Former Delta Automotive Site

Sheffield, Colbert County, Alabama
ADEM VCP Site #: 461-033-26018

Fact Sheet

A Voluntary Cleanup Program (VCP) Assessment Report has been found to be technically adequate by the Alabama Department of Environmental Management (ADEM) for the Former Delta Automotive Site in Sheffield, Alabama. This fact sheet has been prepared to briefly advise the public of the principal legal and policy issues of the VCP.

I. VCP PROCESS

The VCP provides a mechanism for the implementation of a cleanup program that encourages applicants to voluntarily assess, remediate, and reuse rural and urban areas of actual or perceived contamination. The program does not relieve any "responsible person" of liability for administrative, civil, or criminal fines or penalties authorized by law and imposed due to illegal or unpermitted disposal of solid waste, hazardous waste, hazardous constituents, hazardous substances, petroleum products, and/or pollutants to the land, air, or waters of the State on an identified property.

The program is designed to expedite the voluntary cleanup process and allows entry at any stage of the cleanup process, provided all applicable criteria have been met up to that point.

II. PROCEDURES FOR REACHING A FINAL DECISION

ADEM is proposing to issue an approval of the Assessment Report for the Former Delta Automotive Site.

ADEM Admin Code R. 335-15-6-.02 requires a 30-day public comment period from the date of notice. The comment period will begin on July 21, 2026, which is the date of publication of the public notice in local newspaper(s) of general circulation, and will end on August 20, 2026.

All persons wishing to comment on the proposed VCP Remediation should submit their comments in writing to: ADEM, Permits and Services Division 1400 Coliseum Blvd. (Zip 36110) P.O. Box 301463 (Zip 36130-1463) Montgomery, Alabama, ATTENTION: Mr. Russell Kelly. Written or contact the Permits & Services Division via telephone (334-271-7714), e-mail (permitsmail@adem.alabama.gov) comments must be received by August 20, 2026.

ADEM will consider all timely written comments before making a final decision. Once a decision is reached, ADEM will notify the applicant and all individuals who submitted comments or requested notification.

III. FACILITY DESIGN

Bullock Environmental, LLC. has completed site investigation activities under the VCP at the Former Delta Automotive Site, located at 103 South Atlanta Avenue, Sheffield, Colbert County, Alabama. The property is a former rebuilding of automotive transmissions and axles and packing operations site and is currently occupied by an office, warehouse and distribution center for silk flowers.

Bullock Environmental, LLC proposes to implement, an environmental covenant will be established too:

- Restrict the use of the property for commercial or industrial purposes only
- Prohibit the use of on-site groundwater
- The Waste Containment Unit (WCU) (representing the remedy approved by ADEM) will be maintained to ensure continued protection of future occupants.

IV. TECHNICAL CONTACT

Crystal L. Collins, Chief
Redevelopment Unit
Industrial Hazardous Waste Branch
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Alabama Department of Environmental Management
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May 4, 2026

Ms. Crystal Collins
Chief, Redevelopment Unit
Land Division
Alabama Department of Environmental Management
P.O. Box 301463
Montgomery, Alabama 36130-1463

Subject: **Voluntary Property Assessment Report**
Former Delta Automotive Facility
103 South Atlanta Avenue
Sheffield, Colbert County, Alabama
Bullock Environmental, LLC Project #: 26-GAUT01

Dear Ms. Collins,

On behalf of Gautney Properties, LLC, a non-responsible party Applicant, Bullock Environmental, LLC (Bullock) submits the attached Voluntary Property Assessment Report for the above-referenced Site.

The enclosed Voluntary Property Assessment Report details the activities completed to date and provides analytical results from the soil and groundwater assessment work conducted at the Site and demonstrates that the chemicals of concern detected in onsite soil and groundwater do not pose a viable exposure risk to current or future occupants. As such, the recommendations set forth herein include the use of an environmental covenant as an appropriate remedy to achieve closure through the Alabama Voluntary Cleanup Program. The proposed environmental covenant would prohibit use of onsite groundwater for potable or irrigation purposes, limit the future use of the Site to commercial operations (i.e., prohibit the future use of the Site for residential purposes, including, but not limited to, schools, dwellings, homes, hospitals, child-care centers, nursing homes, playgrounds, recreation centers, or other areas/structures with sensitive human activity), and continued maintenance of the concrete cap functioning as the existing building slab.

If you have any questions or comments regarding the attached Voluntary Property Assessment Report, please contact us at your convenience using the sources provided above. Alternatively, you may reach us via email at doug.bullock@bullockenvironmental.com.

Sincerely,
BULLOCK ENVIRONMENTAL, LLC

Douglas A. Bullock
Principal

bullock environmental, llc 4924 5th avenue south, birmingham, alabama 35222t 205.876.1715 f 205.443.9413

Voluntary Property Assessment Report
Former Delta Automotive Facility
103 South Atlanta Avenue
Sheffield, Colbert County, Alabama
Bullock Environmental, LLC Project #: 26-GAUT01

Prepared on behalf of:

Gautney Properties, LLC
6096 Highway 49 South
Sheffield, Alabama 36266

May 4, 2026

BULLOCK ENVIRONMENTAL, LLC
4924 5th Avenue South
Birmingham, Alabama 35222

Alison Dunagan
Senior Environmental Manager
May 4, 2026

Douglas A. Bullock
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May 4, 2026

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Senior Geologist
May 4, 2026

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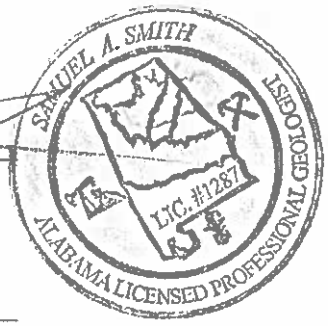
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CERTIFICATION PAGE

I certify under penalty of law that this document and all plans, specifications, and technical data submitted were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiring of the person or persons who directly gathered the enclosed information, the information submitted, to the best of my knowledge and belief, is true, accurate, and complete. I am aware that there are significant penalties for submitting false information.



Signed

Mr. Samuel Smith
Printed

AL-P.G. # 1287
Registration Number

May 4, 2026
Date

1.0 INTRODUCTION

1.1 SITE DESCRIPTION

The Site, located at 103 South Atlanta Avenue in Sheffield, Colbert County, Alabama, comprises approximately 14 acres of light industrial land occupied by the former Delta Automotive facility.

The Site is identified on the United States Geological Survey (USGS) 7.5-minute Topographic Quadrangle *Florence, Alabama, dated 2011* (included as **Figure 1**), and is located at north latitude 34° 45' 26.38'' and west longitude 87° 41' 40.58''.

A Site Plan illustrating the onsite improvements is included as **Figure 2**. Properties surrounding the Site include residential development to the south, commercial and vacant property to the west, East 21st Street (followed by railroad right-of-way) to the north, and commercial development to the east. An area land use map is included as **Figure 3**.

1.2 SITE HISTORY AND PURPOSE

Considering the information obtained during the investigations completed to date, Bullock learned that portions of the Site were residential between at least 1921 and 1928.

A warehouse, storefront building, tool house, and an outbuilding/stable were present on the northern and eastern portions in at least 1921 when the property was occupied by Nitrate Coal and Grain Co. Between 1921 and 1928, the tool house and outbuilding were demolished.

Lumber companies occupied the northern and eastern portions of the property between at least 1928 and 1968, where operations consisted of planing, woodworking, retail, and lumber storage. Several buildings associated with the lumber operations were constructed on the northern and eastern portions between 1921 and 1962. The northwestern portion of the current warehouse building was constructed in 1955 as part of these operations.

Between 1963 and 1987, all of the buildings, except the northwestern portion of the current warehouse and a building materials warehouse, were demolished. An addition was constructed on the south and western face of the current warehouse building, and two warehouse buildings were constructed on the south and central portions between 1963 and 1987. In 1997/1998, the southwestern warehouse was demolished, and several additions were constructed to the buildings to connect the remaining buildings and complete the current building layout. According to a previous report, the buildings were occupied by a retail automotive parts store in 1970. The buildings were then occupied by Delta Automotive where operations consisted of the rebuilding of automotive transmissions and axles between 1971 and 1997. By 1998, only packaging operations took place on the property for Delta Automotive which continued until 2004. The building is currently occupied by an office, warehouse, and distribution center for silk flowers.

The purpose of this Voluntary Property Assessment Report is to document investigations conducted to date, which demonstrate adequate lateral and vertical assessment of chemicals of concern (COCs) in onsite soil and groundwater. As documented in subsequent sections of this report, COCs identified in onsite groundwater comprised 1,2-Dichloroethane (DCA), 1,1-Dichloroethylene (DCE), 1,1,1-Trichloroethane (TCA), Trichloroethylene (TCE) in one onsite monitoring well (MW-5) and lead in two monitoring wells [MW-9 and MW-11, both detections related to sample turbidity at concentrations exceeding their applicable Maximum Contaminant Levels (MCLs)]. In light of the assessment activities completed to date, the purpose of this Voluntary Property Assessment Report is to demonstrate that the

COC concentrations detected in onsite groundwater pose no viable exposure risk to current or future occupants.

Bullock Environmental, LLC (Bullock) prepared this document on behalf of Gautney Properties, LLC to achieve the following objectives:

1. Demonstrate adequate assessment of COCs in soil and groundwater on the Site to develop an appropriate remedial plan;
2. Evaluate onsite vapor intrusion risks (if any) on the Site;
3. Present the rationale for the use of an environmental covenant as appropriate remedy to protect human health and the environment;
4. Obtain Alabama Department of Environmental Management (ADEM) approval of this Voluntary Property Assessment Report; and
5. Following ADEM's approval of the Voluntary Property Assessment Report, establish appropriate institutional controls (through an environmental covenant) to mitigate potential exposure to COCs (if any) potentially remaining in onsite groundwater.

The following sections present the required elements of a Voluntary Property Assessment Report (as outlined in ADEM Administrative Code 335-15-4-.03) and detail the basis for recommending certain use *"restrictions such as land use controls, if appropriate to, satisfy the cleanup requirements for the qualifying property* (ADEM Administrative Code 335-4-.04(1))."

2.0 SUMMARY OF PREVIOUS ASSESSMENTS

Site investigations completed to date included the following:

- **Contamination Assessment (1990):** Site assessment activities in the 1990 Contamination Assessment were reportedly initiated due to documented surface sampling in 1989, which resulted in evidence of subsurface contamination. At the time of the site assessment, the subject property was occupied by Delta Automotive and utilized for automotive parts remanufacturing. Four structures were present on the property, which consisted from north to south of: an office and warehouse, two storage buildings, and the plant operations. 14 soil borings were advanced on the property, with 44 soil samples collected. No groundwater was encountered during these activities. Select samples were analyzed for volatile organic compounds (VOCs). Contamination was only reported as total VOCs in the available reports (i.e., specific compounds were not listed). Two main areas of subsurface contamination were identified, reportedly in an area that was used for parts disassembly and one adjacent to the plant operations.
- **Groundwater Investigation (1991):** The June 1991 Groundwater Investigation was completed the further assess the contamination. Four temporary monitoring wells and four permanent monitoring wells were installed, and one soil sample was collected from the soil/groundwater interface in each well and analyzed for VOCs. Groundwater samples were collected from the permanent monitoring wells and were analyzed for VOCs. TCE, xylene, 1,1,1-TCA, and chloroform were documented in the soil samples. TCE, 1,1,1-TCA, 1,1-DCE, 1,1-DCA, and 1,2-DCA were identified in the groundwater samples above MCLs.
- **Groundwater Quality Assessment (1992):** In 1992, an additional groundwater investigation was completed including installation of additional monitoring wells and evaluation of the shallow aquifer on the property. One deep well was also installed for a second, deeper aquifer that is below the site and confined from the upper shallow aquifer by a clay layer over 20 feet in thickness. The 1992 report also documented a groundwater flow direction to the north with slight slope to the west. In 1992, a consent order was issued to Delta Automotive, Inc. to remove hazardous waste from the property, cap the soil

on the property, and conduct groundwater sampling. Subsequently drums of hazardous wastes were removed from the property and contaminated soil documented on the property was capped in a Waste Containment Unit (WCU) in 1997/1998. Approximately 954 cubic yards of contaminated soil was capped and closed in place. The cap consists of the application of limestone, a Miraclay liner, an eight-millimeter vapor barrier, and a concrete floor. In October 1998, ADEM accepted the landfill certification closure for the capped area. The documentation for the WCU included in the 1998 report documented one of the storage buildings in the central portion of the property has been demolished. Based on aerial photographs, it appears that the entire structure was configured to the current layout in 1997 during construction of the WCU. Between 1992 and 1999, several groundwater sampling events took place. By 1999 none of the analyzed constituents were documented above the MCLs. Barium was identified in the groundwater above background levels, but below the MCLs.

- **RCRA Facility Assessment (2000):** The 2000 RCRA Facility Assessment was completed as requested for ADEM to identify potential releases or releases from solid waste management units (SWMUs) and area of concerns (AOCs) that may require corrective action. 19 SWMUs and three AOCs were identified by Tetra Tech. These areas were all associated with the former hazardous waste storage areas, drum storage, painting/parts washing/rebuilding operations, dumpster areas, and sanitary sewer connection. It was recommended that further assessment be completed for SWMUs 9 and 12; the remaining SWMUs and AOCs were recommended no further action (NFA) by Tetra Tech. SWMU 9 is associated with a release of spent petroleum, naptha, and methyl ethyl ketone (MEK) that took place on the property in the late 1970s when a forklift punctured a drum. SWMU 12 is associated with a release of spent mineral spirits on that bare ground that occurred at the property in 1989 and was identified during an ADEM inspection at the property. According to Tetra Tech the soil contamination has been adequately assessed. It should be noted that SWMU 9 is identified as the WCU on the property.
- **Confirmatory Sampling Report (2002):** The 2001 Confirmatory Sampling was completed to collect eight soil samples from beneath the SWMU 12 (former spent mineral spirits drum storage) associated with the Post Closure Permit issued to the property. The soil samples were analyzed for VOCs and metals and the detected concentrations did not exceed the respective EPA soil screening levels (SSLs).
- **Semi-Annual Groundwater Monitoring Report (2001):** Two monitoring events were completed in 2001 (March and August). As indicated in **Table 2** (attached), 1,1-DCE and 1,2-DCA were the only constituents detected in onsite groundwater (in monitoring well MW-5 only) at concentrations exceeding their applicable MCLs.
- **Additional Soil Investigation (2004):** In 2003, four soil samples were collected from north, east, south, and just west of the subject property and were analyzed for arsenic as requested by ADEM to establish background levels. The soil samples did not exceed the EPA Preliminary Remediation Goals (PRGs) for residential soil. It was determined that the arsenic levels at and around the subject property are at background or naturally occurring levels. In 2007, ADEM granted NFA for confirmatory sampling at SWMU 12.
- **Pre-CERCLIS Screening Assessment (2009):** Review of the Pre-CERCLIS Screening Assessment was completed to determine if Delta Automotive, Inc. needs to be referred to the RCRA program to complete the groundwater monitoring phase required. This report documents that the property was occupied by Whitefield Lumber Company (woodworking) between 1914* and the late 1960s. A lumber dealer occupied the property from the 1960s until the 1970s. Additionally, the property was occupied by a retail automotive parts store in 1970. Between 1971 and 2004, the property was occupied by Delta Automotive. Operations consisted of the rebuilding of automotive transmissions and axles between 1971 and 1997. Between 1998 and 2004, only packaging operations took place on the property for Delta Automotive. At the time of the assessment the building had been vacant since 2008. Groundwater around the capped area has not been monitored for several years. ADEM recommended that Delta

Automotive, Inc. be referred to the RCRA program, no further action is planned regarding the CERCLA program.

- **Phase I Environmental Site Assessment (2020):** PM Environmental, Inc. completed a Phase I ESA on the Site (report dated March 17, 2020), which identified the following recognized environmental conditions in connection with previous Site operations:
    - *"The subject property was occupied by Delta Automotive and utilized for automotive parts refurbishing from 1971 to 1997. Operations included the use of hazardous substances and/or petroleum products. In 1997/1998 a WCU was constructed and completed on the property. This WCU contains contaminated soil generated from excavations on the property, attributed to the former Delta Automotive operations. The WCU was granted closure by the ADEM in 1998. As part of the closure, continued groundwater monitoring of the unit was required. Documentation up to 2020 documents continued groundwater contamination on the subject property. Additionally, soil contamination likely remains within the WCU.*"
    - A controlled recognized environmental condition was also identified as a result of the continuing obligations associated with the closure of the onsite WCU. Those obligations included "monthly inspections of the WCU, semi-annual measuring of groundwater elevations and sampling of on-site monitoring wells. Based on the closed status of the WCU, engineering and institutional controls, and the documented site assessment activities which were adequate to assess the contamination on site."
    -
- **Phase II Environmental Site Assessment (2020):** Prior to completing the Phase I ESA, PM Environmental, Inc. completed a Phase II ESA on the Site in December 2019 (report dated January 20, 2020). The Phase II ESA included the collection of groundwater samples from each onsite monitoring well (MW-5, MW-7, and MW-9 through MW-15) for analysis of VOCs, phenols, and RCRA Metals (with the addition of aluminum and zinc). Review of the results obtained from this investigation (also presented in **Table 2**) reveals 1,1-DCE and 1,2-DCA were the only constituents detected in onsite groundwater (in monitoring well MW-5 only) at concentrations exceeding their applicable MCLs.

Groundwater analytical results obtained from previous investigations are included in **Table 2**. **Appendix A** includes copies of the investigation reports summarized above. ***Notably, as documented in Section 5.0, cumulative, onsite vapor intrusion risks (using the maximum concentrations of 1,1-DCE and 1,2-DCA detected in onsite groundwater) were confirmed to be below ADEM's established thresholds.***

3.0 SCOPE OF WORK AND REPORT ORGANIZATION

3.1 SCOPE OF WORK

In accordance with ADEM Administrative Code 335-15-4-.03 and 335-15-4-04, this Voluntary Property Assessment Report includes the following:

335-15-4-.03 (2) (Voluntary Property Assessment Plan/Report Content)

A Voluntary Property Assessment Plan (and Report) *submitted by an applicant shall describe in sufficient detail those actions planned to develop the information necessary to perform a risk assessment or identify applicable cleanup standards for the qualifying property utilizing requirements found in the Alabama Risk-based Corrective Action Guidance (ARBCA) Manual or other appropriate risk-based corrective action principles through the appropriate implementation of applicable response actions or land use controls. The* (Report) *should describe the methods to be used to determine the type(s) and the amount(s) of any contamination including the delineation of all soil and groundwater contamination discovered or*

known to exist within the qualifying property boundaries or portions thereof. Information submitted in the Voluntary Property Assessment (Report) *shall be submitted in a format consistent with the Alabama Environmental Investigation and Remediation Guidance (AEIRG).*

3.2 REPORT ORGANIZATION

Section 4.0 summarizes the Site characterization information and includes the general geology, hydrogeology, and lithology of the Site area while providing Site-specific information regarding COCs detected in onsite soil and groundwater. Section 5.0 describes the potential exposure mechanisms potentially affecting current and future occupants as a result of the COCs detected in onsite groundwater and demonstrates no viable exposure risks to be present. Section 6.0 presents conclusions and recommendations while Section 7.0 lists the reference sources cited throughout this Voluntary Property Assessment Report.

4.0 SITE CHARACTERIZATION AND FIELD INVESTIGATION RESULTS

4.1 SURROUNDING POPULATION

Properties surrounding the Site include residential development to the south, commercial and vacant property to the west, East 21st Street (followed by railroad right-of-way) to the north, and commercial development to the east (see **Figure 3**).

4.2 SURROUNDING WATER WELL INVENTORY

A search of public and private water wells within one mile of the Site revealed one water well to be present (**Figure 4**) within a one-mile radius of the Site. Details regarding this water well are summarized below with well construction and installation dates for each well included in **Appendix B**.

- **Well AL00000309 (Hunting Creek Club Well)** is located approximately 3200 feet north of the Site. No additional information was available regarding the length of use or date of abandonment.

Public water is supplied to the Site by the City of Sheffield Utilities Department which obtains its water from the Tennessee River (see Water System Details Report included in **Appendix B**).

4.3GEOLOGY AND HYDROGEOLOGY

According to the Geological Survey of Alabama's (GSA) *Geologic Map of Alabama, Special Map 220*, dated 1988, the Site is underlain by the Mississippian-aged Tuscumbia Limestone. This formation consists of light-to-dark gray, bioclastic grainstone, wackestone, and mudstone with an average thickness of approximately 20 to 150 feet.

Site topography, which has been altered by development, is generally level with a gentle slope to the south. Stormwater is directed away from the Site via surface flow, infiltration, drainage channels, and curb and gutter. Various factors can affect groundwater flow direction. In general, for unconfined aquifers, the direction of shallow groundwater movement mirrors surface topography and generally flows from hilltops and uplands (recharge areas) to stream valleys (discharge areas). Based on the interpretation of the *Florence, Alabama* topographic quadrangle, shallow groundwater beneath the Site is inferred to generally flow to the west-northwest. Groundwater elevations measured in April 2026 (**Table 1**) support this finding with shallow groundwater depths ranging from 15.12 feet below top of casing (btoc) in

monitoring well MW-7 to 51.73 feet btoc in monitoring well MW-15. A potentiometric surface map is included as **Figure 5**.

4.4 SITE SOILS

According to the United States Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS) Web Soil Survey, a majority of the Site is underlain by Urban Land. Urban land areas are covered by commercial, industrial, or high-density residential facilities. These areas have been altered to achieve large areas that are nearly level, to avoid flooding or wetness problems, or to increase load supporting capacity. The original soil was altered by cutting and filling, shaping and grading, excavating, blasting, compacting, or covering with concrete or asphalt.

4.5 UNDERGROUND UTILITY SURVEY

Known underground utilities at the Site include water,, storm sewer, gas, and sanitary sewer. Bullock personnel observed no evidence that underground utilities are functioning as conduits for potential contaminant transfer. Bullock personnel estimated the depths of onsite, subsurface utility lines to range from one foot to five feet BLS.

4.6 RELEASE CHARACTERIZATION AND DISTRIBUTION OF COCS

Site investigations completed to date revealed the following COCs to be present above applicable screening levels or MCLs or established by EPA.

4.6.1 Chemicals of Concern

The primary COCs considered in this Voluntary Property Assessment Report include 1,1-DCE and 1,2-DCA in groundwater, which were the only two compounds detected above their respective MCLs. However, as indicated below, lead was also detected in onsite groundwater at concentrations exceeding its MCL. While this is notable, these detections appear related to overall sample turbidity during collection and not dissolved-phase metals in the underlying groundwater. Moreover, there is no complete pathway for potential exposure to these compounds in groundwater (noting the absence of detections above applicable screening levels in soil).

4.6.2 Distribution of COCs

Surficial Soil: Site investigations revealed no COCs to be present in surficial soil at concentrations exceeding applicable EPA RSLs.

Subsurface Soil: Analytical data for the soil samples collected to date revealed detectable concentrations of TCE, xylene, 1,1,1-TCA, and chloroform to be present in subsurface soil; however, none were detected at concentrations exceeding their respective EPA RSLs.

Groundwater: The analytical results obtained from the groundwater samples collected to date reveal the following:

1. **1,1-DCE:** Monitoring well MW-5 has contained 1,1-DCE at concentrations exceeding its MCL of 0.007 mg/L with concentrations ranging from 0.0399 mg/L (09/17/1999) to 0.0641 mg/L (04/23/2026);
2. **1,2-DCA:** Monitoring well MW-5 has contained 1,2-DCA at concentrations exceeding its MCL of 0.005 mg/L with concentrations ranging from 0.00636 mg/L (12/31/2019) to 0.039 mg/L (03/14/2001);

3. **TCE:** On September 17, 1999, monitoring well MW-5 contained TCE at a concentration of 0.0059 mg/L, exceeding its MCL of 0.005 mg/L (detected above laboratory reporting limits during three additional sampling events but levels were below the MCL); and
4. **Lead:** Monitoring wells MW-9 and MW-11 contained lead at concentrations of 0.0598 mg/L (12/31/2019) and 0.016 mg/L (March 16, 1999), exceeding the MCL of 0.015 mg/L.

While 1,1,1-TCA was detected in monitoring well MW-5 at concentrations exceeding laboratory reporting limits (in four groundwater monitoring events), the detections were below the EPA-established MCL of 0.2 mg/L. Likewise, phenol, aluminum, barium, cadmium, chromium, silver, and zinc were also detected in onsite groundwater at concentrations exceeding laboratory reporting limits; however none of these compounds were present above applicable MCLs or tap water RSLs. As such, these compounds were not considered applicable COCs and have been excluded from further consideration.

COCs in groundwater are summarized in **Table 2** and illustrated on **Figure 6**. Copies of the laboratory analytical reports for the groundwater samples collected during the April 23, 2026, monitoring event are included in **Appendix C**.

5.0 EVALUATION OF VAPOR INTRUSION RISKS

With the analytical results obtained from the most recent assessment activities (April 2026), Bullock evaluated the potential vapor intrusion risks based on the continued commercial or industrial use of the Site.

COCs were present in groundwater at concentrations exceeding applicable drinking water standards or tap water screening levels established by EPA. However, as Gautney Properties, LLC intends to continue its use of water supplied by the City of Sheffield Utilities Department (to be codified in an environmental covenant described further in Section 6.0), there is no viable exposure risk for consumption of groundwater. However, in light of the concentrations of 1,1-DCE and 1,2-DCA in detected above applicable screening levels/MCLs in MW-5 (within the enclosed warehouse, Bullock evaluated potential risks related to vapor intrusion resulting from these compounds.

5.1 VISL CALCULATOR OUTPUT

In an effort to most conservatively evaluate this pathway, Bullock entered the maximum detected concentration of 1,1,-DCE (0.064 mg/L) and 1,2-DCA (0.039 mg/L) detected in onsite groundwater (since monitoring activities commenced in 1999) into EPA's Vapor Intrusion Screening Level (VISL) calculator. This model assumes the most conservative exposure scenarios published by EPA which are not likely indicative of actual building conditions. Likewise, Bullock utilized an Estimated Increased Lifetime Cancer Risk (EILCR) of 1X 10^{-6} and non-cancer risk Hazard Quotient (HQ) of 0.1. As summarized below and further detailed in **Appendix D**, the output from the VISL Calculator indicated the potential vapor intrusion risk associated with the maximum concentrations of 1,1,-DCE and 1,2-DCA in onsite groundwater as follows:

COC (max concentration):	**EILCR:**	**Non-Cancer Risk (HQ):**
1,2-DCA (0.039 mg/L) :	3.99 E^{-6}	0.0614
1,1-DCE (0.064 mg/L):	No Risk	3.94
Total:	**3.99 E^{-6}**	**4.0**
Target Value	**1.0 E^{-6}**	**0.1**

As summarized above (and detailed further in **Appendix D**), the output from the VISL Calculator reported a potential vapor intrusion risk associated with the maximum concentrations of 1,1,-DCE and 1,2-DCA in onsite groundwater.

5.2 SITE-SPECIFIC VAPOR RISK (JOHNSON & ETTINGER MODEL OUTPUT)

In response to the output from the generic VISL Calculator output, Bullock employed the analytical solutions of the Johnson & Ettinger (J&E) Model for contaminant partitioning and subsurface vapor transport into buildings to account for more site-specific variables (e.g., depth to groundwater, underlying soil type, building area, and ceiling height within the structure). Because of concerns that subsurface contamination in either soil or groundwater can adversely impact indoor air quality, in 1998, EPA developed a series of models for estimating indoor air concentrations and associated health risks from subsurface vapor intrusion into buildings, which incorporate site-specific parameters to better evaluate vapor intrusion risks. Using this methodology, Bullock modified the EPA default values for each parameter as follows:

Input Parameter	EPA VISL Default	Site-Specific Parameter
Depth to Groundwater:	10 meters	15 meters
Underlying Soil Type (clay):	Coarse Sand	Clay
Building Area:	1,500 square meters	5,805 square meters
Ceiling Height:	3 meters	4 meters

Incorporation of these Site-specific variables into the J&E model accounted for the increased distance of travel of vapor from the underlying groundwater through a less transmissive media (clay versus sand) into a significantly larger enclosed building space with a higher ceiling (resulting in an approximately 5.1X increase in total enclosed air space within the enclosed structure). Use of these Site-specific variables resulted in the following predicted vapor intrusion risk (using the maximum concentrations of each compound):

COC (max concentration):	**EILCR:**	**Non-Cancer Risk (HQ):**
1,2-DCA (0.039 mg/L) :	2.31 E^{-9}	3.55 E^{-5}
1,1-DCE (0.064 mg/L):	No Risk	9.61 E^{-6}
Total:	**2.31 E^{-9}**	**4.51 E^{-5}**
Target Value	**1.0 E^{-6}**	**0.1**

As illustrated above (and detailed in Appendix D), use of the Site-specific depth to groundwater, underlying soil type, building area, and ceiling height resulted in the conclusion that no viable vapor intrusion risk is present onsite as a result of the maximum concentrations of each COC detected in groundwater.

6.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the information presented in this Voluntary Property Assessment Report, investigations completed to date indicate two COCs to be present in onsite groundwater at concentrations exceeding applicable MCLs. The COCs in groundwater appear to be the result of former automobile repair operations conducted on the Site. Moreover, the COCs are limited to a localized area beneath the

structure (overlain by an ADEM-approved WCU consisting of limestone, a Miraclay liner, an eight-millimeter vapor barrier, and a concrete floor) and are contained within the Site boundary.

While the COCs noted in onsite groundwater are present at concentrations exceeding applicable drinking water standards or tap water screening values, the Site does not use onsite groundwater for potable purposes and the detected COCs appear limited to the central section of the Site with no evidence of migration to the south (see COC concentrations in all other onsite monitoring wells). Finally, the viable exposure risks associated with the COCs in groundwater are limited to indoor and outdoor inhalation of vapors from subsurface sources; however, as illustrated in Section 5.0, the maximum concentrations measured in onsite groundwater do not represent a viable risk to current or future occupants of the Site.

With these conclusions, further investigation does not appear warranted on the Site. As such, Gautney Properties, LLC will submit a draft environmental covenant for review and approval by ADEM. The environmental covenant will include the following land use restrictions (which would be incorporated onto the deed):

1. The use of groundwater for potable or irrigation purposes from or on the Site is prohibited;
2. Use of the Site shall be limited to commercial/industrial activities (i.e., residential housing, schools, daycares, hospitals, etc. shall be prohibited); and
3. The WCU (representing the remedy approved by ADEM) will be maintained to ensure continued protection of future occupants.

Following ADEM's approval of the draft environmental covenant, the approved Voluntary Property Assessment Report and draft environmental covenant will be placed on public notice for a period of 30 days before final approval of the conclusions and recommendations set forth herein.

Upon execution of the environmental covenant by ADEM and Gautney Properties, LLC, Bullock will deliver a *Certification of Compliance* to ADEM on behalf of Gautney Properties, LLC and request a *Letter of Concurrence* to formalize the conclusion of the Alabama VCP process.

7.0 REFERENCE MATERIALS

Bullock referenced the following sources during the preparation of this report.

1. USGS 7.5-minute Topographic Quadrangle *Florence, Alabama, dated 2011*.
2. Phase I Environmental Site Assessment, PM Environmental, dated March 17, 2020.
3. Phase II Environmental Site Assessment, PM Consultants, dated January 31, 2020.
4. Historical Assessment and Regulatory Documents (1999 to 2009).
5. GSA *Geologic Map of Alabama, Special Map 220*, dated 1988.
6. Soil Survey Staff, NRCS, USDA. Web Soil Survey. Available online at http://websoilsurvey.nrcs.usda.gov.
7. AEIRG (revised February 2017).
8. EPA Regional Screening Levels (November 2024).
9. Laboratory analytical reports from Sutherland Environmental Environmental Company, Inc.
10. EPA Vapor Intrusion Screening Level Calculator.
11. Analytical Solutions of Johson & Ettinger (1991).

TABLES

Table 1
Summary of Groundwater Elevations
Former Delta Automotive Facility
103 South Atlanta Highway
Sheffield, Colbert County, Alabama
Bullock Environmental, LLC Project #: 26-GAUT01

MW ID	Date	TOC	Total Depth	Screen Interval	DTW	WTE
MW-5	4/23/26	500.41	60.94	40.5-60.5	49.50	450.91
MW-7	4/23/26	501.02	26.05	27-37	15.12	485.90
MW-9	4/23/26	496.81	40.92	31-41	19.82	476.99
MW-10	4/23/26	503.82	78.8	69.3-79.3	50.13	453.69
MW-11	4/23/26	500.42	123.85	115.8-125.8	48.05	452.37
MW-12	4/23/26	496.98	69.98	60-70	48.57	448.41
MW-13	4/23/26	498.27	39.84	20-40	NL	NL
MW-14	4/23/26	499.82	34.81	20-35	NL	NL
MW-15	4/23/26	499.40	141.13	122-142	51.73	447.67

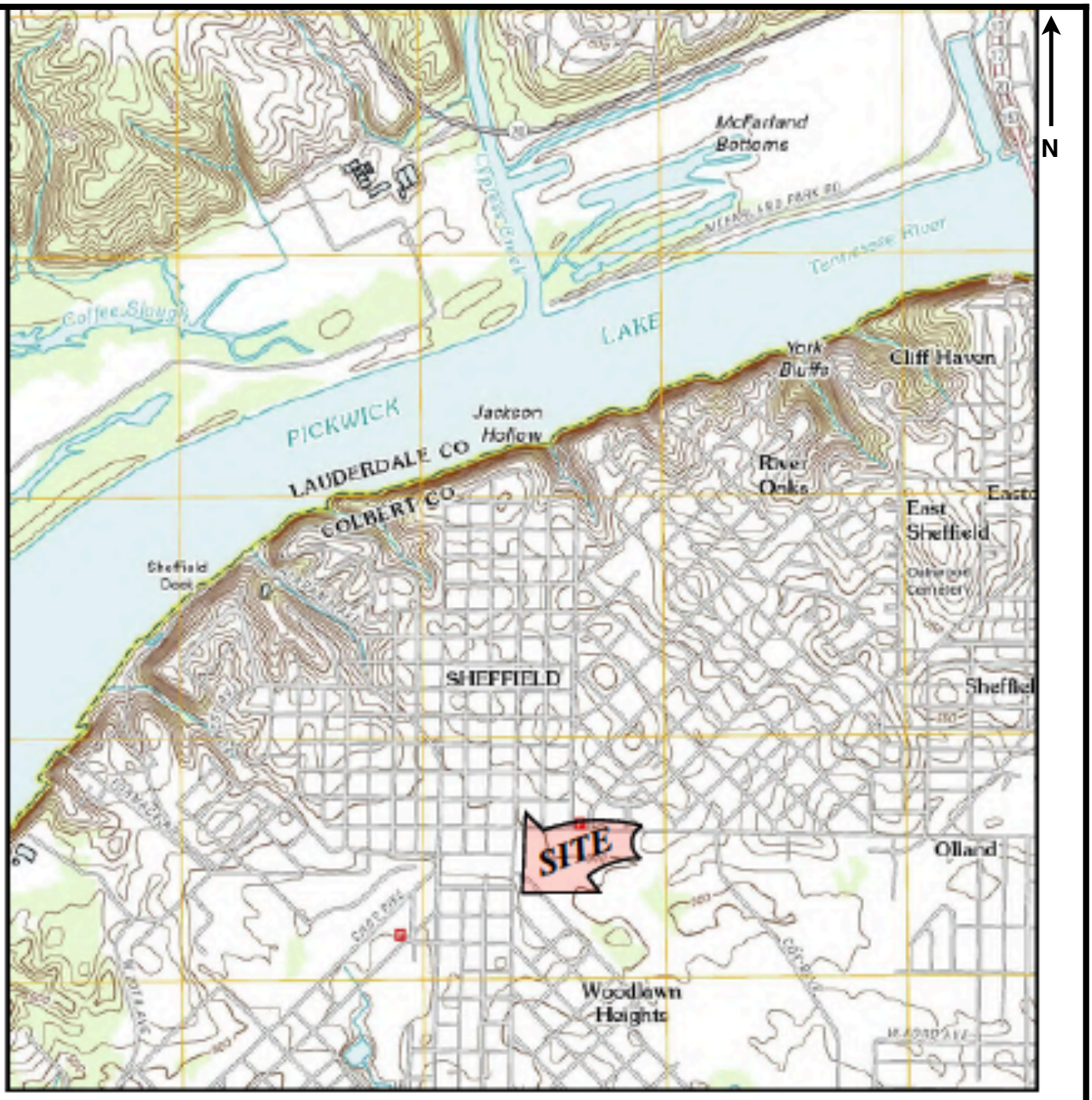
Notes:
MW ID = Monitoring Well Identification
TOC = Top of Casing (feet above mean sea level [ft amsl])
DTW = Depth to Water (feet below top of casing [ft btoc])
WTE = Water Table Elevation (ft amsl)

Table 2
Summary of Groundwater Analytical Results
Former Delta Automotive Facility
103 South Atlanta Highway
Sheffield, Colbert County, Alabama
Bullock Environmental, LLC Project #: 26-GAUT01

Sample ID	Collection Date	VOCs				SVOCs	Metals							
		1,2-DCA	1,1-DCE	1,1,1-TCA	TCE	Phenol	Aluminum	Arsenic	Barium	Cadmium	Chromium	Lead	Silver	Zinc
EPA MCL		*0.005*	*0.007*	*0.20*	*0.005*	*NL*	*2.00*	*0.01*	*2*	*0.01*	*0.1*	*0.015*	*0.0094*	*0.6*
EPA RSL		*0.00017*	*0.0068*	*0.08*	*0.00028*	*0.58*								
MW-5	3/16/1999	**0.0364**	**0.0474**	**0.0052**	**0.0027**	<RL	**0.074**	<RL	**0.026**	<RL	<RL	**0.007**	<RL	**0.039**
	9/17/1999	**0.0237**	**0.0399**	**0.0119**	**0.0059**	<RL	**0.426**	<RL	**0.024**	<RL	<RL	<RL	<RL	**0.035**
	3/14/2001	**0.0390**	**0.051**	**0.0020**	**0.0020**	<RL	**0.392**	<RL	**0.027**	<RL	<RL	<RL	<RL	<RL
	8/29/2001	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/31/2019	**0.00636**	**0.0402**	**0.0020**	**0.0022**	<RL	**1.0**	<RL	**0.03**	<RL	<RL	<RL	<RL	<RL
	4/23/2026	**0.008**	**0.064**	<0.005	<0.005	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-7	3/16/1999	<RL	<RL	<RL	<RL	<RL	**0.169**	<RL	**0.045**	<RL	<RL	<RL	<RL	**0.082**
	9/17/1999	<RL	<RL	<RL	<RL	<RL	**0.338**	<RL	**0.036**	<RL	<RL	<RL	<RL	<RL
	3/14/2001	<RL	<RL	<RL	<RL	<RL	**0.075**	<RL	**0.037**	<RL	<RL	<RL	<RL	<RL
	8/29/2001	<RL	<RL	<RL	<RL	<RL	**0.059**	<RL	**0.039**	<RL	<RL	<RL	<RL	<RL
	12/31/2019	<RL	<RL	<RL	<RL	<RL	<RL	<RL	**0.067**	<RL	<RL	<RL	<RL	<RL
	4/23/2026	<RL	<RL	<RL	<RL	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-9	3/16/1999	<RL	<RL	<RL	<RL	<RL	**0.1**	<RL	**0.021**	<RL	<RL	<RL	<RL	<RL
	9/17/1999	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL
	3/14/2001	<RL	<RL	<RL	<RL	<RL	<RL	<RL	**0.017**	<RL	<RL	<RL	<RL	<RL
	8/29/2001	<RL	<RL	<RL	<RL	<RL	**0.064**	<RL	**0.017**	<RL	<RL	<RL	<RL	<RL
	12/31/2019	<RL	<RL	<RL	<RL	<RL	**32.8**	<RL	**0.206**	<RL	**0.043**	**0.0598**	<RL	**0.194**
	4/23/2026	<RL	<RL	<RL	<RL	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-10*	3/16/1999	<RL	<RL	<RL	<RL	<RL	**0.735**	<RL	**0.024**	<RL	<RL	**0.005**	<RL	**0.097**
	9/17/1999	<RL	<RL	<RL	<RL	<RL	**0.187**	<RL	**0.043**	<RL	<RL	<RL	<RL	<RL
	3/14/2001	<RL	<RL	<RL	<RL	<RL	**0.099**	<RL	**0.016**	<RL	<RL	<RL	<RL	<RL
	8/29/2001	<RL	<RL	<RL	<RL	<RL	**0.612**	<RL	**0.035**	<RL	**0.005**	<RL	<RL	**0.044**
	12/31/2019	<RL	<RL	<RL	<RL	<RL	**7.31**	<RL	**0.068**	<RL	<RL	**0.0058**	<RL	**0.0696**
	4/23/2026	<RL	<RL	<RL	<RL	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-11	3/16/1999	<RL	<RL	<RL	<RL	<RL	<RL	<RL	**0.028**	<RL	<RL	**0.016**	<RL	**0.044**
	9/17/1999	<RL	<RL	<RL	<RL	<RL	**0.202**	<RL	**0.030**	<RL	<RL	<RL	<RL	<RL
	3/14/2001	<RL	<RL	<RL	<RL	<RL	**0.107**	<RL	**0.038**	<RL	<RL	<RL	<RL	**0.026**
	8/29/2001	<RL	<RL	<RL	<RL	<RL	**0.156**	<RL	**0.040**	**0.001**	**0.008**	<RL	<RL	**0.041**
	12/31/2019	<RL	<RL	<RL	<RL	<RL	**0.5**	<RL	**0.03**	<RL	<RL	<RL	<RL	<RL
	4/23/2026	<RL	<RL	<RL	<RL	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-12	3/16/1999	<RL	<RL	<RL	<RL	<RL	**0.345**	<RL	**0.060**	<RL	<RL	<RL	<RL	<RL
	9/17/1999	<RL	<RL	<RL	<RL	<RL	**0.34**	<RL	**0.043**	<RL	**0.006**	**0.01**	<RL	**0.107**
	3/14/2001	<RL	<RL	<RL	<RL	<RL	**1.14**	<RL	**0.042**	<RL	<RL	<RL	<RL	**0.029**
	8/29/2001	<RL	<RL	<RL	<RL	<RL	**0.409**	<RL	**0.051**	<RL	**0.012**	<RL	**0.009**	**0.013**
	12/31/2019	<RL	<RL	<RL	<RL	<RL	**1.83**	<RL	**0.285**	<RL	<RL	**0.0131**	<RL	**0.0573**
	4/23/2026	<RL	<RL	<RL	<RL	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-13	3/16/1999	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/17/1999	<RL	<RL	<RL	<RL	<RL	<RL	<RL	**0.053**	<RL	<RL	<RL	<RL	<RL
	3/14/2001	<RL	<RL	<RL	<RL	<RL	<RL	<RL	**0.055**	<RL	<RL	<RL	<RL	<RL
	8/29/2001	<RL	<RL	<RL	<RL	<RL	**0.108**	<RL	**0.049**	**0.001**	**0.009**	<RL	**0.013**	<RL
	12/31/2019	<RL	<RL	<RL	<RL	<RL	**0.2**	<RL	**0.054**	<RL	<RL	<RL	<RL	<RL
	4/23/2026	NL	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-14	3/16/1999	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/17/1999	<RL	<RL	<RL	<RL	<RL	**0.301**	<RL	**0.073**	<RL	<RL	<RL	<RL	<RL
	3/14/2001	<RL	<RL	<RL	<RL	<RL	**0.127**	<RL	**0.109**	<RL	<RL	<RL	<RL	<RL
	8/29/2001	<RL	<RL	<RL	<RL	<RL	**0.319**	<RL	**0.102**	<RL	**0.007**	<RL	**0.009**	<RL
	12/31/2019	<RL	<RL	<RL	<RL	<RL	**0.3**	<RL	**0.13**	<RL	<RL	<RL	<RL	<RL
	4/23/2026	NL	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-15	3/16/1999	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/17/1999	<RL	<RL	<RL	<RL	<RL	**0.205**	<RL	**0.024**	<RL	<RL	<RL	<RL	<RL
	3/14/2001	<RL	<RL	<RL	<RL	**0.05**	**0.093**	<RL	**0.070**	<RL	<RL	<RL	<RL	**0.027**
	8/29/2001	<RL	<RL	<RL	<RL	<RL	**0.187**	<RL	**0.039**	<RL	<RL	<RL	<RL	**0.033**
	12/31/2019	<RL	<RL	<RL	<RL	<RL	<RL	<RL	**0.034**	<RL	<RL	<RL	<RL	<RL
	4/23/2026	<RL	<RL	<RL	<RL	NS	NS	NS	NS	NS	NS	NS	NS	NS

Notes:
All results in milligrams per liter (mg/L).
Only detected constituents are included in table.
VOCs = Volatile Organic Compounds
SVOCs = Semivolatile Organic Compounds
EPA RSL/MCL = EPA Regional Screening Level/Maximum Contaminant Level (November 2024 THQ= 0.1; RSL used when no MCL available)
<RL=Below Laboratory Reporting limits
NL = None Listed
Bolded Cell = Detected Concentration
Highlighted cells = concentrations exceeding applicable MCLs or Tap Water RSLs
DCE = Dichloroethylene

FIGURES





COLBERT COUNTY

FIGURE 1

PROPERTY VICINITY MAP

UNITED STATES GEOLOGICAL SURVEY, 7.5 MINUTE SERIES

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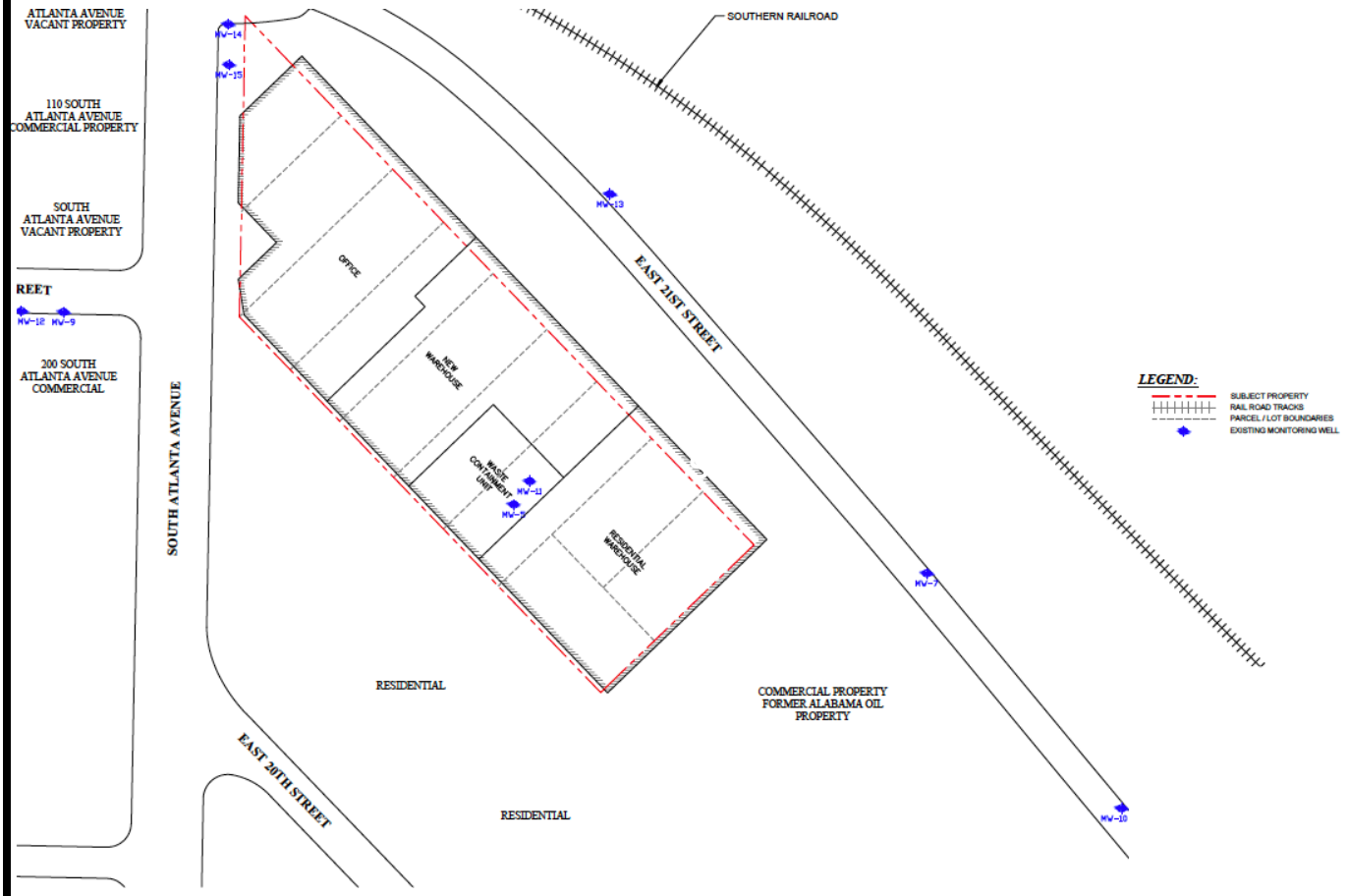
PROJECT

VOLUNTARY PROPERTY ASSESSMENT REPORT
FORMER DELTA AUTOMOTIVE PROPERTY
103 SOUTH ATLANTA AVENUE
SHEFFIELD, COLBERT COUNTY, ALABAMA
BULLOCK ENVIRONMENTAL, LLC PROJECT #: 26-GAUT01

FIGURE 1

SITE LOCATION MAP

USGS 7.5-MINUTE
TOPOGRAPHIC QUADRANGLE
FLORENCE, ALABAMA,
DATED 2011



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PROJECT

VOLUNTARY PROPERTY ASSESSMENT REPORT
FORMER DELTA AUTOMOTIVE PROPERTY
103 SOUTH ATLANTA AVENUE
SHEFFIELD, COLBERT COUNTY, ALABAMA
BULLOCK ENVIRONMENTAL, LLC PROJECT #: 26-GAUT01

FIGURE 2

SITE PLAN

SCALE: 1" =APPROX. 60 FEET



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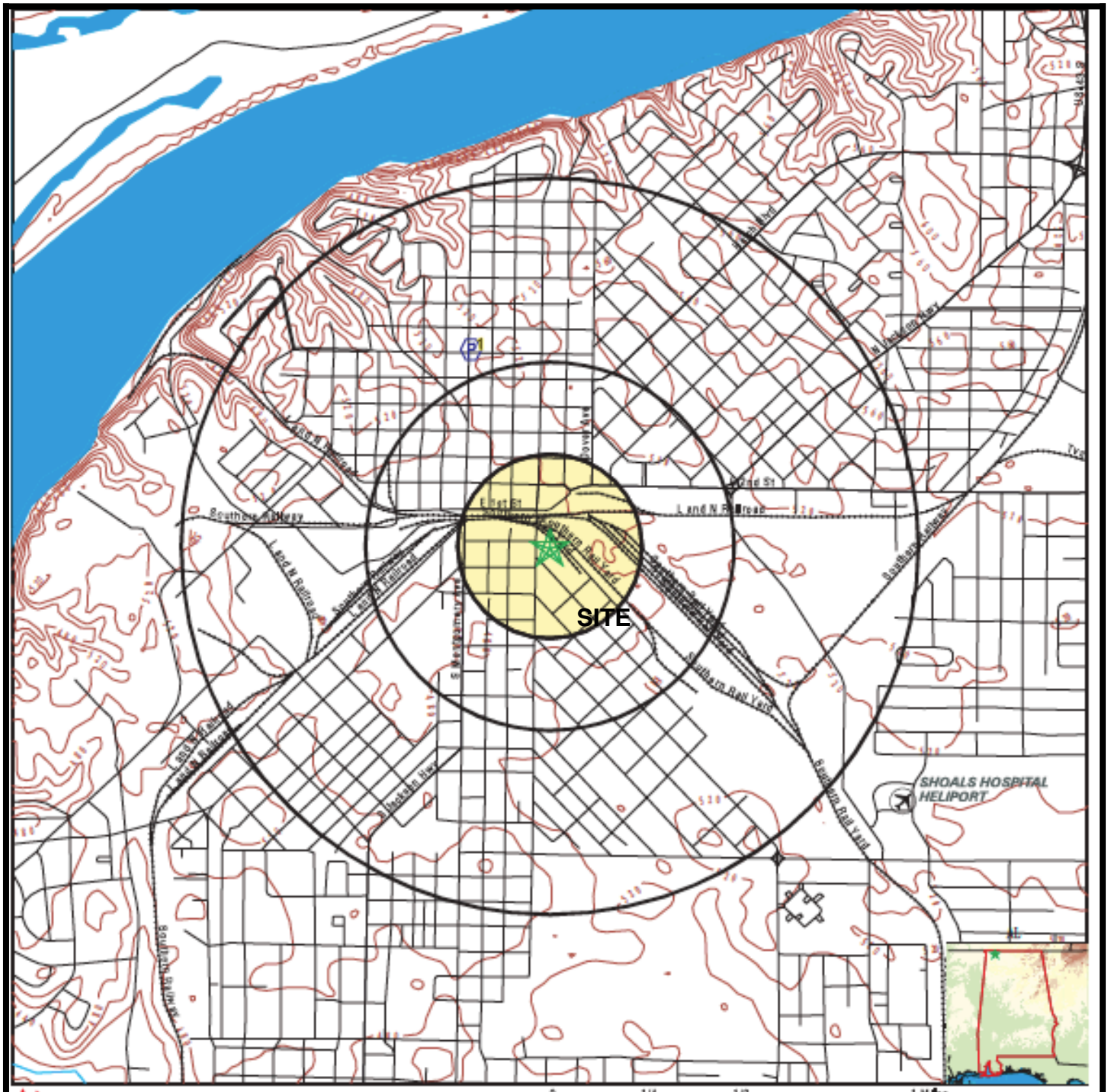
PROJECT

VOLUNTARY PROPERTY ASSESSMENT REPORT
INTEGRITY CABINETS
320 ACE ROAD
LINEVILLE, CLAY COUNTY, ALABAMA
BULLOCK ENVIRONMENTAL, LLC PROJECT #: 26-INTE01

FIGURE 3

AREA LAND USE MAP

SCALE: 1"= APPROX. 250'



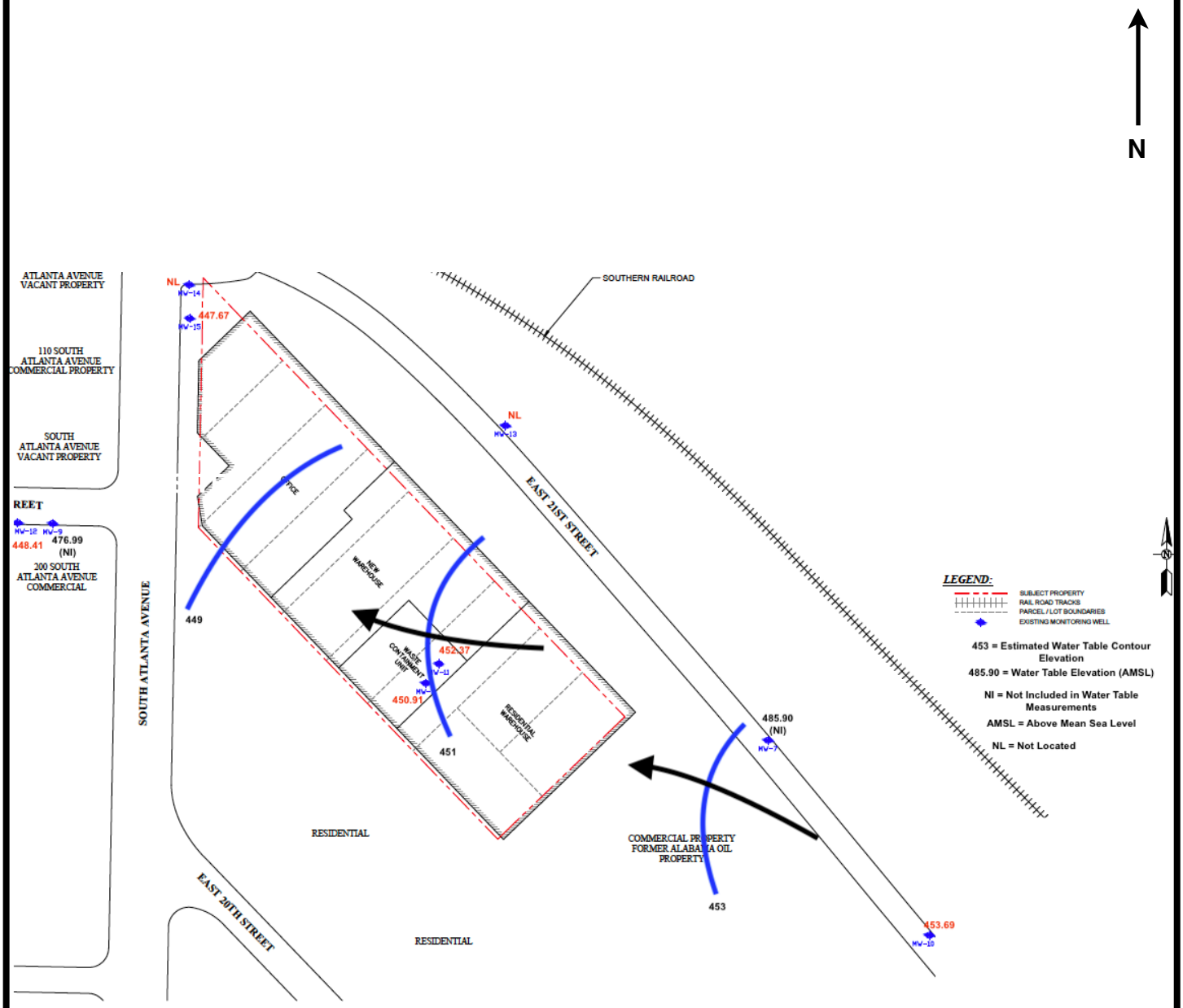
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PROJECT

VOLUNTARY PROPERTY ASSESSMENT REPORT
INTEGRITY CABINETS
320 ACE ROAD
LINEVILLE, CLAY COUNTY, ALABAMA
BULLOCK ENVIRONMENTAL, LLC PROJECT #: 26-INTE01

FIGURE 4

WATER WELL INVENTORY MAP



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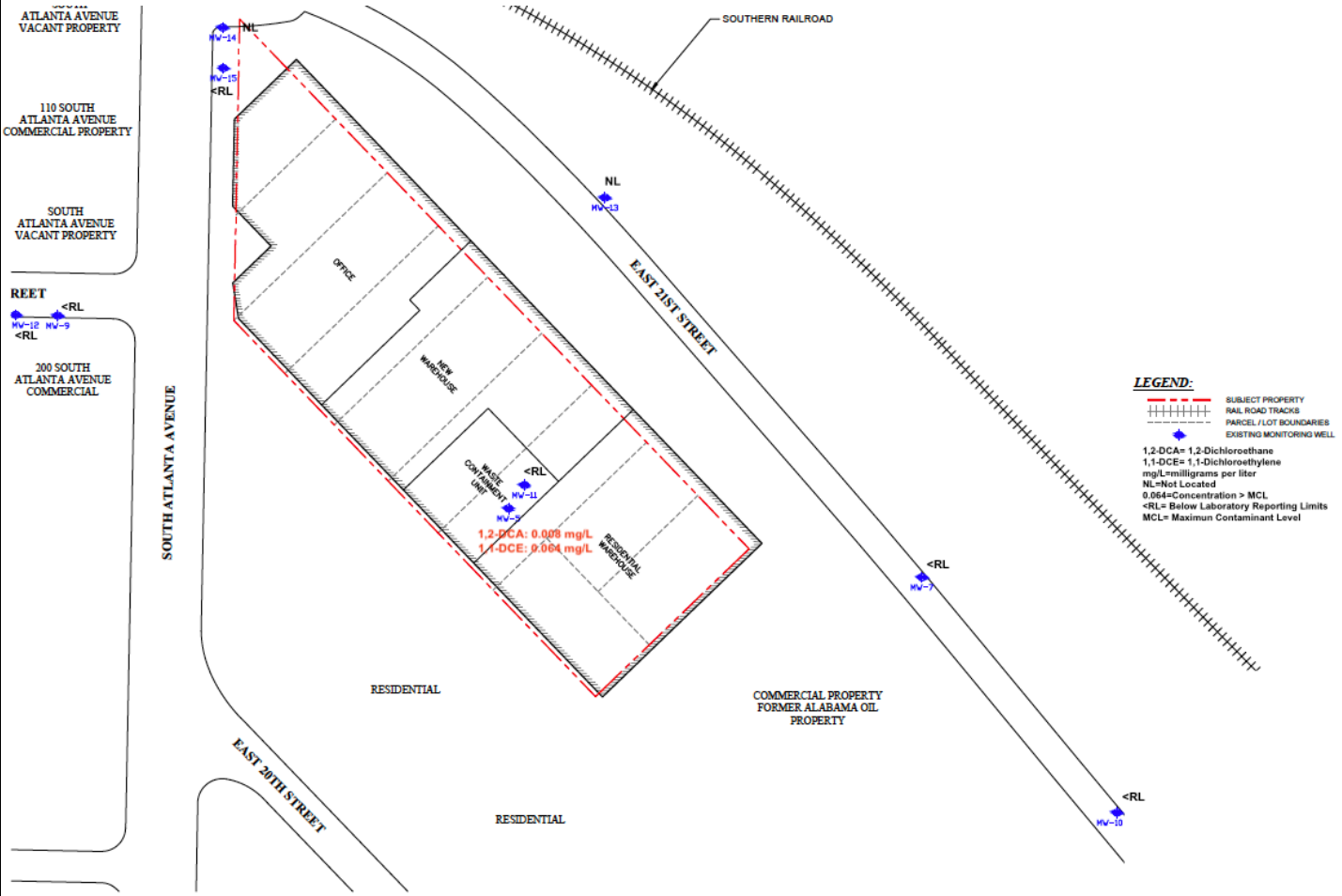
PROJECT

VOLUNTARY PROPERTY ASSESSMENT REPORT
INTEGRITY CABINETS
320 ACE ROAD
LINEVILLE, CLAY COUNTY, ALABAMA
BULLOCK ENVIRONMENTAL, LLC PROJECT #: 26-INTE01

FIGURE 5

POTENTIOMETRIC SURFACE MAP
(04/23/2026)

SCALE: 1" =APPROX. 125 FEET



bullock environmental, llc

PROJECT

VOLUNTARY PROPERTY ASSESSMENT REPORT
FORMER DELTA AUTOMOTIVE PROPERTY
103 SOUTH ATLANTA AVENUE
SHEFFIELD, COLBERT COUNTY, ALABAMA
BULLOCK ENVIRONMENTAL, LLC PROJECT #: 26-GAUT01

FIGURE 6

CHEMICALS OF CONCERN
IN GROUNDWATER
(04/23/2026)

APPENDIX A

PREVIOUS SITE INVESTIGATION REPORTS

PM ENVIRONMENTAL
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Environmental & Engineering Services Nationwide



ENVIRONMENTAL SERVICES

BUILDING ARCHITECTURE, ENGINEERING & SCIENCE

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PHASE I ENVIRONMENTAL SITE ASSESSMENT

Delta Automotive
103 South Atlanta Avenue | Sheffield, Alabama
PM Project Number 07-3738-0 WO 35

Prepared for:

City of Sheffield
600 North Montgomery Avenue
Sheffield, Alabama 35660

Prepared by:

PM Environmental, Inc.
4463-A Helton Drive
Florence, Alabama 35633

All Appropriate Inquiries Rule:
Reporting Requirements Checklist for Assessment Grant Recipients

WHAT IS "ALL APPROPRIATE INQUIRIES"?

"All appropriate inquiries," or AAI, is a process of evaluating a property's environmental conditions and assessing the likelihood of any contamination. Every Phase I assessment conducted with EPA Brownfields Assessment Grant funds ***must*** be conducted in compliance with the All Appropriate Inquiries Final Rule at 40 CFR Part 312. The All Appropriate Inquiries Final Rule provides that the ASTM E1527-05 and ASTM E1527-13 standards are consistent with the requirements of the final rule and may be used to comply with the provisions of the rule. In addition, all appropriate inquiries must be conducted in compliance with the Final Rule or the ASTM standard to obtain certain protections from liability under the federal Comprehensive Environmental Response, Compensation and Liability Act (CERCLA, aka Superfund).

WHAT ARE THE DOCUMENTATION REQUIREMENTS FOR ALL APPROPRIATE INQUIRIES?

The final rule requires that the results of an AAI investigation be documented in a written report. The specific reporting requirements for all appropriate inquiries are provided in 40 CFR §312.21 (*Results of Inquiry by an Environmental Professional*) and §312.31 of the final rule and in §12 of the ASTM E1527-05 and E1527-13 standards. All AAI final reports ***must***, at a minimum include the following:

1. An ***opinion*** as to whether the inquiry identified conditions indicative of releases or threatened releases of hazardous substances, and as applicable, pollutants and contaminants, petroleum or petroleum products, or controlled substances, on, at, in, or to the subject property.

2. An identification of ***"significant" data gaps*** (as defined in §312.10 of AAI final rule and §12.7 of ASTM E1527-05 and E1527-13), if any, in the information collected for the inquiry. Significant data gaps include missing or unattainable information that affects the ability of the environmental professional to identify conditions indicative of releases or threatened releases of hazardous substances, and as applicable, pollutants and contaminants, petroleum or petroleum products, or controlled substances, on, at, in, or to the subject property. The documentation of significant data gaps must include information regarding the significance of these data gaps.

3. ***Qualifications*** **and** ***signature*** of the environmental professional(s). The environmental professional must place the following statements in the document and sign the document:

   - *"[I, We] declare that, to the best of [my, our] professional knowledge and belief, [I, we] meet the definition of Environmental Professional as defined in §312.10 of this part."*

   - *"[I, We] have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. [I, We] have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312."*

   Note: Please use either "I" or "We."

4. In compliance with §312.31(b) of the AAI final rule and §12.6.1 of ASTM E1527-05 and E1527-13, the environmental professional must include in the final report an ***opinion regarding additional appropriate investigation***, if the environmental professional has such an opinion.

For each Phase I Environmental Site Assessment, or AAI, conducted using EPA Brownfields Grant monies, the grantee must complete, sign, date, and submit the following check list with any AAI reports submitted to EPA.

Also see U.S. EPA's website at www.epa.gov/brownfields for additional information.

Checklist for Phase I Site Assessments Conducted using EPA Brownfields Assessment Grant Funds

Contact Information

Grantee Name: The City of Sheffield

Grant Number: BF00D608178

ACRES Property ID: 238792

Program Manager Name: (Point of Contact) Randy Parker

Contact Phone Number: 256-383-0250

Name / Address of Property Assessed: Delta Automotive/103 S Atlandta Ave, Sheffield, A

Checklist

Please indicate that each of the following All Appropriate Inquiries documentation requirements were met for the Phase I assessment conducted at the above listed property:

- ■ An ***opinion*** as to whether the inquiry has identified conditions indicative of releases or threatened releases of hazardous substances, and as applicable, pollutants and contaminants, petroleum or petroleum products, or controlled substances, on, at, in, or to the subject property.

- ■ An identification of ***"significant" data gaps*** (as defined in §312.10 of AAI final rule and §12.7 of ASTM E1527-05 and E1527-13), if any, in the information collected for the inquiry, as well as comments regarding the significance of these data gaps. Significant data gaps including missing and unattainable information that affects the ability of the environmental professional to identify conditions indicative of releases or threatened releases of hazardous substances, and as applicable, pollutants and contaminants, petroleum or petroleum products, or controlled substances, on, at, in, or to the subject property.

- ■ ***Qualifications*** **and** ***signature*** of the environmental professional(s). The environmental professional must place the following statements in the document and sign the document:
  - ■ *"[I, We] declare that, to the best of [my, our] professional knowledge and belief, [I, we] meet the definition of Environmental Professional as defined in §312.10 of this part."*
  - ■ *"[I, We] have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. [I, We] have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312."*

  Note: Please use either "I" or "We."

- ■ In compliance with §312.31(b) of the AAI final rule and §12.6.1 of ASTM E1527-05 and E1527-13, the environmental professional must include in the final report an ***opinion regarding additional appropriate investigation***, if the environmental professional has such an opinion.

Randy T. Parker — Signature of Grantee Program Manager

3/17/2020 — Date

PM ENVIRONMENTAL
Risk Well Managed

Birmingham
2080 Valleydale Road
Suite 16
Birmingham, AL 35244
f: 877.884.6775
t: 205.986.0270

Decatur
717 Highway 67 South
Suite 26
Decatur, AL 35603
f: 877.884.6775
t: 256.353.6222

Florence
4050 Helton Drive
Suite 111
Florence, AL 35633
f: 877.884.6775
t: 256.812.6000

Starkville
500 Russell Street
Suite 106
Starkville, MS 39759
f: 877.884.6775
t: 800.313.2966

March 17, 2020

Mr. Ian Sanford
City of Sheffield
600 North Montgomery Avenue
Sheffield, Alabama 35660

Re: Phase I Environmental Site Assessment of the Delta Automotive Property
Located at 103 South Atlanta Avenue, Sheffield, Alabama
PM Environmental, Inc. Project No. 07-3738-0 WO35

Dear Mr. Sanford:

PM Environmental, Incorporated (PM) has completed the Phase I Environmental Site Assessment (ESA) of the above referenced property. This Phase I ESA was conducted in accordance with (1) the United States Environmental Protection Agency (USEPA) Standards and Practices for All Appropriate Inquiries {(AAI), 40 CFR Part 312} and (2) guidelines established by the American Society for Testing and Materials (ASTM) in the *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process / Designation E 1527-13* (ASTM Standard Practice E 1527-13).

The Phase I ESA for the above referenced property represents the product of PM's professional expertise and judgment in the environmental consulting industry, and it is reasonable for the **CITY OF SHEFFIELD AND MR. JAMES C. GAUTNEY** to rely on PM's Phase I ESA report.

If you have any questions related to this report please do not hesitate to contact our office at 800.313.2966.

Sincerely,
PM ENVIRONMENTAL, INC.

Erica Shuff
Project Consultant

Beth Sexton
Chief Operating Officer

EXECUTIVE SUMMARY

PM Environmental, Inc., (PM) was retained to conduct a Phase I Environmental Site Assessment (ESA) of the Delta Automotive Property located at 103 South Atlanta Avenue, Sheffield, Colbert County, Alabama (hereafter referred to as the "subject property"). This Phase I ESA was conducted in accordance with (1) the United States Environmental Protection Agency (USEPA) Standards and Practices for All Appropriate Inquiries {(AAI), 40 CFR Part 312} and (2) guidelines established by the American Society for Testing and Materials (ASTM) in the *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process / Designation E 1527-13* (ASTM Standard Practice E 1527-13).

THIS REPORT WAS PREPARED FOR THE EXCLUSIVE USE OF THE CITY OF SHEFFIELD AND MR. JAMES C. GAUTNEY, EACH OF WHOM MAY RELY ON THE REPORT'S CONTENTS.

Item	Comments
Number of Parcels and Acreage	One parcel containing approximately 1.49 acres
Number of Building(s) and Square Footage	One warehouse building totaling approximately 61,550-square feet
Current Property Use	Currently unoccupied with no current business operations

Reasonably ascertainable records reviewed as part of this Phase I ESA documented the use of the property back to 1921. Data failure occurred prior to that date, between 1921 and 1928, and between 1928 and 1949. However, PM did not identify any significant data gaps during the completion of this Phase I ESA.

Standard and other historical sources were able to document that portions of the property were residential between at least 1921 and 1928.

A warehouse, storefront building, tool house, and an outbuilding/stable were present on the northern and eastern portions in at least 1921 when the property was occupied by Nitrate Coal and Grain Co. Between 1921 and 1928, the tool house and outbuilding were demolished.

Lumber companies occupied the northern and eastern portions of the property between at least 1928 and 1968, where operations consisted of planing, woodworking, retail, and lumber storage. Several buildings associated with the lumber operations were constructed on the northern and eastern portions between 1921 and 1962. The northwestern portion of the current warehouse building was constructed in 1955 as part of these operations.

Between 1963 and 1987, all of the buildings, except the northwestern portion of the current warehouse and a building materials warehouse, were demolished. An addition was constructed on the south and western face of the current warehouse building, and two warehouse buildings were constructed on the south and central portions between 1963 and 1987. In 1997/1998, the southwestern warehouse was demolished, and several additions were constructed to the buildings to connect the remaining buildings and complete the current building layout. According to a previous report, the buildings were occupied by a retail automotive parts store in 1970. The buildings were then occupied by Delta Automotive where operations consisted of the rebuilding of automotive transmissions and axles between 1971 and 1997. By 1998, only packaging operations took place on the property for Delta Automotive which continued until 2004. The

building has been vacant since 2008. Refer to the sections below for additional information on Delta Automotive operations.

The following table summarizes the conditions identified as part of this assessment. Affirmative answers are further discussed below the table:

Type of Condition	Identified During the Course of this Assessment
De Minimis Condition	No
Significant Data Gap	No
Historical Recognized Environmental Condition (HREC)	No
Recognized Environmental Condition (REC)	Yes
Controlled Recognized Environmental Condition (CREC)	Yes
Significant Non-ASTM Scope Considerations and/or Business Environmental Risks	No

Recognized Environmental Condition

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527-13 of the Delta Automotive Property located at 103 South Atlanta Avenue, Sheffield, Colbert County, Alabama, the property. Any exceptions to, or deletions from, this practice are described in Section 1.4 of this report. This assessment has revealed no evidence of recognized environmental conditions connected with the property except the following:

- The subject property was occupied by Delta Automotive and utilized for automotive parts refurbishing from 1971 to 1997. Operations included the use of hazardous substances and/or petroleum products. In 1997/1998 a Waste Containment Unit (WCU) was constructed and completed on the property. This WCU contains contaminated soil generated from excavations on the property, attributed to the former Delta Automotive operations. The WCU was granted closure by the Alabama Department of Environmental Management (ADEM) in 1998. As part of the closure, continued groundwater monitoring of the unit was required. Documentation up to 2020 documents continued groundwater contamination on the subject property. Additionally, soil contamination likely remains within the WCU.

No adjoining and/or nearby RECs have been identified.

Controlled Recognized Environmental Condition

A CREC, as defined in the ASTM Standard, is a recognized environmental condition (REC) resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls. The following CREC was identified during completion of this Phase I ESA:

- As discussed in the REC section above, the WCU was granted closure with continuing obligations, including monthly inspections of the WCU, semi-annual measuring of groundwater elevations and sampling of on-site monitoring wells. Based on the closed status of the WCU, engineering and institutional controls, and the documented site

assessment activities which were adequate to assess the contamination on site, PM has identified the closed WCU as a CREC.

Recommendations

This REC has been brought to the attention of the client within the requirements of the ASTM Standard Designation E-1527-13.

The current owner of the property is required to complete monthly inspections of the WCU, to have groundwater elevations measured semi-annually for all associated monitoring wells, and to have monitoring wells sampled semi-annually as discussed in the 2009 ADEM Pre-CERCLIS Screening Assessment. Additionally, specific requirements are in place for the WCU in the event of future construction activities. PM recommends that the owner comply will all current and future continuing obligations.

The summary presented above is general in nature and should not be considered apart from the entire text of the report, which contains the qualifications, considerations and subject property details mentioned herein. Details of findings and conclusions are elaborated upon in this report.

This report has been reviewed for its completeness and accuracy. Please feel free to contact our office at 800.313.2966 to discuss this report.

REPORT PREPARED BY:
PM Environmental, Inc.



Erica Shuff
Project Consultant

REPORT REVIEWED BY:
PM Environmental, Inc.



Beth Sexton
Chief Operating Officer

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FIGURES

Figure 1: Site Location Map
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APPENDICES

Appendix A: Property Photographs from Site Reconnaissance
Appendix B: Correspondence and Supporting Documentation
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Appendix E: Professional Resumes
Appendix F: Acronyms and Terminology, Scope of Work, ASTM Reference Document, and User's Continuing Obligations under CERCLA

1.0 INTRODUCTION

This Phase I ESA was conducted in accordance with (1) the United States Environmental Protection Agency (USEPA) Standards and Practices for All Appropriate Inquiries {(AAI), 40 CFR Part 312} and (2) guidelines established by the American Society for Testing and Materials (ASTM) in the *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process / Designation E 1527-13* (ASTM Standard Practice E 1527-13).

THIS REPORT WAS PREPARED FOR THE EXCLUSIVE USE OF THE CITY OF SHEFFIELD AND MR. JAMES C. GAUTNEY, EACH OF WHOM MAY RELY ON THE REPORT'S CONTENTS.

PM acknowledges that these parties may rely on the contents and conclusions presented in this report. Unless stated otherwise in writing, PM makes no other warranty, representation, or extension of reliance upon the findings of this report to any other entity or third party.

1.1: Property Overview

Subject Property Location/Address	103 South Atlanta Avenue, Sheffield, Colbert County, Alabama
Number of Parcels and Acreage	One parcel containing approximately 1.49 acres
Number of Building(s) and Square Footage	One warehouse building totaling approximately 61,550-square feet
Current Property Use	Currently unoccupied with no current business operations
Current Zoning	M1: Light Industrial District

The subject property location is depicted on Figure 1, Site Location Map. A diagram of the subject property and adjoining properties is included as Figure 2, Generalized Diagram of the Subject Property and Adjoining Properties. Photographs taken during the site reconnaissance are included in Appendix A.

1.2: Purpose and Scope of Services

The purpose of this Phase I ESA was to evaluate the current and historical conditions of the subject property in an effort to identify *recognized environmental conditions* (RECs), *controlled recognized environmental conditions (CRECs),* and *historical recognized environmental conditions* (HRECs) in connection with the subject property. This Phase I ESA is intended to reduce, but not eliminate, uncertainty regarding the potential for RECs, CRECs, and HRECs in connection with the subject property.

Acronyms and terms used in this report are described in Appendix F. Additionally, PM's scope of services is included in Appendix F.

1.3: Significant Assumptions

Pursuant to ASTM Standard Practice E 1527-13, PM assumes that the information provided by all sources and parties, including the User, is accurate and complete, except where obvious inconsistencies or inaccuracies were identified.

1.4: Limitations, Deviations, and Special Terms and Conditions

There are no deviations from the ASTM Standard. Non-ASTM Scope considerations are included in Section 11.0. Any physical limitations identified during the completion of this report are referenced in Section 7.0.

Due to changing environmental regulatory conditions and potential on-site or adjacent activities occurring after this assessment, the client may not presume the continuing applicability to the subject property of the conclusions in this assessment for more than 180 days after the report's issuance date, per ASTM Standard Practice E 1527-13.

To the best of PM's knowledge, no special terms or conditions apply to the preparation of this Phase I ESA that would deviate the scope of work from the ASTM Standard Practice E 1527-13.

PM was not provided with a copy of the recorded land title records for subject property by the client and was not requested to complete a title search. Therefore, PM cannot comment on any potential relevant information that may have been obtained through review of these records.

2.0 USER PROVIDED INFORMATION

The ASTM Standard defines a User as "the party seeking to use Practice E 1527 to complete an environmental site assessment. A User may include, without limitation, a potential purchaser of property, a potential tenant of property, an owner of property, a lender, or a property manager." The User has specific obligations for completing a successful application of this practice as outlined in Section 6 of the ASTM Standard Practice E 1527-13.

In order to qualify for one of the Landowner Liability Protections (LLPs) offered by the Small Business Liability Relief and Brownfield's Revitalization Act of 2001 (the "Brownfield's Amendments") (if desired), the User must provide certain information (if available) identified in the User Questionnaire to the environmental professional. Failure to provide this information could result in a determination that "all appropriate inquiry" is not complete.

PM was retained to complete this Phase I ESA for the current owner. Therefore, innocent landowner defenses/protections under State and Federal law do not apply for the User.

2.1: Recorded Land Title Records

PM was not provided with land title records for the subject property by the User and was not requested to complete a chain of title for the subject property. PM reviewed reasonably ascertainable environmental liens and activity and use limitation documents, which are further discussed in Section 4.10. Based upon the information reviewed as part of this Phase I ESA, PM has not identified the lack of provided land title records as a data failure that represents a significant data gap.

2.2: Reason for Performing this Phase I ESA

According to the User, this Phase I ESA was conducted to evaluate the current and historical conditions of the subject property in an effort to identify RECs, CRECs, and HRECs in connection with the subject property.

3.0 PHYSICAL SETTING

PHYSICAL SETTING INFORMATION FOR THE SUBJECT PROPERTY AND SURROUNDING AREA		SOURCE
Topography: Refer to Figure 1 for an excerpt of the Topographic Map		
Site Elevation	495 feet above mean sea level (msl)	United States Geological Survey Division (U.S.G.S.) 7.5-Minute Topographic Map of the Florence, Alabama Quadrangle, 1971
Topographic Gradient	West	
Closest Surface Water	An unknown tributary located approximately 2,490 feet southwest at 475 feet above msl. Additionally, A tributary of Tennessee River is located approximately 3,500 feet northwest at 480 feet above msl.	
General Soil Characteristics: Refer to Appendix B for a copy of the soil survey map and soil type descriptions		
Soil Type	Urban Land	United States Department of Agriculture, Custom Soil Survey of Colbert County, Alabama (survey area data: September 16, 2019)
Description	A typical soil profile is typically an area covered by commercial buildings, condominiums, apartment buildings, parking lots, streets, sidewalks, driveways, railroad yards, industrial complexes, and other structures. Permeability and corrosivity are not defined. A typical soil profile is not defined.	
Area Specific Geology/Hydrogeology Characteristics:		
Geology	Subsurface soil consists of clay to 20.0 feet below ground surface (bgs), the maximum depth explored.	Previous site investigations for the subject property (Section 4.9)
Hydrogeology	The subject property is located in an area with two confined aquifers. Depth to groundwater is the shallow aquifer is between 4.71 and 14.91 feet bgs. Depth to groundwater in the deep aquifer is between 35.87 and 40.63 feet bgs. Groundwater flow direction is to the northwest.	
Oil and Gas Wells:		
Current Oil and Gas Wells on Subject Property	None identified	Alabama State Oil and Gas Board website
Historical Oil and Gas Wells on Subject Property	None identified	

4.0 RECORDS REVIEW

PM reviewed reasonably ascertainable records to identify obvious uses of the subject property from the present, back to the property's obvious first developed use, or back to 1940, whichever is earlier. Reasonably ascertainable records reviewed as part of this Phase I ESA documented the use of the property back to 1921. Data failure occurred prior to that date, between 1921 and 1928, and between 1928 and 1949. In PM's professional opinion, this data failure does not represent a significant data gap.

4.1: Aerial Photographs and Sanborn Maps

PM reviewed reasonably ascertainable aerial photographs for the subject property area. The sources and years reviewed are identified in the table below. Relevant aerial photographs are included in Appendix B.

PM reviewed reasonably ascertainable Sanborn Fire Insurance Maps for the subject property area, which were obtained from EDR. The sources and years reviewed are identified in the table below. Relevant Sanborn Maps are included in Appendix B.

The following table summarizes the sources reviewed and the information obtained about the subject property from these sources. Information obtained about the adjoining properties from these sources is summarized in Section 8.0.

Aerial and Sanborn Summary for the Subject Property

Year and Source	Summary of Information
1921 Sanborn Map (EDR)	Eight residential dwellings are present on the central and western portions of the subject property. The northern and eastern portions are occupied by Nitrate Coal and Grain Co. Structures depicted for this development from north to south consist of a warehouse labeled as “Feed Stuffs”; a storefront; a tool house; and an outbuilding / stable.
1928 Sanborn Map (EDR)	The previously identified dwellings remain on-site, except one is now identified as a storefront. The northern and eastern portions of the property are now occupied by C D Whitfield Lumber Company. The previously identified Feed Stuff building has been expanded and now contains an office and lumber storage. The remaining buildings have been demolished, and replaced with a small one-story building (no label), a chimney, another structure with a sawdust pile to the south, and the southeastern portion contains a planing mill and lumber piles.
1949 Aerial (EDR)	Due to scale and resolution, limited definitive details could be determined from this aerial photograph. In general, it appears that the northeastern office/lumber storage building remains, and the smaller unlabeled structure south has been expanded. Most of the dwellings appear to have been demolished, but specific numbers could not be determined. In general, the entire property appears to be commercial in nature consistent with a lumber yard type operation.
1953 Aerial (EDR)	Due to scale and resolution definitive details could not be determined, except that in general the layout is consistent with the previous aerial year.
1962 Sanborn Map (EDR)	The entire property is identified as occupied by the lumber company. Notes on the Sanborn map document that the northeastern building was constructed in 1955, suggesting that the former building was demolished and a new building constructed, instead of just expansion / changes to the former building. The building is labeled as a building materials warehouse and lumber storage. All of the other structures depicted in the 1928 Sanborn map have definitely been demolished, and the property contains a wood working building, a lumber shed, two building materials warehouses. A portion of a small detached garage is depicted in the southeastern portion, which extends into 13th Avenue SE.
1962 Aerial (EDR)	Layout is consistent with the 1962 Sanborn map.
1963 Sanborn Map (EDR)	Similar to the previous aerial and Sanborn Map year.
1987 Aerial (EDR)	The northeastern warehouse building has been expanded to the south and west. One of the building materials warehouses remains. Two additional warehouse structures are present on the central and southern portions of the parcel.

Year and Source	Summary of Information
1989 Aerial (EDR)	Generally appears similar to the 1987 aerial photograph, except due to scale and resolution PM could not definitely determine if the central buildings remain.
1997 Aerial (EDR)	It appears that the northeastern and southernmost buildings have been connected with additions. The layout of the property is consistent with the current layout.
2006 Aerial (EDR)	Similar to the previous aerial year.
2009 Aerial (EDR)	Similar to the previous aerial year.
2013 Aerial (EDR)	Similar to the previous aerial year.
2017 Aerial (EDR)	Similar to the previous aerial year.

A summary of this information along with other historical sources is included in Section 6.0.

4.2: Local Street Directories

Reasonably ascertainable local street directories for Sheffield, Alabama were researched. Directories were available from 1964 to 2014. Directories were researched in at least five-year increments, when available. It should not be construed that the earliest date represented is the initial date of occupancy.

Subject Property: 103 South Atlanta Avenue

2014-2010	Not Listed
2005	Delta Automotive Inc.
	Whatever It Takes Transmission
2000-1992	Delta Automotive Inc.
1988-1973	Delta Automotive Inc. wholesale transmission parts
1968-1964	Not Listed

Historical Subject Property: 101 South Atlanta Avenue

2014-1973	Not Listed
1968	Sheffield Lumber Company
1964	Whitfield Company – Lumber Company

The eastern portion of the subject property was formerly addressed as 1301 21st Street. PM was unable to review city directories associated with this listing. However, based on the amount of information obtained on the historical operations at the property, PM has not identified this limitation as a significant data gap.

A summary of this information along with other historical sources is included in Section 6.0.

PM also reviewed listings for adjoining commercial properties. Information from the listings reviewed is included in Section 8.0.

4.3: Assessing Department

Reasonably ascertainable assessment information provided by the Colbert County Revenue Commissioner was obtained and reviewed. Assessing records document that the subject property consists of one parcel developed with a 51,396 square foot warehouse building. The construction date and acreage of the parcel were not documented on the assessing records. The use of Google maps measuring tool documents that the building contains approximately 61,550-square feet.

Assessing records only documented the current assessment information for the subject property. No historical field cards were available for review. Copies of available assessment records for the subject property and the current legal description are included in Appendix B.

4.4: Building Department

PM contacted a representative of the City of Sheffield Building Department to determine if records were available for the subject property. PM received a written response indicating that no records were available for the subject property.

4.5: Fire Department

PM interviewed Fire Marshal Terry Lenz of the City of Sheffield Fire Department. According to Fire Marshal Lenz, who has been with the department for the past 32 years, there are no records of incidents of fires, chemical spills, or HAZMAT responses to the subject property. Fire Marshal Lenz indicated that the property was historically occupied by a torque converted tenant and that the property was a Superfund site. PM also attempted to review available Fire Department records, however, Fire Marshal Lenz indicated that no records were available for the subject property.

4.6: Health Department

PM submitted a Freedom of Information Act (FOIA) request to the Colbert County Health Department to review records for the subject property. PM did not receive a response within the time constraints of this report. If PM does receive a response, and it changes the findings of the report, the client will be notified.

4.7: Utilities

4.7.1: Municipal Water/Water Wells

The subject property is currently connected to municipal water. PM attempted to interview a representative of the City of Sheffield Utilities Department to determine when the building connected to municipal water, however, a response was not received within the time constraints of this report. Review of Sanborn Maps document the municipal water has been available to the subject property area since 1928. Based on this information, it is likely that the current building connected to municipal water during construction. No records of private water wells have been identified through review of reasonably ascertainable information.

PM was unable to determine whether the former buildings on the subject property were connected to municipal water or private water wells. The buildings may have been connected to private water wells. Based on the lack of current use, PM has not identified the potential former water wells as a REC.

4.7.2: Sanitary Sewer/Septic System

The subject property is currently connected to municipal sewer. PM attempted to interview a representative of the City of Sheffield Utilities Department to determine when the building connected to municipal sewer, however, a response was not received within the time constraints of this report. Review of previous reports completed for the subject property documents that the

property has been connected to municipal sewer since at least 1998. It is likely that municipal sewer has been available as long as municipal water has been available to the subject property area. Based on this information it is likely that current building connected to municipal sewer during construction. No records of private septic fields have been identified through review of reasonably ascertainable information.

PM was unable to determine whether the former buildings on the subject property were connected to municipal sewer or private septic fields. The buildings may have been connected to private septic fields. Based on the documented uses and previous subsurface investigations (Section 4.9), PM does not consider the potential former septic systems as a likely source of subsurface contamination.

4.7.3: Heat Source

Since the subject building is not currently occupied, it is not connected to a heat source. PM attempted to interview a representative of the City of Sheffield Utilities Department to determine when the building formerly connected to natural gas, however, a response was not received within the time constraints of this report. During the site reconnaissance PM observed a natural gas meter along the building, therefore PM believes that the building was formerly heated via natural gas.

PM was unable to determine when the current building previously connected to natural gas or the heat source for the former buildings on the subject property. No documentation of fuel oil use was identified during review of reasonably ascertainable records, and no visual evidence of fuel oil use was identified during the site reconnaissance. There is the potential for a fuel oil AST or UST to have been used at the property and for a release to have occurred. However, based upon PM's experience, the risk of a release associated with a potential fuel oil UST is low. If a fuel oil UST is discovered in the future and/or evidence of a release of historical fuel oil is identified, further evaluation may be necessary.

4.8: Underground Storage Tank (UST) Systems

Review of reasonably ascertainable standard and other historical sources, and site observations, have not identified the current and historical presence of USTs on the subject property. Specifically, no records of USTs were identified though review of reasonably ascertainable records and PM did not observe any evidence of USTs (i.e. fill ports, vent pipes, etc.) during the site reconnaissance. Additionally, the current owner indicated he had no knowledge of USTs associated with the subject property.

4.9: Previous Environmental Reports

PM reviewed the following previous environmental reports for the subject property. Relevant portions of the reports are included in Appendix C.

Name of Report	Date of Report	Company that Prepared Report
Contamination Assessment	8-15-1990	Gallet and Associates, Inc. (Gallet)
Groundwater Investigation	6-3-1991	Gallet
Groundwater Quality Assessment	6-2-1992	Gallet
RCRA Facility Assessment	7-7-2000	Tetra Tech EM Inc.
Confirmatory Sampling	10-25-2002	Highland Technical Services, Inc. (HTSI)

Name of Report	Date of Report	Company that Prepared Report
Semi-Annual Groundwater Monitoring Report	10-26-2001	HTSI
Additional Soil Investigation	2-28-2004	Gallet
Pre-CERCLIS Screening Assessment	9-9-2009	Alabama Department of Environmental Management (ADEM)
Phase II ESA	1-31-2020	PM

Site assessment activities in the 1990 Contamination Assessment were reportedly initiated due to documented surface sampling in 1989, which resulted in evidence of subsurface contamination. At the time of the site assessment, the subject property was occupied by Delta Automotive and utilized for automotive parts remanufacturing. Four structures were present on the property, which consisted from north to south of: an office and warehouse, two storage buildings, and the plant operations. 14 soil borings were advanced on the property, with 44 soil samples collected. No groundwater was encountered during these activities. Select samples were analyzed for volatile organic compounds (VOCs). Contamination was only reported as total VOCs in the information provided to PM, and did not document the specific compounds. Two main areas of subsurface contamination were identified, reportedly in an area that was used for parts disassembly and one adjacent to the plant operations.

The June 1991 Groundwater Investigation was completed the further assess the contamination. Four temporary monitoring wells and four permanent monitoring wells were installed, and one soil sample was collected from the soil/groundwater interface in each well and analyzed for VOCs. Groundwater samples were collected from the permanent monitoring wells and were analyzed for VOCs. Trichloroethylene (TCE), xylene, 1-1-1 trichloroethane (TCA), and chloroform were documented in the soil samples. TCE, 1-1-1 TCA, 1-1 dichloroethylene, 1-1 dichloroethane, and 1-2 dichloroethylene were identified in the groundwater samples above the maximum contaminant levels (MCLs).

It should be noted that the report documented a groundwater flow direction to the west-southwest. Additionally, the report documented a creek adjacent to the property, that was influencing the seasonal flow direction and depth to groundwater. The creek was determined to be influencing the depth to groundwater in the wells, which was variable throughout the property. It should be noted that the creek is not depicted on the maps provided by Gallett and is not depicted on topographic maps reviewed by PM as part of this assessment. Additionally, later assessments documented a groundwater flow to the northwest instead of to the west-southwest.

In 1992, additional groundwater investigation was completed including installation of additional monitoring wells and evaluation of the shallow aquifer on the property. One deep well was also installed for a second, deeper aquifer that is below the site and confined from the upper shallow aquifer by a clay layer over 20 feet in thickness. The 1992 report also documented a groundwater flow direction to the north with slight slope to the west.

In 1992, a consent order was issued to Delta Automotive, Inc. to remove hazardous waste from the property, cap the soil on the property, and conduct groundwater sampling. Subsequently drums of hazardous wastes were removed from the property and contaminated soil documented on the property was capped in a Waste Containment Unit (WCU) in 1997/1998. Approximately 954 cubic yards of contaminated soil was capped and closed in place. The cap consists of the application of limestone, a Miraclay liner, an eight-millimeter vapor barrier, and a concrete floor. In October 1998, ADEM accepted the landfill certification closure for the capped area. The

documentation for the WCU included in the 1998 report documented one of the storage buildings in the central portion of the property has been demolished. Based on aerial photographs, it appears that the entire structure was configured to the current layout in 1997 during construction of the WCU.

Between 1992 and 1999, several groundwater sampling events took place. By 1999 none of the analyzed constituents were documented above the MCLs. Barium was identified in the groundwater above background levels, but below the MCLs.

The 2000 RCRA Facility Assessment was completed as requested for ADEM to identify potential releases or releases from solid waste management units (SWMUs) and area of concerns (AOCs) that may require corrective action. 19 SWMUs and three AOCs were identified by Tetra Tech. These areas were all associated with the former hazardous waste storage areas, drum storage, painting/parts washing/rebuilding operations, dumpster areas, and sanitary sewer connection. It was recommended that further assessment be completed for SWMUs 9 and 12; the remaining SWMUs and AOCs were recommended no further action (NFA) by Tetra Tech. SWMU 9 is associated with a release of spent petroleum, naptha, and methyl ethyl ketone (MEK) that took place on the property in the late 1970s when a forklift punctured a drum. SWMU 12 is associated with a release of spent mineral spirits on that bare ground that occurred at the property in 1989 and was identified during an ADEM inspection at the property. According to Tetra Tech the soil contamination has been adequately assessed. It should be noted that SWMU 9 is identified as the WCU on the property.

In PM's opinion, the subsurface investigations on the property appear to have been sufficient to document contamination on the property. Additional soil and groundwater contamination may remain in areas not assessed on the property, but overall risk has generally been evaluated.

The 2001 Confirmatory Sampling was completed to collect eight soil samples from beneath the SWMU 12 (former spent mineral spirits drum storage) associated with the Post Closure Permit issued to the property. The soil samples were analyzed for VOCs and metals and the detected concentrations did not exceed the respective EPA soil screening levels (SSLs).

In 2003, four soil samples were collected from north, east, south, and just west of the subject property and were analyzed for arsenic as requested by ADEM to establish background levels. The soil samples did not exceed the EPA Preliminary Remediation Goals (PRGs) for residential soil. It was determined that the arsenic levels at and around the subject property are at background or naturally occurring levels.

In 2007, ADEM granted NFA for confirmatory sampling at SWMU 12.

Review of the Pre-CERCLIS Screening Assessment was completed to determine if Delta Automotive, Inc. needs to be referred to the RCRA program to complete the groundwater monitoring phase required. This report documents that the property was occupied by Whitefield Lumber Company (woodworking) between 1914* and the late 1960s. A lumber dealer occupied the property from the 1960s until the 1970s. Additionally, the property was occupied by a retail automotive parts store in 1970. Between 1971 and 2004, the property was occupied by Delta Automotive. Operations consisted of the rebuilding of automotive transmissions and axles between 1971 and 1997. Between 1998 and 2004, only packaging operations took place on the property for Delta Automotive. The building has been vacant since 2008. Groundwater around the capped area has not been monitored for several years. ADEM recommended that Delta

Automotive, Inc. be referred to the RCRA program, no further action is planned regarding the CERCLA program.

*Review of research obtained during the completion of this Phase I ESA documented that the woodworking operations did not begin until at least 1928.

Review of a March 2018 letter from ADEM documents that after the closure of the contaminated soil on the property via an alternative cap system (WCU) on the property in 1997/1998, post closure requirements were determined. In 2004, the post-closure permit was modified to a detection monitoring program. Additionally, the letter documents that a notice of violation (NOV) was issued to Delta Automotive in 2004 for failure to establish financial assurance. Between 2008 and 2009 ownership of the property changed (BRAL Holdings, LLC) and they failed to obtain a post closure permit and establish financial assurance with ADEM. A NOV was issued in 2010 to BRAL and in 2011 the EPA issued a Consent Agreement and Final Order (CA/FO) with a civil penalty of $26,187 was issued. In 2012 the property was foreclosure on and the State of Alabama received the property.

PM completed a Phase II ESA for the subject property dated January 31, 2020. This Phase II ESA was completed to evaluate the condition of the concrete cap over the WCU, the integrity of the monitoring wells (MWs), and collecting groundwater samples from the existing MWs. Groundwater samples were collected from each monitoring well and analyzed for VOCs, metals, aluminum, zinc, and phenol. MW-5 (on site) documented 1,1-dichloroethene above the EPA Regional Screening Levels (RSLs) MCL and MW-9 (up gradient) documented lead in the groundwater above EPA RSL MCL. The remaining MWs did not document any exceedances above the EPA RSL MCL.

The site contains a WCU that was granted closure in 1998. Groundwater contamination remains on the property associated with the WCU. **The documented contamination on the subject property represents a REC, and a CREC based on restrictions and continuing obligations.**

In PM's professional opinion, the site assessment activities performed to-date appear adequate to document the contamination on the property and assess historical operations.

4.10: Environmental Liens, Activity and Use Limitations, and Government Institutional and Engineering Controls

PM has not identified any record of environmental liens, or activity or use limitations associated with the subject property through review of reasonable ascertainable records. An engineering and institutional control were identified during the review of the Landfill Closure Certification prepared in September 1998 for the WCU on the property. Review of the 2009 ADEM Pre-CERCLIS Screening Assessment indicates that groundwater elevations should be measured semi-annually for all associated monitoring wells, and to have monitoring wells sampled semi-annually as discussed. Additionally, specific requirements are in place for the WCU in the event of future construction activities. Refer to Section 4.9 for additional information.

5.0 INTERVIEWS

The objective of completing interviews with knowledgeable site contacts is to obtain information about the uses and physical characteristics of the property. In general, interviewees supported the information reviewed from other historical sources (i.e. aerial photos, city records, etc.).

Represents	Interviewed	Name and Title	Length of Time Associated with Subject Property	Comments
Current Property Owner	Yes	Mr. James C. Gautney, owner	Since September 2019	Mr. Gautney indicated that there are monitoring wells located on the property associated with a former release at the property. Additional information provided by Mr. Gautney is referenced throughout this report.
Key Site Manager				
Former Property Owner	No	Not applicable	Not applicable	Contact information for the former owner was not reasonably ascertainable or provided by the User
Current Occupant(s)	No	Not applicable	Not applicable	The subject property is not currently occupied, therefore, PM did not interview a current occupant.
Former Occupant(s)	No	Not applicable	Not applicable	Contact information for the former occupants was not reasonably ascertainable or provided by the User
Other(s)	No	Not applicable	Not applicable	No other relevant interviews were conducted as part of this Phase I ESA.

6.0 SUMMARY OF HISTORICAL USE

Standard and other historical sources were able to document that portions of the property were residential between at least 1921 and 1928.

A warehouse, storefront building, tool house, and an outbuilding/stable were present on the northern and eastern portions in at least 1921 when the property was occupied by Nitrate Coal and Grain Co. Between 1921 and 1928, the tool house and outbuilding were demolished.

Lumber companies occupied the northern and eastern portions of the property between at least 1928 and 1968, where operations consisted of planing, woodworking, retail, and lumber storage. Several buildings associated with the lumber operations were constructed on the northern and eastern portions between 1921 and 1962. The northwestern portion of the current warehouse building was constructed in 1955 as part of these operations.

Between 1963 and 1987, all of the buildings, except the northwestern portion of the current warehouse and a building materials warehouse, were demolished. An addition was constructed on the south and western face of the current warehouse building, and two warehouse buildings were constructed on the south and central portions between 1963 and 1987. In 1997/1998, the southwestern warehouse was demolished, and several additions were constructed to the buildings to connect the remaining buildings and complete the current building layout. According to a previous report, the buildings were occupied by a retail automotive parts store in 1970. The buildings were then occupied by Delta Automotive where operations consisted of the rebuilding of automotive transmissions and axles between 1971 and 1997. By 1998, only packaging

operations took place on the property for Delta Automotive which continued until 2004. The building has been vacant since 2008. PM has identified the documented contamination on site associated with the former Delta Automotive operations as a REC. Refer to Section 4.9 for additional information.

7.0 SUBJECT PROPERTY RECONNAISSANCE

Reconnaissance Information	
PM Field Personnel:	Ms. Suzanne Evans
Site Reconnaissance Date:	December 12, 2019
Escort:	Mr. Jay Gautney, owner
Limitations:	None identified

7.1: Subject Property Observations

The subject building contains approximately 61,500-square feet of floor space, which is divided into offices, a warehouse, and restrooms. Interior finish materials in the office area include carpeting, vinyl floor tiles, drywall walls, and ceiling tiles. The warehouse area is unfinished with a poured concrete floor, metal framed walls, and an exposed ceiling. The entire building is on a poured concrete foundation.

The footprint of the current building occupied the entire subject parcel, with the exception of two areas of grass northwest and west of the building.

The following table summarizes the site observations. Affirmative responses are discussed in more detail following the table.

Category	Feature	Observed
Interior Equipment	Elevators	No
	Air Compressors	No
	Incinerators	No
	Waste Treatment Systems	No
	Presses/Stamping Equipment	No
	Press Pits and/or In-ground Pits	No
	Hydraulic Lifts or In-ground hoists	No
	Paint Booth	No
	Plating Tanks	No
	Parts Washers	No
	Lathes, Screw Machines, etc.	No
Aboveground Chemical or Other Waste Storage or Waste Streams	Aboveground Storage Tanks (ASTs)	No
	Drums, Barrels and/or Containers > 5 gallons	Yes
	Chip Hoppers	No
	Hazardous or Petroleum Waste Streams	No
Underground Chemical or Waste Storage, Drainage or Collection Systems	Underground Storage Tanks	No
	Fuel Dispensers	No
	Sumps or Cisterns	No
	Dry Wells	No
	Oil/Water Separators	No
	Floor Drains, Trench Drains, etc.	Yes
	Pipeline Markers	No

Category	Feature	Observed
Exterior Observations	Stressed Vegetation	No
	Stained Soil or Pavement	No
	Monitoring Wells	Yes
	Pad or Pole Mounted Transformers and/or Capacitors	No
	Soil Piles of Unknown Origin	No
	Exterior Dumpsters with Staining	No
	Leachate or Other Waste Seeps	No
	Trash, Debris, and/or Other Waste Materials	No
	Uncontrolled Dumping or Disposal Areas	No
	Surface Water Discoloration, Sheen or Free Product	No
	Strong, Pungent or Noxious Odors	No
	Storm water retention or detention ponds	No
	Pits, Ponds, Lagoons	No

Drums, Barrels, and/or Containers > 5-gallons: PM observed one 55-gallon drum of lightbulbs in the building. The drum was staged on concrete in good condition with no evidence of staining. Based on the site observations, PM has not identified this drum as a REC.

Floor Drains, Trench Drains, etc.: PM observed floor drains in the restrooms in the building and in the back area of the warehouse. The floor drains all discharge to the sanitary sewer. Based on the use of the drain in the restroom, PM has not identified these drains as a REC. While the immediate area around the floor drain in the warehouse was not assessed during previous subsurface investigations, numerous subsurface investigations have been completed upgradient of the floor drain and a new release/additional contamination have not been documented on the property. Based on this information, PM believes that this floor drain does not represents a REC.

Monitoring Wells: PM observed two flush mounted monitoring wells in the building. Refer to Section 4.9 for additional information.

7.1.1: Current Operations

The subject property is currently unoccupied and therefore there are no current business operations.

8.0 ADJOINING PROPERTIES

The following paragraphs provide information about the adjoining properties obtained during the site reconnaissance and through review of reasonably ascertainable information.

North Adjoining Properties

The northeast adjoining property, across East 21st Street and railroad tracks, consists of vacant land. Review of historical records documents that the property was occupied by a coal and/or grain yard between at least 1921 and 1963. The property was then occupied by a concrete mixing plant between at least the 1980s and the 2000s. The property has been vacant of operations since at least 2013. This site is identified in the regulatory database. Refer to Section 9.2 for additional information.

The remaining north adjoining property is currently and has historically been occupied by railroad tracks.

East Adjoining Property

The east adjoining property consists of vacant land with exterior storage and no associated address. Review of historical records documents that the property consisted of vacant land until two bulk ASTs were brought to the property between 1963 and 1987. These ASTs were associated with the further east Alabama Oil Company and Exxon property. The ASTs were removed from the property between 2001 and 2006. The property has been occupied by vacant land with the exterior storage of vehicles stored on the bare ground since at least 2006. Numerous subsurface investigations have been completed to assess the soil and groundwater on the property between 1989 and 2020. No evidence of a release associated with an off-site source has been documented in these reports. Based on the lack of a documented release associated with the former bulk ASTs and current exterior storage, PM has not identified this site as a REC.

South Adjoining Property

The south adjoining property currently consists of residential or vacant land. Review of historical records documents that six retail buildings were present on the property in 1921. Two of the buildings were occupied by a meat market and a boarding house in at least 1921. Four of the retail buildings were demolished between 1921 and 1928. The remaining retail buildings were demolished between 1949 and 1962. PM was unable to confirm the operations for all of the buildings. Based on the time that has passed since the former operations (between 58 and 92 years), the documented clay geology, the documented groundwater flow direction to the northwest (cross-gradient to the subject property), and the lack of reported releases, PM has not identified the lack of historic operations as a REC. The property has consisted of residential or vacant land since 1962.

West Adjoining Properties, across South Atlanta Avenue

The west adjoining property, identified as 110 South Atlanta Avenue, is occupied by commercial sales tenant. Review of historical records documents that the current building was constructed between 1928 and 1949, on previously vacant land. The building was occupied by a café in 2008 and has been occupied by the current tenant since at least 2019. PM was unable to document the use of the building between construction and 2007, and between 2009 and 2018. Based on the layout and size of the building, it is likely that the property has historically been occupied by various retail or restaurant tenants.

The west adjoining property consists of an asphalt parking lot with no associated address. Review of historical records documents that the property was used for the storage of steel window frames in 1962 and 1963. The property has been vacant of use since at least 1987.

The west adjoining property, identified as 200 South Atlanta Avenue, is occupied by a masonic lodge. Review of historical records documents that the current building was constructed between 1928 and 1949, on previously vacant land. The building was a restaurant between at least 1962 and 1968, a pool hall in 1978, and vacant in 1983. PM was unable to document the use of the building between 1984 and 1999. Based on the layout of the building it is likely that the building has historically been occupied by various restaurant or retail tenants. The building has been occupied by the current tenant since at least 2000.

9.0 REGULATORY RECORDS REVIEW

PM retained EDR to provide current regulatory database information compiled by a variety of federal and state regulatory agencies. A copy of the complete database is included in Appendix D. The following information was obtained:

Type	Regulatory Agency Database	Approximate Minimum Search Distance (AMSD)	Number of Sites within AMSD
Federal	National Priority List (NPL) Sites	1 mile	0
Federal	Delisted National Priority List (DNPL) Sites	½ mile	0
Federal	Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) Sites	½ mile	0
Federal	CERCLIS No Further Remediation Action Planned (NFRAP) Sites	subject property and adjoining properties	0
Federal	Resource Conservation and Recovery Act (RCRA) Corrective Action Report (CORRACTS) Sites	1 mile	1
Federal	RCRA non-CORRACTS Treatment, Storage or Disposal (TSD) Sites	½ mile	1
Federal	RCRA Large Quantity Generators (LQG) Sites	subject property and adjoining properties	0
Federal	RCRA Small Quantity Generators (SQG) Sites	subject property and adjoining properties	0
Federal	RCRA Very Small Quantity Generators (VSQG) Sites	subject property and adjoining properties	0
Federal	RCRA Non-Generators (NON-GEN) Sites	subject property and adjoining properties	2
Federal	US Brownfield Sites	½ mile	0
Federal	Institutional Control / Engineering Control Registries	subject property	1
Federal	Environmental Response and Notification System (ERNS)	subject property	0
State & Tribal	Hazardous Waste Sites (SHWS) (equivalents to NPL and CERCLIS)	1 mile	0
State & Tribal	Historical Hazardous Waste Sites (HIST HWS)	1 mile	0
State & Tribal	Solid Waste Facilities/Landfill Sites (SWLF)	½ mile	0
State & Tribal	Solid Waste Illegal Dumps (SWID)	½ mile	0
State & Tribal	Historical Landfill Sites (HIST LF)	½ mile	0
State & Tribal	Leaking Underground Storage Tank (LUST) Sites	½ mile	11
State & Tribal	Registered Underground Storage Tank (UST) Sites	subject property and adjoining properties	1
State & Tribal	Institutional Control / Engineering Control Registries	subject property	1
State & Tribal	Brownfield Sites	½ mile	0
State & Tribal	Spills	subject property	0

Type	Regulatory Agency Database	Approximate Minimum Search Distance (AMSD)	Number of Sites within AMSD
Sate & Tribal	Voluntary Cleanup Program (VCP) Sites	½ mile	0
Either	Unmappable Database Listings (a.k.a. Orphan Sites)	database-dependent	1

9.1: Subject Property and Occupant Listings

The regulatory database report identified the following listings for the subject property or its known occupants on the referenced databases:

Delta Automotive Inc./Abandoned/Bancon Inc. – The subject property is identified as a CORRACTS, RCRA-TSDF of hazardous wastes, a RCRA-NonGen of hazardous wastes, an EPA Watch List, a 2020 Corrective Action Program, an engineer and institutional controls, an Integrated Compliance Information System (ICIS), a Facility Index System/Facility Registry System (FINDS), and an Enforcement & Compliance History Information (ECHO) site. These listings are associated with the documented contamination at the subject property. Refer to Section 4.9 for a review of the subsurface assessments completed at the property.

Whatever it Takes Transmission – The subject property is identified as an EDR Exclusive Historic Auto Stations (Hist Auto) site. This site is associated with city directory listings. Refer to Section 6.0 for a summary of the history of the subject property.

9.2: Adjoining and Nearby Sites

PM's review of the referenced databases also considered the potential or likelihood of contamination from adjoining and nearby sites. To evaluate which of the adjoining and nearby sites identified in the regulatory database report present an environmental risk to the subject property, PM considered the following criteria:

- The type of database on which the site is identified.
- The topographic position of the identified site relative to the subject property.
- The direction and distance of the identified site from the subject property.
- Local soil conditions in the subject property area.
- The known or inferred groundwater flow direction in the subject property area.
- The status of the respective regulatory agency-required investigation(s) of the identified site, if any.
- Surface and subsurface obstructions and diversions (e.g., buildings, roads, sewer systems, utility service lines, rivers, lakes, and ditches) located between the identified site and the subject property.

Only those sites that are judged to present a potential environmental risk to the subject property and/or warrant additional clarification are further evaluated. Using the referenced criteria, and based upon a review of readily available information contained within the regulatory database report, PM did not identify adjoining (i.e., bordering) or nearby sites (e.g., properties within a ¼-mile radius) listed in the regulatory database report that were judged to present a potential environmental risk to the subject property, with the exception of the following:

Ready Mix USA Blue Star Division – This site is identified as being located on 14th Avenue Southwest and is the northeast adjoining vacant land. Review of the regulatory database indicates that the site is a closed UST site. PM attempted to review available ADEM file information, however, no files were available for review. Review of the database indicates that a 1,000-gallon UST and a 10,000-gallon UST (contents not reported) were installed at the property in 1954 and removed in 1988. Based on the lack of reported releases, the distance from the property to the subject property (approximately 220 feet across railroad tracks), the documented clay geology, and the documented groundwater flow direction to the northwest (away from the subject property), PM has not identified this site as a REC.

10.0 FINDINGS, OPINIONS AND CONCLUSIONS

10.1: De Minimis Condition

A de minimis condition, as defined in the ASTM Standard, is a condition that generally does not present a threat to human health or the environment and generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be de minimis are not RECs or CRECs. No de minimis conditions were identified during this assessment.

10.2: Significant Data Gaps

A data gap, as defined in the ASTM Standard, is a lack of or inability to obtain information required by the ASTM Standard despite good faith efforts by the environmental professional to gather such information. The environmental professional must then determine whether these gaps are significant. PM did not identify or encounter any instances of significant data gaps during the course of this ESA.

10.3: Historical Recognized Environmental Conditions (HRECs)

An HREC, as defined in the ASTM Standard, is a past release of hazardous substances or petroleum products that has occurred in connection with the subject property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted residential use criteria established by a regulatory authority, without subjecting the subject property to any required controls. PM has not identified any HRECs in association with the subject property.

10.4: Recognized Environmental Conditions (RECs)

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527-13 of the Delta Automotive Property located at 103 South Atlanta Avenue, Sheffield, Colbert County, Alabama, the property. Any exceptions to, or deletions from, this practice are described in Section 1.4 of this report. This assessment has revealed no evidence of recognized environmental conditions connected with the property except the following:

- The subject property was occupied by Delta Automotive and utilized for automotive parts refurbishing from 1971 to 1997. Operations included the use of hazardous substances and/or petroleum products. In 1997/1998 a WCU was constructed and completed on the property. This WCU contains contaminated soil generated from excavations on the

property, attributed to the former Delta Automotive operations. The WCU was granted closure by the ADEM in 1998. As part of the closure, continued groundwater monitoring of the unit was required. Documentation up to 2020 documents continued groundwater contamination on the subject property. Additionally, soil contamination likely remains within the WCU.

No adjoining and/or nearby RECs have been identified.

10.5: Controlled Recognized Environmental Conditions (CRECs)

A CREC, as defined in the ASTM Standard, is a recognized environmental condition (REC) resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls. The following CREC was identified during completion of this Phase I ESA:

- As discussed in the REC section above, the WCU was granted closure with continuing obligations, including monthly inspections of the WCU, semi-annual measuring of groundwater elevations and sampling of on-site monitoring wells. Based on the closed status of the WCU, engineering and institutional controls, and the documented site assessment activities which were adequate to assess the contamination on site, PM has identified the closed WCU as a CREC.

10.6: Recommendations

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527-13 of the Delta Automotive Property located at 103 South Atlanta Avenue, Sheffield, Colbert County, Alabama, the property. Any exceptions to, or deletions from, this practice are described in Section 1.4 of this report. This assessment has revealed no evidence of recognized environmental conditions connected with the property except as listed in Section 10.4 of this report.

The current owner of the property is required to complete monthly inspections of the WCU, to have groundwater elevations measured semi-annually for all associated monitoring wells, and to have monitoring wells sampled semi-annually as discussed in the 2009 ADEM Pre-CERCLIS Screening Assessment. Additionally, specific requirements are in place for the WCU in the event of future construction activities. PM recommends that the owner comply will all current and future continuing obligations.

11.0 NON-ASTM SCOPE CONSIDERATIONS/BUSINESS ENVIRONMENTAL RISKS

PM has included a discussion of Non-ASTM Scope Considerations based upon industry standards and lender requirements. A Business Environmental Risk is defined as a risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated in this practice.

Non-ASTM Item	Observations or Information
Potential Asbestos Containing Materials (ACMs)	Based on PM's limited visual observations during the site reconnaissance, suspect ACMs identified included vinyl floor tiles, drywall walls, and acoustical ceiling tiles. The materials appeared to be in good condition. It is understood that significant interior renovations are planned. Therefore, PM recommends the completion of an ACM survey to determine if asbestos is present in the building materials that will be disturbed. PM can provide a proposal to complete this scope of work at the request of the client.
Lead Based Paint (LBP)	Based on the construction of portion of the subject property prior to 1978 when Federal regulations banned the use of LBP, there is the potential for existing paint to be lead based. However, the painted surfaces were observed to be in generally good condition, the subject property is not a residential use, and there is no regulatory requirement to sampled suspected LBP surfaces at this time. Therefore, no further action is recommended regarding suspected LBP at the subject property. If a more definitive determination for LBP is preferred, PM can provide a scope of work to address.
Visual Mold or Significant Moisture Damage	PM performed a limited visual assessment for the presence of mold, conditions conducive to mold, and evidence of moisture in readily accessible interior areas of the subject property. PM did not note obvious visual indications of the presence of mold, conditions conducive to mold, or evidence of moisture in readily accessible interior areas of the subject property.

12.0 SIGNATURE(S) OF ENVIRONMENTAL PROFESSIONAL(S)

We declare that, to the best of our professional knowledge and belief, we meet the definition of *Environmental professional* as defined in §312.10 of 40 CFR 312 and we have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed the all appropriate inquires in conformance with the standards and practices set forth in 40 CFR Part 312.



Erica Shuff
Project Consultant



Beth Sexton
Chief Operating Officer

13.0 REFERENCES

The following published sources were utilized during completion of this Phase I ESA:

- *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process,* ASTM, ASTM Designation E 1527-13, Published November 2013.

- EDR Digital Archive Directories, obtained from Environmental Data Resources, Inc. (EDR), Milford, Connecticut. City: Sheffield. Years: 1992-2014.

- Polk's City Directory, obtained from EDR, Milford, Connecticut. City: Sheffield. Years: 1964-1988.

- United States Geological Survey Division (U.S.G.S.) 7.5-Minute Topographic Map of the Florence, Alabama Quadrangle, 1971.

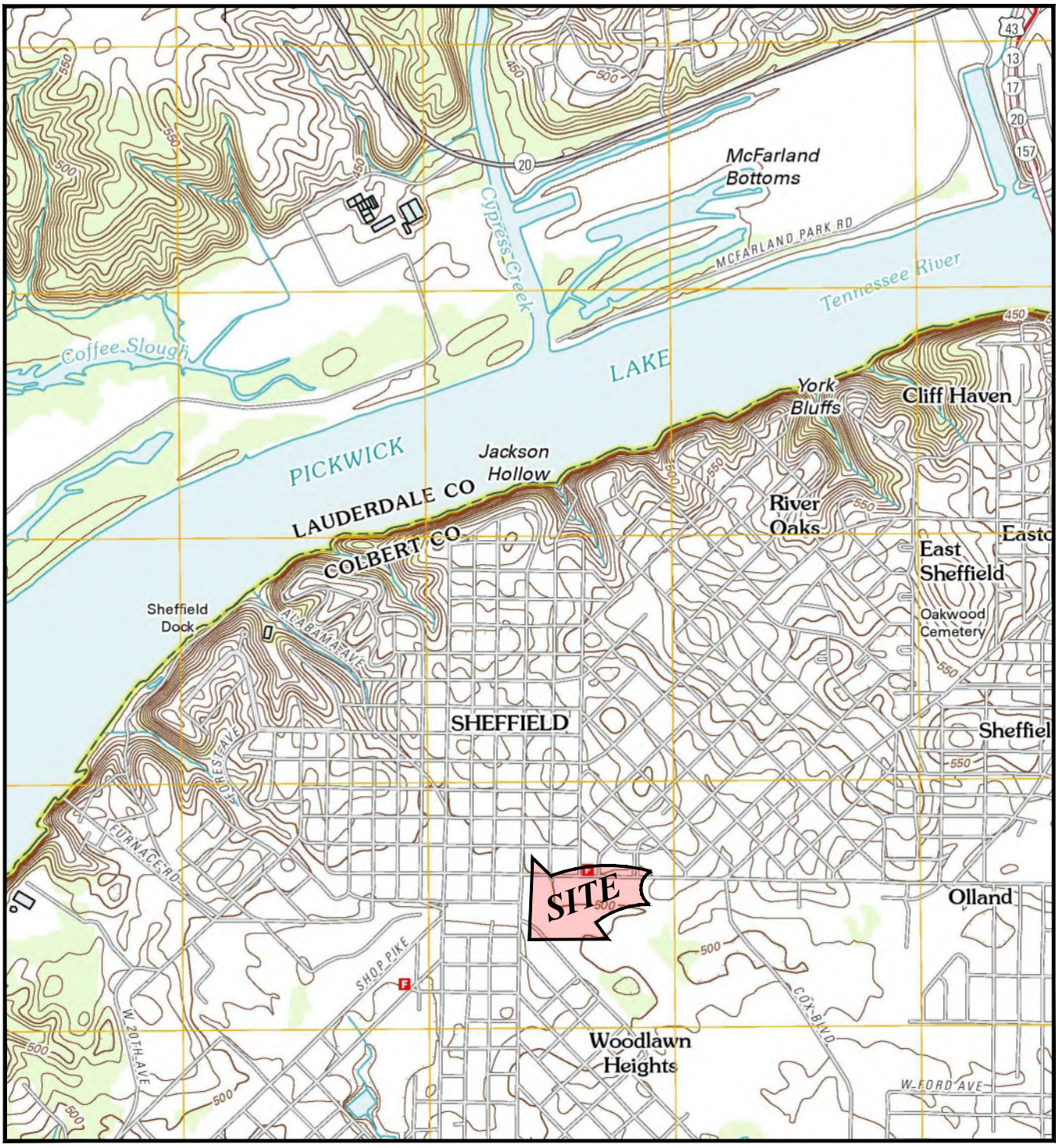
- United States Department of Agriculture, Custom Soil Survey of Colbert County, Alabama (survey area data: September 16, 2019).

In addition, PM reviewed the following previous site investigations, some of which are available from public sources.

Name of Report	Date of Report	Company that Prepared Report
Contamination Assessment	8-15-1990	Gallet and Associates, Inc. (Gallet)
Groundwater Investigation	6-3-1991	Gallet
Groundwater Quality Assessment	6-2-1992	Gallet
RCRA Facility Assessment	7-7-2000	Tetra Tech EM Inc.
Confirmatory Sampling	10-25-2002	Highland Technical Services, Inc. (HTSI)
Semi-Annual Groundwater Monitoring Report	10-26-2001	HTSI
Additional Soil Investigation	2-28-2004	Gallet
Pre-CERCLIS Screening Assessment	9-9-2009	Alabama Department of Environmental Management (ADEM)
Phase II ESA	1-31-2020	PM

Figures

PM ENVIRONMENTAL Environmental & Engineering Services





ALABAMA COUNTY LOCATIONS

COLBERT COUNTY

FIGURE 1

PROPERTY VICINITY MAP

UNITED STATES GEOLOGICAL SURVEY, 7.5 MINUTE SERIES

FLORENCE, AL QUADRANGLE, 2011.

PM ENVIRONMENTAL | Environmental & Engineering Services

PROJ:
DELTA AUTOMOTIVE
103 SOUTH ATLANTA AVENUE
SHEFFIELD, AL

THIS IS NOT A LEGAL SURVEY

VERIFY SCALE
0 2,000'
IF NOT 1" ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRN BY: ES	DATE: 3/15/2019
CHKD BY: JH/ES	SCALE: 1" = 2,000'
FILE NAME: 07-3738-0 WO35F00R00	



PM ENVIRONMENTAL | Environmental & Engineering Services

FIGURE 2

GENERALIZED DIAGRAM OF THE SUBJECT PROPERTY AND ADJOINING PROPERTIES

PROJ:

DELTA AUTOMOTIVE
103 SOUTH ATLANTA AVENUE
SHEFFIELD, AL

THIS IS NOT A LEGAL SURVEY	DRN BY: ES	DATE: 1/20/2020
VERIFY SCALE 0 60' IF NOT 1" ON THIS SHEET, ADJUST SCALES ACCORDINGLY.	CHKD BY: JH/ES	SCALE: 1" = 60'
	FILE NAME: 07-3738-0 W035F00R00	

Appendix A

PM ENVIRONMENTAL Environmental & Engineering Services

SITE PHOTOGRAPHS

Photographs From Site Reconnaissance
PM Project No. 07-3738-0 WO35
Location: 103 South Atlanta Avenue, Sheffield, Alabama

Photograph 1



View of the northwest face of the building

Photograph 2



View of the southwestern face of the building

Photographs From Site Reconnaissance
PM Project No. 07-3738-0 WO35
Location: 103 South Atlanta Avenue, Sheffield, Alabama

Photograph 3



View of the southeastern face of the building

Photograph 4



View of the northeast face of the building

Photographs From Site Reconnaissance
PM Project No. 07-3738-0 WO35
Location: 103 South Atlanta Avenue, Sheffield, Alabama

Photograph 5



View of the office area

Photograph 6



View of the warehouse area

Photographs From Site Reconnaissance
PM Project No. 07-3738-0 WO35
Location: 103 South Atlanta Avenue, Sheffield, Alabama

Photograph 7



View of a monitoring well near the WMU

Photograph 8



View of the warehouse area

Photographs From Site Reconnaissance
PM Project No. 07-3738-0 WO35
Location: 103 South Atlanta Avenue, Sheffield, Alabama

Photograph 9



View of the warehouse area

Photograph 10



View of the south adjoining junk yard

Photographs From Site Reconnaissance
PM Project No. 07-3738-0 WO35
Location: 103 South Atlanta Avenue, Sheffield, Alabama

Photograph 11



View of the west adjoining commercial sales building

Photograph 12



View of the west adjoining masonic lodge

Photographs From Site Reconnaissance
PM Project No. 07-3738-0 WO35
Location: 103 South Atlanta Avenue, Sheffield, Alabama

Photograph 13



View of the south adjoining residential dwellings

Photograph 14



View of the northeast adjoining property

Appendix B

PM ENVIRONMENTAL Environmental & Engineering Services

SOIL SURVEY INFORMATION

United States Department of Agriculture

NRCS

Natural Resources Conservation Service

A product of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local participants

Custom Soil Resource Report for Colbert County, Alabama



December 10, 2019

Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (https://offices.sc.egov.usda.gov/locator/app?agency=nrcs) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or a part of an individual's income is derived from any public assistance program. (Not all prohibited bases apply to all programs.) Persons with disabilities who require

alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD). To file a complaint of discrimination, write to USDA, Director, Office of Civil Rights, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410 or call (800) 795-3272 (voice) or (202) 720-6382 (TDD). USDA is an equal opportunity provider and employer.

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How Soil Surveys Are Made

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil

scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

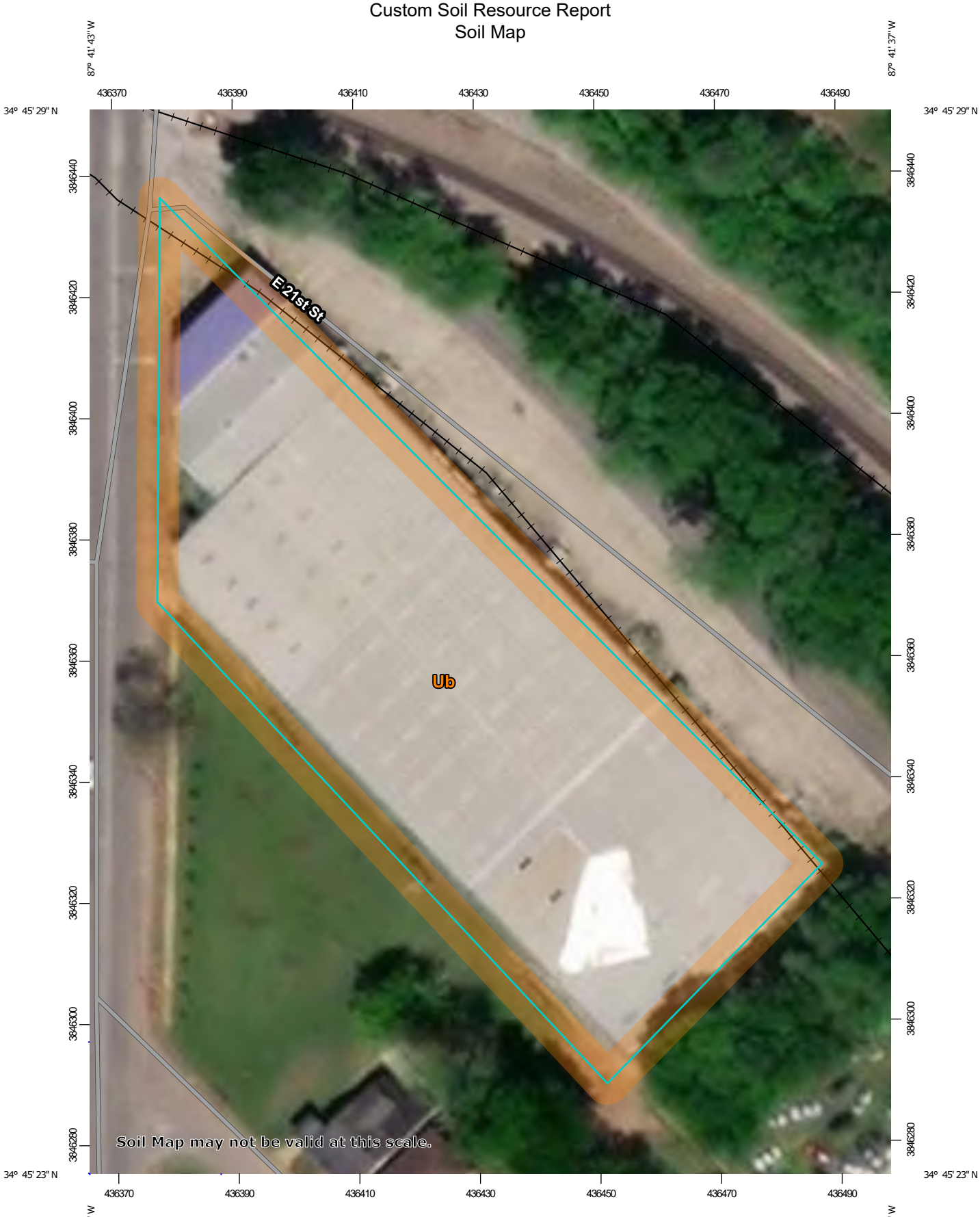
After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and

identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

Custom Soil Resource Report
Soil Map



Map Scale: 1:857 if printed on A portrait (8.5" x 11") sheet.

N

Meters
0 10 20 40 60

Feet
0 40 80 160 240

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 16N WGS84

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Colbert County, Alabama
Survey Area Data: Version 12, Sep 16, 2019

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Oct 14, 2015—Jun 26, 2017

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
Ub	Urban land	1.6	100.0%
Totals for Area of Interest		**1.6**	**100.0%**

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Colbert County, Alabama

Ub—Urban land

Map Unit Setting

National map unit symbol: c11m
Elevation: 620 to 1,200 feet
Mean annual precipitation: 50 to 60 inches
Mean annual air temperature: 57 to 61 degrees F
Frost-free period: 190 to 210 days
Farmland classification: Not prime farmland

Map Unit Composition

Urban land: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Urban Land

Setting

Landform: Flats

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 8s
Hydric soil rating: No

Minor Components

Decatur

Percent of map unit: 4 percent
Landform: Ridges
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Side slope
Down-slope shape: Convex
Across-slope shape: Convex
Hydric soil rating: No

Emory, ponded

Percent of map unit: 4 percent
Landform: Depressions
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Dip
Down-slope shape: Concave
Across-slope shape: Concave
Hydric soil rating: No

Etowah

Percent of map unit: 4 percent
Landform: Stream terraces
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Tread
Down-slope shape: Convex
Across-slope shape: Linear
Hydric soil rating: No

Guthrie

Percent of map unit: 3 percent
Landform: Flood plains
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Talf
Down-slope shape: Concave
Across-slope shape: Concave
Hydric soil rating: Yes

Soil Information for All Uses

Soil Reports

The Soil Reports section includes various formatted tabular and narrative reports (tables) containing data for each selected soil map unit and each component of each unit. No aggregation of data has occurred as is done in reports in the Soil Properties and Qualities and Suitabilities and Limitations sections.

The reports contain soil interpretive information as well as basic soil properties and qualities. A description of each report (table) is included.

Soil Qualities and Features

This folder contains tabular reports that present various soil qualities and features. The reports (tables) include all selected map units and components for each map unit. Soil qualities are behavior and performance attributes that are not directly measured, but are inferred from observations of dynamic conditions and from soil properties. Example soil qualities include natural drainage, and frost action. Soil features are attributes that are not directly part of the soil. Example soil features include slope and depth to restrictive layer. These features can greatly impact the use and management of the soil.

Soil Features

This table gives estimates of various soil features. The estimates are used in land use planning that involves engineering considerations.

A *restrictive layer* is a nearly continuous layer that has one or more physical, chemical, or thermal properties that significantly impede the movement of water and air through the soil or that restrict roots or otherwise provide an unfavorable root environment. Examples are bedrock, cemented layers, dense layers, and frozen layers. The table indicates the hardness and thickness of the restrictive layer, both of which significantly affect the ease of excavation. *Depth to top* is the vertical distance from the soil surface to the upper boundary of the restrictive layer.

Subsidence is the settlement of organic soils or of saturated mineral soils of very low density. Subsidence generally results from either desiccation and shrinkage, or oxidation of organic material, or both, following drainage. Subsidence takes place gradually, usually over a period of several years. The table shows the expected

initial subsidence, which usually is a result of drainage, and total subsidence, which results from a combination of factors.

Potential for frost action is the likelihood of upward or lateral expansion of the soil caused by the formation of segregated ice lenses (frost heave) and the subsequent collapse of the soil and loss of strength on thawing. Frost action occurs when moisture moves into the freezing zone of the soil. Temperature, texture, density, saturated hydraulic conductivity (Ksat), content of organic matter, and depth to the water table are the most important factors considered in evaluating the potential for frost action. It is assumed that the soil is not insulated by vegetation or snow and is not artificially drained. Silty and highly structured, clayey soils that have a high water table in winter are the most susceptible to frost action. Well drained, very gravelly, or very sandy soils are the least susceptible. Frost heave and low soil strength during thawing cause damage to pavements and other rigid structures.

Risk of corrosion pertains to potential soil-induced electrochemical or chemical action that corrodes or weakens uncoated steel or concrete. The rate of corrosion of uncoated steel is related to such factors as soil moisture, particle-size distribution, acidity, and electrical conductivity of the soil. The rate of corrosion of concrete is based mainly on the sulfate and sodium content, texture, moisture content, and acidity of the soil. Special site examination and design may be needed if the combination of factors results in a severe hazard of corrosion. The steel or concrete in installations that intersect soil boundaries or soil layers is more susceptible to corrosion than the steel or concrete in installations that are entirely within one kind of soil or within one soil layer.

For uncoated steel, the risk of corrosion, expressed as *low*, *moderate*, or *high*, is based on soil drainage class, total acidity, electrical resistivity near field capacity, and electrical conductivity of the saturation extract.

For concrete, the risk of corrosion also is expressed as *low*, *moderate*, or *high.* It is based on soil texture, acidity, and amount of sulfates in the saturation extract.

Soil Features–Colbert County, Alabama									
Map symbol and soil name	**Restrictive Layer**				**Subsidence**		**Potential for frost action**	**Risk of corrosion**	
	Kind	**Depth to top**	**Thickness**	**Hardness**	**Initial**	**Total**		**Uncoated steel**	**Concrete**
		Low-RV-High	*Range*		*Low-High*	*Low-High*			
		In	*In*		*In*	*In*			
Ub—Urban land									
Urban land		—	—		—	0			
Decatur		—	—		0	0	None	High	Moderate
Emory, ponded		—	—		0	0	None	Moderate	Moderate
Etowah		—	—		0	0	None	Moderate	Moderate
Guthrie	Fragipan	16-23-47	25-50	Noncemented	0	0	None	High	High

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AERIAL PHOTOGRAPHS


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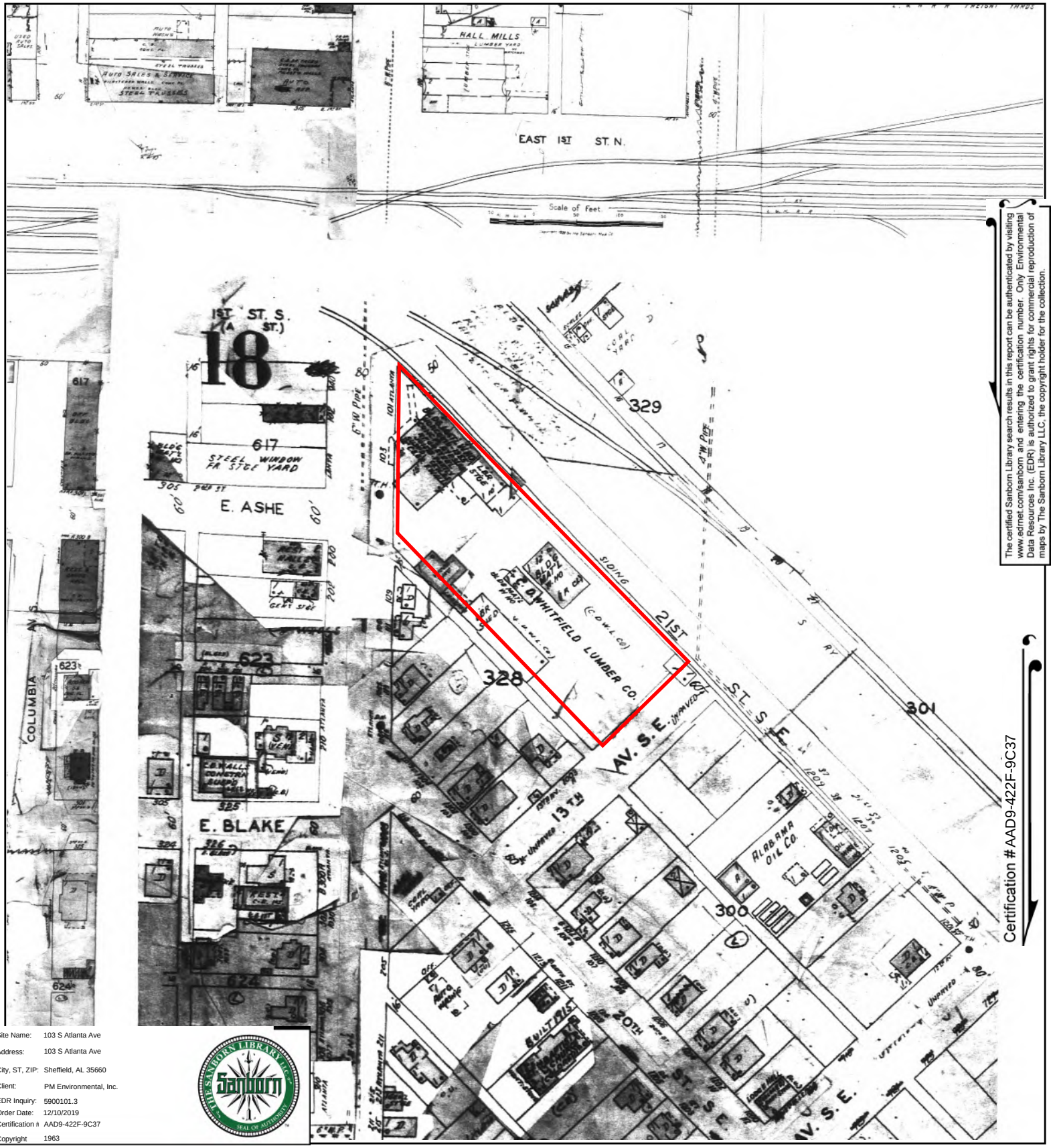
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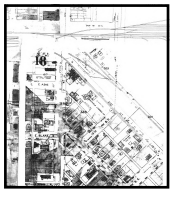
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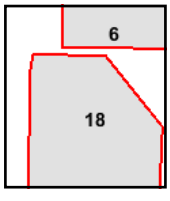
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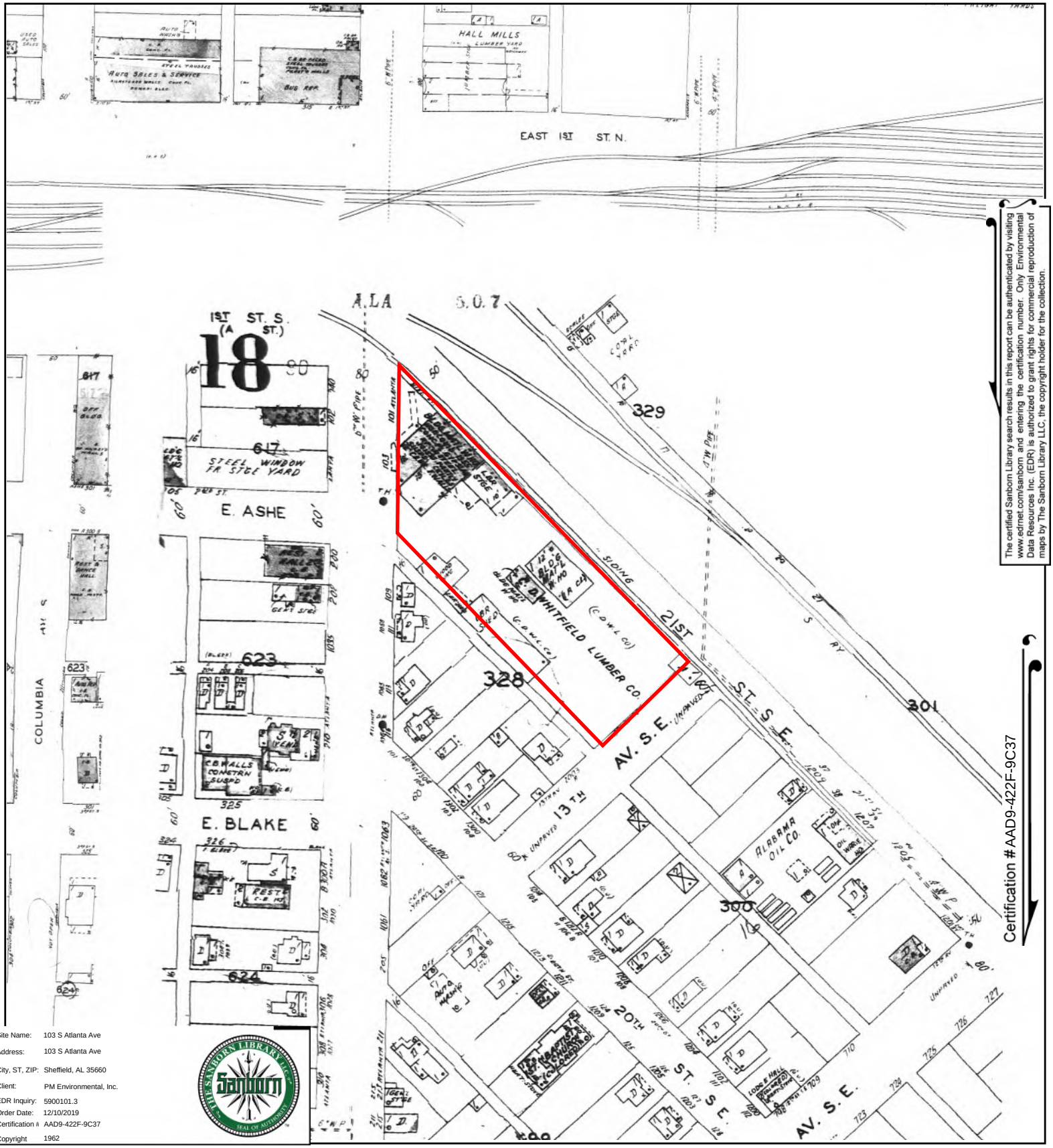
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Volume 1, Sheet 18
Volume 1, Sheet 6

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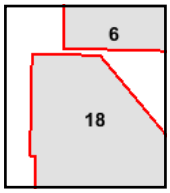
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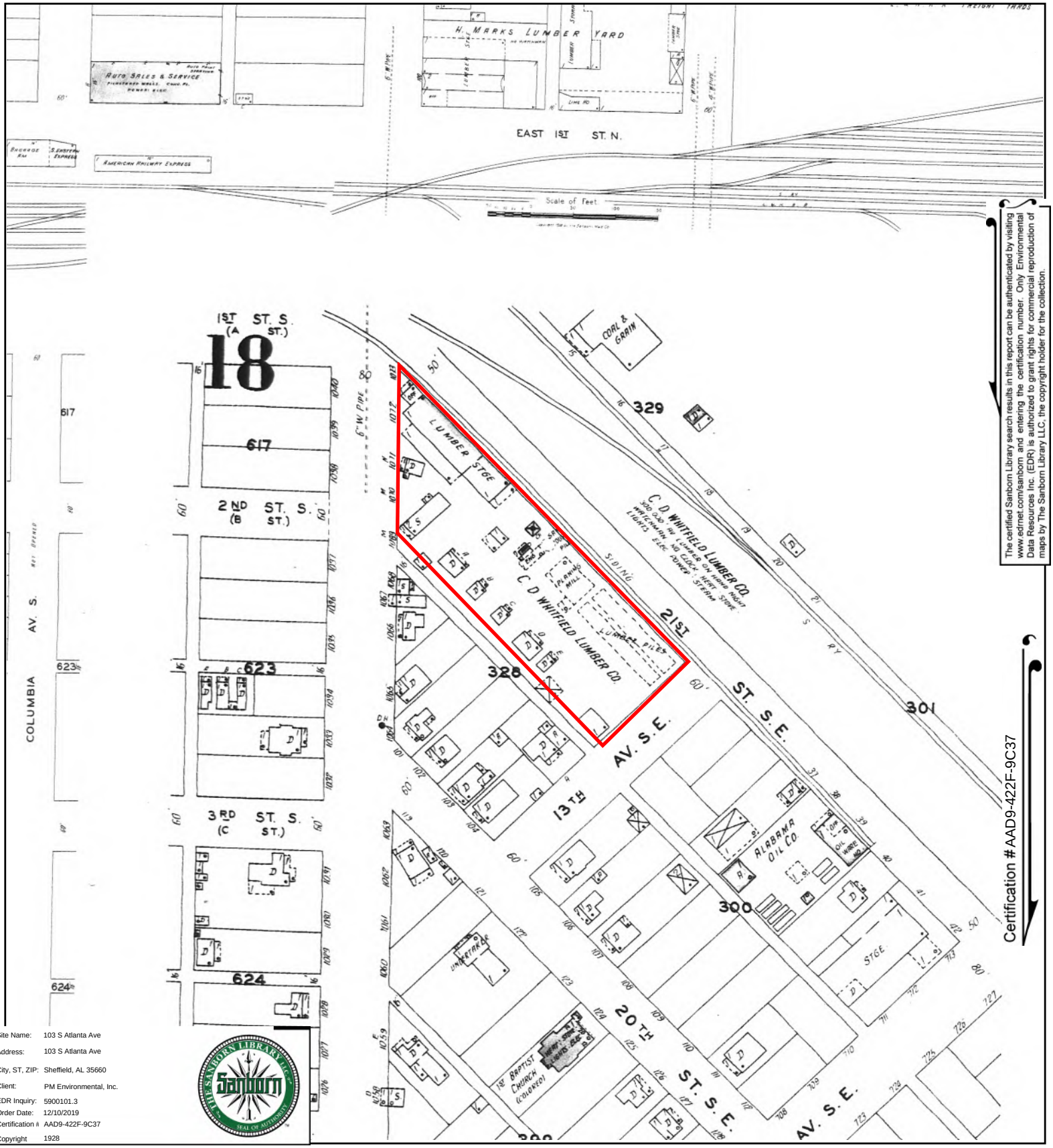
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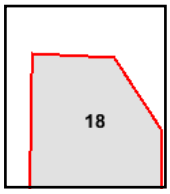
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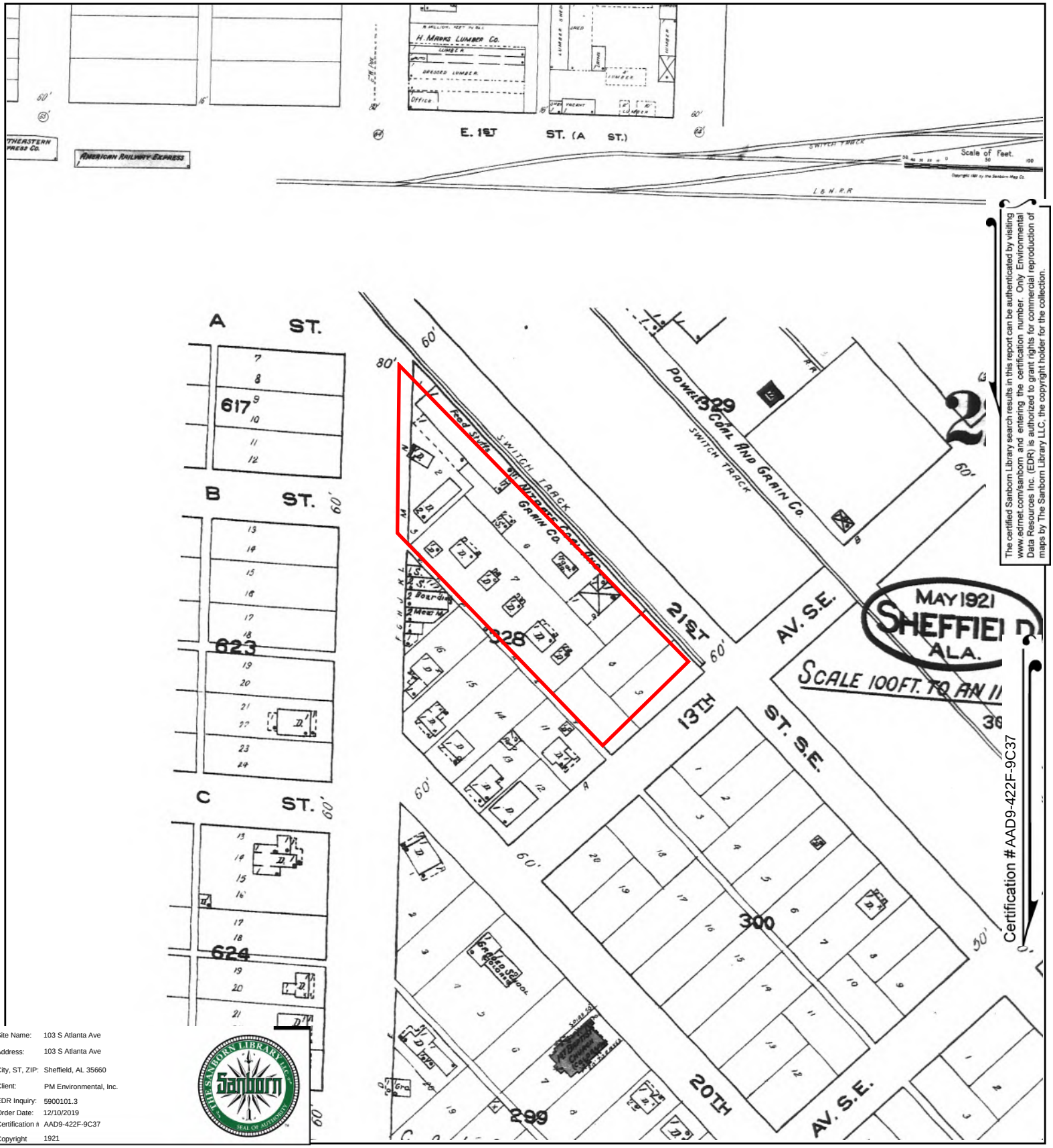
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Volume 1, Sheet 18

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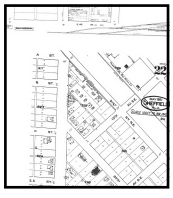


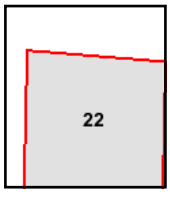
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Site Name:	103 S Atlanta Ave
Address:	103 S Atlanta Ave
City, ST, ZIP:	Sheffield, AL 35660
Client:	PM Environmental, Inc.
EDR Inquiry:	5900101.3
Order Date:	12/10/2019
Certification #:	AAD9-422F-9C37
Copyright	1921

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Outlined areas indicate map sheets within the collection.

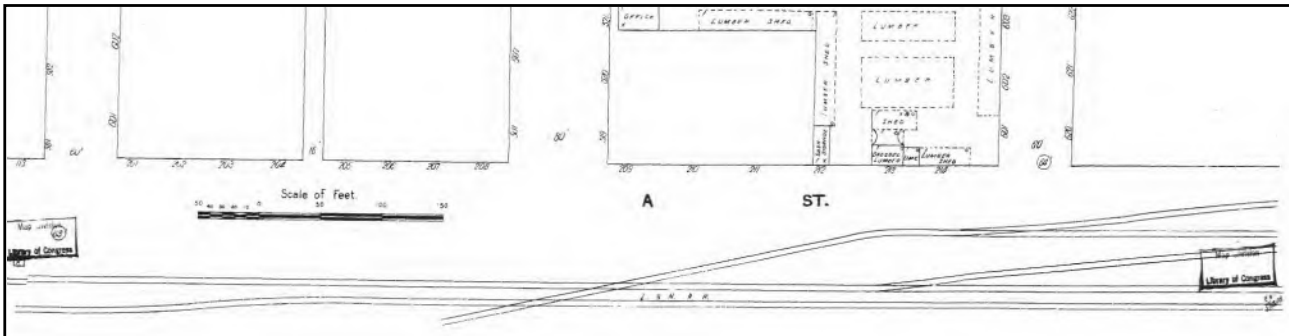
0 Feet 150 300 600





Volume 1, Sheet 22

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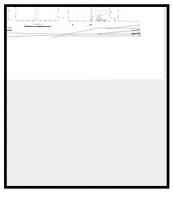
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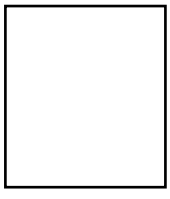
Certification #AAD9-422F-9C37

Site Name: 103 S Atlanta Ave
Address: 103 S Atlanta Ave
City, ST, ZIP: Sheffield, AL 35660
Client: PM Environmental, Inc.
EDR Inquiry: 5900101.3
Order Date: 12/10/2019
Certification #: AAD9-422F-9C37
Copyright 1908

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600





N

ASSESSING DEPARTMENT RECORDS

Property Record Card For Parcel Number 0708331007001000

Owner Name and Mailing Address	PIN 36509	Property Address
STATE OF ALABAMA TAX SALE2012 DEPARTMENT OF REVENUE MONTGOMERY, AL36104	Parcel Number 0708331007001000 Subdivision SHEFFIELD /1-104 & 1-112	0 Previous Owner

Acct # 25774	Land Value: $37,720	Total Acres 0.00
Tax Dist 03	Improvement Value: $255,700	Assessment Value: $58,680
Exemptions	Total Appr Value: $293,420	Tax Due for 2018 $0.00
	Current Use Value: $0	Date Paid

Brief Legal Description
LOTS 1 THRU 10 BLK 328 SHEFFIELD 504.5 X 149.5 IRR /DB 2008- 03 PG 532-533 & DB 2011 PG 26254-26257 & C-R-1891-2012 /SD 4 1 PG 8-BRAL HOLDINGS LLC

Land Values PIN: 36509 Parcel Number: 0708331007001000

Use Code 0

Land Pricing Desc OVER

Total Acres	0.00	Use Value	$37,720
Land Factor	1.00	Adj Override	$0
Tax Class	2	Total Appr Value	$37,720

Total Acres 0.00 **Total Appraised Value $293,420**

Improvement Details PIN: 36509 Parcel Number: 0708331007001000

Improvement 1

BOE Value	$0	Year Built	0	Bldg Prim Code	WAREHOUSE, STORAGE
Override Value	$0	Effective Year Built	0		

Extra Features

Exterior	Roof Type	Roof Material
C. B., 8" PLAIN - 25	HIP-GABLE - 100	C. B., 8" PLAIN - 25
BRICK ON MASONRY - 75		BRICK ON MASONRY - 75

Interior	Floors	Foundation
UNFINISHED - 50	CONCRETE ON GRAD - 75	
WOOD PANELS - 25	TERRAZZO - 25	
ACOUSTICAL CEILI - 25		

Building Area

Stories.....1.0
Base.....51396
2ndStory.....0
Adjusted.....51598
Total.....0
Cost/sqft....$49.56

Building Calculations

EFF Year.....0
Class.....D
Bld Code.....637
Units.....76
Base Rate.....$48
Adj Rate.....$37
Basic Cost.....$2,458,704

Improvement Summary PIN: 36509 Parcel Number: 0708331007001000

Impr	Code	Description	Subtotal	Size	Rate	Replacement Cost	Cond	Class	Final Value
637		WAREHOUSE, STORAGE	$2,458,704	51396	$36.84	$2,557,052	10%	2	$255,700

Sales PIN: 36509 Parcel Number: 0708331007001000

Sale 1

Date Sold	1/14/2008	Use Code	0	Confrim Code	FORM
Acres Sold	0.00	Use on Sale	Y	Source	
Land Price	$0	Multi Parcel Sale		Deed Book	2008
Improvement Price	$0	Mortgage Amount	#Error	Deed Page	0000532
Total Price	$450,000	Consideration	$450,000	Deed Date	0/0/0
Comments					

Sale 2

Date Sold	5/24/2019	Use Code	0	Confrim Code	
Acres Sold	0.00	Use on Sale	N	Source	MAPPING
Land Price	$0	Multi Parcel Sale		Deed Book	2019
Improvement Price	$0	Mortgage Amount	#Error	Deed Page	0015789
Total Price	$0	Consideration	$0	Deed Date	5/24/2019
Comments					

Sale 3

Date Sold	7/3/2019	Use Code	6370	Confrim Code	FORM
Acres Sold	0.00	Use on Sale	N	Source	MAPPING
Land Price	$0	Multi Parcel Sale	N	Deed Book	2019
Improvement Price	$0	Mortgage Amount	#Error	Deed Page	0020665
Total Price	$15,000	Consideration	$0	Deed Date	7/3/2019

Comments
CITY

Appendix C

PM ENVIRONMENTAL Environmental & Engineering Services

PREVIOUS SITE INVESTIGATION

Gallet and Associates, Inc.

Geotechnical / Geological / Environmental / Materials Consultants
202 Scotch Drive, P.O.Box 380633, Birmingham, AL 35238-0633
Phone: (205) 995-8980 FAX: (205) 991-7982

August 15, 1990

Delta Automotive, Inc.
103 South Atlanta
Sheffield, Alabama 35660

Attn: Mr. Ben Law

SUBJECT:
Contamination Assessment
Delta Automotive
Sheffield, Alabama
Project No. 90E14975.1

Dear Mr. Law:

Gallet & Associates, Inc. is pleased to provide you with this report of our contamination assessment at the subject site. The purpose of this assessment is to determine the vertical and horizontal extent of soil contamination beneath the site.

Work performed at the site was initiated in 1989 at the request of Delta Automotive, Inc. following its receipt of a Notice of Violation (NOV) issued by the Department of Environmental Management (ADEM) dated May 16, ~~1990~~. However, this effort was not mandated by ADEM. Surface sampling performed on June 16, 1989 from 0.0 to 24.0 inches in depth was conducted on areas suspected to be contaminated by Volatile Organic Compounds (VOCs). Findings of this testing indicated contamination in these area down to depths of 24.0 inches. These areas of concern were the focus of this investigation.

This contamination assessment consisted of samples taken from 14 soil borings located over the plant area. These samples were analyzed for VOCs to determine the extent of contamination over the site.

AUG 1990
RECEIVED
ADEM
LAND DIVISION

Results of our research at this site show that the contamination of site soils is at this time found at depth in two past drum storage areas and limited and restricted within site boundaries. We have found no evidence of offsite contaminant migration; laboratory analyses of downgradient soils have shown no contamination.

The most extensive contamination was found in the central portion of the property, adjacent to the wood frame structure originally used as the parts disassembly area. Contamination in this area was found to a depth of 20.0 feet below ground surface (boring B-9) just east of the building.

Surface contamination is present at other areas of concern as determine by the first phase of sampling; of these areas, only one (boring B-7) revealed contamination at depth. This area is located just west of the present plant operations building.

Given the nature of the residual clay materials found beneath the site, lateral migration of these contaminants is believed to be minimal. Any remedial measures necessary at this facility will likely be confined to the plant property.

Gallet & Associates, Inc. appreciates the opportunity of working with company on this project. Please contact us at (205) 995-8980 if you have any questions or require additional information concerning this matter.

Sincerely,

GALLET & ASSOCIATES, INC.

William W. Cooch
Project Geologist

Mary S. Moran, C.P.G., P.G.
Vice President

Wendy Johnston

INTRODUCTION

At the request of Mr. Ben Law, Gallet & Associates, Inc. conducted a Contamination Assessment (CA) at the Delta Automotive, Inc. parts remanufacturing plant located in Sheffield, Alabama. The CA was initiated following the discovery of surface contamination associated with several drum storage areas located on the plant property.

On June 21, 1990 a further investigation of the site was initiated in an attempt to determine and quantify the contaminant levels as well as the vertical and lateral extent of contamination beneath the site. During the CA, fourteen borings were drilled to accommodate the collection of soil. Samples were collected at 2.5, 5.0, and 10.0 feet. One boring (B-9) warranted further drilling due to evidence of contamination during field screening procedures. Additional samples were collected from depths of 15.0 and 20.0 feet.

Samples collected from 2.5 feet were analyzed for Volatile Organic Compounds (VOCs), Method 8240. When samples returned VOC concentrations greater than the method detection limit, analysis of the sample from the next depth of that boring was performed, and so on.

SITE LOCATION AND DESCRIPTION

The project site is located in Township 11 South, Range 3 West, Section 33, at 103 South Atlanta Avenue in Sheffield, Colbert County, Alabama. (Figure 1). Light commercial development and retail establishments are located to the north. An Exxon bulk petroleum plant is located to the east with residential development to the south and southwest of the site.

The property was originally the site of a sawmill and lumberyard and presently is used as to an automotive parts remanufacturing facility. The site property is very level, with surface drainage toward the south and southwest. Several structures are located on the property. These structures consist of two metal buildings comprising the plant remanufacturing building to the east and a warehouse in the west central portion of the property. The main office is located at the western property boundary along South Atlanta Avenue and contiguous with the warehouse area. Two very old brick and wood frame structures are present in the central portion of the property and are associated with saw mill operation previously located at the site.

SITE GEOLOGY

The site is located within the Interior Low Plateaus Physiographic Province of Alabama and is directly underlain by the Tuscumbia Limestone of Mississippian Age. The Tuscumbia is typically composed of light-gray, oolitic, fossiliferous, cherty limestone. The thickness of this formation varies aerially due to dissolution of the of carbonate in this unit by groundwater.

Residual soils encountered during drilling consisted of reddish-brown to brown, stiff, cherty plastic clay.

DRILLING AND SAMPLING

Fourteen soil borings were drilled on June 12, 1990 to obtain soil samples for VOC analysis. These borings were advanced to a depth of 10 feet with 3 samples being taken from each boring. Samples were collected at depths of 2.5, 5.0 and 10.0 feet and field screened with a Hnu photoionizing detector to determine the presence of volatiles in each sample. A total of 42 samples were collected from the 14 soil borings using a split spoon sampler. Soils were placed in 4 ounce glass jars with Teflon-lined lids, properly labeled and stored at 4 degrees

Celcius. Samples with proper Chain-of Custody were received at Southern Petroleum Laboratories in Lafayette Louisiana on June 22, 1990. Laboratory results are included in Appendix A with copies of each Chain-of-Custody included in Appendix B.

One boring (B-9) located just east of the original parts disassembly building was advanced to a depth of 20.0 feet with 2 extra samples obtained from 15.0 and 20.0 feet. With contamination evident during field screening of the sample taken from 10.0 feet, the boring was advanced with another sample taken at 15.0. Contamination was also evident in this sample warranting one more sample be collected from 20.0 feet. Field screening revealed no further evidence of contamination in the final sample, collected at a depth of 20.0 feet. Surface sample and boring locations are shown on Figure 1A.

GROUNDWATER AND FLOW DIRECTION

Groundwater was not encountered in any of the 14 borings advanced at the subject site. Groundwater is estimated to be at a depth of greater than 50 feet below ground surface in the vicinity of the site.

Groundwater flow direction was estimated using topographic features and local drilling information. Groundwater flow is believed to be to the south beneath the site.

SUBSURFACE SOIL CONDITIONS

Initial surface samples from the former drum storage areas were taken by Mid-South Testing, Inc. on June 16, 1989. These samples were obtained from 0.0 to 2.0 feet in depth and analyzed for VOC concentrations. Several areas of concern were determined following the results of this analysis. These areas of concern were the focus of our investigation. Surface sampling laboratory results are included in Appendix C.

Soil samples were taken on June 21, 1990 from borings B-1 through B-14, to determine the subsurface soil conditions at the project site. Three samples were obtained from each boring, advanced to a depth of 10.0 feet unless field screening indicated contamination from the 10.0 foot sample. Samples from one boring (B-9), needed to be taken from depths of 15.0 and 20.0 feet due to contamination from more shallow samples evident during field screening procedures.

Samples were labeled so as to correspond with the depth from which they were taken. Samples with the suffix of A correspond to a sample taken from 2.5 feet, samples labeled "B" were taken from 5.0 feet, "C" from 10.0 feet, and so on.

Analytical results are shown in Table 1. The results indicate that contaminant concentrations in site soils are highest in the areas of boring locations B-7 and B-9. Figures 2a through 2f illustrate the approximate lateral extent of contamination by total VOCs with each sampling interval. Samples from 2.5 feet indicated the broadest lateral extent of contamination as would be anticipated given the results of the previous surface sampling effort at this site. Contamination was found to decrease laterally with depth over the subject property indicating slow migration of contaminants vertically through the soil column.

Samples from boring B-7, located just west of the plant building, showed contamination at a depth of 10.0 feet beneath a former drum storage area found at this location. Samples from boring B-9 revealed contamination to a depth of 20.0 feet. This area is believed to be the site of past drum storage and may also be associated with parts disassembly activities previously performed in the brick and wood frame building just west of the boring.

Table 1. Soil Analyses

Sample	Depth	Total VOC Concentrations (*ppb)
B-1A	2.5'	< DL*
B-2A	2.5'	< DL
B-3A	2.5'	< DL
B-4A	2.5'	< DL
B-5A	2.5'	< DL
B-6A	2.5'	< DL
B-7A	2.5'	27000
B-7B	5.0'	No Recovery
B-7C	10.0'	35100
B-8A	2.5'	65
B-8B	5.0'	< DL
B-9A	2.5'	11600
B-9B	5.0'	11400
B-9C	10.0'	15400
B-9D	15.0'	7100
B-9E	20.0'	98
B-10A	2.5'	< DL
B-10B	5.0'	< DL
B-10C	10.0'	< DL
B-11A	2.5'	26
B-11B	5.0'	< DL
B-11C	10.0'	< DL
B-12A	2.5'	< DL
B-12B	5.0'	< DL
B-12C	10.0'	< DL
B-13A	2.5'	21
B-13B	5.0'	13
B-13C	10.0'	17
B-14A	2.5'	< DL
B-14B	5.0'	< DL
B-14C	10.0'	< DL

DL = Detection Limit
ppb = Parts per billion, ug/kg

CONCLUSIONS AND RECOMMENDATIONS

Results of soil analysis indicate two significant areas of contamination at depth at the subject site. These areas are likely associated with past drum storage practices on the property.

Contamination appears to be restricted to the subject property as no contamination migration was evident in borings located on the perimeter of the property. The areas of concern are restricted to areas just west of the plant operations building (boring B-7) and just east of the old brick and wood frame structure located in the central portion of the property (boring B-9). These areas show contamination to depths of 10.0 and 20.0 feet, respectively.

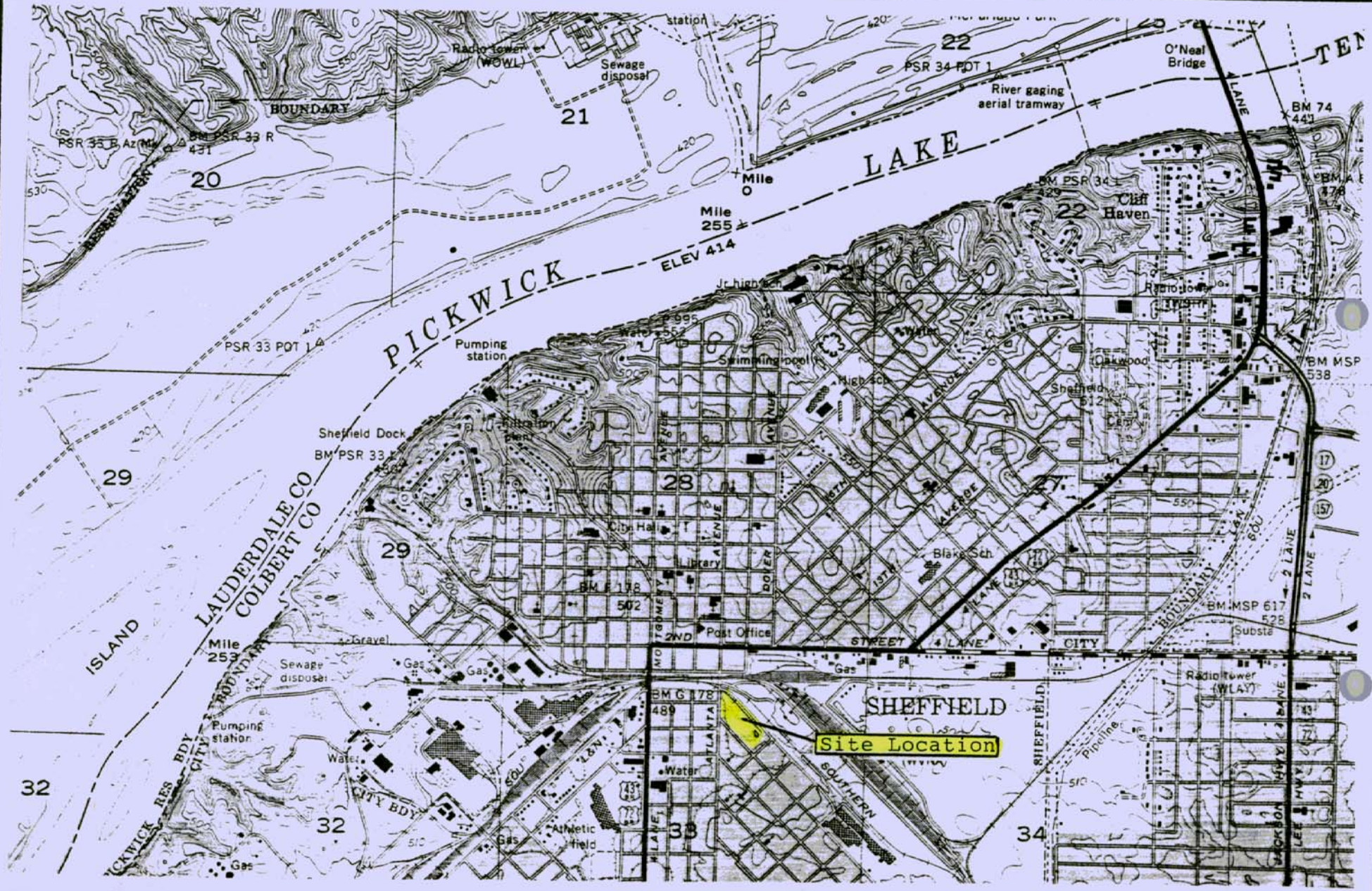
Should remedial measures be required, this effort will be restricted to the plant property and will not involve adjacent properties or right-of-ways.

QUALIFICATION

Our evaluation of conditions at this site is based on available information and data obtained during research and field study. These services have been performed in accordance with generally accepted standards of performance for this level of investigation. Our conclusions are limited to the conditions encountered in our investigations.

GALLET & ASSOCIATES, INC. is not responsible for the conclusions or opinions made by others based on the findings of this report.

FIGURES

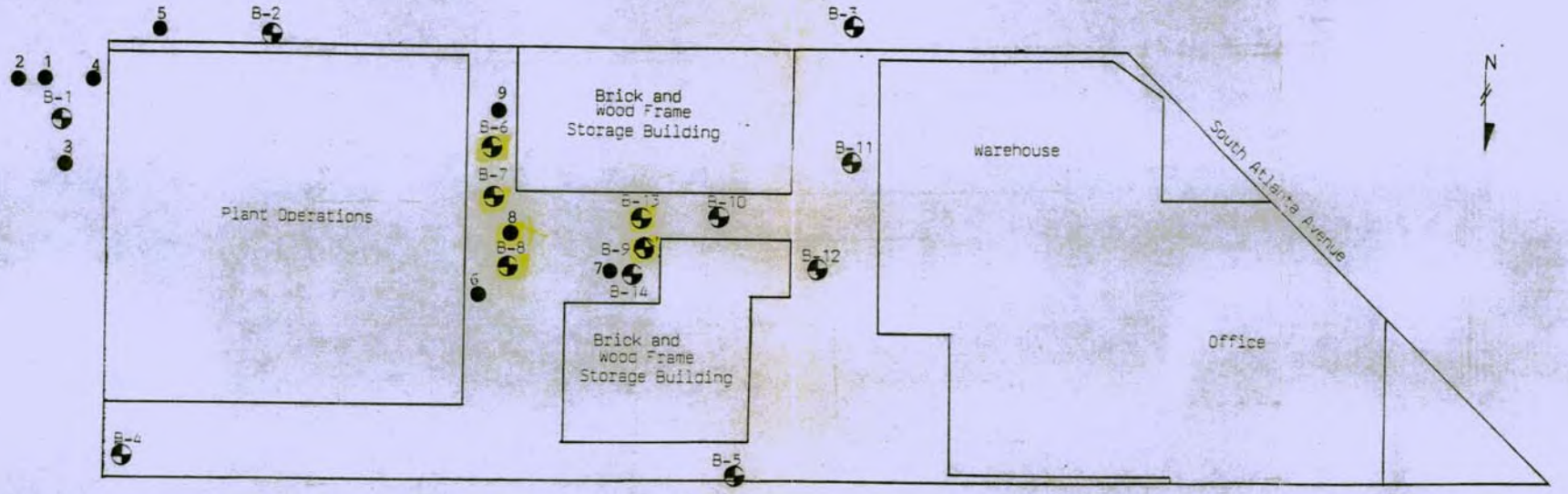


Gallet and Associates Inc.

Figure 1
Site Location

SCALE: 1" = 1200'

PROJECT
Contamination Assessment
Delta Automotive, Inc.
Sheffield, Alabama
90E-014975.1



Gallet and Associates Inc.

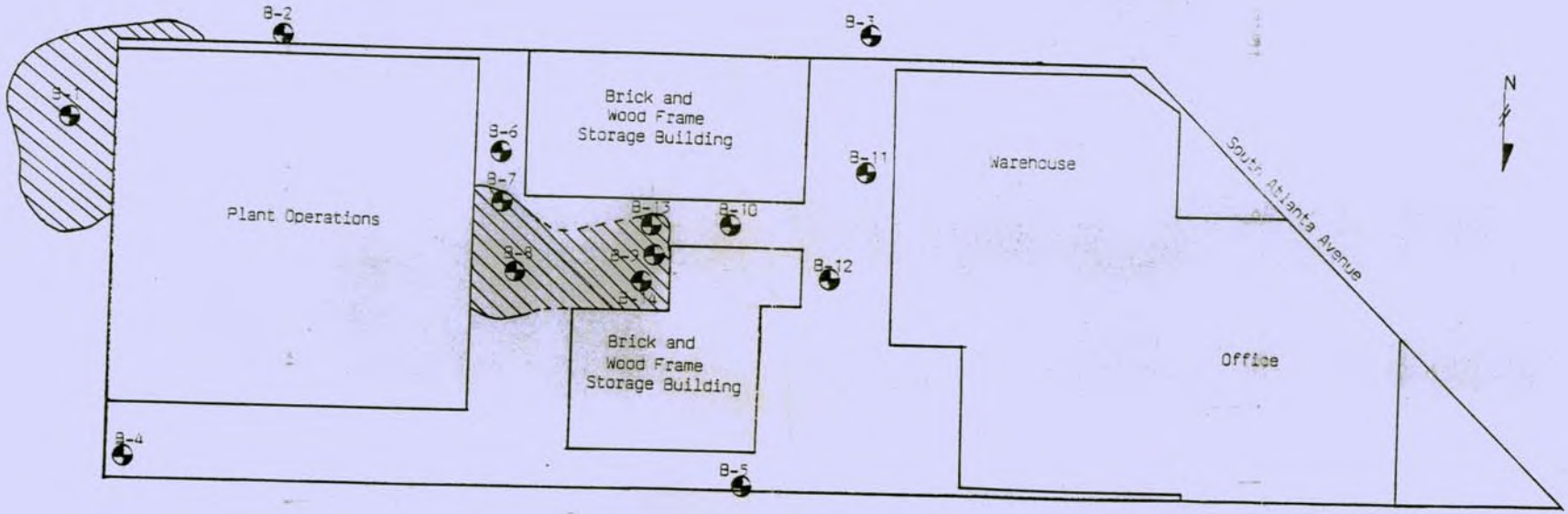
LEGEND

Figure 1A
Surface Samples and
Boring Location Plan

SCALE: 1" = 40

PROJECT

Contamination Assessment
Delta Automotive, Inc.
Sheffield, AL
90E-014975.1

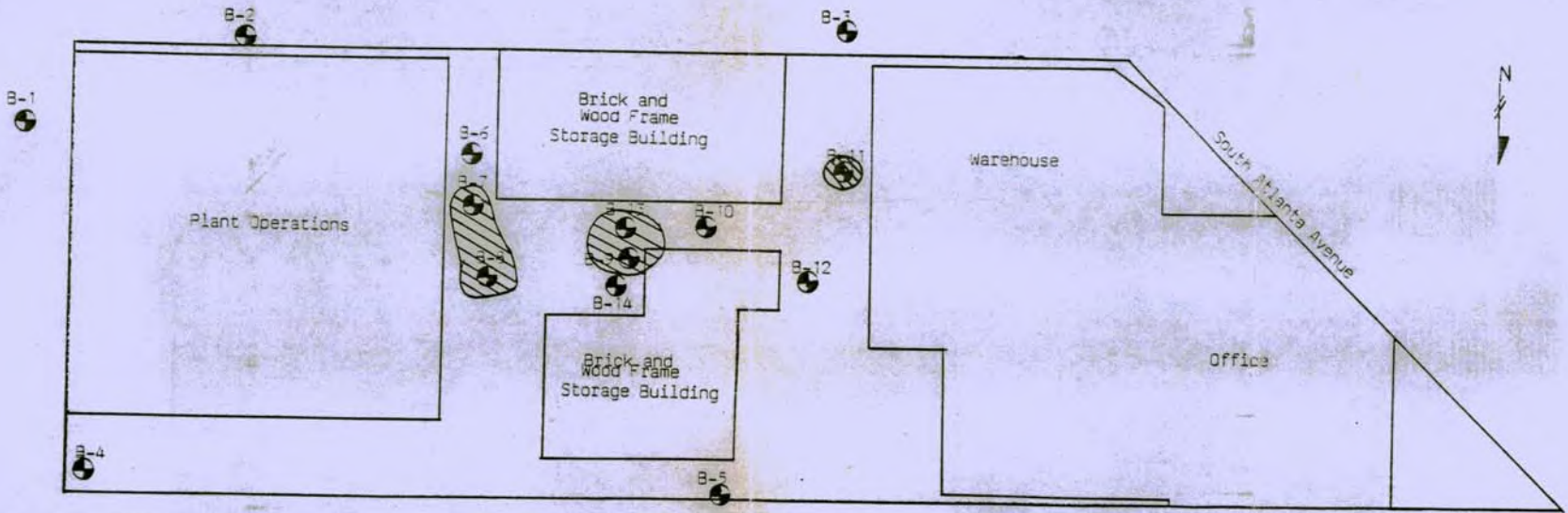


Areas of known contamination from 0.0' to 2.0'
Dashed boundary lines are estimated.

Gallet and Associates Inc

Figure 2A
Boundaries of contamination shown are approximate.
SCALE: 1" = 40'

PROJECT
Contamination Assessment
Delta Automotive, Inc.
Sheffield, AL
90E-14975.1



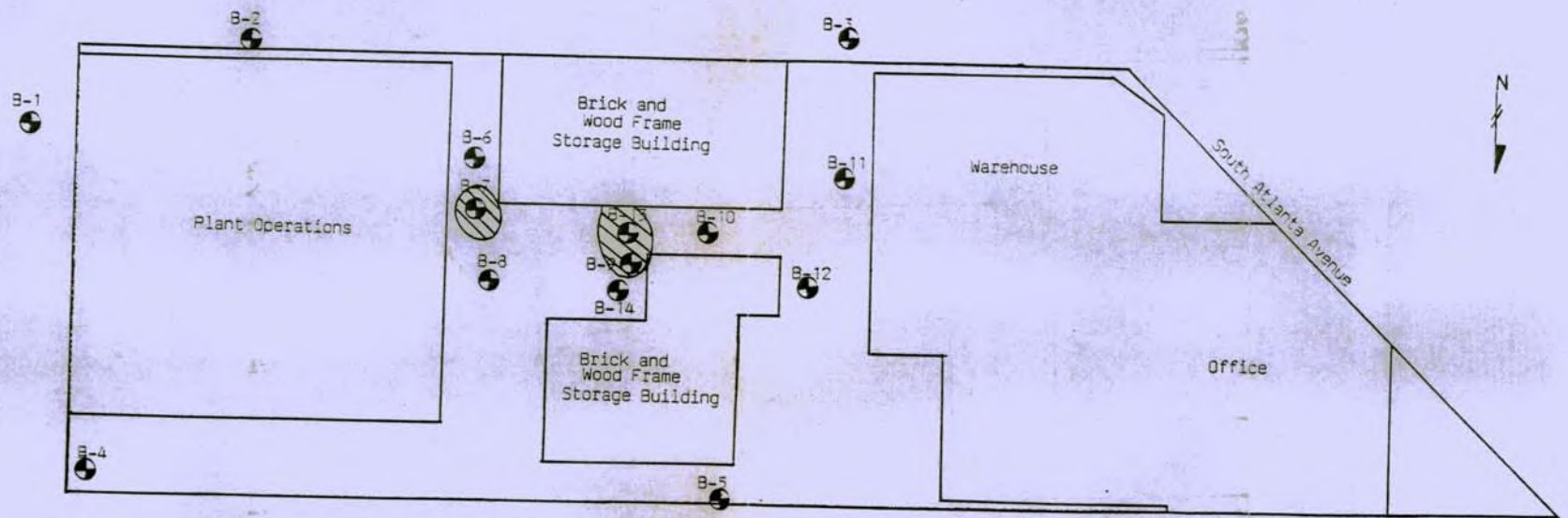
Areas of contamination at 2.5'

Figure 2B
Boundaries of contamination shown are approximate.

SCALE: 1" = 40'

Gallet and Associates Inc.

PROJECT
Contamination Assessment
Delta Automotive, Inc.
Sheffield, AL
90E-14975.1



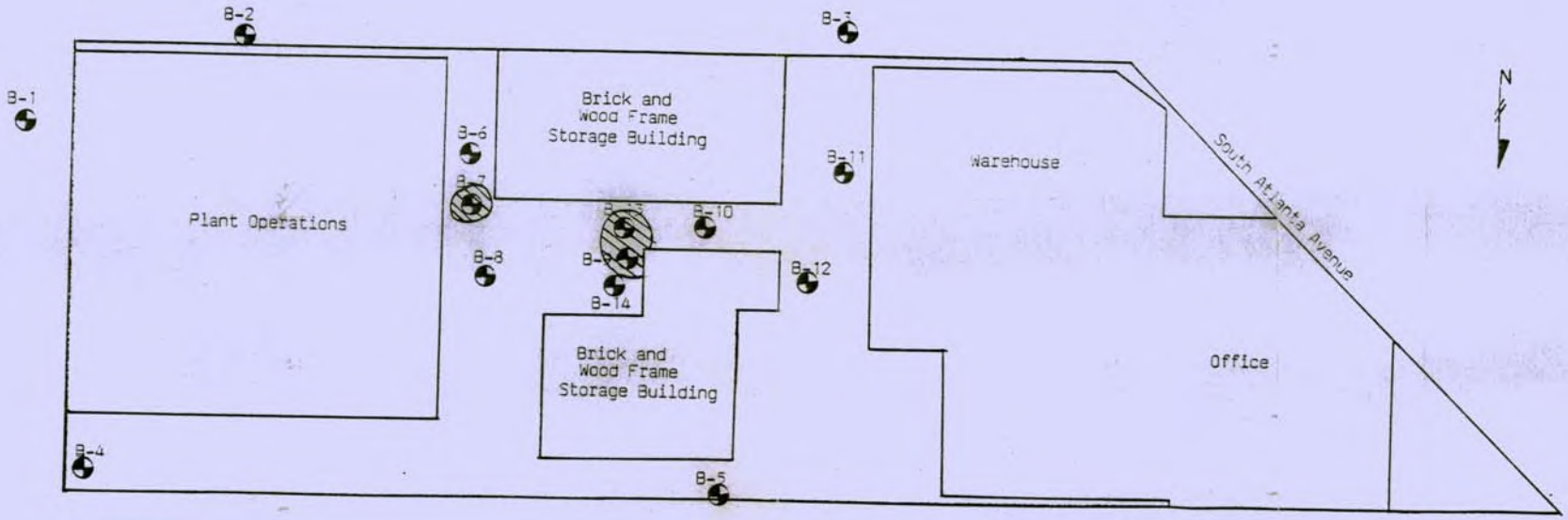
Area of contamination at 5.0'
Contamination associated with B-7 at 5.0' is suspected. No sample recovery for laboratory analysis.

Gallet and Associates Inc.

Figure 2C
Boundaries of contamination shown are approximate.

SCALE: 1" = 40'

PROJECT
Contamination Assessment
Delta Automotive, Inc.
Sheffield, AL
90E-14975.1



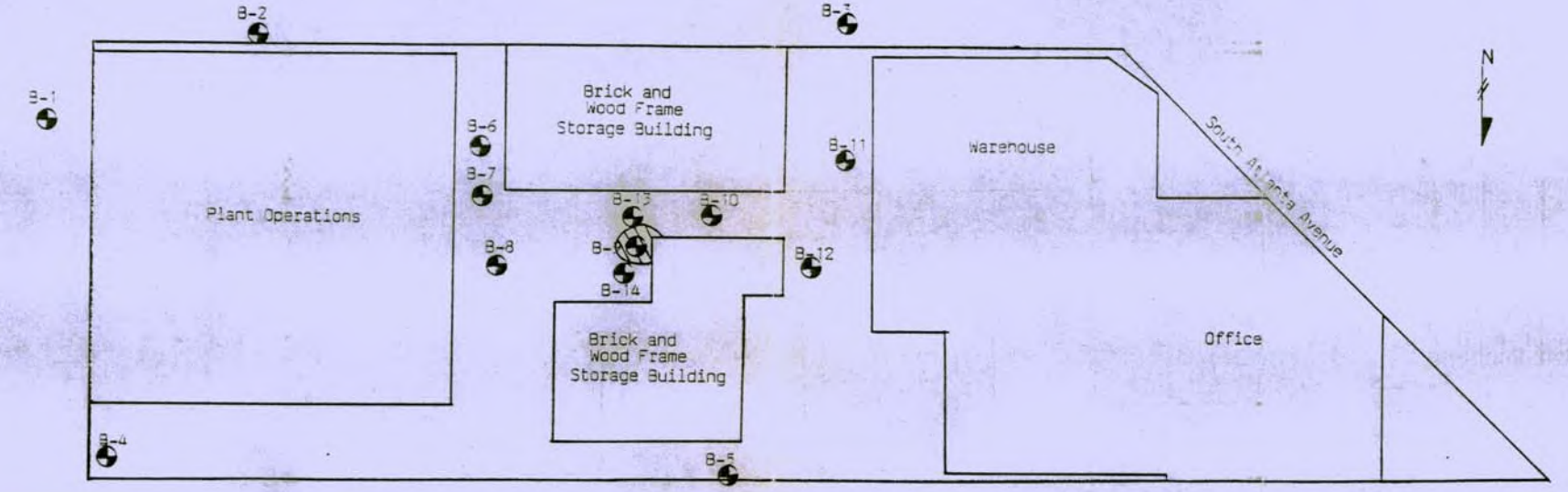
Area of contamination at 10.0'

Gallet and Associates Inc

Figure 2D
Boundaries of contamination shown are approximate.

SCALE: 1" = 40'

PROJECT
Contamination Assessment
Delta Automotive, Inc.
Sheffield, AL
90E-14975.1



Area of contamination at 15.0'

Gallet and Associates Inc.

Figure 2E
Boundaries of contamination shown are approximate.

SCALE: 1" = 40'

PROJECT
Contamination Assessment
Delta Automotive, Inc.
Sheffield, AL
90E-14975.1



Groundwater Investigation
Delta Automotive Site
Sheffield, Alabama
Project No. 91E-04075.01

FILE: Plans ~~Delta Auto~~/COLBERT/GW MONITORING

Gallet and Associates, Inc.

Geotechnical / Geological / Environmental / Materials Consultants
202 Scotch Drive, P.O. Box 380633, Birmingham, AL 35238-0633
Phone: (205) 995-8980 FAX: (205) 991-3565

June 3, 1991

Delta Automotive, Inc.
103 South Atlanta Avenue
Sheffield, Alabama 35660

Attention: Mr. Ben Law

SUBJECT:
Groundwater Investigation
Delta Automotive Site
Sheffield, Alabama
Project No. 91E-04075.01

Dear Mr. Law:

Gallet & Associates, Inc. is pleased to submit this report regarding our investigation of groundwater flow and quality beneath the above referenced property.

Background

The subject site is located at 103 South Atlanta Avenue Sheffield, Alabama (Figure 1). The Delta Automotive site was originally the site of a sawmill and lumberyard and presently is used as an automotive parts remanufacturing facility. Operations include remanufacture of transmission components and axles, involving the acquisition of used automobile parts which are dismantled, cleaned, inspected, reassembled and packaged.

Site Location and Description

The subject property is very level, with surface drainage to the west-southwest. Several structures are located on the property. The northeast end of the property contains a brick office building adjoined to the southeast by a metal warehouse. One brick and two wood

frame and sheet metal buildings (built in 1914) are located in central portion of the property; these were originally associated with a saw mill operation. A metal building located in the southeastern limits of the property contains an automotive parts remanufacturing operation. Twenty-first Street is located to the northeast of the subject site. An ephemeral stream is located north of and parallel to Twenty-first Street. A railroad easement is just north of and adjacent to the stream. To the south and southwest of the subject site is residential development. To the west is South Atlanta Avenue and light industry. An Exxon propane and natural gas facility is located to the east of the subject site. The site location is shown in Figure 1.

Site Geology

The project site is located within the Interior Low Plateaus of northwest Alabama and overlies the Tuscumbia Limestone formation. The site is underlain by more than thirty-five feet of chert rich clay developed from weathering of the Tuscumbia Limestone. The Tuscumbia is a light-gray, partly oolitic (near the top); fine to very coarse grained bioclastic limestone (crinoidal limestone is common). The Tuscumbia also contains light gray chert nodules and concretions. The apparent thickness of the formation in this province varies due to differential dissolution of the carbonate unit.

Previous Investigation

Delta Automotive contracted Gallet & Associates, Inc. in August, 1990 (Contamination Assessment, Delta Automotive, Sheffield, Alabama Project No. 90E-14975.1) to determine the vertical and lateral extent of soil contamination beneath the subject property. During the Contamination Assessment (CA) several soil samples returned concentrations of Volatile Organic Compounds (VOCs) exceeding Maximum Contaminant Levels (MCL) for these constituents. The affected soils were associated with drum storage areas and an open area beneath the brick and wood frame structure in the central portion of the property. The distribution of contaminated soils found during the previous investigation is included in Figures 3 - 8.

Groundwater Investigation

Gallet & Associates, Inc. was authorized to conduct an investigation into groundwater quality and flow beneath the site. The work was performed in two (2) phases: (1) drilling, sampling and installation of four (4) temporary monitoring wells (P-1A through P-4) to determine groundwater flow direction; and (2) drilling, sampling, and installation of four (4) permanent monitoring wells. One (1) permanent well (W-1) is located up-gradient and three (3) (W-2, W-3B, W-4) are located down-gradient of areas of known contamination. Boring logs are included in Appendix A, and monitoring well construction logs are included in Appendix B. Boring and well locations are shown in Figure 2.

Soil Sampling and Analysis

During drilling, soils were sampled continuously using a 5-foot continuous sampler. The soils in all borings (P-1A through P-4) were field screened with an Organic Vapor Analyzer (OVA) to confirm or deny the presence of VOC contamination in each boring.

One soil sample was taken at the soil/groundwater interface in borings P-1A, P-1C, P-2, P-3B, and W-3A and from well borings W-1, W-2, W-3B, and W-4. All soil samples were placed in four-ounce glass jars with Teflon-lined lids and stored at 4 degrees Celsius. All samples were received intact at an EPA-approved laboratory for analysis. Each sample was analyzed for VOCs using EPA Method 8240. Results of samples returning VOC concentrations above detection limits are given in Table 1. Copies of the laboratory results are included in Appendix C.

Temporary Well Construction

Four temporary wells (P-1A through P-4) were installed to determine the direction of groundwater flow prior to the construction of permanent wells at the site. Borings were advanced to depths sufficient to intersect groundwater. Soils were continually sampled and field screened for VOCs during drilling to determine if any subsurface contamination was present. No contamination was observed in field screening activities for any soils above the soil/ groundwater interface during the installation of temporary wells.

The temporary wells were constructed using 2 inch Schedule 40 threaded PVC 10 foot risers and screens. A sand pack was emplaced around each well screen extended at least one foot above the ten foot screen. The well was then allowed to stabilize for a short time before water level measurements could be obtained. The water level measurements from these wells were used to determine the groundwater flow direction and accurately locate the permanent monitoring wells up- and down-gradient of the areas of known contamination.

Monitoring Well Construction

Monitoring wells installed at the site were constructed using 2 inch diameter Schedule 40 threaded PVC 10 foot risers and screens. All wells were completed to a depth of 27 feet and constructed in 6 inch diameter borings. The sand packs for each well were installed to at least one foot above the ten foot screen followed by two feet of bentonite. The remaining annular space was grouted to land surface with a locking post type steel cover installed upon completion.

Each well was developed prior to sampling. Groundwater samples were obtained using a decontaminated bailer with bottom emptying device to minimize agitation of the sample and subsequent loss of volatiles from the sample. Each samples was placed in (2) 40 ml vials incorporating Teflon septa with no headspace and stored at 4 degrees Celsius. All

Table No. 1

SOIL SAMPLE RESULTS FROM BORINGS AND WELLS
(all data in parts per billion (ppb))

Sample Number	1	2	3	4	5	6	7	8	9
Trichloroethylene	ND	43	ND	ND	ND	ND	ND	ND	ND
Xylene	ND	63	ND	ND	ND	ND	ND	ND	ND
1-1-1-Trichloroethane	ND	ND	ND	ND	58	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	12	12
Boring (P) or Well (W)	P-1A	P-1C	P-2	P-3B	W-4	W-1	W-2	W-3A	W-3B

ND - not detected

Table No. 2

WATER SAMPLES
(all data in parts per billion (ppb))

	W-1	W-2	W-3B	W-4	W-5	Maximum Contaminant Level
Trichloroethylene	44	ND	ND	ND	ND	5
1-1-Dichloroethane	ND	37	99	25	Field Blank	NA
1-1 Dichloroethylene	ND	31	44	ND	Field Blank	7
1-1-1 Trichloroethane	ND	34	630	53	Field Blank	200
1-2 Dichloroethylene	ND	ND	18	ND	Field Blank	70

ND - not detected

samples were received intact by an EPA-approved laboratory and analyzed for VOCs using EPA Method 624. The results for groundwater samples returning constituents above detection limits are given in Table 2. Copy of the laboratory results and chain of custody are included in Appendix D.

Soil and Groundwater Quality

Soil samples from four (4) borings P-1C, W-4, W-3A, and W-3B returned VOC concentrations for several constituents including Trichloroethylene (TCE), Xylene, 1-1-1 Trichloroethane (TCA), and Chloroform. Samples W-4, W-3A, and W-3B were taken from borings located down-gradient of areas of known contamination and confirm the migration of these contaminates in the saturated zone beneath the site. Sample P-1C returned concentrations 43 ppb and 63 ppb for TCE and Xylene respectively. This boring is located up-gradient and in an area of no known contamination. Contamination of these soils could reflect a potential off-site contaminant source to the north-northeast.

At the time of this investigation groundwater was found to be at a seasonal high level and was therefore determined to be in direct communication with subsurface contaminated soils. Laboratory analyses of samples obtained during this investigation indicated that groundwater contamination has occurred at this facility. At least one of five encountered VOC constituents were found to be present in all of the groundwater samples analyzed. As indicated in Table 2. the common compounds include TCE, 1-1 Dichloroethane, 1-1 Dichloroethylene, TCA, and 1-2 Dichloroethylene and are all present in concentrations above the respective Maximum Contaminant Levels for these compounds in drinking water. Samples from monitoring wells W-2, W-3B and W-4 indicate the highest concentration of constituents in groundwater down-gradient of the areas of known contamination. Sample W-1 from the most up-gradient well (W-1) also returned a concentration of 44 ppb for TCE, this well is also located in an area of no known contamination. The results of this analysis may also support the possibility of an off-site source to the north-northeast. Distributions of soil and groundwater contamination are illustrated in Figures 10 - 13.

Groundwater Flow Characterization

Groundwater measurements taken from the permanent and temporary wells during the investigation indicate that groundwater flows to the west-southwest beneath the site. The shallow groundwater regime is influenced by the seasonal flow in a creek adjacent to the property. The creek appears to recharge the local groundwater regime during periods of wet weather. During the investigation conducted in August, 1990, no groundwater was encountered at depths up to 20.0 feet below ground surface (bgs). The current investigation revealed groundwater as shallow as 6.5 feet bgs in the up-gradient borings, approximately the same elevation as surface water found in the adjacent creek. Groundwater flow is illustrated in Figure 9. The gradient across the site is was determined to be approximately 0.021 ft/ft. A graphical representation of the groundwater gradient is included in Figure 14.

Conclusions and Recommendations

Results of soil and groundwater analyses indicate that groundwater contamination by volatile organic compounds exists at the subject site. The contamination appears to be associated with two areas: (1) the area at and just up-gradient of the location of borings W-3A and W-3B; and (2) the area beneath and adjacent to the wood and brick building located in the central portion of the property.
This investigation also indicated contamination of soil and groundwater in up-gradient locations at site. No determination has been made to date as to the source of this contamination.

During periods of seasonal high groundwater levels, groundwater is in direct communication with subsurface soil contamination therefore allowing the migration of VOC constituents. It is our opinion that a permanent reduction in groundwater levels combined with method to cut-off surface infiltration will negate any further contaminant migration from the subject property.

Several methods to lower the groundwater elevation are available and could be engineered for use at this site. The method of choice would likely be a passive system incorporating a drainage trench advanced to a pre-determined elevation such that groundwater would be permanently drawn down below the elevation of contaminated soils beneath the site. The trench would employ the use of a pump to discharge groundwater collected in the trench and enhance the draw-down capabilities of the system.

Surface infiltration of water will be cut-off to subsurface soils by use of an impermeable cap emplaced over the areas of known contamination. If possible this cap will be incorporated into a floor slab and covered with a building addition to the remanufacturing facility.

Remediation of affected soils at the site will likely be accomplished using a vacuum extraction method. The vacuum extraction system can be installed prior to the placement of the above mentioned cap and situated such that there is no interference with the every day operations of the facility.

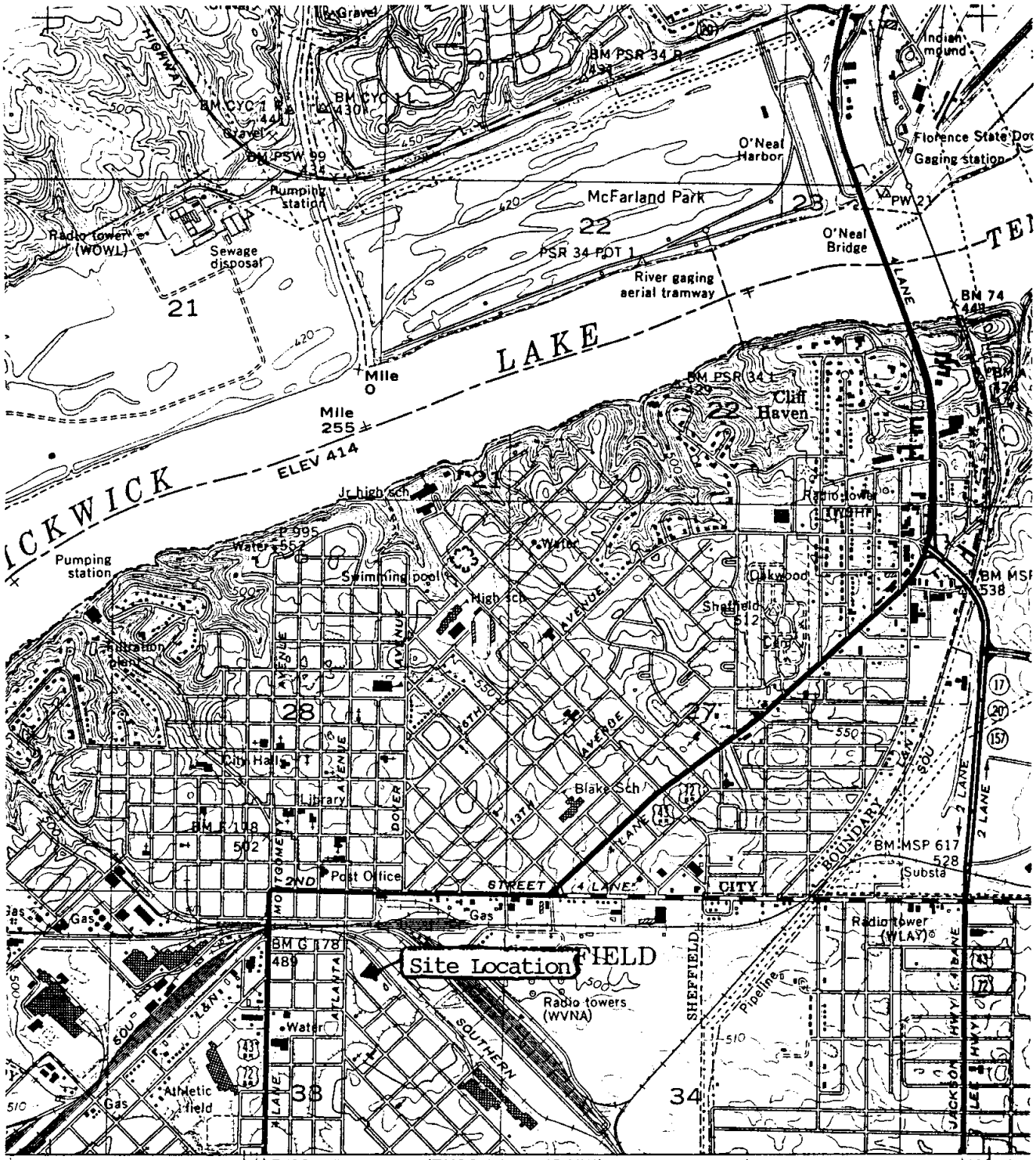
Further research will be required to determine if the remediation methods described above will satisfy both, the regulatory agencies involved and the financial stability of the owner.

Gallet & Associates, Inc. appreciates the opportunity of assisting you with this effort. Should you have any questions concerning this report, or if we may be of further service please contact us at (205) 995-8980.

Sincerely,

Richard C. Hillhouse
Project Geologist

William W. Cooch
Manager, Environmental Services



SCALE 1:24 000

1 ½ 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 5 0 1 KILOMETER

CONTOUR INTERVAL 10 FEET

DASHED LINES REPRESENT HALF-INTERVAL CONTOURS

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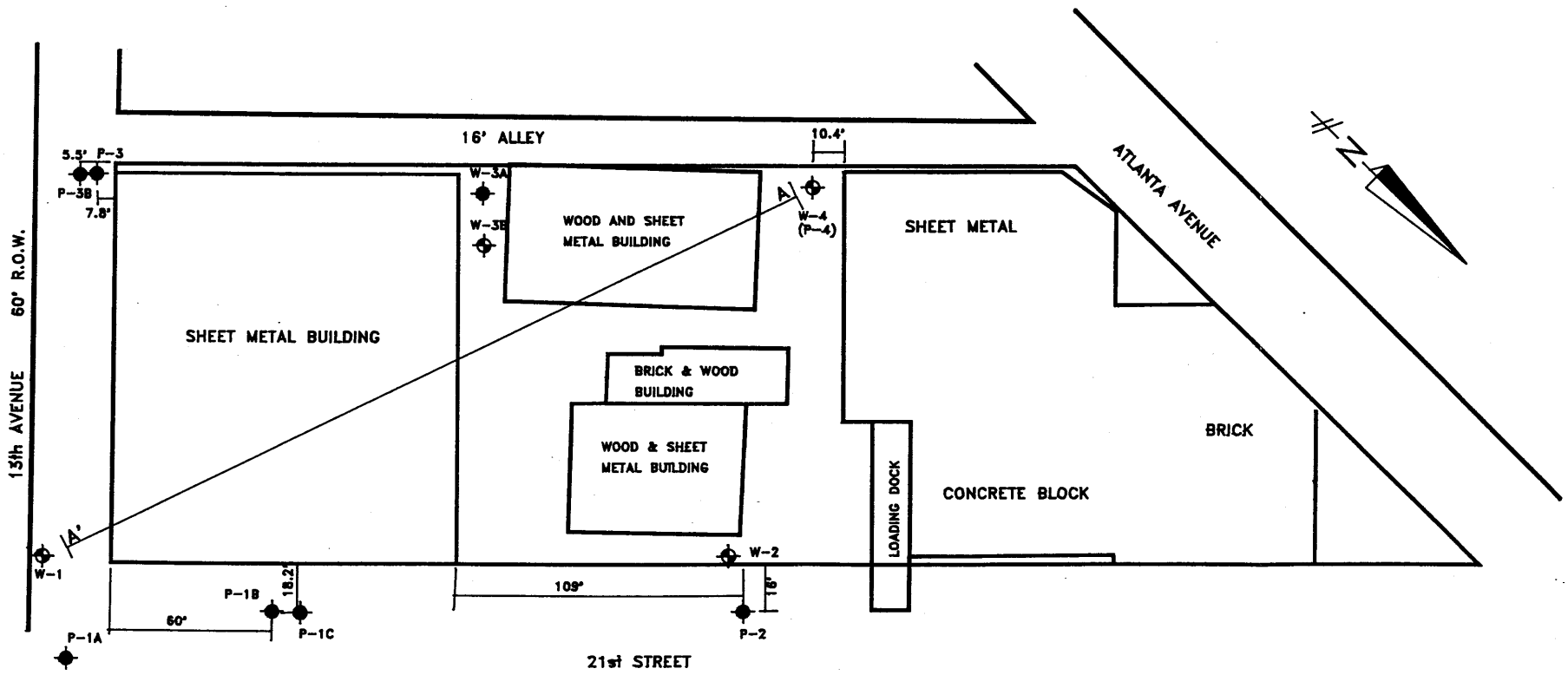
LEGEND

Figure No. 1
Site Location Map

SCALE: 1" = 2000'

PROJECT

Groundwater Investigation
Delta Automotive
Sheffield, Alabama
Project No.: 91E-04075.01



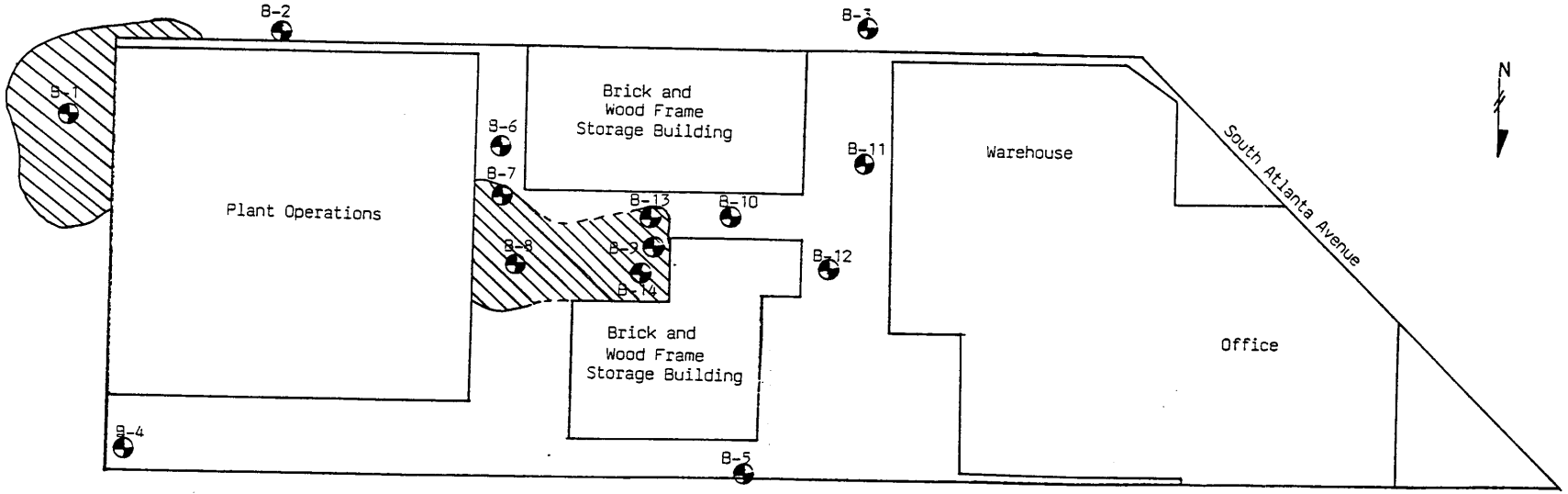
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LEGEND

Figure 2
Site Map
A - A' Cross Section
SCALE: 1" = 40'

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Sheffield, Alabama
Project No.: 91E-04075.01



Areas of known contamination from 0.0' to 2.0'
Dashed boundary lines are estimated.

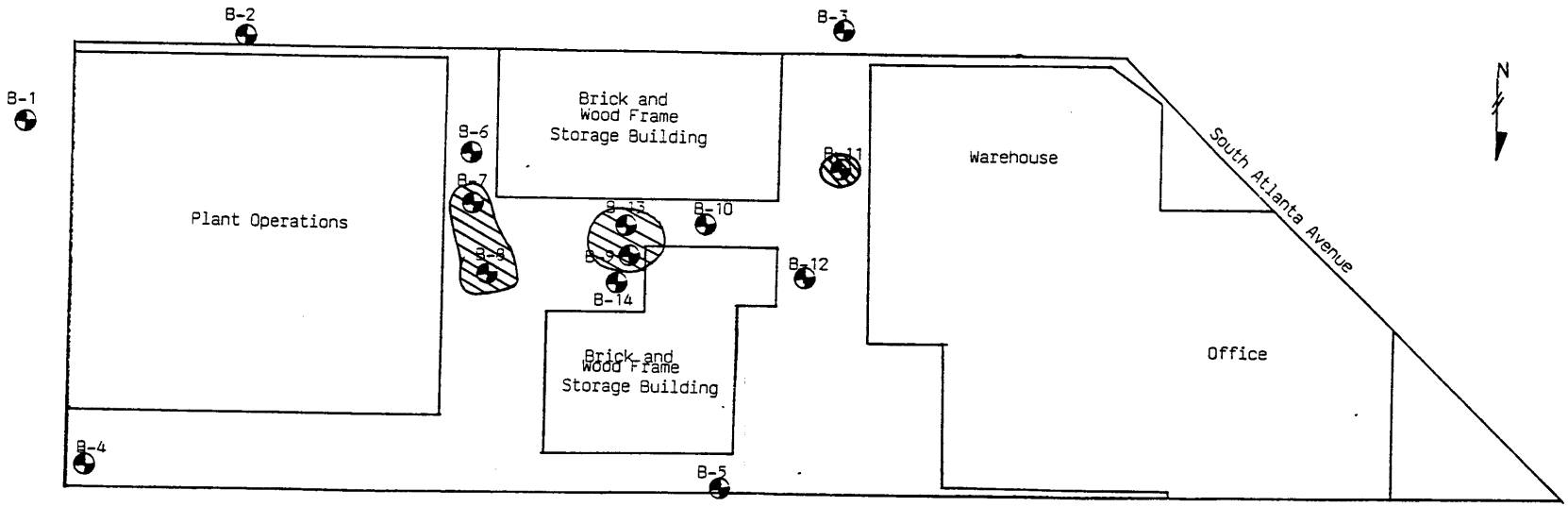
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Figure 3

Boundaries of contamination shown are approximate.

SCALE: 1" = 40'

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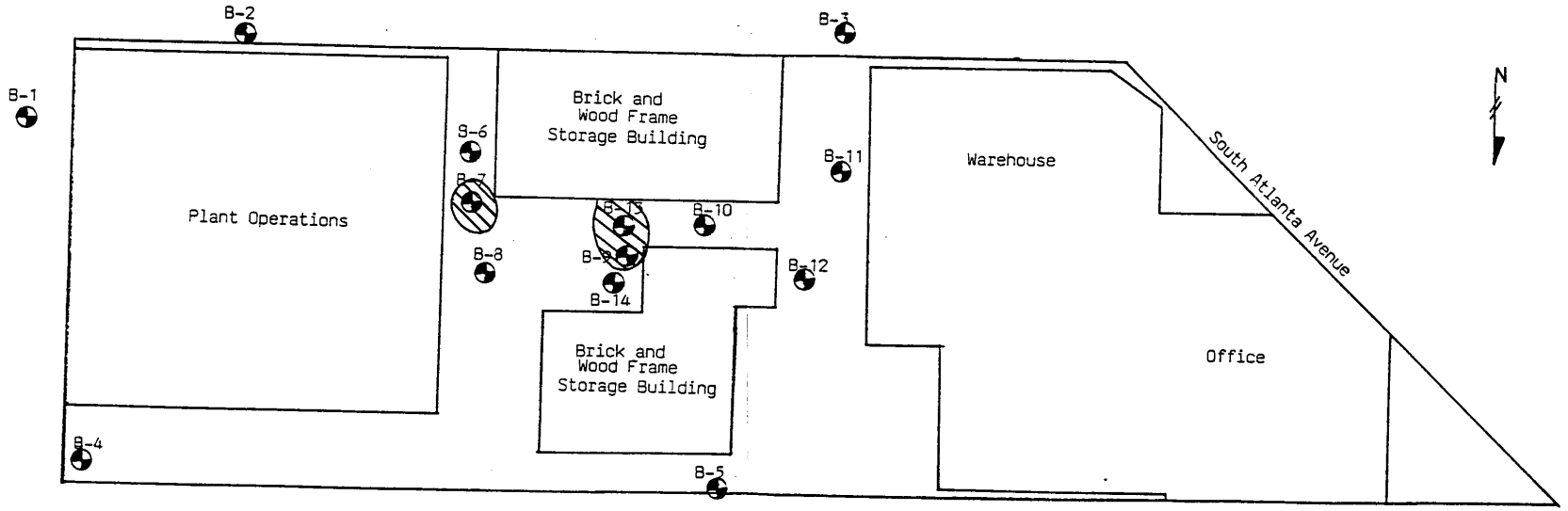
Areas of contamination at 2.5'

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Figure 4
Boundaries of contamination shown are approximate.

SCALE: 1" = 40'

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90E-14975.1



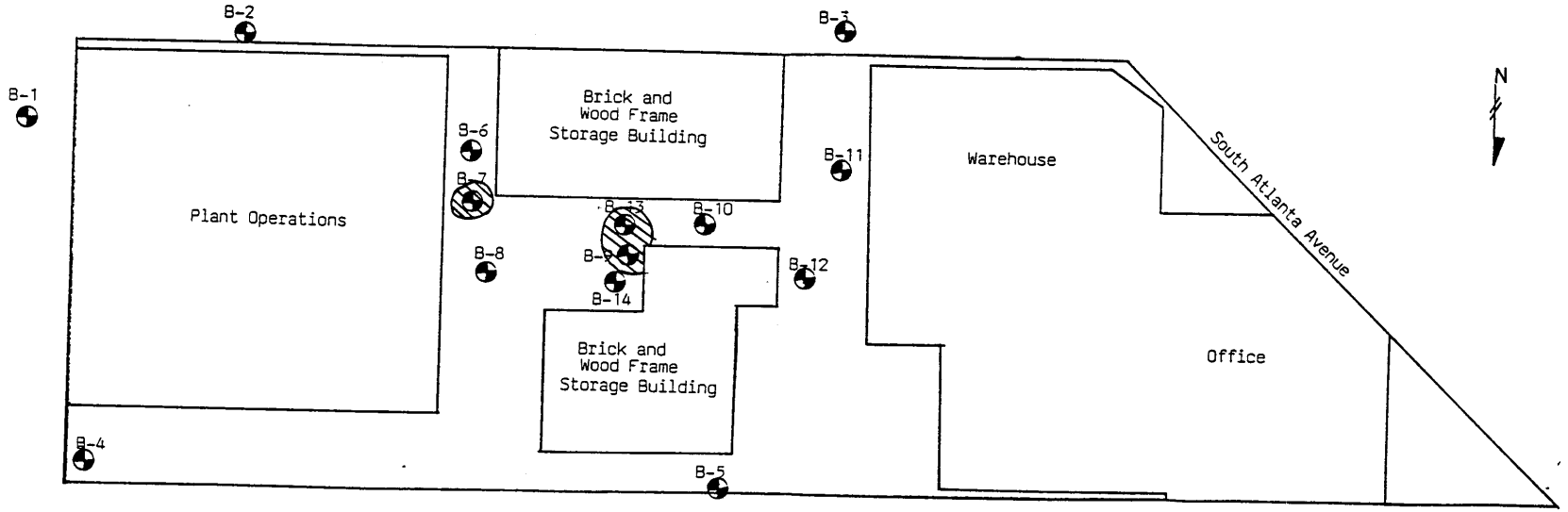
Area of contamination at 5.0'
Contamination associated with B-7 at 5.0' is suspected. No sample recovery for laboratory analysis.

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Figure 5
Boundaries of contamination shown are approximate.

SCALE: 1" = 40'

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90E-14975.1



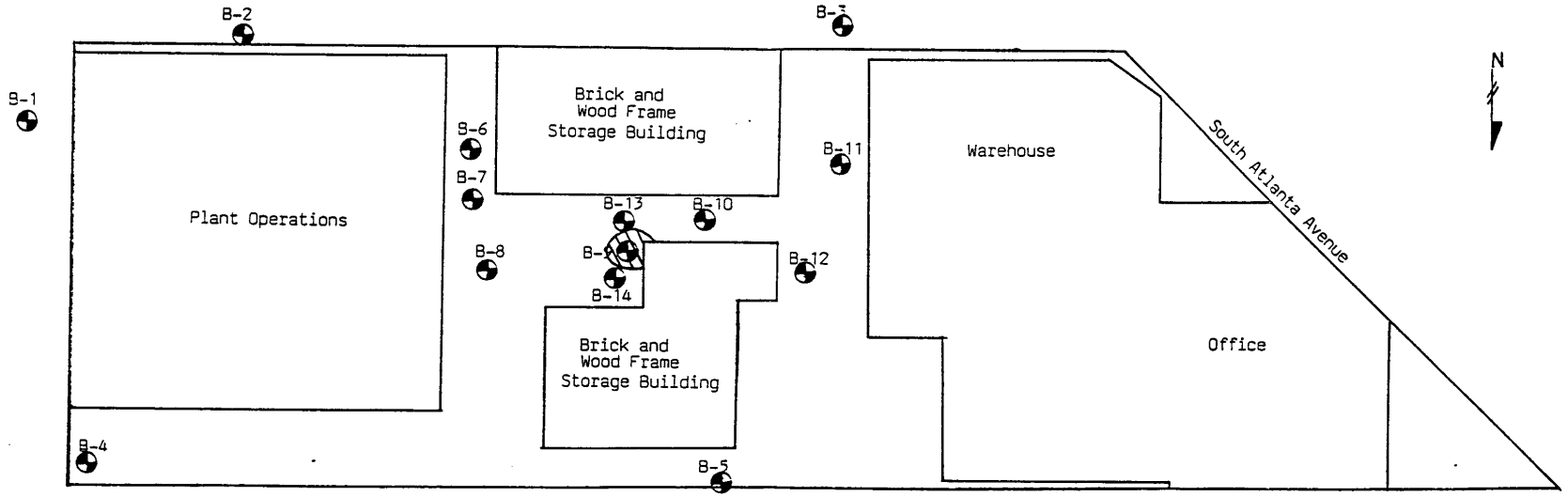
Area of contamination at 10.0'

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Figure 5
Boundaries of contamination shown are approximate.

SCALE: 1" = 40'

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90E-14975.1



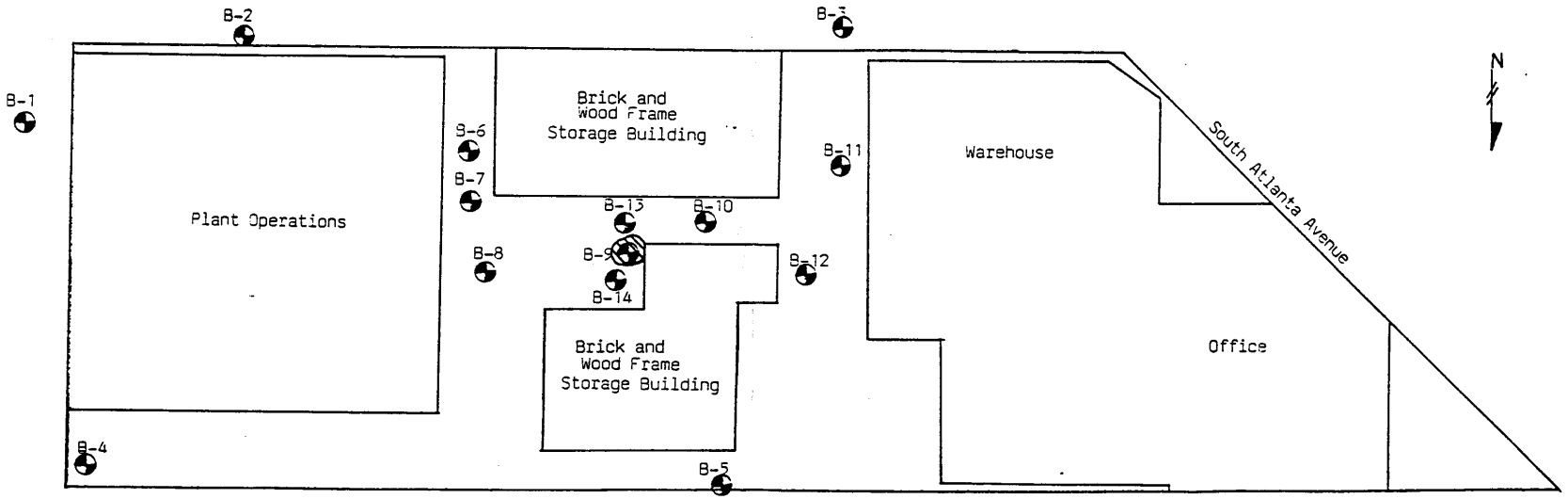
Area of contamination at 15.0'

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Figure 7
Boundaries of contamination shown are approximate.

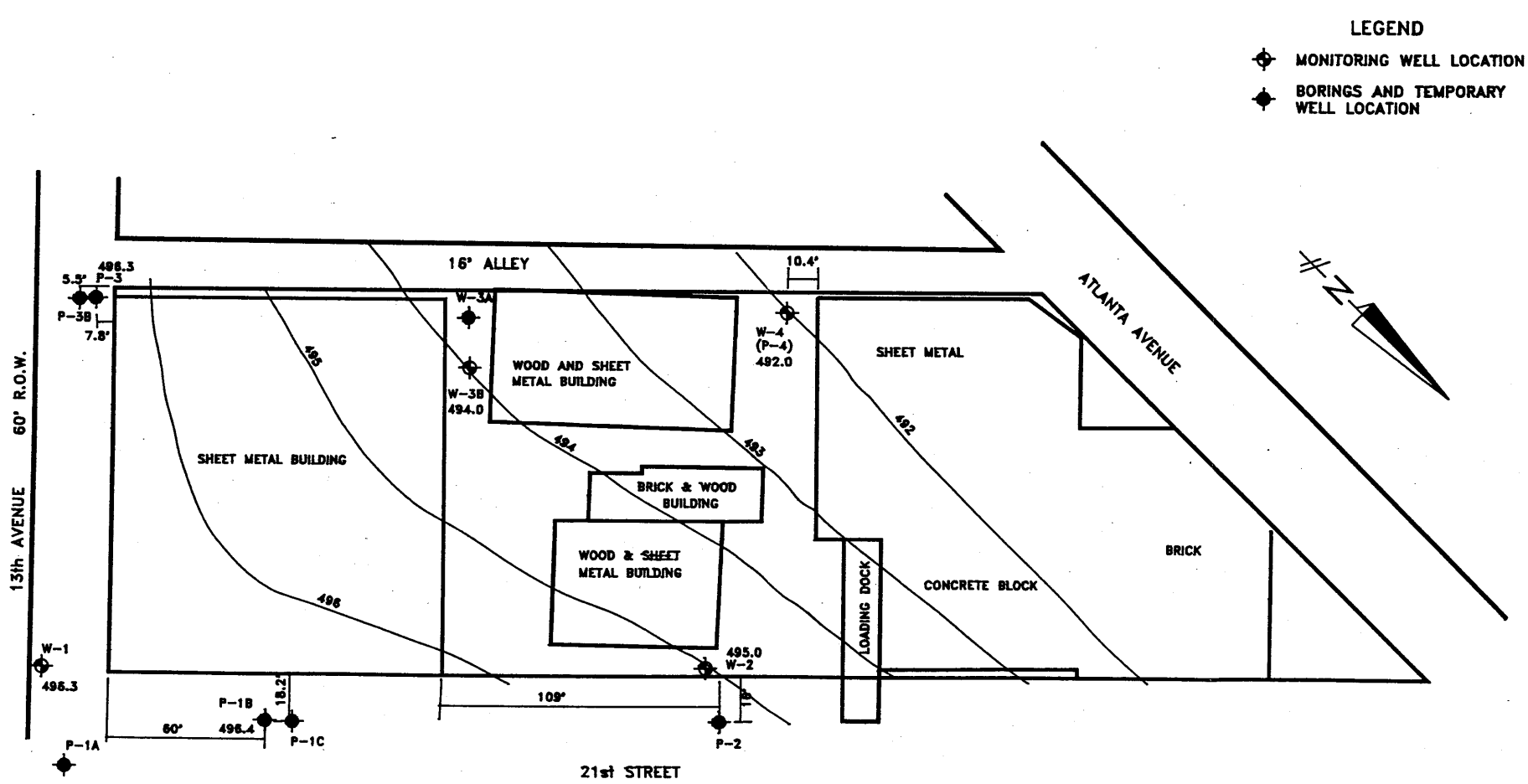
SCALE: 1" = 40'

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90E-14975.1



Area of contamination at 20.0'

Gallet and Associates Inc.	Figure 8 Boundaries of contamination shown are approximate. SCALE: 1" = 40'	PROJECT Contamination Assessment Delta Automotive, Inc. Sheffield, AL 90E-14975.1

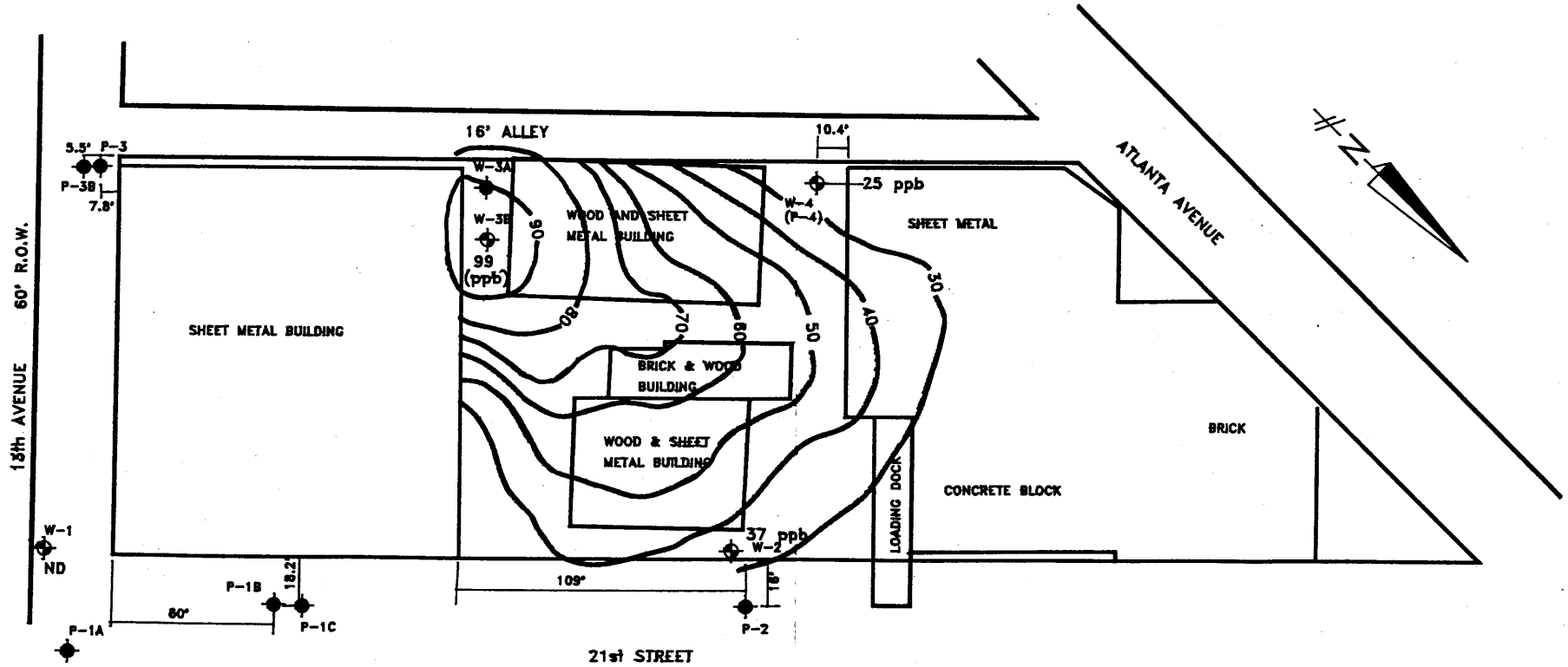


Gallet and Associates Inc.	LEGEND Figure 9 Groundwater Contour 1 Ft. Contour Interval SCALE: 1" = 40'	PROJECT Groundwater Investigation Delta Automotive Sheffield, Alabama Project No.: 91E-04075.01

NOTES:
1: CONTOURS ARE AN ESTIMATION OF CONTAMINANT DISTRIBUTION IN GROUNDWATER BENEATH THE SITE.
2: CONTOUR INTERVAL 10 ppb
3: ND – NO DETECTION

LEGEND

- MONITORING WELL LOCATION
- BORINGS AND TEMPORARY WELL LOCATION



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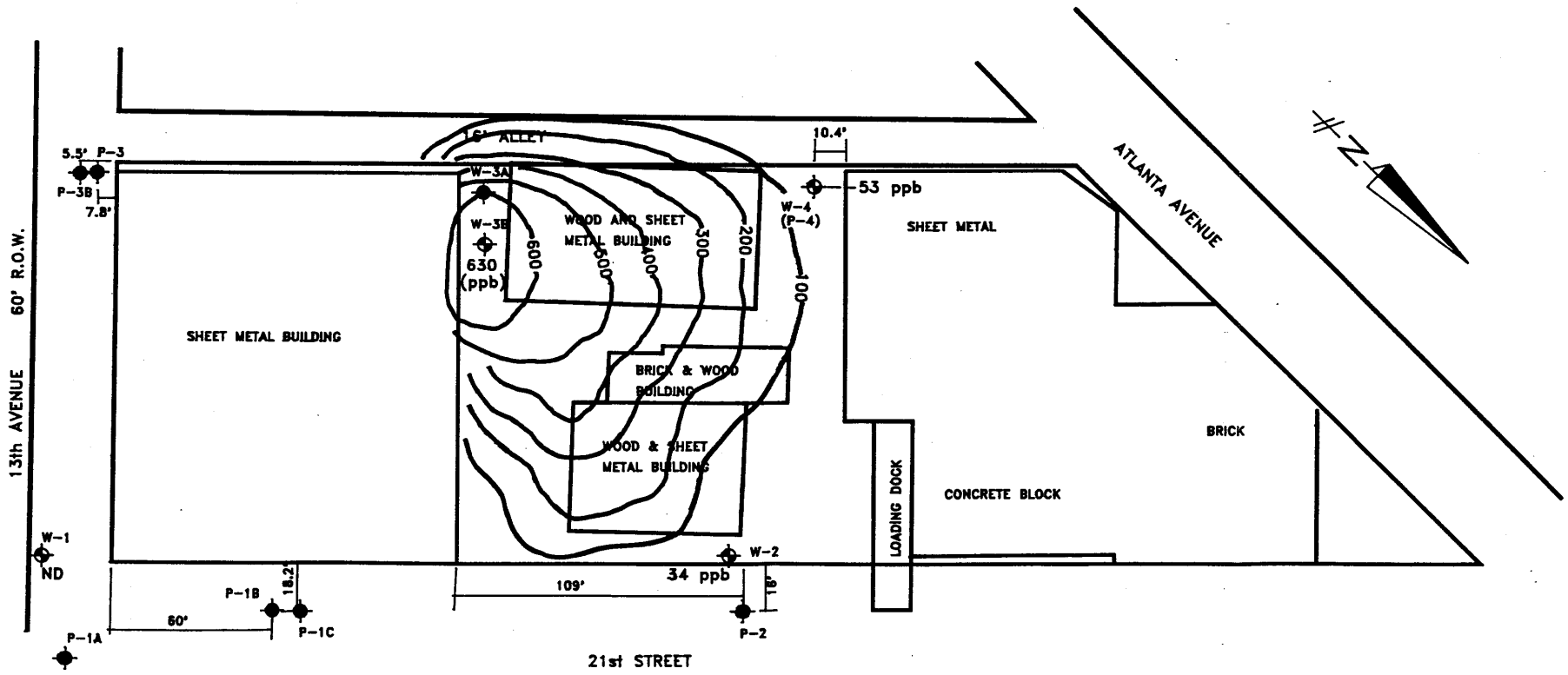
LEGEND
Figure 10
Contoured Contaminat Levels 1-1 Dichloroethane in Groundwater
SCALE:1"=40'

PROJECT
Delta Automotive
Groundwater Investigation
Sheffield, AL
Project No. 91E-04075.01

NOTES:
1: CONTOURS ARE AN ESTIMATION OF CONTAMINANT DISTRIBUTION IN GROUNDWATER BENEATH THE SITE.
2: CONTOUR INTERVAL 100 ppb
3: ND – NO DETECTION

LEGEND

- MONITORING WELL LOCATION
- BORINGS AND TEMPORARY WELL LOCATION



\XXX\XXX-XXX.DWG

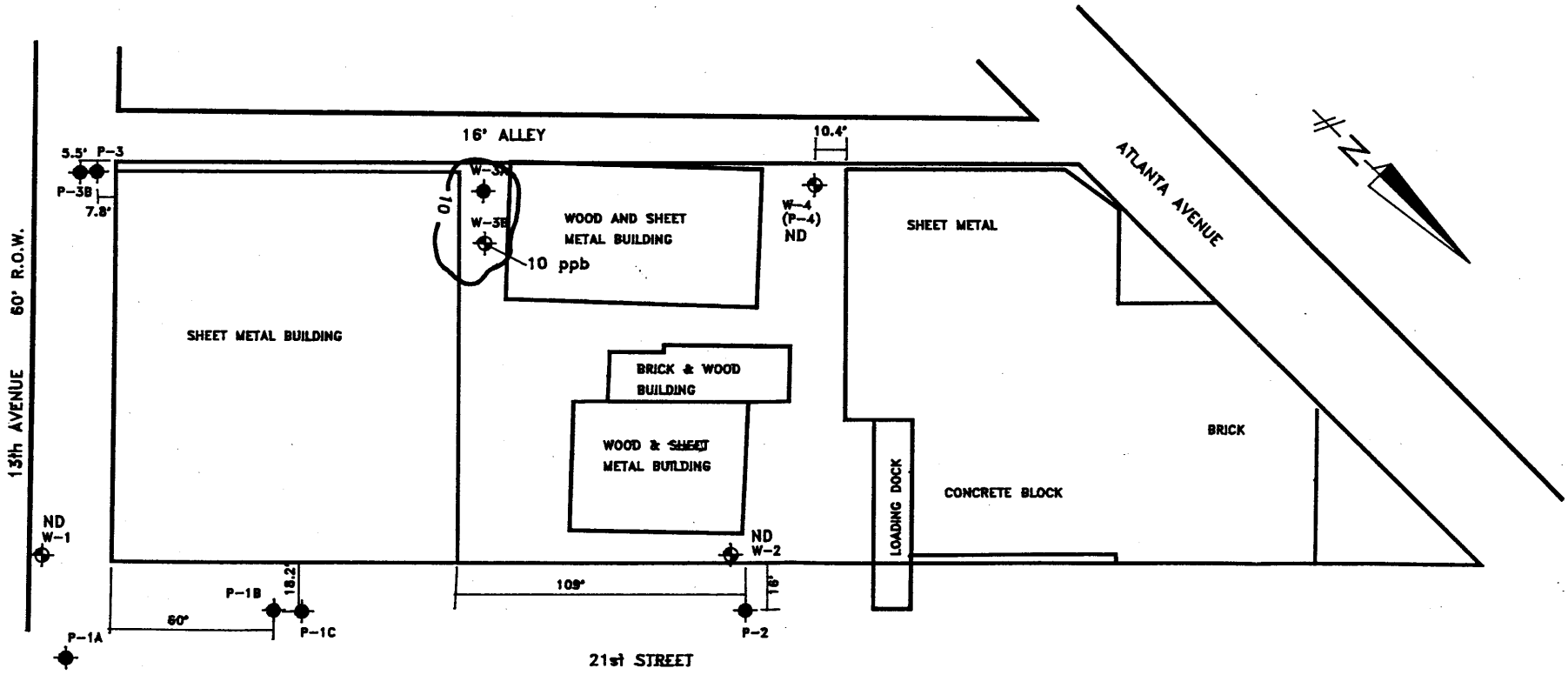
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LEGEND
Figure 11
Contoured Contaminant Levels
1-1-1 Trichloroethane
SCALE: 1" = 40'

PROJECT
Groundwater Investigation
Delta Automotive
Sheffield, Alabama
Project No.: 91E-04075.01

NOTES:
1: CONTOURS ARE AN ESTIMATION OF CONTAMINANT DISTRIBUTION IN GROUNDWATER BENEATH THE SITE.
2: CONTOUR INTERVAL 10 ppb
3: ND – NO DETECTION

LEGEND
- MONITORING WELL LOCATION
- BORINGS AND TEMPORARY WELL LOCATION



Gallet and Associates Inc.

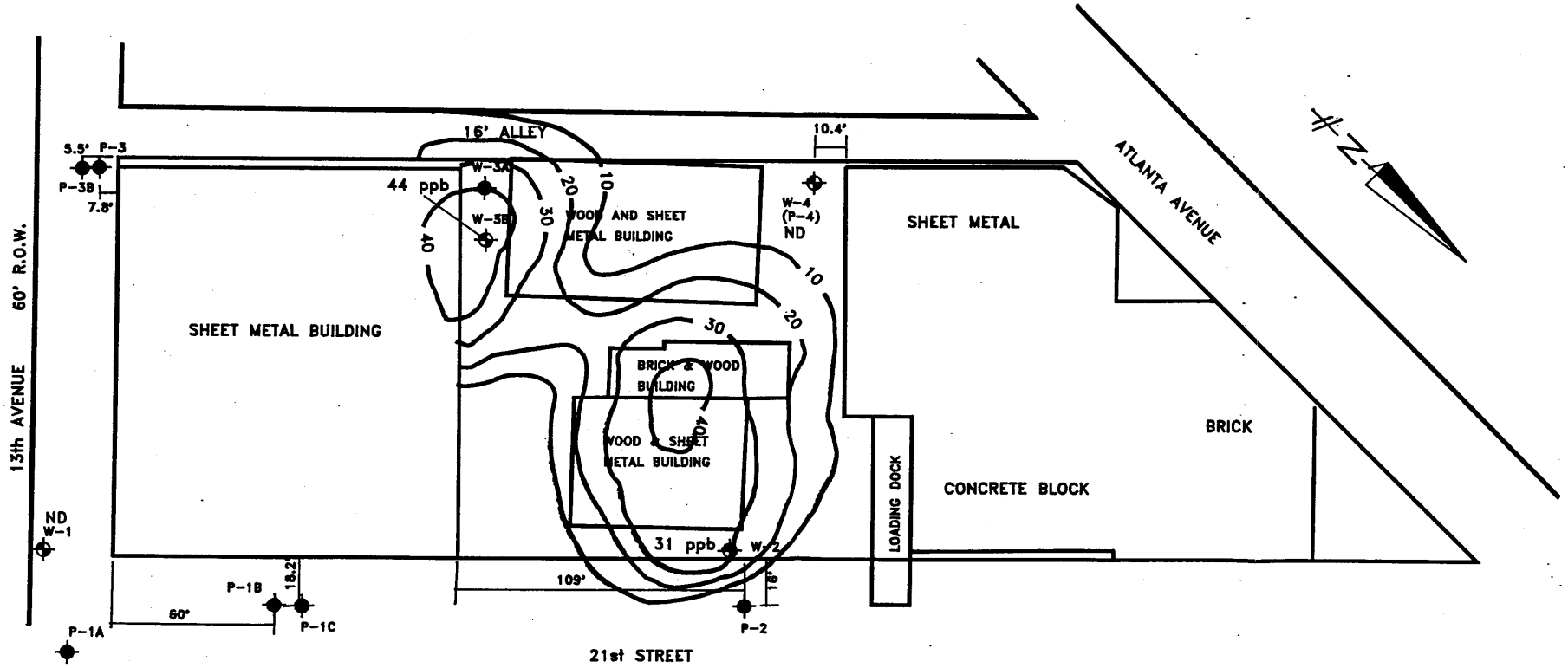
LEGEND
Figure 12
Contoured Contaminate Levels
Choloroform in Soil Sample
SCALE: 1" = 40'

PROJECT
Groundwater Investigation
Delta Automotive
Sheffield, Alabama
Project No.: 91E-04075.01

NOTES:
1: CONTOURS ARE AN ESTIMATION OF CONTAMINANT DISTRIBUTION IN GROUNDWATER BENEATH THE SITE.
2: CONTOUR INTERVAL 5 ppb
3: ND – NO DETECTION

LEGEND

- MONITORING WELL LOCATION
- BORINGS AND TEMPORARY WELL LOCATION

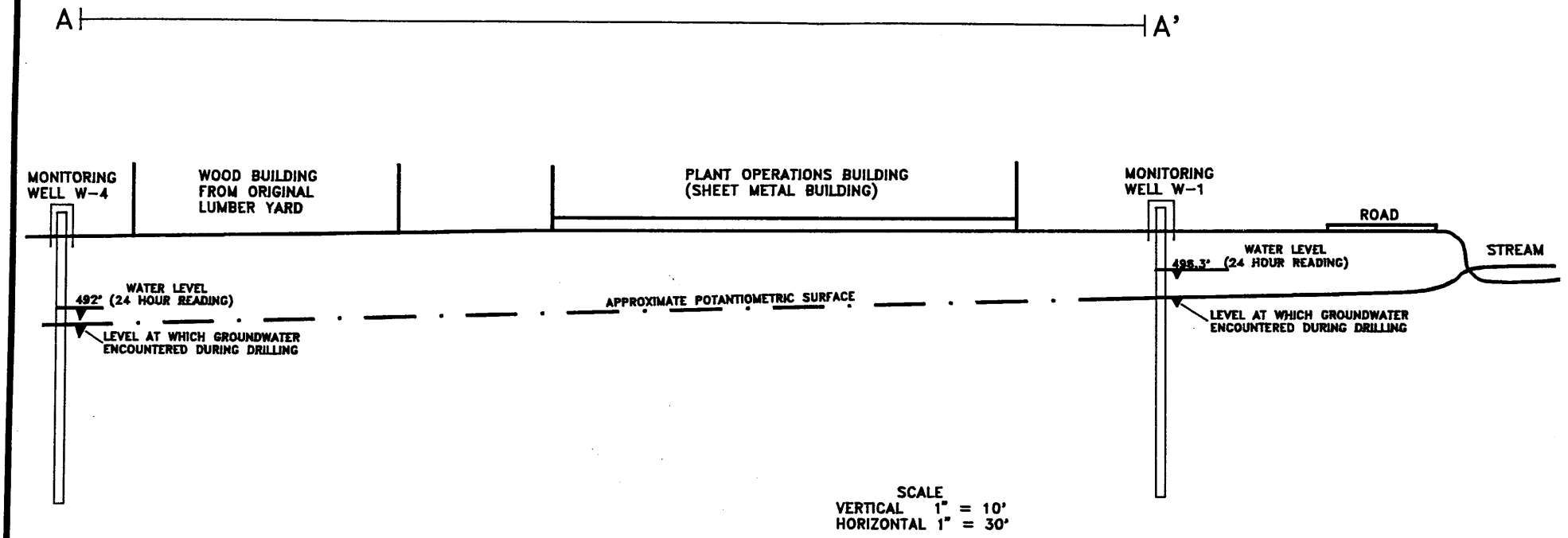


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LEGEND
Figure 13
Contoured Contaminate Levels
1-1 Dichloroethane in Ground

SCALE: 1" = 40'

PROJECT
Groundwater Investigation
Delta Automotive
Sheffeild, Alabama
Project No.: 91E-04075.01



SCALE
VERTICAL 1" = 10'
HORIZONTAL 1" = 30'

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LEGEND

Figure 14
Cross Section A - A'

SCALE: 1" = 40'

PROJECT
Groundwater Investigation
Delta Automotive
Sheffield, Alabama
Project No.: 91E-04075.01

Groundwater Quality Assessment
Delta Automotive, Inc. Facility
Sheffield, Alabama
USEPA Identification Number ALD 982 123 127
Project No. 91E04075.02
Volume I



Groundwater Quality Assessment
Delta Automotive, Inc. Facility
Sheffield, Alabama
USEPA Identification Number ALD 982 123 127
Project No. 91E04075.02
Volume I

Gallet and Associates, Inc.

Geotechnical / Geological / Environmental / Materials Consultants
202 Scotch Drive, P.O. Box 380633, Birmingham, AL 35238-0633
Phone: (205) 995-8980 FAX: (205) 991-3565

June 9, 1992

Ms. Sue R. Robertson, Chief
Land Division
Alabama Dept. of Environmental Management
1751 Cong. W. L. Dickinson Drive
Montgomery, Alabama 36110

SUBJECT:
GROUNDWATER QUALITY ASSESSMENT
DELTA AUTOMOTIVE, INC. FACILITY
SHEFFIELD, ALABAMA
USEPA ID ALD 982 123 127

Dear Ms. Robertson:

On behalf of Delta Automotive, Inc., Gallet & Associates, Inc., a registered Alabama engineer, is pleased to provide this Ground Water Quality Assessment. This assessment was prepared in response to Alabama Department of Environmental Management (ADEM) Administrative Order 92-024-HW and in accordance with Admin. Rule 335-14-6-.06(2), (3) and (4). The subject investigation has also been conducted per subsequent direction from Mr. Steven O. Jenkins of the Department.

Based on this Groundwater Quality Assessment, we have reached several conclusions. Contaminated soils and groundwater are present at this site. Based on analytical results from monitoring well MW-6, there also appears to have been shallow offsite migration of several contaminants. Several contaminants have also been detected in groundwater from MW-5 (completed in the deeper aquifer).

Please contact Mr. Ben Law of Delta Automotive, Inc. (1-800-633-3134) if you have any questions concerning this submission.

Sincerely,

Daniel K. Moore
Project Geologist

William W. Gooch
Manager, Environmental Services

Mary S. Moran
Mary S. Moran, C.P.G.
Vice President

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Appendix D Soil Gas Survey Results
Appendix E Groundwater Investigation
Appendix F Field Sampling Logs
Appendix G Slug Test Calculations
Appendix H Tables
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GROUNDWATER QUALITY ASSESSMENT
DELTA AUTOMOTIVE, INC. FACILITY
SHEFFIELD, ALABAMA
USEPA ID ALD 982 123 127

1.0 INTRODUCTION

1.1 PURPOSE, SCOPE AND AUTHORIZATION

The purpose of this work is to provide a Groundwater Quality Assessment (GWQA) of the Delta Automotive, Inc. facility in Sheffield, Alabama, in accordance with the provisions of Alabama Admin. Code 335-14-6-.06(2), (3) and (4). The Alabama Department of Environmental Management (ADEM) has ordered preparation of this GWQA. The primary objective of this document is to define the rate and extent of migration of any hazardous waste constituents, and the concentration of hazardous waste constituents in the groundwater.

The scope of work included the following: (1) Installation of new monitoring wells; (2) groundwater sampling and analysis for hazardous constituents; (3) a soil contamination assessment; and (4) cleanup performance standards. The approach taken for this investigation was discussed and agreed upon by representatives of Gallet & Associates, Inc. (GAI), Delta Automotive, Inc. (Delta), and ADEM.

Water quality and elevation data were compiled and evaluated for four site wells: existing well (most contaminated) MW-3B; new (and deep) well MW-5; new (downgradient) well MW-6; and new (upgradient) well MW-7.

Three consecutive monthly sampling events were performed at the direction of Mr. Steven O. Jenkins of ADEM. These sampling events are referred to in this document as follows: "first event" for sampling conducted in March, 1992; "second event" for sampling performed in April, 1992; and "third event" for sampling occurring in May, 1992.

During the drilling of the new monitoring wells, borehole soil samples were obtained and analyzed using an Organic Vapor Analyzer (OVA) and portable field gas chromatograph (GC). Selected samples were subjected to laboratory analyses. A soil gas survey for site soils was also conducted, with soil gases analyzed using the field GC.

Aquifer (slug) tests were performed on monitoring wells MW-3B, MW-6 and MW-7. In addition, a slug test was attempted on deep well MW-5; however, this well could not be adequately tested due to equipment malfunction.

This work was authorized by Mr. Ben Law, Delta Automotive, Inc., on February 24, 1992.

1.2 INFORMATION SOURCES

Research and evaluation of the environmental conditions at the site included utilization of the sources listed below. Some of these sources include supporting technical reports; these supporting sources of information are therefore incorporated by reference within those documents.

1. Groundwater Quality Assessment Plan, Delta Automotive, Inc. Facility, Sheffield, Alabama, Gallet & Associates, Inc., January 13, 1992. (Subsequently amended by verbal instructions from Mr. Steven O. Jenkins).

2. Contamination Assessment, Delta Automotive, Inc. Facility, Sheffield, Alabama, Gallet & Associates, Inc., August 15, 1990.

3. Study and Interpretation of the Chemical Characteristics of Natural Water, John D. Hem, U.S. Geological Survey Special Paper 1473, 1970.

4. Geology of Alabama, George I. Adams et al., Geological Survey of Alabama, Special Report No. 14, 1979.

5. Alabama Department of Environmental Management Administrative Code R. 335-14-x-.xx (Division 14 Hazardous Waste Program), revised effective April 2, 1991.

6. Groundwater, R. A. Freeze and J. A. Cherry, Prentice-Hall, Inc., 1979.

7. Water Well Technology, M. D. Campbell and J. H. Lehr, McGraw-Hill Book Co., 1973.

8. Groundwater and Wells, F. G. Driscoll, Johnson Division, 1987.

9. Time Lag and Soil Permeability in Ground Water Observations, M. J. Hvorslev, Bull. No. 36, Waterways Exp. Sta., U. S. Army Corps of Eng., Vicksburg, Mississippi, 1951.

10. A Slug Test for Determining Hydraulic Conductivity of Unconfined Aquifers with Completely or Partially Penetrating Wells, H. Bouwer and R. C. Rice, Water Resour. Res., 12(3), 1976.

11. Florence, Alabama 7.5-Minute Topographic Quadrangle, U. S. Geological Survey, 1971.

12. Mississippian Stratigraphy of Alabama, William A. Thomas, Geological Survey of Alabama, Monograph 12, 1972.

13. Ground-Water Geology of the Tennessee Valley Area in Alabama, with Reference to Vertical Drainage, P. E. La Moreaux, Geological Survey of Alabama, Circular 18, 1949.

14. Groundwater Investigation, Delta Automotive Site, Sheffield, Alabama, Gallet & Associates, Inc., June 3, 1991.

15. Theory of Aquifer Tests, J. G. Ferris, D. B. Knowles, R. H. Brown, and R. W. Stallman, U. S. Geological Survey Water-Supply Paper 1536-E, 1962.

16. Drinking Water Regulations and Health Advisories, U. S. Environmental Protection Agency, Office of Water, 1991.

17. Handbook of Environmental Fate and Exposure Data for Organic Chemicals, Vol. II, Philip H. Howard, Lewis Publishing Co., 1991.

18. Hazardous Chemicals Desk Reference, N. Irving Sax and Richard J. Lewis, Sr., 1987.

19. Drinking Water Quality: Standards and Controls, John De Zuane, 1990.

20. NIOSH Pocket Guide to Chemical Hazards, U. S. Department of Health and Human Services, 1990.

2.O HYDROGEOLOGIC SETTING

The Delta Automotive, Inc. facility is located within Section 33, Township 3 South, Range 11 West, at 103 South Atlanta Avenue, Sheffield, Colbert County, Alabama (Figures 1 and 2). The site is situated within the Tennessee Valley Area of the Interior Low Plateaus Physiographic Province of north Alabama. The site is immediately underlain by the Tuscumbia Limestone of Mississippian Age. The Tuscumbia typically comprises light gray, partly oolitic (near the top), fine to very coarse grained bioclastic limestone (crinoidal limestone is common). The Tuscumbia also contains light gray chert nodules and concretions. It ranges up to 200 feet in thickness. The limestone is infrequently exposed in outcrop, those localities being primarily sinkholes and road cuts.

The Tuscumbia Limestone is an excellent aquifer. The flow of Tuscumbia Spring has been measured at 62 million gallons per day (MGD). Wells completed in the Tuscumbia are capable of yielding large quantities of water. Groundwater flow is controlled by secondary porosity, occurring primarily through solution openings and solution-enlarged bedding planes and joints.

The Tuscumbia weathers to a reddish-brown residual soil generally from 20 to 40 feet thick. At some locations, the clay soils act as an impervious cap over solution openings in the underlying bedrock. As observed during drilling, the native soil consists of chert-fragment rich plastic clay. A geologic cross-section is shown in Figure 3.

The site is very level, with immediate surface water drainage toward the south and southwest. Water-level measurements obtained from site monitoring wells show that shallow groundwater flow in the surficial aquifer is to the west or northwest.

Regional surface and groundwater flow is ultimately towards Pickwick Lake, located to the north, slightly more than a mile from the site.

3.0 MONITORING WELL NETWORK

The entire monitoring well network at the site consists of seven wells: MW-1, MW-2, MW-3B, MW-4, MW-5, MW-6 and MW-7. A monitoring well summary is presented in Table 1. Well schematics are provided in Appendix A and boring logs are provided in Appendix B. Four monitoring wells (MW-1, MW-2, MW-3B and MW-4) were installed at this site in 1991. Three additional (new) wells (MW-5, MW-6 and MW-7) were installed as part of the current GWQA effort. The Department directed that a total of four monitoring wells (one upgradient, one deep, the most contaminated well, and one downgradient) be utilized for this GWQA. Of the seven site wells, the four wells monitored for this GWQA are MW-3B, MW-5, MW-6 and MW-7. MW-7 is the upgradient well, MW-5 is the deep well, MW-3B is the most contaminated well, and MW-6 is the downgradient well. These wells were sampled and the groundwater analyzed to assess the impact of plant operations on the groundwater quality beneath the site.

The monitoring wells were constructed of 2-inch ID, Schedule 40 PVC screen and riser pipe. The well screen consisted of a ten-foot section with 0.010-inch slots. A flush-threaded PVC plug was installed at the bottom of each well screen. Prior to installation, the casing and screen sections were thoroughly washed using a high-temperature, high-pressure sprayer.

Once the screen and casing sections were assembled and placed in the borehole, a sand pack consisting of washed and bagged rounded silica sand compatible with the screen slot size and formation material were tremied into the borehole. The sand pack was placed to extend at least two feet above the top of the screen. After the top of the sand pack was verified, a three (3) foot seal consisting of pelletized bentonite was installed above the sand pack. After the seal was allowed to hydrate, the annular space was grouted to land surface.

Deep well MW-5 was double-cased to seal off near-surface soils and prevent any potential contaminants from being carried down to deeper levels. For this well, a 10-inch diameter borehole was advanced to 20 feet. An 8-inch diameter Schedule 80 PVC surface casing was set to this depth, then grouted into place. The well was then underreamed and drilled to

total depth, and the 2-inch PVC casing installed. Well completion then proceeded as described for the shallow wells. The installation of the deep well (MW-5) provides a nested location with well MW-3B, allowing the collection of both shallow and deeper groundwater from a small defined area.

All monitoring wells except for MW-6 and MW-7 were completed with an above-ground stickup. Each well is protected by a section of 4-inch diameter steel surface casing that is supported by a concrete pad that slopes radially away from the well. The surface casing is equipped with a hinged, locking protective steel cover. Wells MW-1 and MW-2 are in vulnerable plant locations and are protected by cement-filled steel guardposts. Wells MW-6 and MW-7 are located in offsite high-traffic areas (roadways), so they were installed with flush-mount surface completions.

Drilling equipment was decontaminated at a designated decontamination area with a steam cleaner and laboratory-grade detergent prior to and between drilling locations. Runoff from the decontamination area was contained in a lined, bermed area and containerized pending analysis as to final disposition.

Each site was restored to its former condition following the completion of each well. All drill cuttings were properly containerized in clean 55-gallon drums onsite pending analytical results. Analytical results (Table 2) indicated that the soils were non-hazardous; therefore, Delta Automotive disposed of them onsite. The monitoring well borings were logged by a qualified geologist and well elevations were surveyed in by a licensed surveyor.

4.0 SOILS INVESTIGATION

The soils investigation for this site incorporated three tasks: (1) contamination investigations that were conducted during 1989 and 1990; (2) analysis of soils obtained during the drilling of new monitoring wells; and (3) a soil gas survey.

4.1 INITIAL SAMPLING AND ANALYSIS

The Mid-South Testing Report of September, 1989 (described as "August, 1989" in the Administrative Order) presented results of soil sampling and analysis at the site. Results indicated that shallow soils (0-24" depth) in three drum storage areas were contaminated with toluene, xylene, benzene, styrene, MIBK, isopropylbenzene, bromobenzene, ethylbenzene, MEK, 1,1,1-Trichloroethane and carbon tetrachloride (Appendix C of Appendix C).

Additional soil sampling and analysis by GAI (August, 1990) was conducted at this site (Appendix C). The results of this effort showed that contamination with volatile organic compounds (VOCs) was present at a depth of 10 feet in one of the drum storage areas previously sampled by Mid-South Testing. This area is located just west of the present plant operations building. Other results of this effort showed contamination by various VOCs

extending to a depth of 20 feet in the central portion of the property adjacent to the wood frame structure originally used as the parts disassembly area.

4.2 CURRENT SAMPLING AND ANALYSIS

During drilling of the new monitoring wells, samples of soil were obtained from the boreholes at 2-foot intervals, where there was sufficient recovery. Samples were collected using hollow-stem auger techniques and brass ring samplers (each split spoon contained four 6-inch long rings). After each split spoon was retrieved and opened, the topmost ring was discarded, and the second and third rings from the top were submitted to the laboratory for analysis. The contents of the bottommost ring were extruded into a glass container and field-screened with a Flame Ionization Detector/OVA meter using headspace analysis and also used for formation description. Any sample showing a concentration in excess of the background value was submitted for laboratory analysis for volatile organic compounds.

Results of laboratory analyses are provided in Table 2.

4.3 SOIL GAS SURVEY

A soil gas survey was conducted to identify any areas of potential contamination not already identified by previous investigations. Sampling locations were established on the site (Figure 4), and the survey was conducted using a portable gas chromatograph (GC). Because of site characteristics and onsite structures, a true sampling grid could not be established. Steel vent probes measuring 36 inches in length, with slots present in the lowermost 18 inches were used.

The soil vent probes were installed at twenty (20) different locations, and were driven to an approximate depth of 2.5 feet. Polyethylene tubing was attached from the upper portion of the probe to an electric vacuum pump. Soils at each sampling point were extracted (purged) for approximately 5 minutes prior to injecting the air sample from that point into the portable gas chromatograph. Graphic representations of the data were printed on an Esterline Angus strip-chart recorder, and are included in Appendix D. Identification of chemical constituents within the soil was based on the retention time of the constituents within the column of the GC.

The most common constituents identified from the soil gas survey include the following: Trichloroethylene, 1,1,1-Trichloroethane, 1,1-Dichloroethane, trans 1,2-Dichloroethylene, Dichloromethane, Tetrachloroethylene and Benzene.

Based on the GC results, 1,1,1-Trichloroethane, Trichloroethylene and 1,1-Dichloroethane, which is a chemical used in the production of 1,1,1-Trichloroethane, are present at Sample Point 1. Trichloroethylene appears to be present at Sample Points 2, 3, 9, 14 and 17. 1,1-Dichloroethane was also detected at Sample Point 17. trans 1,2-Dichloroethylene, which is a breakdown product of common industrial solvents such as Trichloroethylene and

Tetrachloroethylene, is apparently present at the location of Sample Points 6 and 12. Carbon Tetrachloride, a metal degreaser, was detected at Sample Point 7. Benzene is also believed to be present at Sample Point 7, as well as Sample Points 14 and 16. Dichloromethane, which was detected through the drilling and sampling program conducted during the previous investigation in 1990, under the synonym Methylene Chloride, is apparently present at Sample Points 14,16 and 17.

Other components with similar retention times, which could not be identified with an acceptable level of confidence, were detected at Sample Points 5, 6, 11, 13 and 16. No volatile constituents are believed to be present in the immediate vicinity of Sample Points 8, 10, 18, 19 and 20.

Listings of each constituent(s) believed to be present within the soil at each Sample Point is included within Appendix D. A contour map of total VOCs from the soil gas survey is shown in Figure 5.

5.0 GROUNDWATER INVESTIGATION

5.1 INITIAL SAMPLING AND ANALYSES

A groundwater investigation was conducted by GAI during 1991, utilizing samples obtained from monitoring wells MW-1, MW-2, MW-3B and MW-4. At least one of five encountered VOC constituents was found to be present in all of the groundwater samples analyzed. These compounds were Trichloroethylene, 1,1-Dichloroethane, 1,1-Dichloroethylene, Trichloroethane and 1,2-Dichloroethylene, all at concentrations exceeding the respective Maximum Contaminant Levels (Appendix E).

5.2 CURRENT SAMPLING AND ANALYSES

In accordance with the Department requirements, groundwater from the upgradient well, deep well, most contaminated well and the farthest downgradient well were analyzed for various constituents. Per instruction from Mr. Steven O. Jenkins, groundwater from these wells was sampled during three consecutive monthly events.

For all three sampling events, groundwater was subjected to analysis for those constituents which have been managed at the facility which are identified in ADEM Admin. Code R. 335-14-2 Appendix VIII, as well as naphthalene and xylene, and those constituents which have been previously detected in the soils or groundwater.

5.2.1 First Event

During the initial sampling event, the groundwater was analyzed for those constituents found in ADEM Admin. Code R. 335-14-5 Appendix IX. In addition, analyses were conducted for Admin. Code R. 335-14-6-.06(3)(b)(1-3), as well as those constituents

identified in 5.2 (above). Analytical results are shown in Table 3. Total VOC concentrations are graphically represented in Figure 6a.

5.2.2 Second Event

Groundwater samples obtained during the second event were analyzed for those parameters listed in 5.2 (above), as well as VOCs (including isopropylene and bromobenzene), and the constituents in Admin. Code R. 335-14-6-.06(3)(b)(1-3). Analytical results are provided in Table 4. Total VOC concentrations are graphically represented in Figure 6b.

5.2.3 Third Event

Groundwater samples obtained during the third event were anlayzed for the same parameters as those of the second event (see section 5.2.2). Analytical results are given in Table 5. Total VOC concentrations are graphically represented in Figure 6c.

5.2.4 Decontamination and Sampling Methodology

Prior to the commencement of sampling activities, between sample locations and after sampling activities were completed, all sampling equipment (with the exception of disposable bailers or other disposable equipment) was decontaminated. Teflon™ bailers and the line used to lower them into the well were replaced between wells. In accordance with the U.S. EPA's "RCRA Ground Water Monitoring Technical Enforcement Guidance Document," other sampling equipment was scrubbed with laboratory-grade detergent, rinsed with potable water, rinsed with distilled water, rinsed with acetone and then rinsed with pesticide-grade hexane.

All wells were developed within 24 hours of completion. Just prior to well development a static water-level measurement was obtained. Each well was developed by pumping until the discharge water was turbidity free to the fullest extent possible.

A minimum of three days was allowed between well development and well sampling to ensure complete stabilization. Wells suspected of having the highest contamination were sampled last in order to minimize the potential for cross-contamination.

Before purging and sample collection, static water-level measurements were taken at each well, using an electronic water-level indicator. Depths to groundwater were used to calculate the volume of standing water in each well prior to purging. The water-level indicator and measuring tape were decontaminated between wells.

Before groundwater samples were collected, three to five casing volumes of water were purged from each well (except MW-3B), using a submersible pump. Because of very slow recharge, MW-3B was pumped to dryness and allowed to recover. Prior to commencement

of well purging operations, between wells and after completion of well purging, the pump and all appurtenances were thoroughly washed with a laboratory-grade detergent and rinsed with potable water.

Groundwater samples were collected within 24 hours of purging each well. Samples were obtained with dedicated, disposable teflon bailers and dispensed into the appropriate laboratory-prepared sample containers using a special bottom-emptying device. All precautions were taken to minimize the amount of agitation of the standing water in the well and in the sample to prevent outgassing of VOCs. All required preservatives were added to the sample containers prior to field utilization. Each sample container was labeled, wrapped in bubblepack and placed immediately in coolers containing Blue Ice or packaged water ice to reduce and maintain a sample temperature of 4 degrees C or lower. Sample coolers were shipped to the laboratory via overnight carrier.

Field measurements for temperature, pH, specific conductance and alkalinity were obtained for all groundwater samples. Field instrument calibration was performed at the start of each sampling day. Field data are shown in the sampling logs (Appendix F).

Purged well water, decontamination water and development water were collected, containerized in clean drums and stored onsite pending analytical results. Subsequently, the Department approved of Delta Automotive, Inc. disposing of this water by first notifying the local sanitary sewer authority and then discharging to an onsite sanitary sewer inlet.

5.3 AQUIFER TESTS

Aquifer (slug) tests were performed on the shallow site monitoring wells MW-3B, MW-6 and MW-7 after the completion of groundwater sampling. An additional slug test was attempted on deep well MW-5; however, due to an equipment malfunction this test could not be accomplished.

The slug tests that were conducted consisted of short duration single well tests. Slug tests were conducted by causing an "instantaneous" change in groundwater level by the introduction of a known volumn of water. The slug consisted of one-half gallon of distilled water suddenly introduced into the well. The water level recovery with time was then monitored with a Slope Indicator Data Logger and pressure transducer. Data was downloaded in the field to a computer for subsequent analysis.

The data collected during this test was analyzed using standard techniques to determine the hydraulic conductivity of the surficial water-bearing zone. The use of these methods provide point values for the hydraulic conductivity of the water-bearing zone, from which the transmissivity of the aquifer can be determined. Data collected during the aquifer tests was analyzed using the Hvorslev method and the Bouwer and Rice method. Water-level measurements for wells MW-3B and MW-6 showed that the shallow groundwater at these locations was unconfined; the Bouwer and Rice method was used to analyze the slug tests

on these wells. The groundwater elevation in well MW-7 indicated that the shallow groundwater at this location was slightly artesian (confined); the method of Hvorslev was used to analyze slug test data from this well. Slug test calculations and supporting information are included in Appendix G.

The water-level recoveries observed during these tests were extremely slow, qualitatively indicating that the shallow wells were completed in relatively impermeable to very slowly permeable materials. The hydraulic conductivity (K) calculated for the wells is: 0.0003 ft/day (MW-3B); 0.167 ft/day (MW-6); and 0.37 ft/day (MW-7). Based on field observations of a saturated thickness (b) of about 17 feet, transmissivity (T) values could be calculated from the formula T=Kb. Transmissivities for the shallow monitoring wells are, therefore: 0.006 ft^2/day (MW-3B); 2.84 ft^2/day (MW-6); and 6.29 ft^2/day (MW-7). As defined by Freeze and Cherry (1979), the transmissivity for a "good aquifer" is a value greater than 13,824 ft^2/day. On the basis of the slug test results, the uppermost water-bearing zone underlying the site does not constitute a defined "aquifer", since the highest known transmissivity value in this shallow zone is four orders of magnitude lower than the accepted criterion for an "aquifer". In fact, the hydraulic conductivity for MW-3B as calculated from the slug test is equivalent to 1.2×10^{-7} cm/sec, which is usually considered "impermeable" clay.

A slug test of the deep well was not completed and is inconclusive due to equipment failure; however, observations made by onsite staff were that the slug immediately depressed the water-level which then recovered to the static water level very quickly. This may be indicative of movement through solution openings in the limestone bedrock within which the well was completed, and a high hydraulic conductivity/transmissivity.

6.0 DATA EVALUATION

Laboratory reports for soil and groundwater analyses are provided in Appendix I.

6.1 SOILS

Based upon prior soil investigations and the current soil surveys, site soils are known to be contaminated with volatile organic compounds. The area of highest near-surface (0-2.5 feet) contamination is located immediately east of, and adjacent to, the production (sheet metal) building. Contamination at depths ranging from 2.5 to approximately 20 feet was found to be present at three locations: (1) immediately east of the brick and wood frame structure in the central portion of the property; (2) the location of MW-3B; and (3) an area west and adjacent to the production building. The soil gas survey confirmed the results of earlier investigations, from which it can be estimated that there are at least 1,250 cubic yards of contaminated soils onsite.

6.2 GROUNDWATER

6.2.1 Flow Regime

Water levels in monitoring wells MW-3B, MW-5, MW-6, and MW-7 were measured at the time of all three sampling events. Water-level elevations are provided in Table 6. Groundwater elevations show that the three shallow wells (MW-3B, MW-6 and MW-7) are completed within a surficial water-bearing zone occurring in soil and cherty residuum above bedrock. At the location of MW-7, the groundwater appears to be under slight artesian (confined) conditions, with the groundwater level slightly above the top of the aquifer (Figure 3). However, this well appears to be in hydraulic communication with the same surficial water-bearing zone as the other two shallow wells, where the water table is also very close to the top of the "aquifer".

The groundwater levels in the three shallow wells were measured to be within 5 to 10 feet of each other at any one sampling event. The configuration of the water table surface as derived from water-level measurements for these three wells is shown in Figures 7a through 7c. The hydraulic gradient across the site at the time of this GWQA averages about 0.02 ft/ft. As can be seen in Figures 7a, 7b and 7c, the direction of shallow groundwater flow is to the west or northwest. The flow direction appears to fluctuate with recharge events. For instance, the first measuring event (shown in Figure 7a), in which shallow groundwater flow was to the west, occurred immediately after a significant storm (recharge) event.

The average linear flow velocity for the shallow aquifer can be determined by the formula

$$V = \frac{Ki}{S_y}$$

where V is the average linear velocity, K is the average hydraulic conductivity, i is the average hydraulic gradient, and S_y is the effective porosity. Using an average K of 0.54 ft/day, an average i of 0.02 ft/ft, and an effective porosity of 0.40 (actually the lowest value of volumetric porosity for clay), the average linear volocity in the shallow water-bearing zone at the site is about 0.03 ft/day.

A lower bedrock aquifer is also present at the site; this aquifer is artesian, with the overlying residual clays acting as a confining layer. The difference in groundwater elevations at the deep (MW-5) and shallow (MW-3B) paired wells was at least 27 feet at the time of any of the measuring events. The hydraulic gradient at these paired wells is 1.09 ft/ft (Figure 8), with a vertically downward component of flow. Given the existing topography in the site vicinity, the vertical hydraulic gradient at this location cannot be attributed to topographic control, and is indeed representative of separate aquifer systems. The direction of deep groundwater flow at this site has not been determined; however, the regional discharge area is Pickwick lake, located approximately one mile north of the site.

6.2.2 Quality

Analytical results for the three groundwater sampling events indicate that there are a number of parameters that are above background values and several parameters that exceed established Maximum Contaminant Levels (MCLs) in the groundwater at the site. Most constituents with elevated concentrations are present in the groundwater from well MW-3B, which was being sampled during this GWQA as the most contaminated well. Analytical results for the three groundwater sampling events are summarized in this section.

6.2.2.1 First Sampling Event

Analytical results for this event are provided in Table 3.

MW-3B

Above Background Values:

Bromochloromethane
Benzene
1,2-Dichloroethane
Trichloroethene
Cis-1,3-Dichloropropene
1,1,2-Trichloroethane
Ethylbenzene
M,P-Xylenes
O-Xylenes
Isopropylbenzene
N-Propylbenzene
1,3,5-Trimethylbenzene
1,2,4-Trimethylbenzene
Sec-Butylbenzene
Sodium
Total Organic Carbon
1,1-Dichloroethane

Above MCL Values:

Iron
Manganese
pH (lower than range)

MW-5

Above Background Values:

Sodium
Specific Conductance

Above MCL Values:

Iron
Manganese
pH (lower than range)
Fecal Coliform (above MCLG)

MW-6

Above Background Values:

Sodium
Sulfate
Nitrate (as N)

Above MCL Values:

Iron
Manganese
pH (lower than range)
Fecal Coliform (above MCLG)

MW-7 (BG)

Above Background Values:

NA

Above MCL Values:

Manganese
pH (lower than range)
Fecal Coliform (above MCLG)

6.2.2.2 Second Sampling Event

Analytical results for this sampling event are provided in Table 4.

MW-3B

Above Background Values:

Chloroethane
1,1-Dichloroethane
1,2-Dichloroethane
Isopropylbenzene
1,1,1-Trichloroethane
Arsenic
Silver
Chloride
Sodium
Specific Conductance
Sulfate
Phenol

Above MCL Values:

Iron
Manganese
pH (lower than range)

MW-5

Above Background Values:

Chloroform
1,1-Dichloroethane
Ethyl Benzene
Isopropylbenzene
Toluene
1,1,1-Trichloroethane
1,1,2-Trichloroethane
Chromium
Silver
Chloride
Sodium
Specific conductance
Total Organic Carbon
Sulfate
Phenol

Above MCL Values:

Dichlorobromomethane
Trichloroethylene
Iron
Manganese
pH (lower than range)

MW-6

Above Background Values:

Carbon Tetrachloride
Chloroform
Dichlorobromomethane
Toluene
1,1,1-Trichloroethane
Arsenic
Chromium
Silver
Chloride
Sodium
Specific Conductance
Sulfate

Above MCL Values:

1,1,2-Trichloroethane
Trichloroethylene
Iron
Manganese
pH (lower than range)

MW-7(Background)

Above Background Values:

NA

Above MCL Values:

Iron
Manganese
pH (lower than range)

6.2.2.3 Third Sampling Event

Analytical results for this sampling event are provided in Table 5.

MW-3B

Above Background Values:

1,1-Dichloroethane
1,1,1-Trichloroethane
Barium
Chromium
Lead
Sodium
Total Organic Carbon
Total Organic Halogens
Fluoride
Phenols

Above MCL Values:

Chromium
Iron
Manganese
pH (lower than range)

MW-5

Above Background Values:

1,1,1-Trichloroethane
Iron
Manganese
pH (lower than range)
Sodium
Specific Conductance
Nitrate (as N)

Above MCL Values:

1,1-Dichloroethylene
Iron
Manganese
pH (lower than range)

MW-6

Above Background Values:	Above MCL Values:
1,1,1-Trichloroethane (in MW-6 duplicate sample)	Iron
Chloride (in MW-6 duplicate sample)	Manganese
Sodium	pH (lower than range)
Nitrate (as N)	
Sulfate	
Specific Conductance (in MW-6 duplicate sample)	

MW-7 (Background)

Above Background Values:	Above MCL Values:
NA	Iron
	Manganese
	pH (lower than range)

For all sampling events and all monitoring well locations, concentrations of iron and manganese were above drinking water limits and the pH was lower than the acceptable range for drinking water. Since this groundwater is not used for drinking water purposes, these values for these constituents are not considered significant. Other constituents detected during all sampling events are: sodium, total organic carbon, specific conductance and sulfate, although each of these constituents was present at levels well below the drinking water limit.

Only one VOC (1,1-Dichloroethane) was present in groundwater from at least one monitoring well location during all three events. This compound was present in groundwater from MW-3B upon all three occasions. 1,1-Dichloroethane was also detected to be present in groundwater from deep well MW-5 during the second event, although it was detected at a concentration below the MCL.

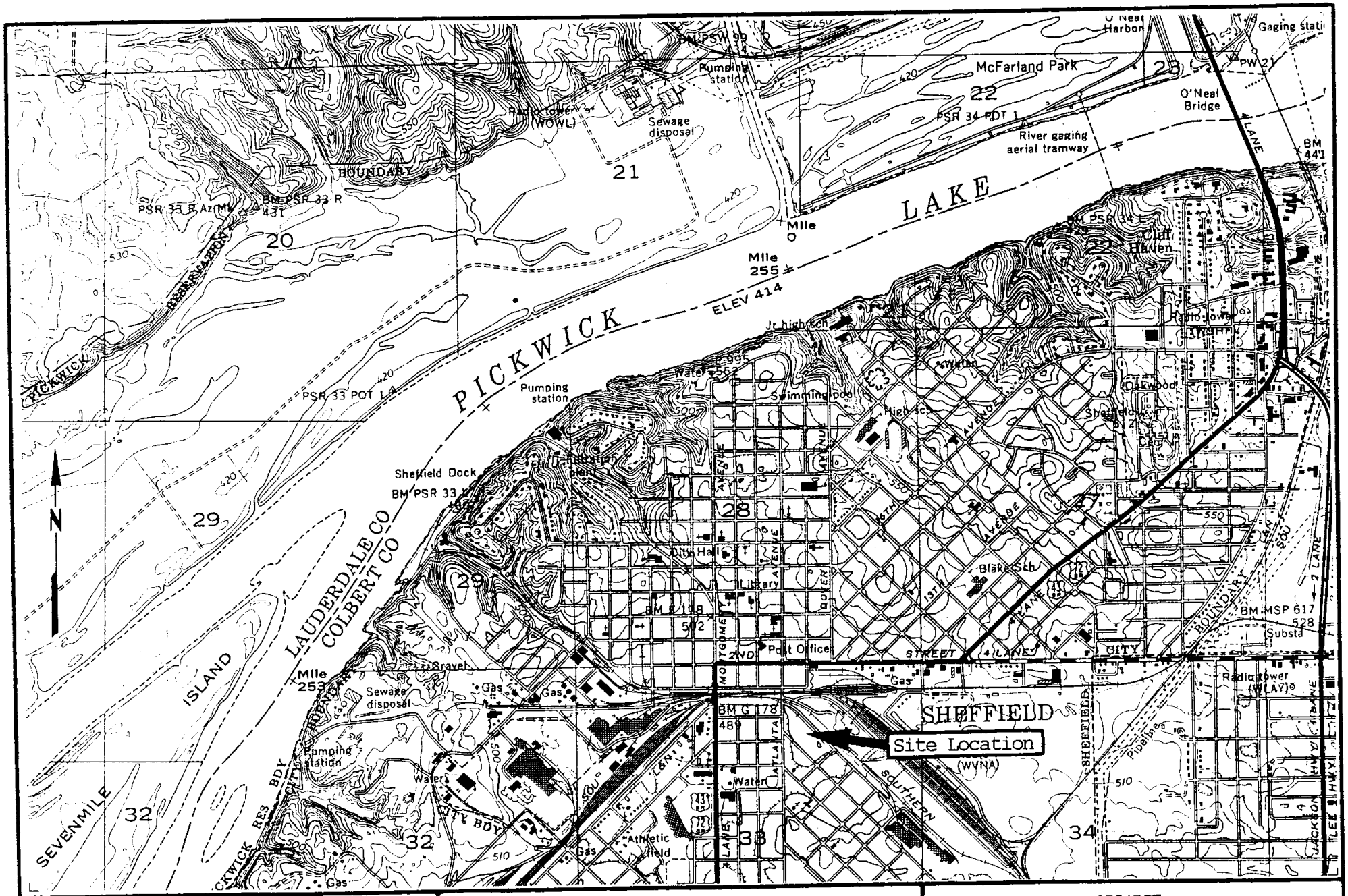
In addition to 1,1-Dichloroethane, other VOCs were detected in groundwater from the deep well upon at least one occasion. These compounds are: chloroform; ethylbenzene; isopropylbenzene; toluene; 1,1,1-Trichloroethane; 1,1,2-Trichloroethane; dichlorobromomethane (above the MCL); trichloroethylene (above the MCL); and 1,1-Dichloroethylene (above the MCL). Additional constituents detected in groundwater from MW-5 are: chromium; chloride; silver; and nitrate.

Groundwater from the downgradient well (MW-6) was found to contain several constituents during at least one sampling event for this GWQA. Other than the ubiquitous iron, manganese and low pH, there were two other constituents analyzed at levels in excess of the respective MCLs. These are: 1,1,2-Trichloroethane and Trichloroethylene. Levels of the following constituents were detected to be present above background levels; Nitrate (as N); fecal coliform; Carbon Tetrachloride; Chloroform; Dichlorobromomethane; Toluene; 1,1,1-Trichloroethane; arsenic; chromium; and silver.

7.0 SUMMARY AND CONCLUSIONS

Contaminated soils and groundwater are present at this site. Based on analytical results from monitoring well MW-6, there also appears to have been shallow offsite migration of several contaminants. Several contaminants have also been detected in groundwater from MW-5 (completed in the deeper aquifer).

Closure performance standards based on the conclusions of this Groundwater Quality Assessment will be incorporated into the Closure Plan for this facility. A Closure (including Post-Closure) Plan which meets all applicable requirements of ADEM Admin. Code R. 335-14-5-.07 will be submitted to the Department within 45 days of the date of this GWQA submission. The Closure Plan will be designed to ensure that the contaminated facility areas are closed in a manner that minimizes the need for further maintenance and controls, minimizes or eliminates to the extent necessary to protect human health and the environment, post-closure escape of hazardous waste, hazardous waste constituents, leachate, contaminated run-off, or hazardous waste decomposition products to the ground or surface waters or to the atmosphere.



Gallet and Associates Inc.

LEGEND

Figure No. 1
Site Location

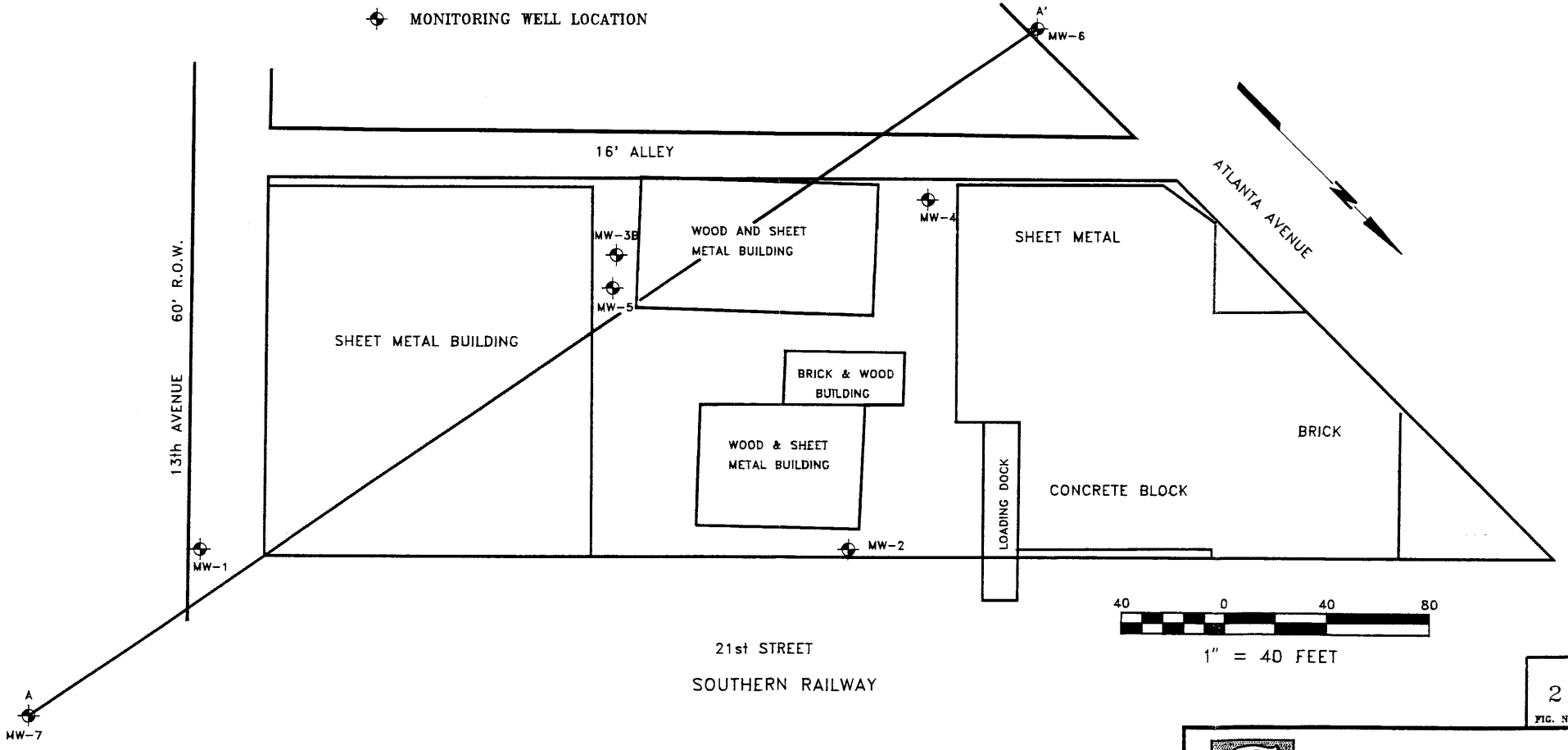
SCALE: 1"=2000'

PROJECT

Ground Water Quality Assessment
Delta Automotive, Inc.
Sheffield, Alabama
Project No.: 91E-04075.02

PROJECT NO.: 91E-04075.02

DRAWN BY: RAY EASTERLING 06/05/92 | CHECKED BY | APPROVED BY



2
FIG. NO.

DATE	NO.	REVISION	BY

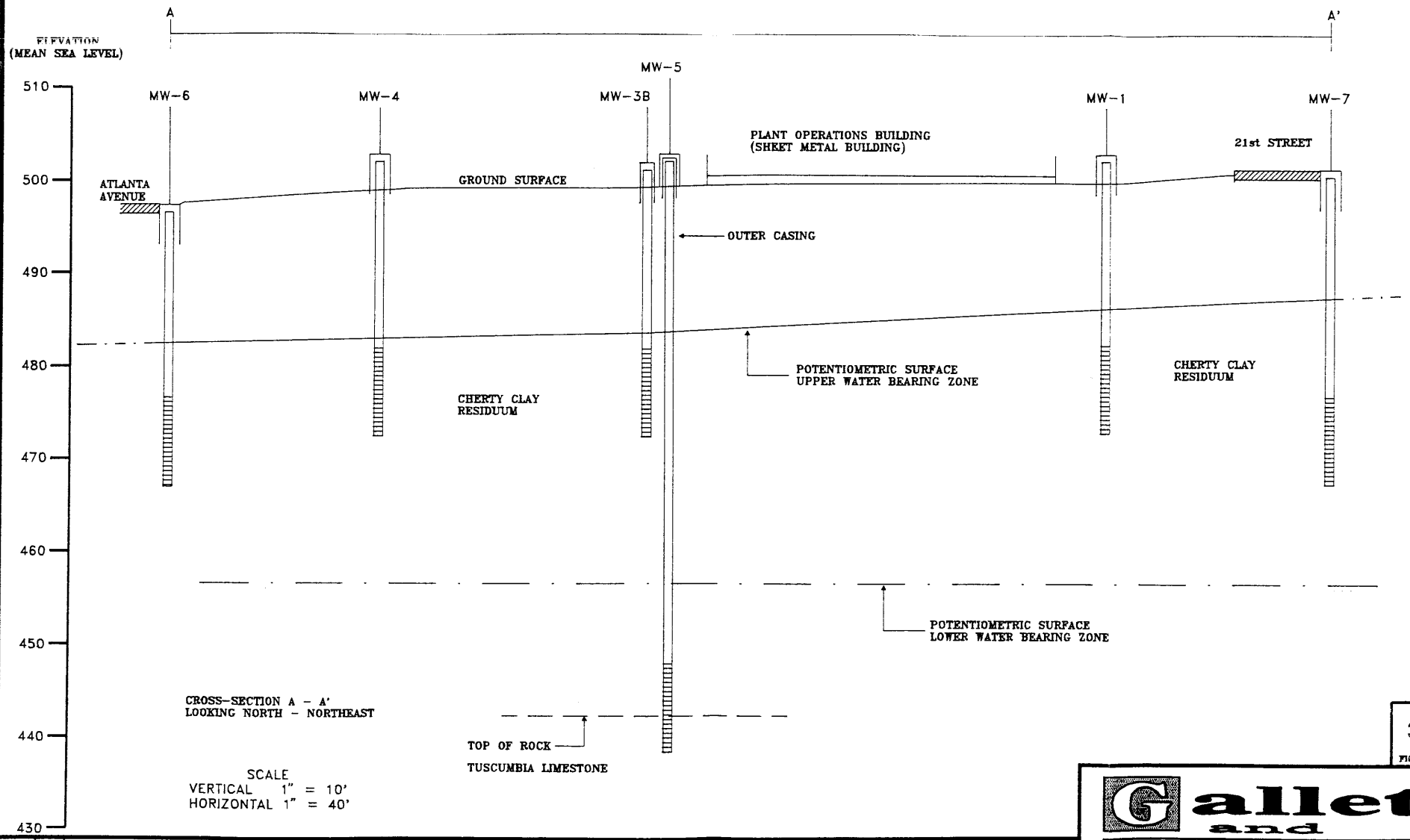
DELTA AUTOMOTIVE, Inc.
GROUNDWATER QUALITY ASSESSMENT
SHEFFIELD, ALABAMA

SITE PLAN

Gallet and Associates, Inc.
GEOTECHNICAL/ENVIRONMENTAL/MATERIALS CONSULTANTS
BIRMINGHAM, ALABAMA (205) 995-8980

PROJECT NO.: 01E-04075.02

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CROSS-SECTION A - A'
LOOKING NORTH - NORTHEAST

SCALE
VERTICAL 1" = 10'
HORIZONTAL 1" = 40'

3
FIG. NO.

DATE	NO.	REVISION	BY

DELTA AUTOMOTIVE, Inc.
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SHEFFIELD, ALABAMA

GEOLOGIC CROSS-SECTION

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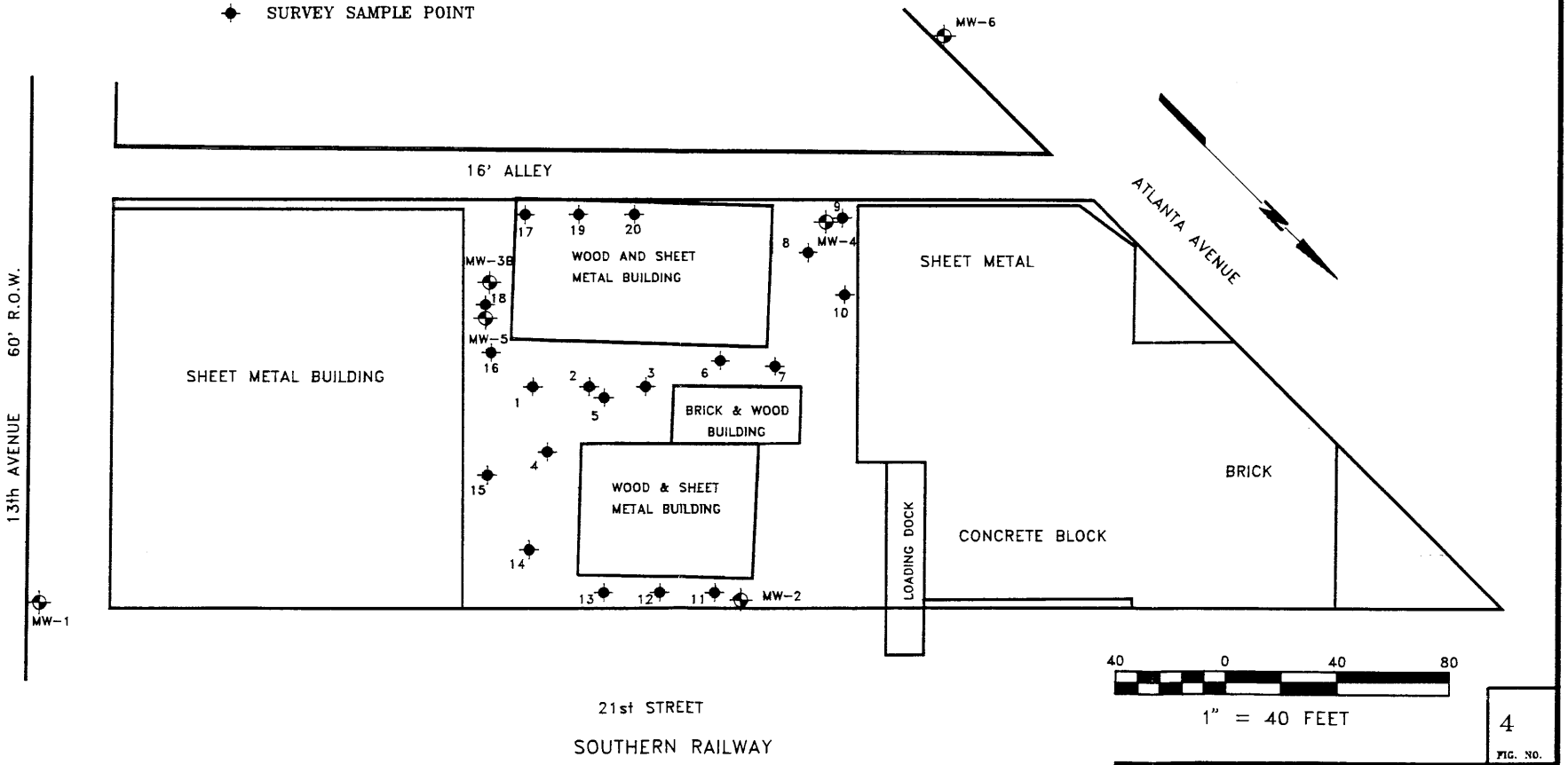
PROJECT No.: 91E-040075.02

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LEGEND

MONITORING WELL LOCATION

SURVEY SAMPLE POINT



4
FIG. NO.

DATE	NO.	REVISION	BY

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GROUNDWATER QUALITY ASSESSMENT
SHEFFIELD, ALABAMA

SOIL GAS SURVEY
SAMPLE POINT LOCATION MAP

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BIRMINGHAM, ALABAMA (205) 995-8980

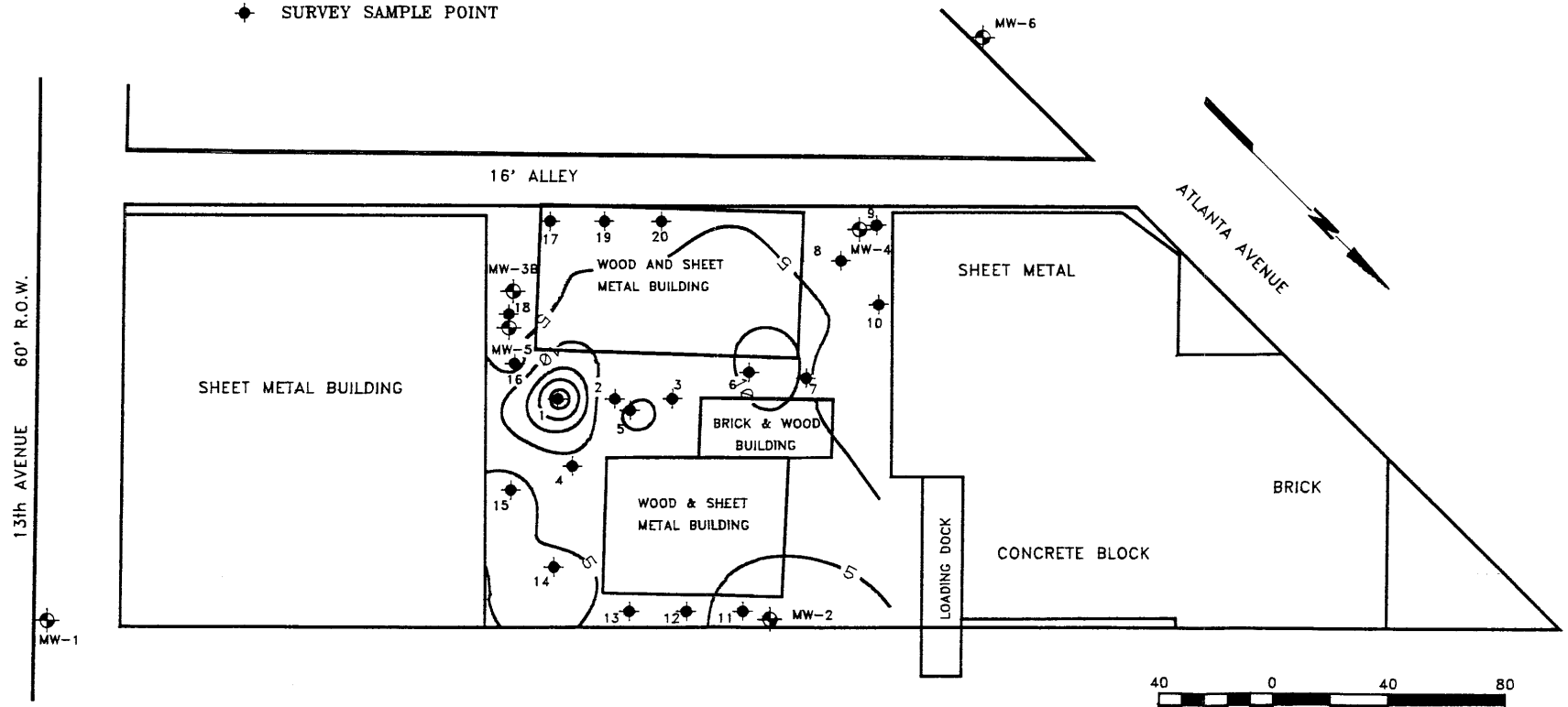
PROJECT NO.: 91E-04075.02

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LEGEND

MONITORING WELL LOCATION

SURVEY SAMPLE POINT



NOTE: VOC CONCENTRATION CONTOUR SHOWN IN PARTS PER MILLION

CONTOUR INTERVAL 5 ppm

MW-7

5
FIG. NO.

DATE	NO.	REVISION	BY

DELTA AUTOMOTIVE, Inc.
GROUNDWATER QUALITY ASSESSMENT
SHEFFIELD, ALABAMA

TOTAL VOC CONCENTRATION CONTOURS

Gallet and Associates, Inc.
GEOTECHNICAL/ENVIRONMENTAL/MATERIALS CONSULTANTS
BIRMINGHAM, ALABAMA (205) 995-8980

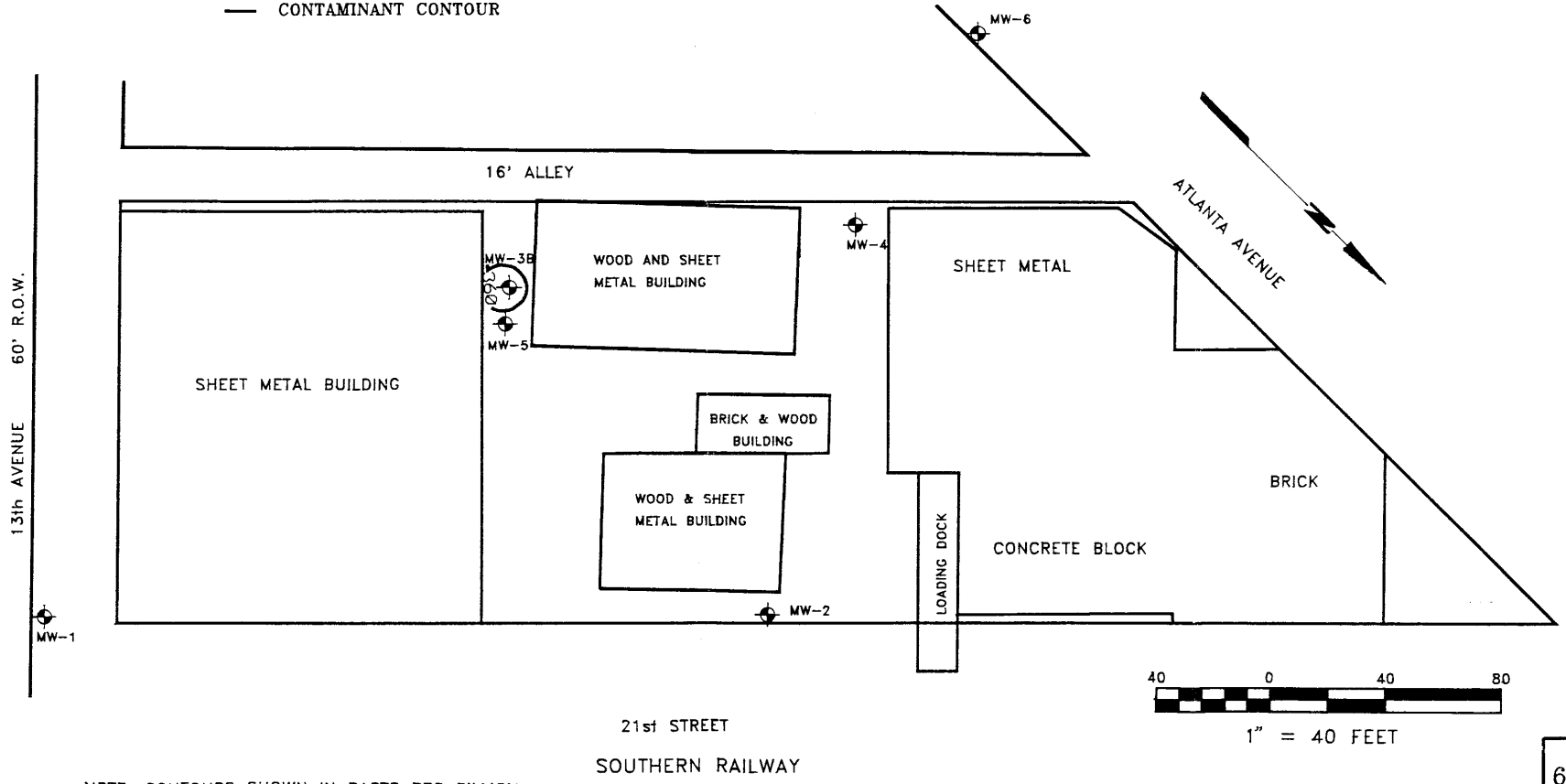
PROJECT NO.: 92-04075.02

DRAWN BY: RAY BASTERLING 06/09/92 | CHECKED BY: | APPROVED BY:

LEGEND

MONITORING WELL LOCATION

CONTAMINANT CONTOUR



NOTE: CONTOURS SHOWN IN PARTS PER BILLION

MW-7

6A
FIG. NO.

DATE	NO.	REVISION	BY

DELTA AUTOMOTIVE, Inc.
GROUNDWATER QUALITY ASSESSMENT
SHEFFIELD, ALABAMA

CONTOUR OF TOTAL VOC CONCENTRATIONS IN GROUNDWATER 03/92

Gallet and Associates, Inc.
GEOTECHNICAL/ENVIRONMENTAL/MATERIALS CONSULTANTS
BIRMINGHAM, ALABAMA (205) 995-8980

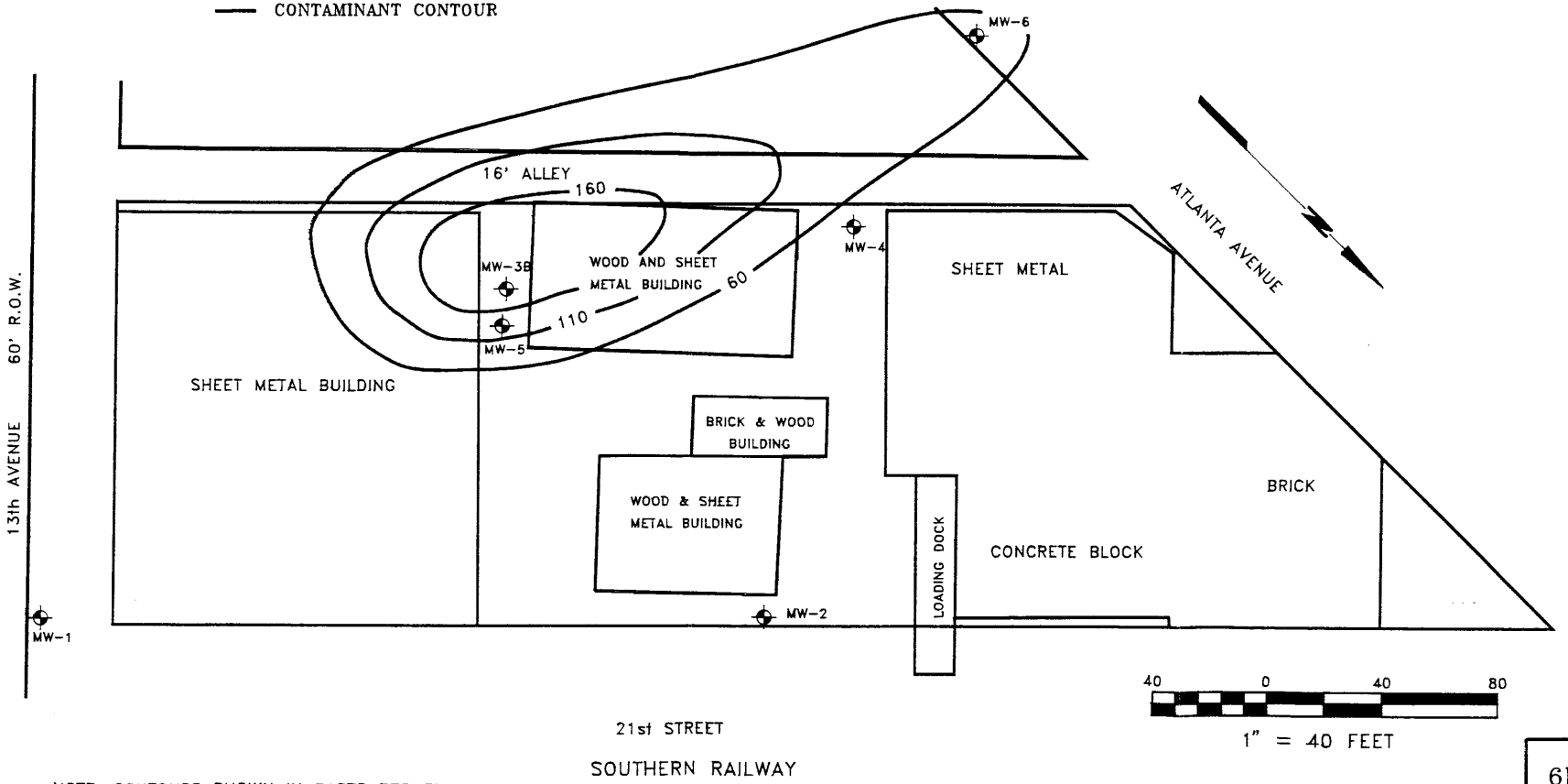
PROJECT No. 91E-04075.02

DRAWN BY RAY EASTERLING 06/08/92 | CHECKED BY | APPROVED BY

LEGEND

MONITORING WELL LOCATION

CONTAMINANT CONTOUR



NOTE: CONTOURS SHOWN IN PARTS PER BILLION
CONTOUR INTERVAL 50 ppb

MW-7

6B
FIG. NO.

DATE	NO.	REVISION	BY

DELTA AUTOMOTIVE, Inc.
GROUNDWATER QUALITY ASSESSMENT
SHEFFIELD, ALABAMA

CONTOUR OF TOTAL VOC CONCENTRATIONS IN GROUNDWATER
04/92

Gallet and Associates, Inc.
GEOTECHNICAL/ENVIRONMENTAL/MATERIALS CONSULTANTS
BIRMINGHAM, ALABAMA (205) 995-8980

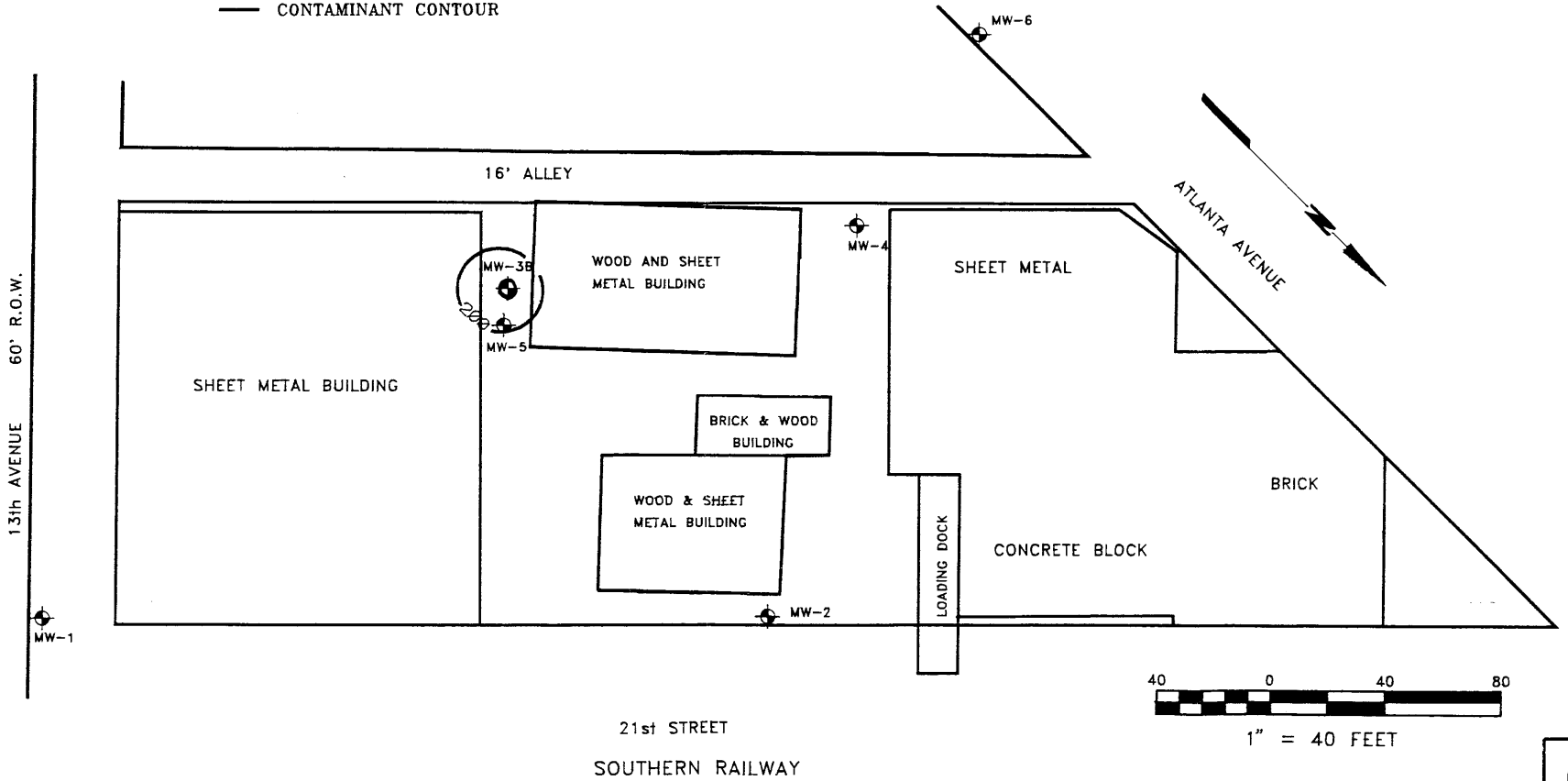
PROJECT NO.: 91E-04075.02

DRAFN BY: RAY EASTERLING 06/05/92 | CHECKED BY: | APPROVED BY:

LEGEND

MONITORING WELL LOCATION

CONTAMINANT CONTOUR



NOTE: CONTOURS SHOWN IN PARTS PER BILLION
CONTOUR INTERVAL 10 ppb

6C
FIG. NO.

DATE	NO.	REVISION	BY

DELTA AUTOMOTIVE, Inc.
GROUNDWATER QUALITY ASSESSMENT
SHEFFIELD, ALABAMA

CONTOUR OF TOTAL VOC CONCENTRATIONS IN GROUNDWATER 05/92

Gallet and Associates, Inc.
GEOTECHNICAL/ENVIRONMENTAL/MATERIALS CONSULTANTS
BIRMINGHAM, ALABAMA (205) 995-8980

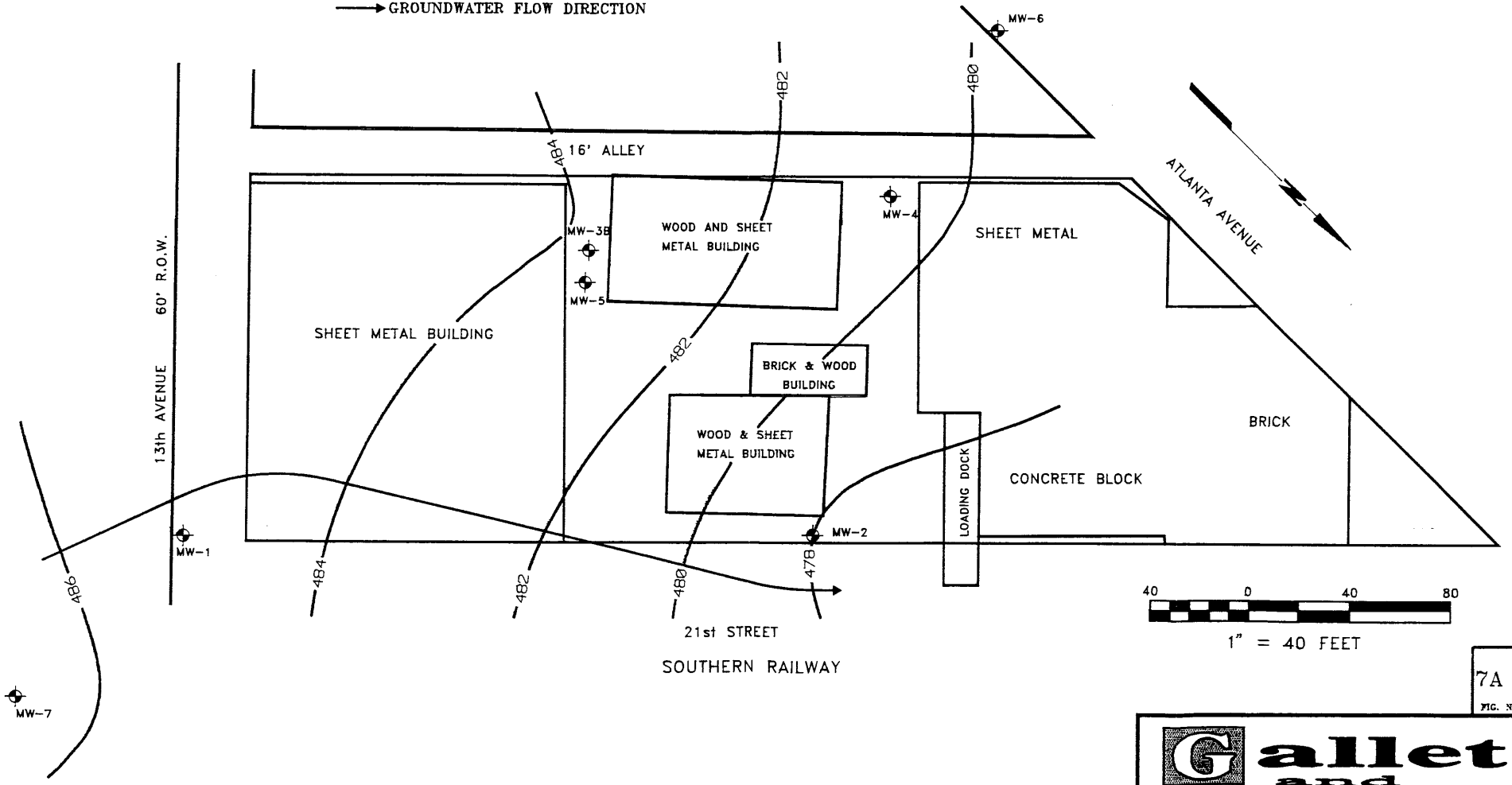
PROJECT NO.: PIE-04075.02

DRAWN BY: RAY EASTERLING 06/05/92 | CHECKED BY: | APPROVED BY:

LEGEND

MONITORING WELL LOCATION

GROUNDWATER FLOW DIRECTION



7A
FIG. NO.

DATE	NO.	REVISION	BY

DELTA AUTOMOTIVE, Inc.
GROUNDWATER QUALITY ASSESSMENT
SHEFFIELD, ALABAMA

POTENTIOMETRIC SURFACE CONTOURS
03/92

Gallet and Associates, Inc.
GEOTECHNICAL/ENVIRONMENTAL/MATERIALS CONSULTANTS
BIRMINGHAM, ALABAMA (205) 995-8980

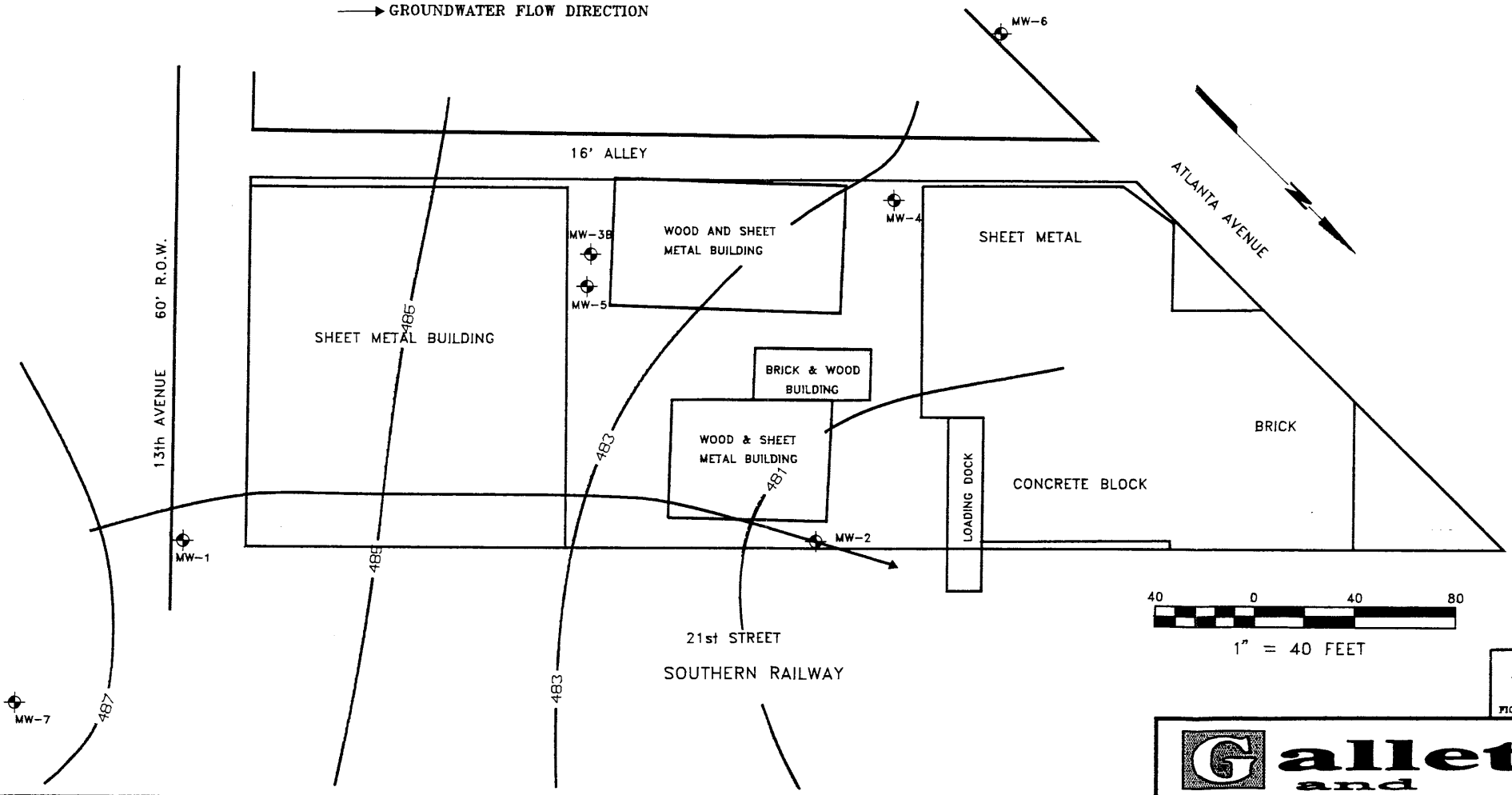
PROJECT NO.: 91F-04075.02

DRAWN BY: RAY EASTERLING 06/05/92 | CHECKED BY: | APPROVED BY:

LEGEND

MONITORING WELL LOCATION

GROUNDWATER FLOW DIRECTION



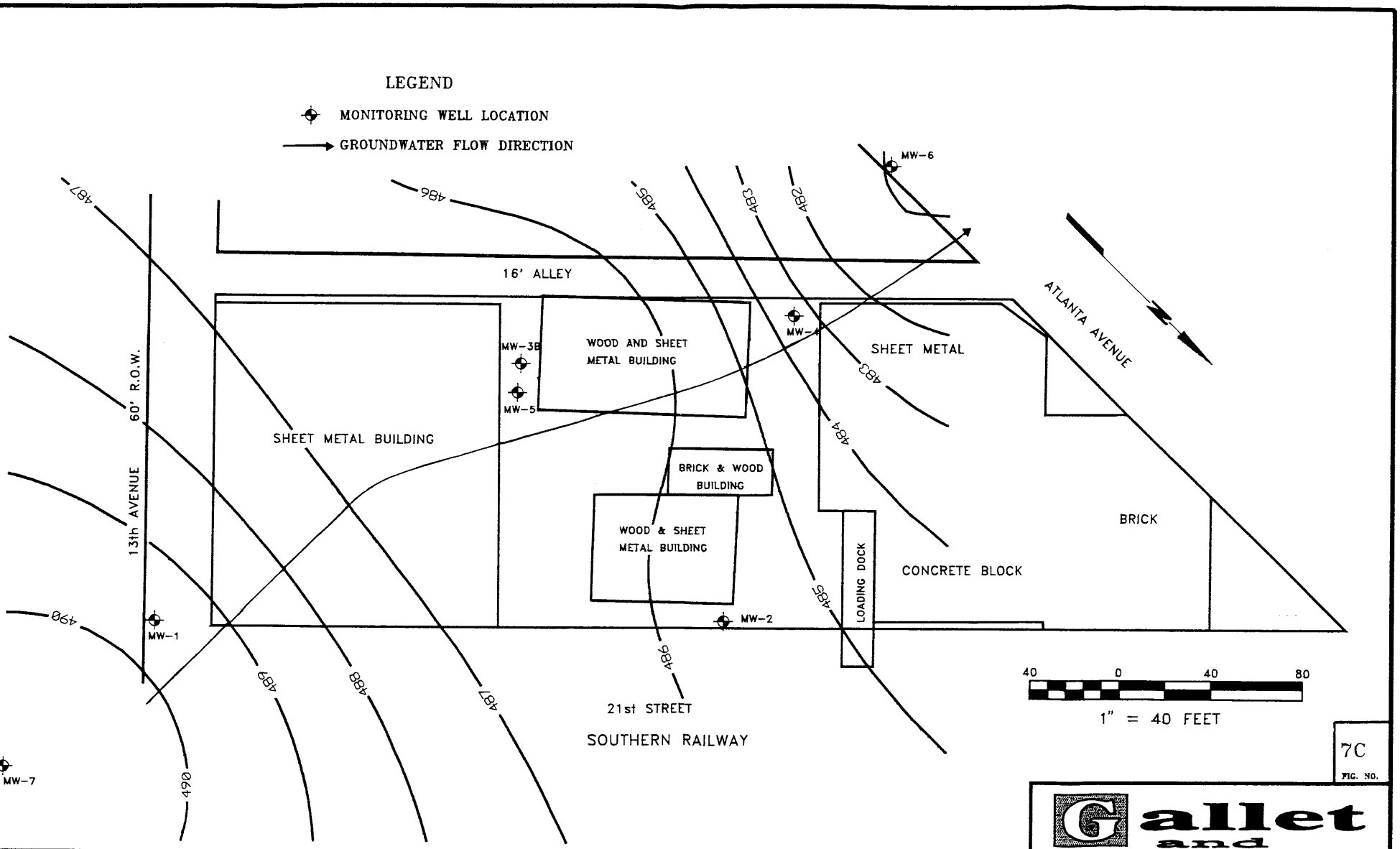
7B
FIG. NO.

DATE	NO.	REVISION	BY

DELTA AUTOMOTIVE, Inc.
GROUNDWATER QUALITY ASSESSMENT
SHEFFIELD, ALABAMA

POTENTIOMETRIC SURFACE CONTOURS
04/92

Gallet and Associates, Inc.
GEOTECHNICAL/ENVIRONMENTAL/MATERIALS CONSULTANTS
BIRMINGHAM, ALABAMA (205) 995-8980



PROJECT NO.: 91E-04075.02

DRAWN BY: RAY BATERLING 05/06/92 | CHECKED BY: | APPROVED BY:

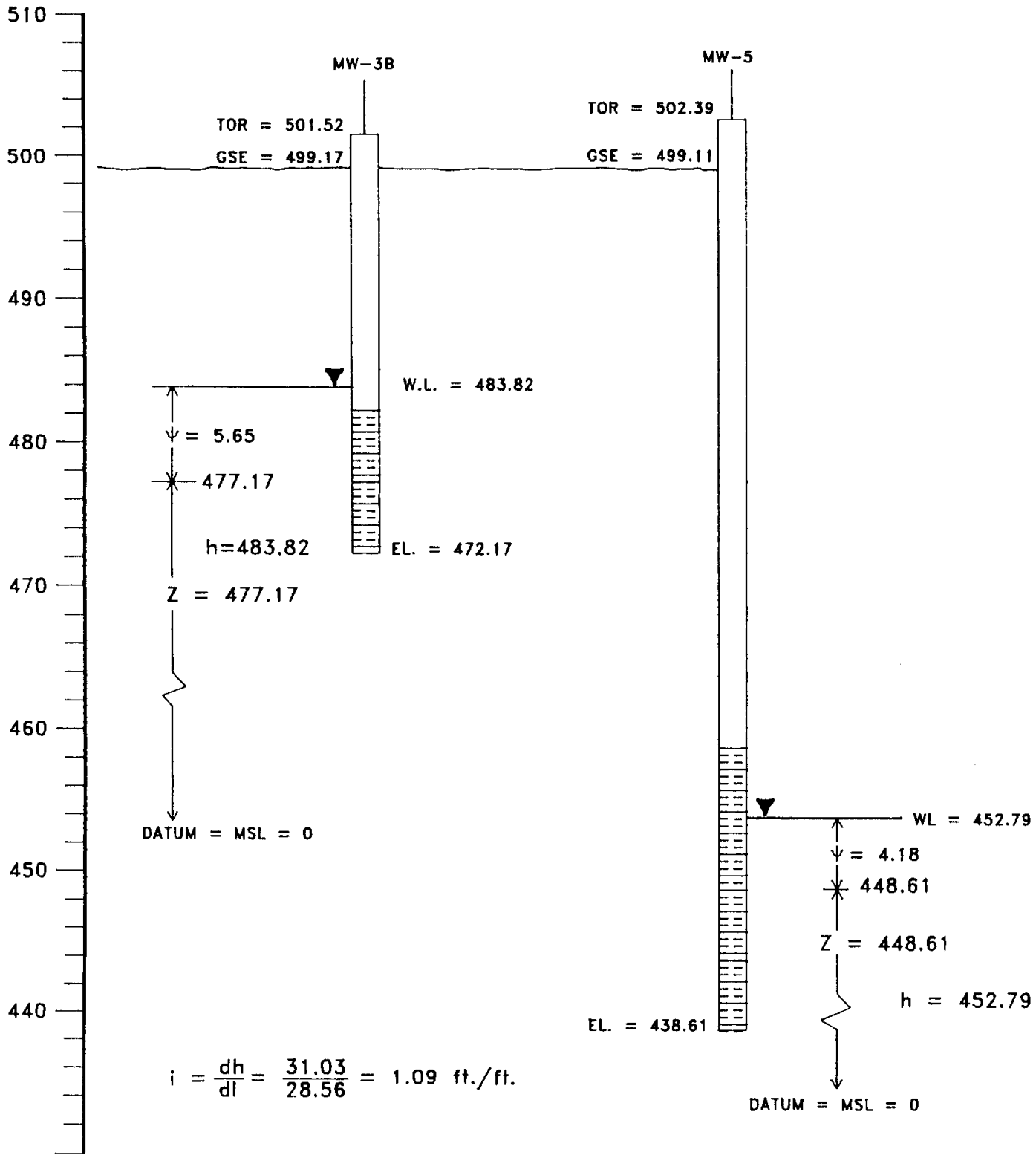
7C
FIG. NO.

DATE	NO.	REVISION	BY

DELTA AUTOMOTIVE, Inc.
GROUNDWATER QUALITY ASSESSMENT
SHEFFIELD, ALABAMA

POTENTIOMETRIC SURFACE CONTOURS
05/92

Gallet and Associates, Inc.
GEOTECHNICAL/ENVIRONMENTAL/MATERIALS CONSULTANTS
BIRMINGHAM, ALABAMA (205) 995-8980



Gallet and Associates Inc.

LEGEND

FIGURE NO. 8

HYDRAULIC HEAD DISTRIBUTION
PAIRED WELLS MW-3B/MW-5

SCALE:

PROJECT

GROUNDWATER QUALITY ASSESSMENT
DELTA AUTOMOTIVE, Inc.
SHEFFIELD, ALABAMA
PROJECT NO.: 91E-04075.02

ADEM

ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

POST OFFICE BOX 301463 • 1751 CONG. W. L. DICKINSON DRIVE 36109-2608
MONTGOMERY, ALABAMA 36130-1463
(334) 271-7700

JAMES W. WARR
DIRECTOR

FOB JAMES, JR.
GOVERNOR

Facsimiles: (334)
Administration: 271-7950
Air: 279-3044
Land: 279-3050
Water: 279-3051
Groundwater: 270-5631
Field Operations: 272-8131
Laboratory: 277-6718
Education/Outreach: 213-4399

October 16, 1998

CERTIFIED MAIL # Z 233 165 961
RETURN RECEIPT REQUESTED

Mr. Ben Law, President
Delta Automotive, Inc.
103 South Atlanta Ave
Sheffield, Alabama 35660

Re: Landfill Closure Certification
Delta Automotive, Inc.
Sheffield, Alabama Facility
USEPA ID Number: ALD 982 123 127

Dear Mr. Law:

The Alabama Department of Environmental Management (ADEM) Land Division has completed the review of the Closure Plan, dated August 22, 1997, and the Certification of Closure Report, dated September 21, 1998. This closure plan was developed for the permanent closure of an area of contaminated soil to be closed as a landfill located in the central portion of the above-referenced facility. Based upon these reviews and the certification of closure inspection performed by Mr. Keith West and Mr. Metz Duites of my staff, on July 14, 1998, ADEM has determined that the closure of this unit was performed in substantial compliance with the requirements of the Closure Plan and applicable regulations. Therefore, ADEM hereby accepts Delta's certification of closure. Pursuant to Rule 335-14-6-.08(4)(h), Delta Automotive is therefore released from the financial assurance requirements for the closure of this unit. Please note that all post-closure financial assurance requirements are still applicable for this unit.

If questions and comments should arise concerning this matter, please contact Metz Duites of the Land Division at (334) 271-7749.

Sincerely,

John A. Poole, Jr., Chief
Land Division

JAP/MPD/sem:L: Landfill Closure Certification

cc: Kent Williams, USEPA Region 4
Dave Davis, ADEM

File: Delta Automotive/TSD/Colbert County

CERTIFICATION OF CLOSURE
DELTA AUTOMOTIVE, INC
Sheffield, Colbert County, Alabama
EPA Identification No.: ALD 982 123 127
Project No.: 98-040512.002

Prepared for:

Delta Automotive, Inc.
103 South Atlanta Avenue
Sheffield, Alabama, 35660

September 21, 1998

William W. Cooch, C.P.G., P.G.
CFM Layton, Inc.

Allen B. McLemore, P.E.
CFM Layton, Inc.

Benjamin F. Law, President
Delta Automotive, Inc.

CFM LAYTON, INC.

TABLE OF CONTENTS

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2.1 Excavation of Anchor Trench/Footings 1
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2.2 MIRACLAY™ Liner Installation 2
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2.4 Retaining Wall Installation 2
2.5 Crushed Stone Installation 3
2.6 Floor Slab Installation 3
3.0 CERTIFICATION 3

FIGURES

Figure 1 Site Vicinity Map
Figure 2 Construction Detail of the WCU

APPENDICES

Appendix A Letter of Closure Plan Approval
Appendix B Copy of Approved Closure Plan
Appendix C Daily Inspection Reports
Appendix D Photographs of the Construction of the WCU
Appendix E Survey Plat of WCU

1.0 INTRODUCTION

This report is documentation of the field activities associated with to the construction of a Waste Containment Unit (WCU) using an approved Alternate Cover System at the Delta Automotive, Inc. (Delta) facility located at 103 South Atlanta Avenue in Sheffield, Alabama (Figure 1). A copy of the Alabama Department of Environmental Management (ADEM) letter of approval is included in Appendix A.

The Delta facility was identified as having an area of solvent F001, F002, and F005 contaminated soil located in the central portion of the property. The solvent contamination resulted from an automobile parts cleaning operation in the late 1970's which was discontinued in approximately 1979. The Closure Plan developed and approved for this facility employed the use of an Alternative Cap System that would allow for the containment of the contaminated soil while allowing Delta to utilize the WCU for the construction of a new warehouse building. A copy of the approved Closure Plan is included in Appendix B.

Closure activities completed at this facility resulted in the construction of the WCU with the approximate dimensions of 73' x 88'. The location of the WCU as constructed on the subject property is given in Figure 2.

2.0 WASTE CONTAINMENT UNIT CONSTRUCTION ACTIVITIES

The construction of the WCU began on June 29, 1998 and was conducted by Action Resources, Inc. and Bigbee Construction Company. Construction activities associated with the WCU were completed on July 9, 1998. CFM Layton, Inc. provided site supervision and project documentation/quality control. The construction of the WCU was completed in various phases as described below. As built construction drawings are included in Figure 2. Daily inspection reports documenting the daily construction activities are included in Appendix C. Photographs of the progression of the WCU construction are included in Appendix D.

Please note that the boundaries of the WCU and the column piers excavated during closure were outside of the areas known to contain contamination. Based on the location of the excavation activities conducted during this project there was no evidence to indicate a threat of exposure by construction personnel to contaminated soil. Therefore no personal protective equipment other than boots, gloves, hard hats, etc. were required during closure.

2.1 Excavation of Anchor Trench/Footings

The anchor trench/footings were excavated to the design depths of 24 inches below ground surface (bgs). The material removed from the anchor/trench footings and pier

excavations was placed within the boundaries of the WCU. The column piers were excavated at locations determined by Bigbee Construction for support of the columns of the metal building to be constructed over the WCU. The column pier locations are shown in Figure 2. Upon completion of the excavation activities a one to two inch layer of crusher run gravel was installed and compacted over the WCU to achieve a smooth surface for the installation of the MIRACLAY™ liner. Gravel was also placed in the base of the column pier excavations providing a smooth surface for installation of the liner.

2.2 Equipment Decontamination

Prior to the removal of the excavation equipment from the WCU, all equipment potentially in contact with contaminated material was decontaminated along the northeastern boundary of the WCU using a high pressure steam cleaner. All soil material removed from the construction equipment and soil containing wash rinsate was collected and placed within the boundaries of the WCU. Approximately one cubic foot of soil was placed within the WCU to be covered with the MIRACLAY™ liner.

2.2 MIRACLAY™ Liner Installation

Upon completion of the placement of the crusher run gravel, the 240 mil MIRACLAY™ liner was installed over the WCU. The liner was overlapped a minimum of six inches during installation. The liner material extended into the anchor trench/footings and column piers. The anchor trench/ footings were then backfilled with concrete securing the liner along the perimeter of the WCU.

2.3 Surveying of the WCU Boundaries

Prior to the installation of the concrete footings the corners of the WCU were surveyed for the future installation of the permanent corner markers to be installed in the concrete floor slab. The coordinates for the corners of the WCU were surveyed by Alexander Maps and Surveys, Inc. of Sheffield, Alabama. A copy of the survey plat prepared by Alexander Maps and Surveys, Inc. is included in Appendix E. Upon completion of the survey and preparation of the plot plan, the location and restrictions associated with WCU were recorded with the deed at the Colbert County Courthouse.

2.4 Retaining Wall Installation

Following the installation of the MIRACLAY™ liner, a two foot concrete block retaining wall was constructed along the southwest boundary of the WCU. This wall was extended north along the western boundary of the WCU continuing to the existing warehouse building. This wall was to serve as part of the foundation for the building to be constructed over the WCU and the remainder of the unoccupied property north of the WCU. The remaining three sides of the WCU were formed and poured with concrete during the installation of the slab.

2.5 Crushed Stone Installation

The area inside the retaining wall and anchor trench/ footings was backfilled with backfilled crusher run gravel to within 16 inches of the proposed finished floor elevation.

Upon filling the WCU area with the crushed stone, the column piers were relocated and excavated through to the compacted gravel just above the MIRACLAY™ liner. The column pier locations were formed and bolts were affixed in the forms to accommodate the future column placement.

An eight inch layer of #57crushed limestone aggregate was placed within WCU to within eight inches of the proposed finished floor elevation. The steel protective covers of monitoring wells MW-5 and MW-11 were removed and the well casings cut to a height just below the floor slab elevation. Flush-mount protective covers were then installed over each well and secured within the gravel base material.

2.6 Floor Slab Installation

Upon completion of the placement of the base stone, the column piers were, poured and allowed to cure. An 8-mil polyethylene vapor barrier was then placed over the base stone.

The pouring of concrete slab covering the WCU began on July 9, 1998. The pour began along the southwest boundary of the WCU and progressed northeastward across the WCU.

Upon completion of the pour, Alexander Maps and Surveys, Inc. relocated the corners of the WCU and set steel pins at each corner as permanent markers of the WCU boundaries.

3.0 CERTIFICATION

I certify that to the best of my knowledge final closure of the Waste Containment Unit located at the Delta Automotive, Inc. (Delta) facility was completed in general accordance with the Closure Plan prepared for Delta by Floyd Environmental, Inc. and approved by the Alabama Department of Environmental Management.

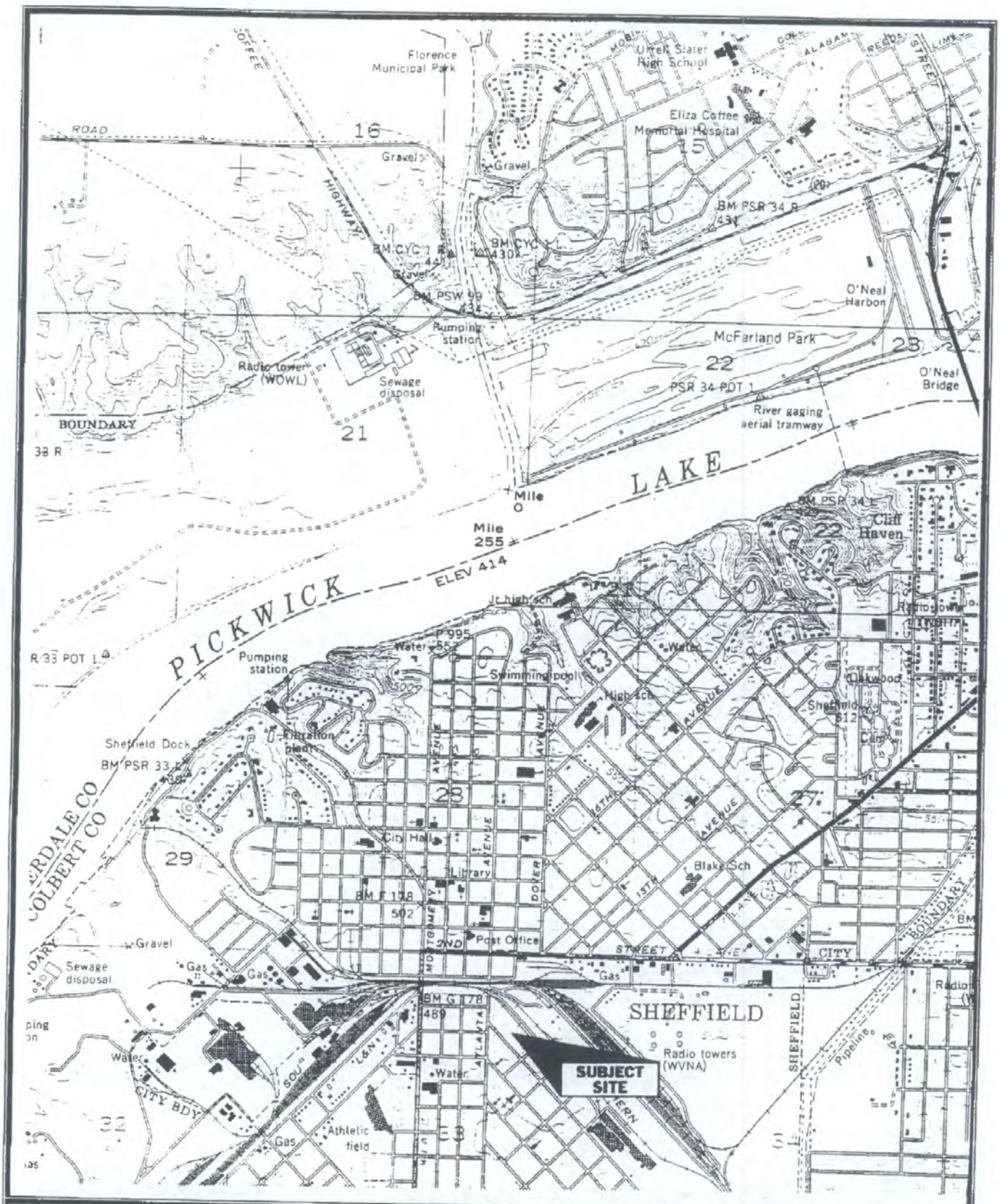
Owner's Signature: Benjamin F. Law Date: 9-23-98

Benjamin F. Law, President
Delta Automotive, Inc.

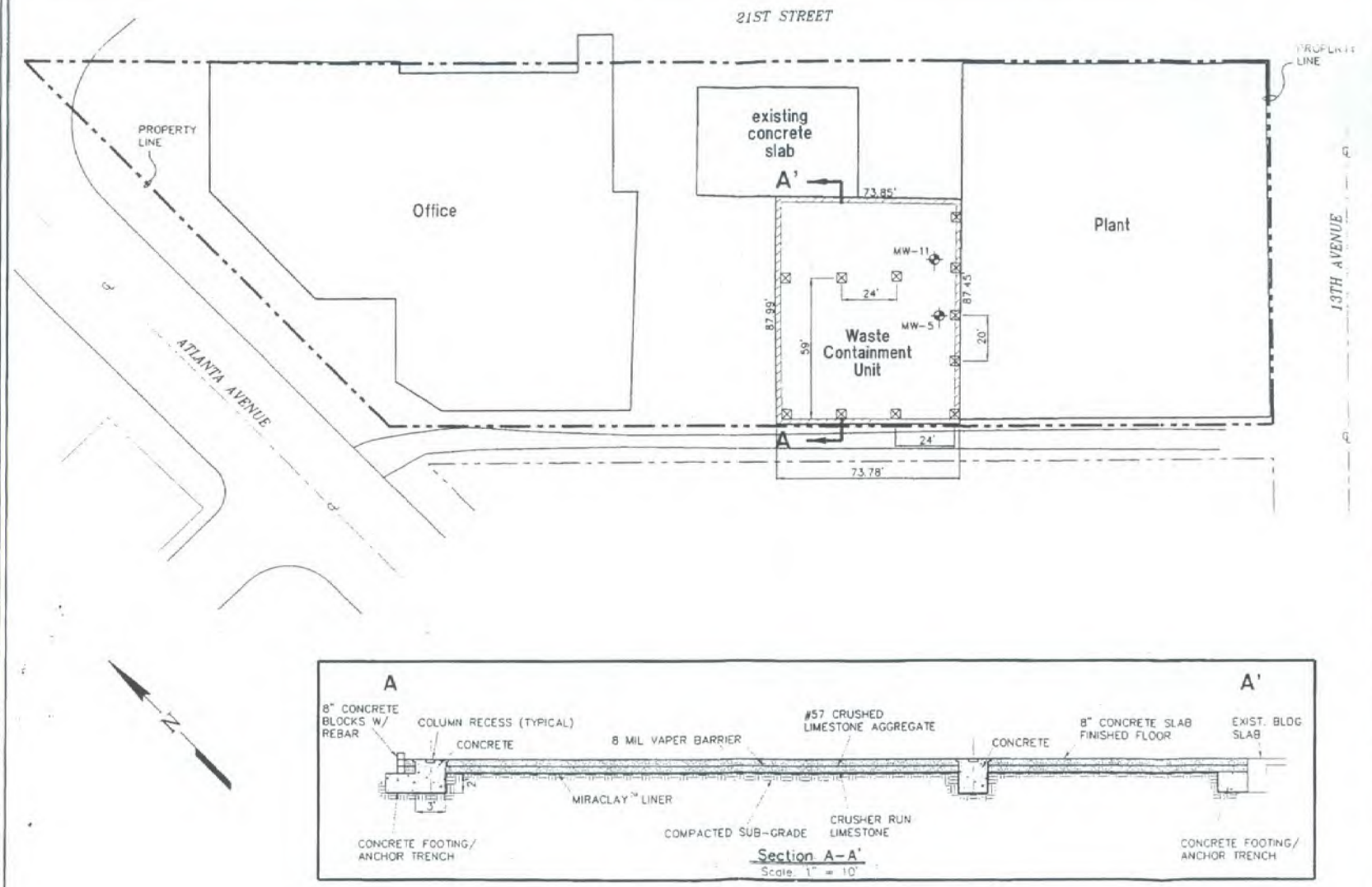
Registered
Professional Engineer: Allen B. McLemore Date: 9-24-98

Allen B. McLemore, P. E. # 20698
CFM Layton, Inc.

CFM LAYTON, INC.



CFM LAYTON, INC. 7960 Crestwood Blvd. Birmingham, Alabama 35210 Phone: (205) 951-3700 Fax: (205) 951-5544	**Legend** Figure No: 1 Scale: 1" = 2,000'	**Project:** **Location:** **Project No:**	Closure Certification Delta Automotive, Inc. Sheffield, Alabama 98-040512.002



Section A-A'
Scale 1" = 10'

TITLE SITE PLAN/CROSS-SECTION

CLOSURE CERTIFICATION
DELTA AUTOMOTIVE
SHEFFIELD, ALABAMA

FIGURE No.1

ADEM

ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
POST OFFICE BOX 301463 • 1751 COND. W. L. DICKINSON DRIVE 36109-2608
MONTGOMERY, ALABAMA 36130-1463
(334) 271-7700

JAMES W. WARR
DIRECTOR

FOB JAMES, JR.
GOVERNOR

Facsimiles: (334)
Administration: 271-7950
Air: 279-3044
Land: 279-3050
Water: 279-3051
Groundwater: 270-5631
Field Operations: 272-8131
Laboratory: 277-6718
Education/Outreach: 213-4399

March 17, 1998

CERTIFIED MAIL # Z 233 165 022
RETURN RECEIPT REQUESTED

Rec'd 3-19-98 (NY)

Mr. Ben Law, President
Delta Automotive, Incorporated
103 South Atlanta Avenue
Sheffield, Alabama 35660

Re: Closure Plan Approval
Delta Automotive, Incorporated
Sheffield, Alabama Facility
USEPA Identification Number: ALD 982 123 127

Dear Mr. Law:

The Alabama Department of Environmental Management (ADEM) has made a final determination to approve the Closure Plan for the facility located at 103 South Atlanta Avenue Sheffield, Colbert County Alabama.

On February 11, 1998, ADEM notified the public that Delta's Closure Plan had been determined complete and that the Plan was available for review from February 11, 1998, through 5:00 p.m. March 13, 1998. The Plan was available for review at the Alabama Department of Environmental Management in Montgomery, Alabama, and at the Colbert County Highway Department in Tuscumbia, Alabama. The Department received no written comments during the public comment period.

During the public comment period an error was found in the Closure Plan resulting in one page being revised (attached) indicating that groundwater samples will be analyzed for volatile and semi-volatile organic compounds using EPA Methods 8240 and 8270 respectively.

As the result of ADEM's review, and consideration of the fact that no public comments were received, ADEM has determined that Delta's Closure Plan has met all applicable requirements of the ADEM Administrative Code. Therefore, this letter constitutes transmittal of final approval of the above mentioned plan for immediate implementation.

If you have any questions, contact Mr. Keith West of the Industrial Facilities Section at (334) 271-7754.

Sincerely,

John A. Poole, Jr., Chief
Land Division

JAP/KNW/sem:L:Delta Closure Plan Approval Letter (3-16-98)

cc: Dave Davis, ADEM
Kent Williams, USEPA Region 4

File: Delta Automotive/Colbert County/TSD

FLOYD ENVIRONMENTAL, INC.
7960 CRESTWOOD BLVD • BIRMINGHAM, ALABAMA • 35210
PHONE (250) 951-0032 • (205) 951-5544

CLOSURE PLAN FOR
DELTA AUTOMOTIVE, INC.
SHEFFIELD, ALABAMA FACILITY
EPA IDENTIFICATION NO.: ALD 982 123 127
PROJECT NO: 97-040512.001

August 22, 1997
Revised February 5, 1998

Prepared for:

Delta Automotive, Inc.
103 South Atlanta
Sheffield, Alabama 35660

Prepared by:

FLOYD ENVIRONMENTAL, INC.
7960 Crestwood Boulevard
Birmingham, Alabama 35210



William W. Cooch, C.P.G.
Principal Geologist

Timothy N. Floyd, P.G.
Principal Geologist

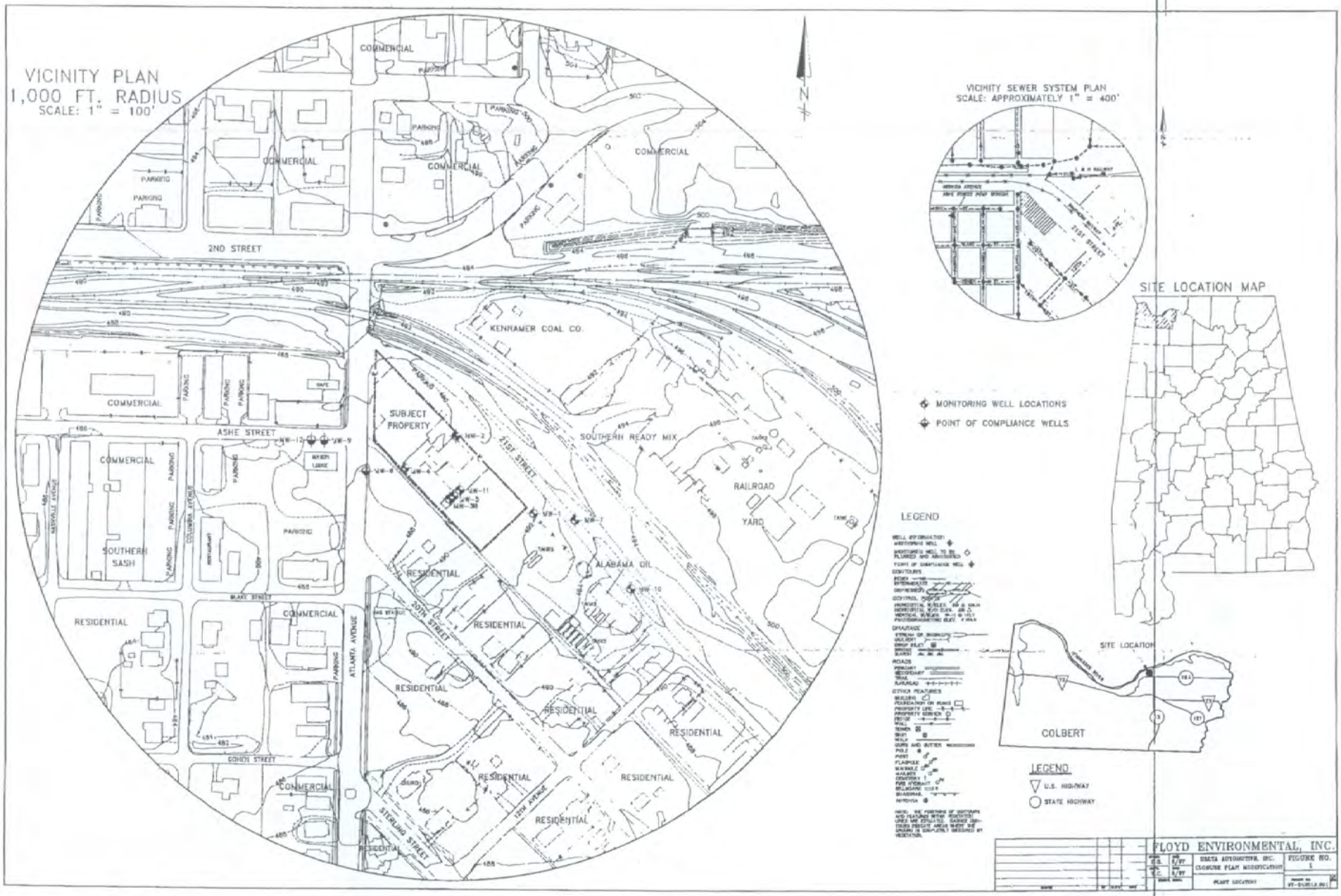
Allen B. McLemore, P.E.
Project Engineer

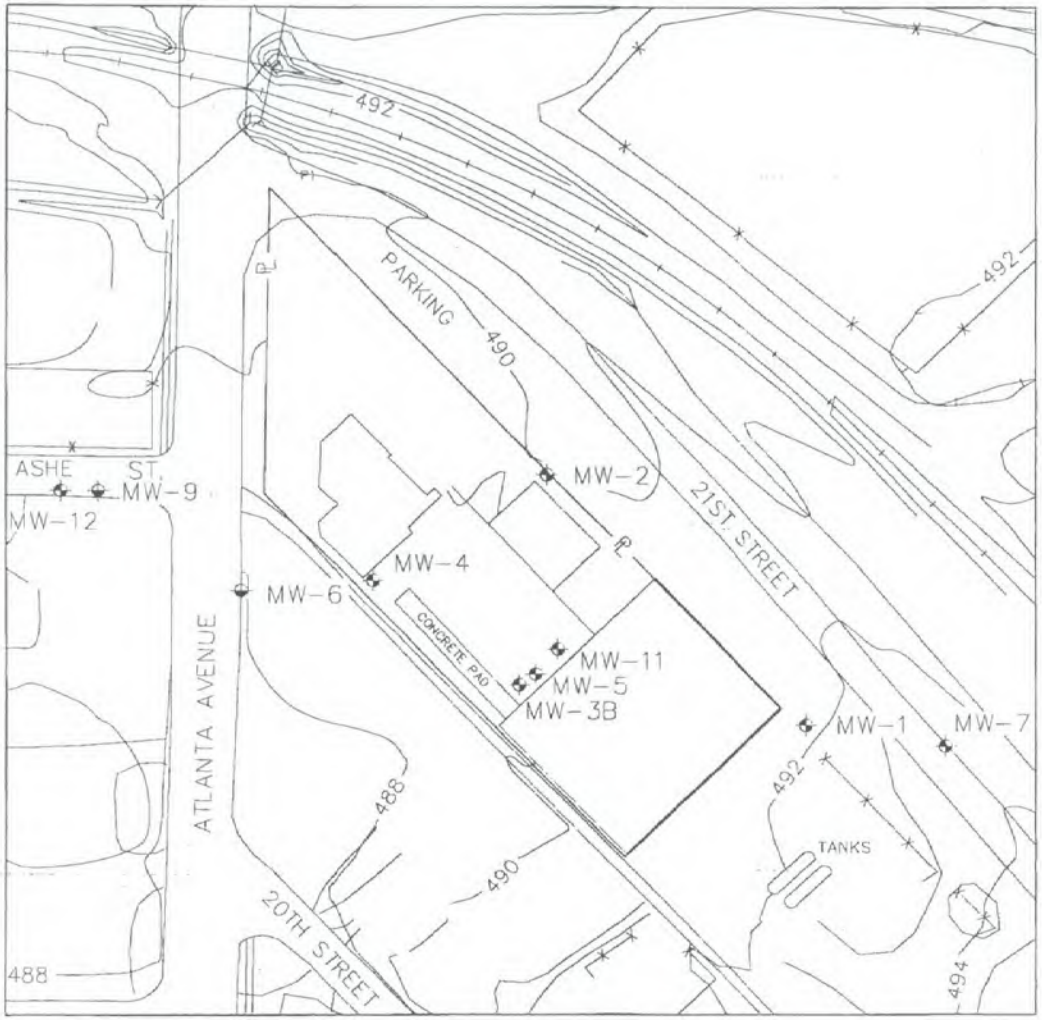
TABLE 4
POST-CLOSURE MAINTENANCE CARE AND EQUIPMENT

Observation	Equipment/Materials	Response Time	Corrective Action
❍ Wells not locked, lock damaged	Replacement lock	Within 1 day	Replace lock
❍ Well protective casing cracked or damaged		Within 1 day	Consult registered professional engineer
❍ Cap damaged or cracked	Epoxy resin, trowel, caulking gun	Within 1 day	Repair damaged or cracked surface
❍ Continuing cap damage, cracking, or settlement		Within 1 day	Consult registered professional engineer

TABLE 5
POST-CLOSURE INSPECTION FREQUENCY

Monitoring Wells	Quarterly
Monitoring Well Sampling	Annually
Cap Examination	Monthly


VICINITY PLAN
1,000 FT. RADIUS
SCALE: 1" = 100'
N
COMMERCIAL
PARKING
2ND STREET
KENNAMER COAL CO.
SUBJECT PROPERTY
ASHE STREET
SOUTHERN READY MIX
RAILROAD
YARD
ALABAMA OIL
SOUTHERN SASH
RESIDENTIAL
ATLANTA AVENUE
20TH STREET
COHEN STREET
STERLING STREET
12TH AVENUE
VICINITY SEWER SYSTEM PLAN
SCALE: APPROXIMATELY 1" = 400'
MONITORING WELL LOCATIONS
POINT OF COMPLIANCE WELLS
SITE LOCATION MAP
LEGEND
SITE LOCATION
COLBERT
LEGEND
U.S. HIGHWAY
STATE HIGHWAY
FLOYD ENVIRONMENTAL, INC.
DELTA AUTOMOTIVE, INC.
CLOSURE PLAN MODIFICATION
FIGURE NO.
1
PLANT LOCATION



N

MONITORING WELL

POINT OF COMPLIANCE WELL

SITE BOUNDARIES

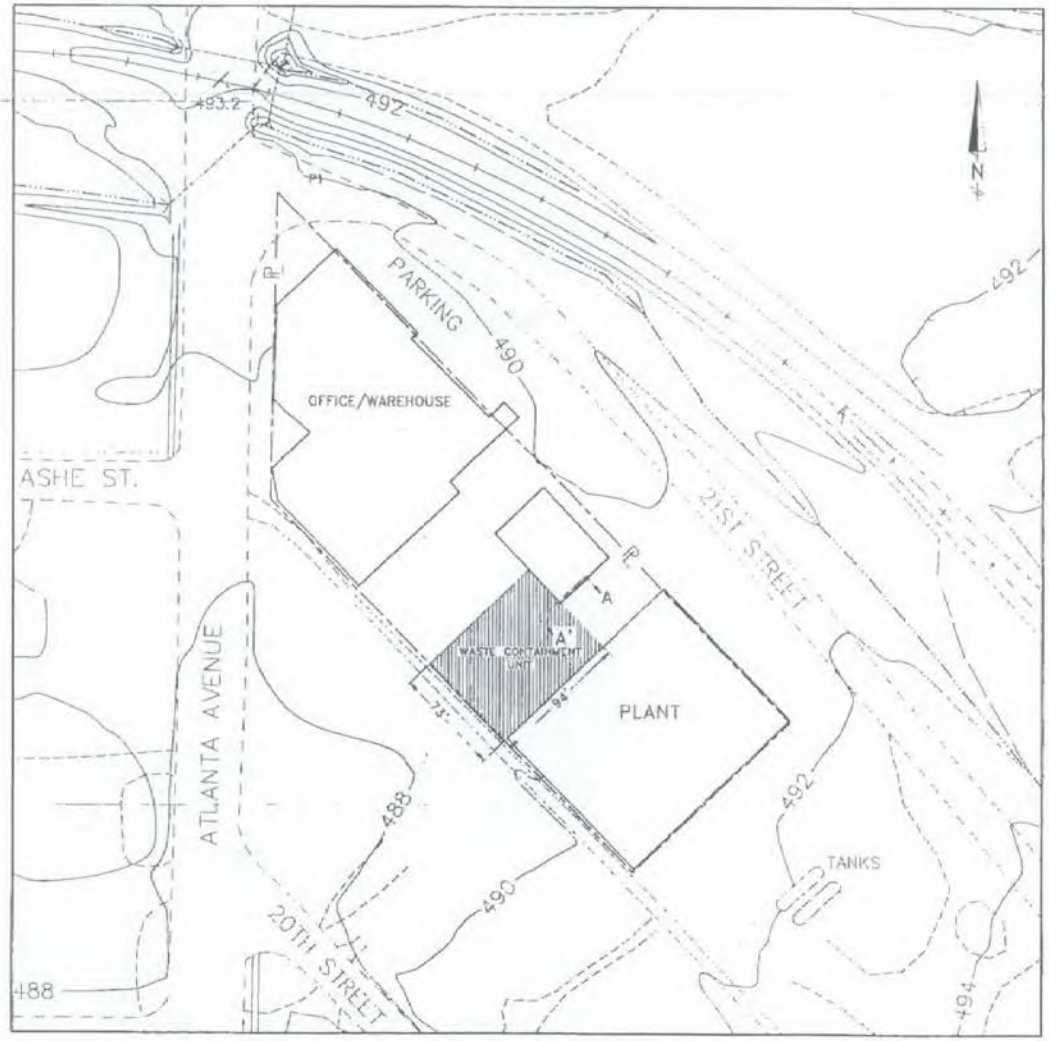
NOTE: MONITORING WELL MW-10 IS LOCATED 200 FEET SOUTHEAST OF MW-7.

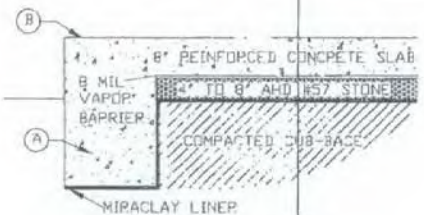
FLOYD ENVIRONMENTAL, INC.

DELTA AUTOMOTIVE, INC.
CLOSURE PLAN MODIFICATION

SITE PLAN

FIGURE NO. 2





SECTION A-A

ALTERNATIVE CAP DESIGN

SCALE: 1" = 1'

(A) FOOTING DESIGNED BY OTHERS

(B) FINISHED FLOOR ELEVATION EQUAL TO FLOOR ELEVATION OF OFFICE/WAREHOUSE BUILDING

LEGEND

WASTE CONTAINMENT UNIT

FLOYD ENVIRONMENTAL, INC.

DELTA AUTOMOTIVE, INC.
CLOSURE PLAN MODIFICATION

FIGURE NO. 3

PROPOSED BOUNDARIES OF EARTH CONTAINMENT UNIT

97-040512.001

HIGHLAND TECHNICAL SERVICES, INC. *Practicing in the Environmental and Geo-Sciences*
1572 Montgomery Highway • Suite 208 • Birmingham, Alabama 35216 • (205) 978-5664 • Fax (205) 978-0515

February 25, 2000

Alabama Department of Environmental Management
Post Office Box 301463
Montgomery, Alabama 36130-1463

Attention: Mr. Wayne Payton
Groundwater Branch



SUBJECT
Semi-Annual Groundwater Monitoring Report
Delta Automotive, Inc.
Sheffield, Alabama
EPA ID No.: ALD 982 123 127
Project No.: 99-040512.04

Dear Mr. Payton:

On behalf of Delta Automotive, Inc., Highland Technical Services, Inc. is submitting the enclosed copy of the annual groundwater monitoring report for the above-referenced facility.

If you have any questions concerning this report or require any additional information, please contact our office at (205) 978-5664.

Sincerely,
HIGHLAND TECHNICAL SERVICES, INC.

William W. Cooch, C.P.G., P.G.
Principal Geologist

enclosure

cc: Mr. Ben Law, Delta Automotive, Inc.

ANNUAL GROUNDWATER MONITORING REPORT

Year Ending December 31, 1999
Delta Automotive, Inc.
Sheffield, Alabama
EPA ID No.: ALD 982 123 127
Project No.: 99-040512.04

Prepared for:

Delta Automotive, Inc.
103 South Atlanta Avenue
Sheffield, Alabama, 35660

February 25, 2000

H. Howard Youngblood
Staff Geologist

William W. Cooch, C.P.G., P.G.
Principal Geologist

EXECUTIVE SUMMARY

The purpose of this project is to provide an annual groundwater monitoring report for the Delta Automotive, Inc. facility in accordance with Alabama Administrative Code 335-14-6-.06(5)(a)2.(ii) and (iii). Semi-annual groundwater monitoring was conducted at the Delta Automotive, Inc. facility located in Sheffield, Colbert County, Alabama and included determination of groundwater elevations, sampling and analysis for the semi-annual sampling events conducted March 16, 1999 and September 15, 1999.

Based on the analyses presented in this annual groundwater monitoring report, it appears that on-site contamination (1,1-Dichloroethene, 1,1-Dichloroethane, 1,1,1 Trichloroethane and Trichloroethene) is present in the area of monitoring well MW-5 located in the central portion of the site. No constituents of concern were detected at concentrations above the published MCLs in any of the down-gradient offsite monitoring wells. There are no immediate downgradient, off-site or on-site drinking water uses for groundwater, therefore, it appears that there is no current health risk posed by the presence of the identified contaminants in groundwater at this site.



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1.0 INTRODUCTION

1.1 PURPOSE, SCOPE, AND AUTHORIZATION

The purpose of this project is to provide the annual groundwater monitoring report for the Delta Automotive, Inc.'s Sheffield, Alabama facility. Semi-annual groundwater sampling was conducted on March 16, 1999 and September 15, 1999. This Annual Groundwater Monitoring Report is submitted in accordance with Alabama Administrative Code 335-14-6-.06(5)(a)2.(ii) and (iii).

The scope of work included groundwater elevation determinations and groundwater sampling and analysis. The approach taken for this investigation was consistent with past efforts which have been discussed and agreed upon by representatives of Highland Technical Services, Inc., Delta Automotive, Inc., and the Alabama Department of Environmental Management (ADEM).

2.0 HYDROGEOLOGIC SETTING

The Delta Automotive, Inc. facility is located within Section 33, Township 3 South, Range 11 West, at 103 South Atlanta Avenue, Sheffield, Colbert County, Alabama (Figure 1). The site is situated within the Tennessee Valley area of the Interior Low Plateaus Physiographic Province of north Alabama. The site is immediately underlain by the Tuscumbia Limestone of Mississippian Age. The Tuscumbia Limestone is typically comprised of light gray, partly oolitic (near the top), fine to very coarse grained bioclastic limestone (crinoidal limestone is common). The Tuscumbia also contains light gray chert nodules and concretions. It ranges up to 200 feet in thickness. The limestone is infrequently exposed in outcrop, those localities being primarily sinkholes and road cuts.

The Tuscumbia Limestone is underlain by the Fort Payne Chert, which is comprised of very light- to light-gray thin- to thick-bedded fine- to coarse-grained bioclastic limestone with chert. The upper portion of the formation consists of light bluish-gray laminated vuggy siltstone, interbedded with medium greenish-gray shale, shaly limestone, siltstone



and chert. The apparent thickness of the Fort Payne Chert varies with differential dissolution of the carbonate. At the base of the Fort Payne Chert is the Maury Shale, a light olive-gray siltstone which is mapped with the Fort Payne Chert.

The Tuscumbia Limestone and underlying Fort Payne Chert, where both formations are present, are in hydraulic communication and are referred to as the Tuscumbia-Fort Payne aquifer. The Tuscumbia-Fort Payne is an excellent aquifer, capable of supplying large quantities of water to wells and springs. The flow of Tuscumbia Spring has been measured at 62 million gallons per day (MGD). Groundwater flow is controlled by secondary porosity, occurring primarily through solution openings and solution-enlarged bedding planes and joints. The Tuscumbia-Fort Payne aquifer beneath the site is characterized by a shallow flow zone and a deep flow zone.

The Tuscumbia Limestone is associated with sinkholes. Numerous sinkholes can be observed on the USGS topographic quadrangles *Sheffield and Tuscumbia, Alabama* (Figure 1). A sinkhole which has a diameter of approximately one-half mile is located adjacent to the southern and western property boundaries of the site. Another sinkhole is located approximately 500 feet east of the property, and numerous other sinkholes are located within a one-mile radius of the site. Several of these sinkholes are located at or adjacent to other industrial facilities.

The Tuscumbia Limestone, which most immediately underlies the site and from which site soils have been derived, weathers to a reddish-brown residual soil generally 20 to 40 feet thick. At some locations, the clay soils act as an impervious cap over solution openings in the underlying Tuscumbia-Fort Payne aquifer system. As observed during site drilling, the native soil consists of chert-fragment-rich plastic clay.

The site is very level, with immediate surface water drainage toward the south and southwest. Water-level measurements obtained from site monitoring wells show that groundwater flow in the shallow flow zone is overall to the northwest (Figures 2 and 3). Groundwater flow in the deep Tuscumbia-Fort Payne aquifer flow zone appears to be also generally to the northwest (Figures 4 and 5). Regional surface and groundwater flow is ultimately towards Pickwick Lake, located to the north and west, slightly more than a mile from the site.



There is no residential use of groundwater in the Sheffield, Alabama area. The Sheffield area derives its public water supply from Pickwick Lake, at a pumping station located about 2.3 miles downstream from the O'Neal Bridge.

3.0 MONITORING WELL NETWORK

The monitoring well network at the site originally consisted of 11 wells: MW-1; MW-2; MW-3B; MW-4; MW-5; MW-6; MW-7; MW-9; MW-10; MW-11; and MW-12. Monitoring wells MW-1, MW-2; MW-3B; MW-4A and MW-6 were abandoned with the prior approval of ADEM in June 1998. Three additional monitoring wells (MW-13, MW-14 and MW-15) have been added since the March 1999 sampling event. Boring logs for MW-13, MW-14 and MW-15 are included in Appendix A. A monitoring well summary is provided in Appendix B, Table 1. Monitoring wells MW-5, MW-10, MW-11, MW-12 and MW-15 are deep wells completed within the lower flow zone of the Tuscumbia-Fort Payne aquifer. Monitoring wells MW-7, MW-9, MW-13 and MW-14 are completed in the shallow flow zone. Well and water level data used in this report have been registered to the elevations established by a former site survey.

A list of the groundwater analytical parameters to be utilized in each sampling event is presented in Appendix B, Table 2. Summaries of the groundwater analytical data for the March 16, 1999 and September 15, 1999 sampling events are included in Appendix B, Tables 3 and 3A.

4.0 GROUNDWATER SAMPLING AND ANALYSIS

Prior to purging and sample collection, static water-level measurements were taken at each well using an electronic water-level indicator. Groundwater elevations were calculated using surveyed well elevation data (Appendix B, Table 4 and 4A). The depth to water was used to calculate the volume of standing water in each well prior to purging. The water-level indicator was decontaminated between wells.

Before groundwater samples were collected, approximately three casing volumes of



water were purged from each well using a submersible pump or disposable polyethylene bailers. When used, the submersible pump was decontaminated between wells.

Groundwater samples were obtained and analyzed in accordance with EPA protocols. Specialized Assays, Incorporated (SAI) provided analytical services for each sampling event. SAI maintains a strict quality control/quality assurance program. Chain-of-custody control for samples was maintained. Laboratory reports and chain of custody records for the March 1999 and September 1999 sampling events are included as Appendix C and Appendix D respectively.

The field parameters of temperature, pH, and specific conductance were measured for the March 1999 and September 1999 sampling event and included in Appendix B, Table 5 and 5A respectively. Monitoring well sampling records are provided in Appendix E.

5.0 DATA EVALUATION

5.1 GROUNDWATER FLOW REGIME

Water-level elevations collected from the site monitoring wells are provided in Appendix B, Tables 4 and 4A. Groundwater elevations indicate that monitoring wells MW-7, MW-9, MW-13 and MW-14 are completed within a shallow flow zone occurring in soil and cherty residuum above bedrock. Water-level elevations indicate that monitoring wells MW-5, MW-10, MW-11, MW-12 and MW-15 are completed in a deep flow zone within the underlying bedrock. Water-level elevations were observed to be an average of 27.54 feet lower in the deep well MW-10 as compared to shallow well MW-7. Water-level elevations were an average of 27.14 feet lower in the deep well MW-12 as compared to shallow well MW-9. Water-level elevations were 24.22 feet lower in the deep well MW-15 as compared to shallow well MW-14 during the September 1999 sampling event.

5.1.1 Shallow Flow Zone

The groundwater levels in the shallow wells measured during the March 1999 sampling event indicated a maximum difference in elevation of 8.0 feet across the site in the



shallow flow zone. The groundwater levels in the shallow wells measured during the September 1999 sampling event indicated a maximum difference in elevation of 13.9 feet across the site in the shallow flow zone. The configuration of the potentiometric surfaces for each sampling event as derived from water-level measurements for the shallow wells are shown in Figures 2 and 3. The shallow hydraulic gradient across the site during the March 1999 sampling event was approximately 0.012 ft/ft. The shallow hydraulic gradient across the site during the September 1999 sampling event was approximately 0.014 ft/ft. As can be seen in the above-referenced figures, the overall general direction of shallow groundwater flow is to the north.

5.1.2 Deep Flow Zone

A lower flow zone within the Tuscumbia-Fort Payne aquifer is also present beneath the site; this flow zone is artesian at the site location, with the overlying residual clays acting as an aquitard and semi-confining layer across most of the site. The groundwater levels in the deep monitoring wells indicated a maximum difference in elevation of 4.5 feet across the site in the deep flow zone during the March 1999 sampling event and 4.9 feet during the September 1999 sampling event. The difference in groundwater elevation at the off-site deep upgradient well (MW-10) and closest upgradient shallow well (MW-7) was 25.65 feet at the time of the March 1999 event and 29.47 feet at the time of the September 1999 event. The difference in groundwater elevation at the off-site deep downgradient gradient well (MW-12) and paired downgradient shallow well (MW-9) was 25.04 feet at the time of March 1999 event and 29.24 feet at the time of the September 1999 event.

The vertical hydraulic gradient at the MW-9 and MW-12 paired wells was calculated to be 0.74 ft/ft during the March 1999 event and 0.86 ft/ft during the September 1999 event. The vertical hydraulic gradient calculated for wells MW-7 and MW-10 was 0.113 ft/ft during the March 1999 event and 0.130 ft/ft during the September 1999 event. Based on water-level elevations, well pair locations have a vertically downward component of flow. Given the relatively level existing surface topography in the site vicinity, the highly variable vertical hydraulic gradient at the paired well location cannot be attributed solely to topographic control and is most likely dependent upon the three-dimensional network of solution openings in the bedrock.



Based on groundwater measurements collected from the deep monitoring wells (MW-5, MW-10, MW-12 and MW-15), the direction of deep groundwater flow at the site is to the north. The configuration of the potentiometric surface as derived from water-level measurements for the deep wells is shown in Figures 4 and 5. The calculated horizontal hydraulic gradient of the deep aquifer was approximately 0.009 ft/ft during the March 1999 event and 0.012 ft/ft during the September 1999 event.

5.2 GROUNDWATER QUALITY

Data from the shallow monitoring wells MW-9, MW-13 and MW-14 were compared to data for the shallow background monitoring well MW-7, and data for the deep monitoring wells MW-5, MW-11, MW-12 and MW-15 were compared to data for the deep background monitoring well MW-10. The observed values are also compared to the respective MCL for each constituent.

Federal and state agencies have established health standards and criteria that mandate or suggest maximum contaminant levels (MCLs) allowable in drinking water. The concentrations of contaminants reported in samples from the subject site were also evaluated with respect to these established health standards or criteria. The health standards and criteria applied to each of the parameters detected during this investigation are: the MCL, EPA 540/1-86/060; the EPA Drinking Water Regulations and Health Advisories (May, 1996); and the Alabama Drinking Water Standards ADEM Administrative Code R.335-7-2-.03 and 335-7-2-.04.

Based on the laboratory analytical results of the sample collected during the March 1999 event the groundwater sample from MW-5 indicated two constituents, 1-1-Dichloroethene (47.4 ppb) and 1-2-Dichloroethane (36.4 ppb), above the published MCLs. No other analyzed constituents were reported to be present above the published MCLs in any of the other samples collected during the March 1999 sampling event.

Laboratory analytical results of the sample collected during the September 1999 event from MW-5 indicated two constituents, 1-1-Dichloroethene (39.9 ppb) and 1-1-Dichloroethane (23.7 ppb), above the published MCLs. No other analyzed constituents



were reported to be present above the published MCLs in any of the other samples collected during September 1999 sampling event.

1,1,1-Tricholorethane was detected in MW-5 at a concentration of 5.2 ppb and 11.9 ppb during the March 1999 and September 1999 events respectively. The detected concentrations of 1,1,1-Tricholorethane were below the published MCL of 200 ppb. Aluminum, Barium, Chromium, Lead and Zinc were detected at concentrations below their respective MCLs in many of the samples collected during each sampling event.

5.3 STATISTICAL ANAYLSIS

Due to the large proportion of non-detect values in the historical data-set for this facility, the Wilcoxon Rank-Sum Test for Two Groups was used to evaluate the groundwater data, as recommended in EPA (1992). Given such a low number of detected results, the Wilcoxon Rank-Sum Test for Two Groups is recommended over other methods (EPA, 1992). This non-parametric test utilizes the ranked values of the groundwater data for each constituent and provides a statistic indicating the likelihood that downgradient data are significantly greater than background values.

The result for each constituent, Z, can be compared to a normal distribution to determine the likelihood that the values obtained through sampling and analysis occurred by random chance. Appendix F provides the Z-statistic for the constituents of interest, along with the 0.01-significance level from a normal distribution ($Z_{0.01}$). If the Z-statistic of a constituent is greater than the $Z_{0.01}$ level, then it is likely that the constituents present in the downgradient wells are at statistically greater concentrations than in the upgradient wells.

Based on this analysis, none of the constituents are present at statistically higher concentrations in downgradient wells as compared to background levels. It should be noted that three additional compliance point wells were installed at the subject facility in August 1999. Delta will begin using the Kruskal-Wallis Test for the statistical evaluation of groundwater after the March 2001 sampling event. The March 2001 sampling event will represent the fourth sampling event for the new compliance point wells.



6.0 SUMMARY AND CONCLUSIONS

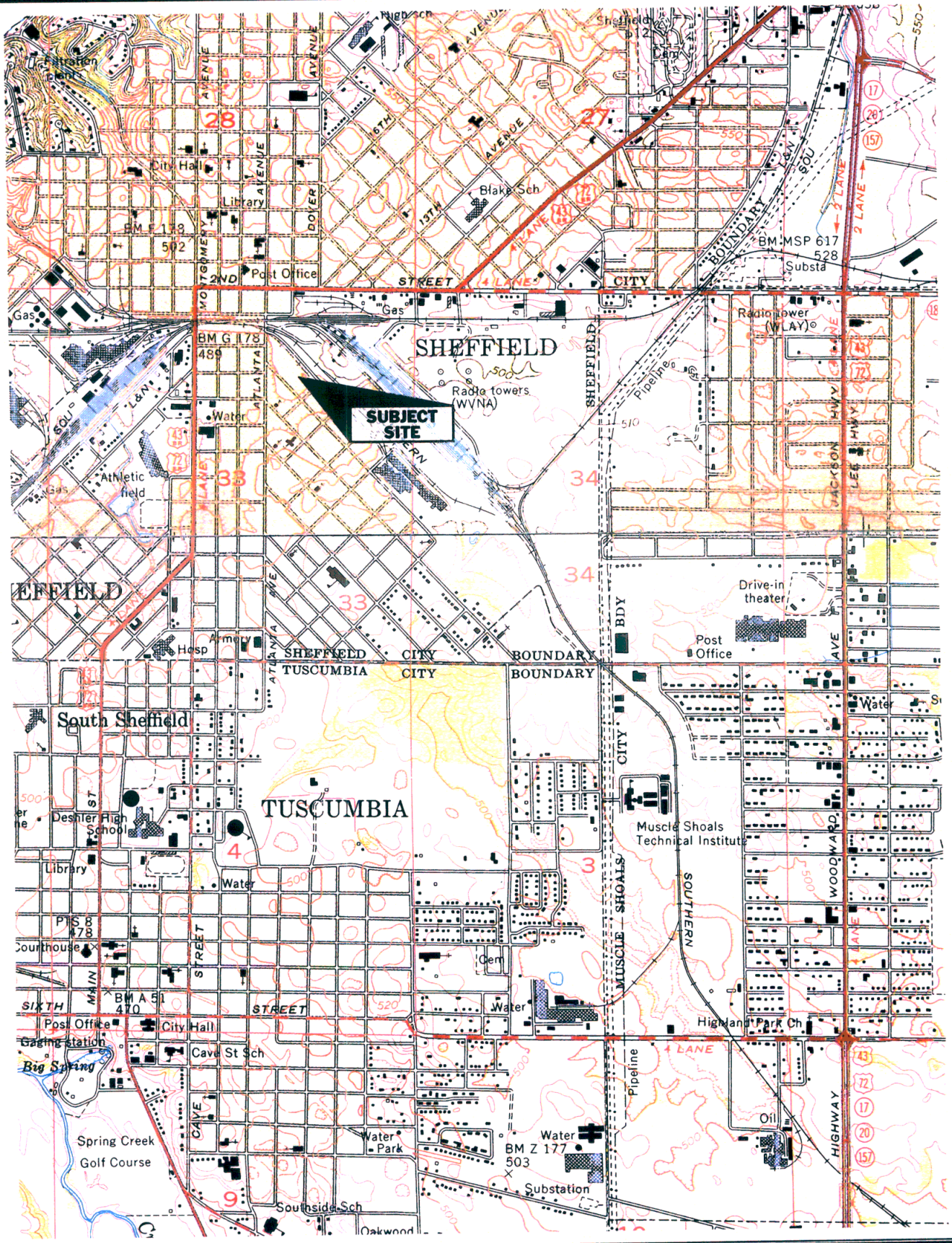
Based on the analyses presented in this annual groundwater monitoring report, it appears that on-site contamination (1,1-Dichloroethene, 1,2-Dichloroethane, 1,1,1 Trichloroethane and Trichloroethane) is present in the area of monitoring well MW-5 located in the central portion of the site. No constituents of concern were detected above the published MCLs in any of the down-gradient offsite monitoring wells. There are no immediate downgradient, off-site or on-site drinking water uses for groundwater, therefore, it appears that there is no current health risk posed by the concentrations of the identified contaminants in groundwater at this site.

7.0 QUALIFICATIONS

Our evaluation of hydrogeologic conditions at this site is based on available information and data obtained during research and field study. These services have been performed in accordance with generally accepted standards of performance for this level of activity. Our conclusions are based on the conditions established by this study.

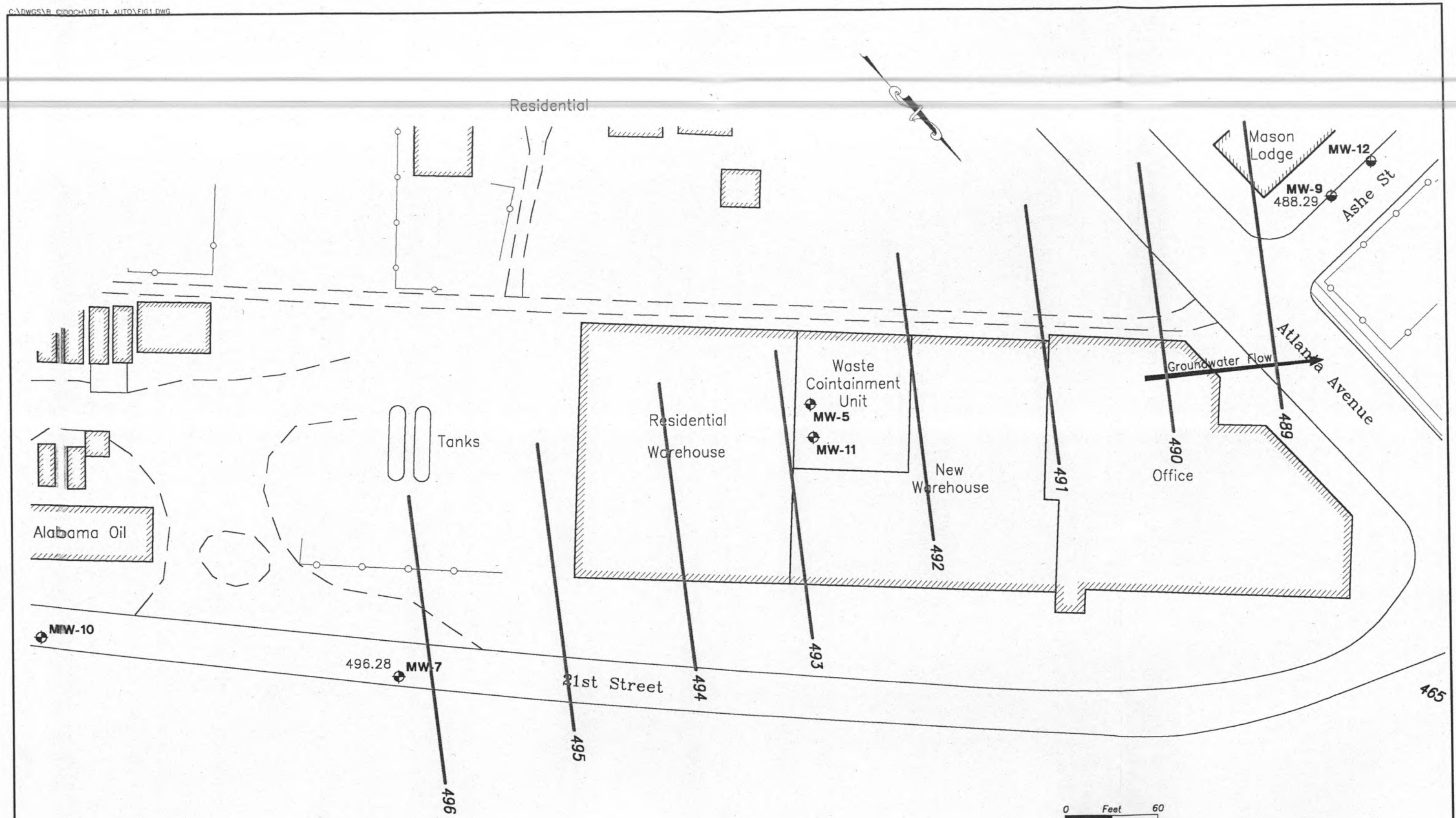
Highland Technical Services, Inc. is not responsible for the conclusions and opinions made by others based on the findings of this report.





HIGHLAND TECHNICAL SERVICES, INC. 1572 Montgomery Hwy, Suite 208 Birmingham, Alabama 35216 Phone: (205) 978-5664 Fax: (205) 978-0515	**Legend** Figure No: 1 Site Vicinity Map Scale: 1" = 2,000'	**Project:** Annual Groundwater Monitoring Report Delta Automotive, Inc. **Location:** Sheffield, Alabama **Project No:** 99-040512.03

C:\DWGS\B_COOCH\DELTA_AUTO\FIG1.DWG



Practicing in the Environmental and Geo-Sciences

HIGHLAND TECHNICAL SERVICES, INC.

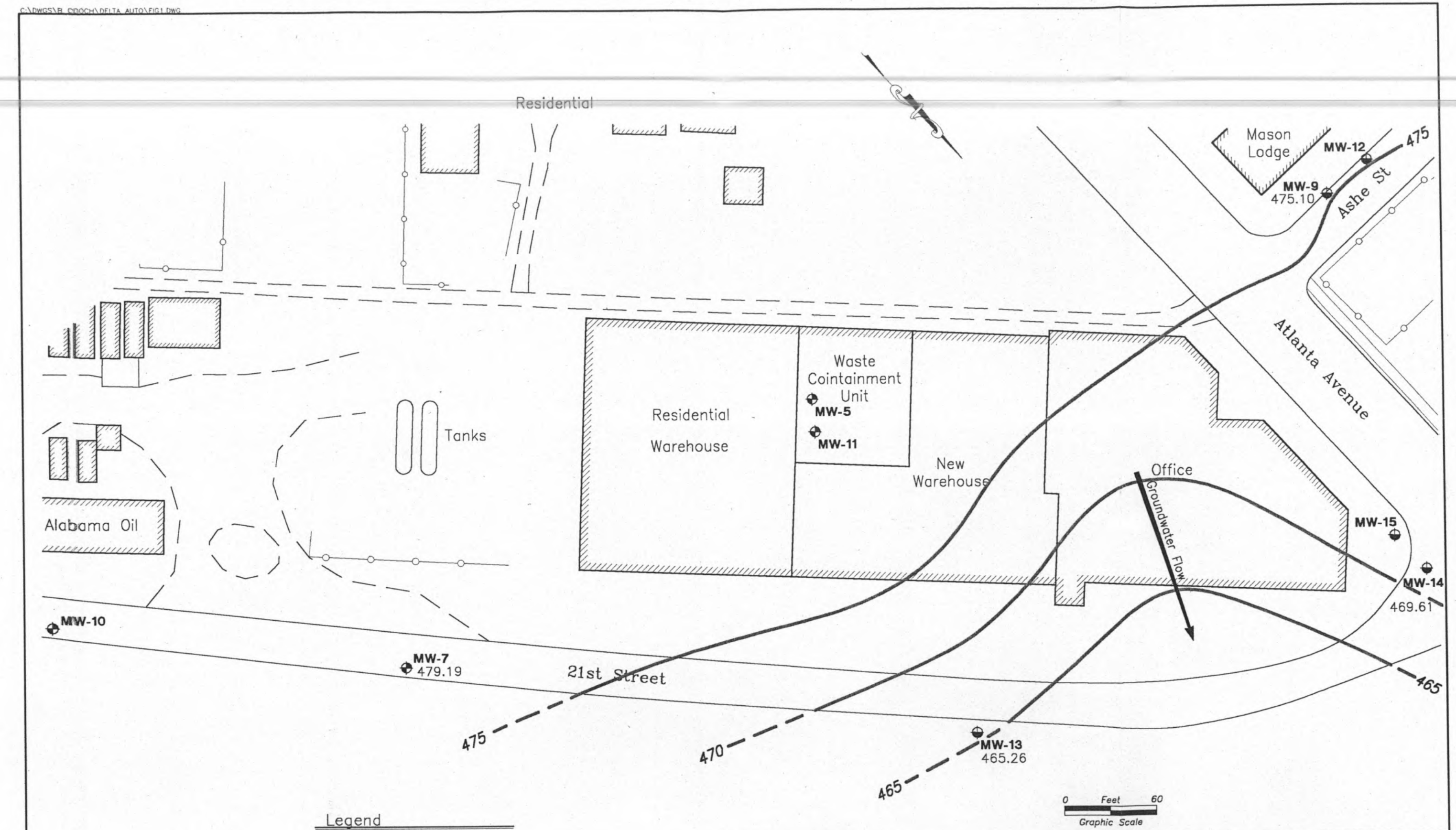
1572 MONTGOMERY HIGHWAY
SUITE 208
BIRMINGHAM, ALABAMA 35216

TITLE: March 16, 1999 Potentiometric Surface Map–Shallow Flow Zone
Annual Groundwater Monitoring Report
Delta Automotive, Inc.
Sheffield, Alabama

FIGURE NO. 2

DRAWN BY:	DESIGNED BY:	DATE:	SCALE:	PROJECT NO.
TGH	B. Cooch	2-9-00	1" = 60'	99-040512.04

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Legend

- Structure
- Monitoring Well Location
- Point of Compliance Well

Practicing in the Environmental and Geo-Sciences

HIGHLAND TECHNICAL SERVICES, INC.

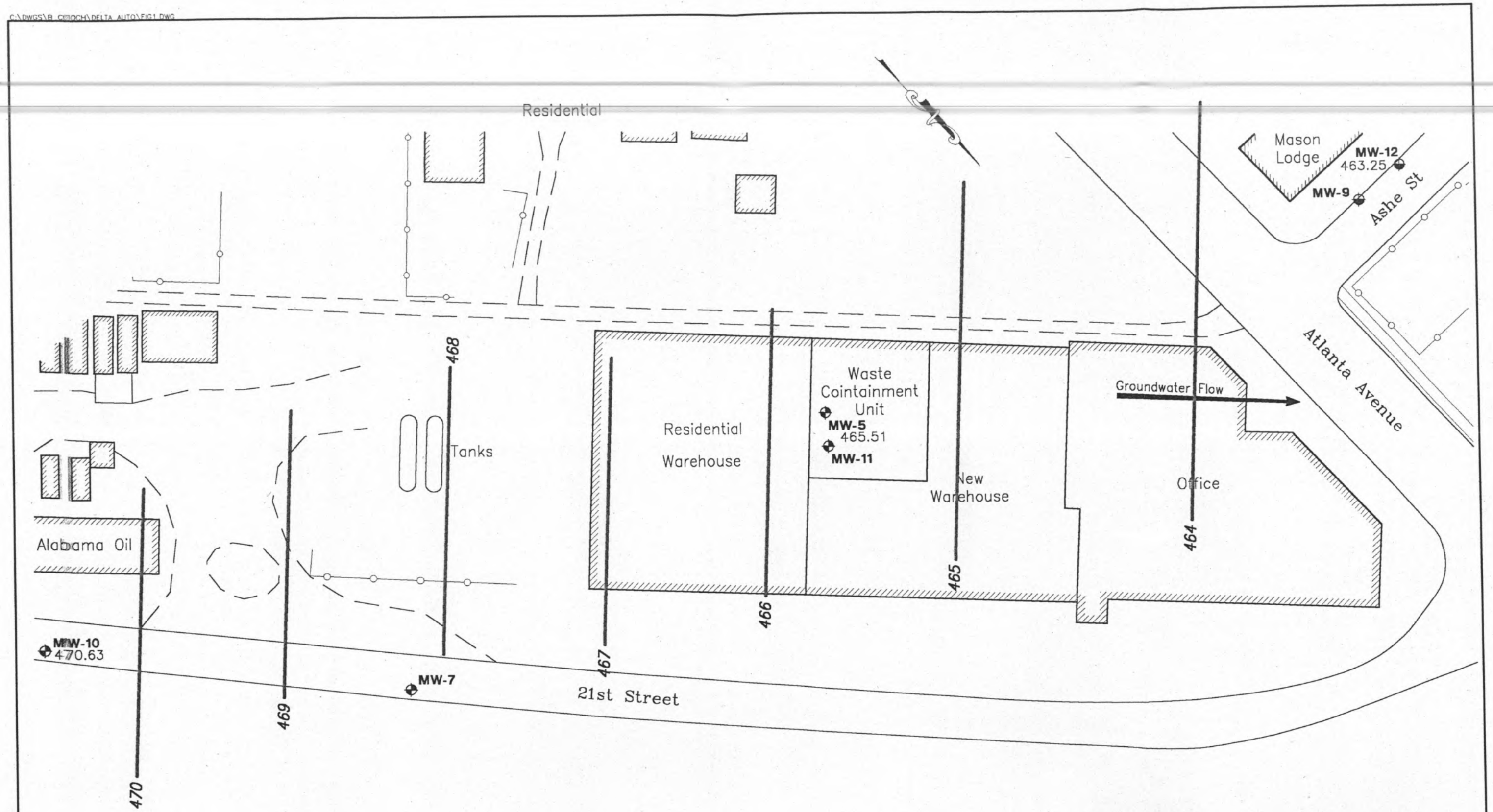
1572 MONTGOMERY HIGHWAY
SUITE 208
BIRMINGHAM, ALABAMA 35216

TITLE: September 15, 1999 Potentiometric Surface Map-Shallow Flow Zone
Annual Groundwater Monitoring Report
Delta Automotive, Inc.
Sheffield, Alabama

FIGURE NO. 3

DRAWN BY:	DESIGNED BY:	DATE:	SCALE:	PROJECT NO.
TGH	B. Cooch	2-9-00	1" = 60'	99-040512.04

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Practicing in the Environmental and Geo-Sciences

HIGHLAND TECHNICAL SERVICES, INC.

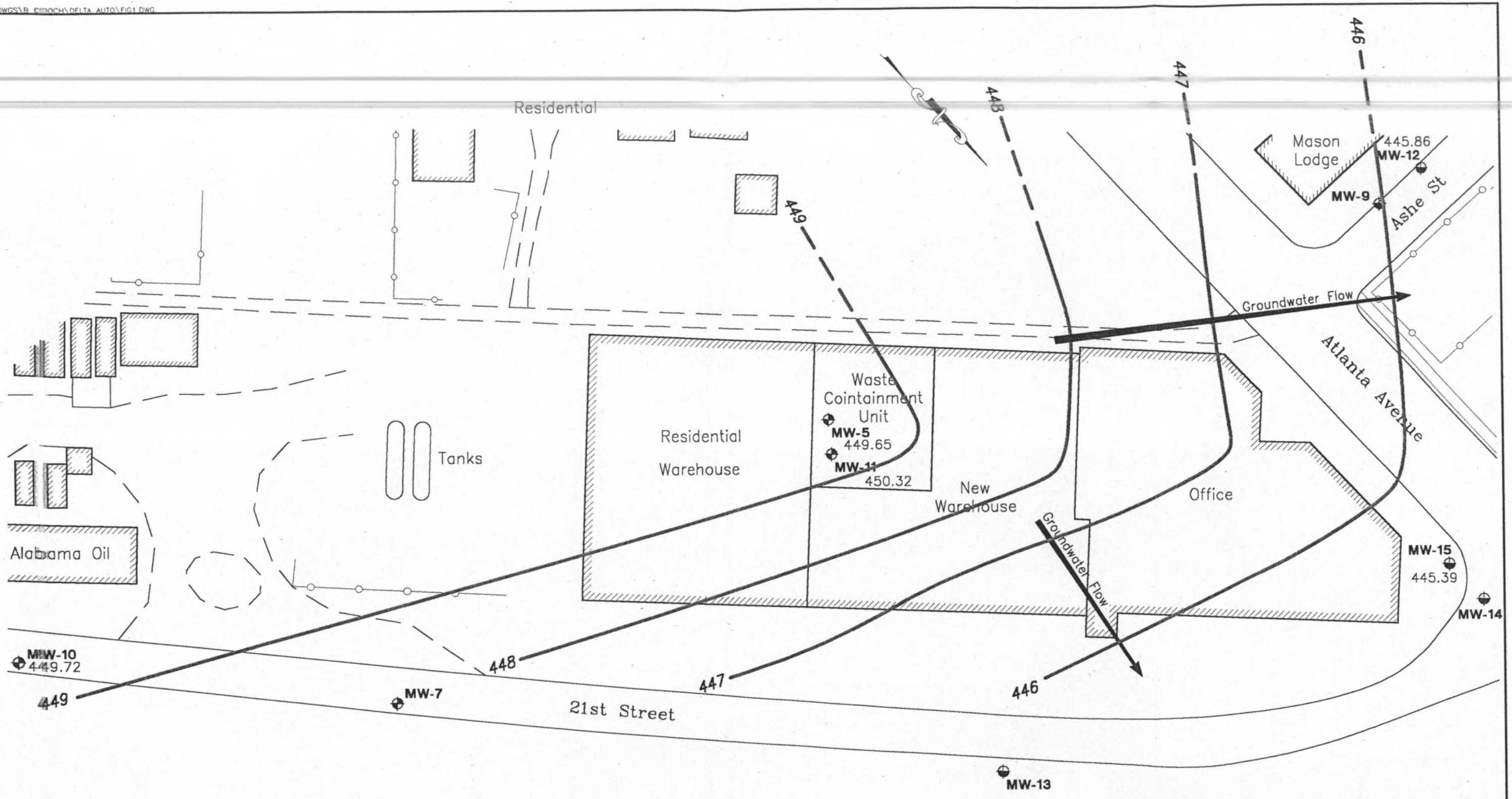
1572 MONTGOMERY HIGHWAY
SUITE 208
BIRMINGHAM, ALABAMA 35216

TITLE
March 16, 1999 Potentiometric Surface Map–Deep Flow Zone
Annual Groundwater Monitoring Report
Delta Automotive, Inc.
Sheffield, Alabama

FIGURE NO. **4**

DRAWN BY:	DESIGNED BY:	DATE:	SCALE:	PROJECT NO.
TGH	B. Cooch	2-9-00	1" = 60'	99-040512.04

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Legend

- Structure
- Monitoring Well Location
- Point of Compliance Well

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1572 MONTGOMERY HIGHWAY
SUITE 208
BIRMINGHAM, ALABAMA 35216

TITLE: September 15, 1999 Potentiometric Surface Map–Deep Flow Zone
Annual Groundwater Monitoring Report
Delta Automotive, Inc.
Sheffield, Alabama

FIGURE NO. 5

DRAWN BY:	DESIGNED BY:	DATE:	SCALE:	PROJECT NO.
TGH	B. Cooch	2-9-00	1" = 60'	99-040512.04

Table 1 Monitoring Well Summary
Delta Automotive, Inc. Sheffield, Alabama

Well Number	Top of Riser (ft MSL)	Measured Total Depth*	Screened Interval	Well Construction Materials			
				Riser and Screen	Grout (ft bls)	Bentonite (ft bls)	Sand Pack (ft bls)
MW-5	500.41	60.94	40.5-60.5	PVC	0.0-30.5	30.5-33.5	33.5-60.5
MW-7	501.02	26.05	27.0-37.0	PVC	0.0-22.0	22.0-25.0	25.0-37.0
MW-9	496.81	40.92	31.0-41.0	PVC	0.0-26.0	26.0-28.0	28.0-41.0
MW-10	503.82	78.80	69.3-79.3	PVC	0.0-62.0	62.0-65.0	65.0-79.3
MW-11	500.42	123.85	115.8-125.8	PVC	0.0-105.2	105.2-110.1	110.1-125.8
MW-12	496.98	69.98	60.0-70.0	PVC	54.0-57.0	54.0-57.0	57.0-75.0
MW-13	498.27	39.84	20.0-40.0	PVC	0.0-17.0	17.0-18.0	18.0-40.0
MW-14	499.82	34.81	20.0-35.0	PVC	0.0-17.0	17.0-18.0	18.0-35.0
MW-15	499.40	141.13	122.0-142.0	PVC	0.0-119.0	119.0-120.0	120.0-142.0

* Measured initial total depth in feet below top of casing
ft bls = feet below land surface
ft MSL = feet above mean sea level

Table 2 Groundwater Analytical Parameters
Delta Automotive – Sheffield, Alabama

METHOD 6010 (250 ml plastic, nitric acid preserved)

Aluminum
Arsenic
Barium
Cadmium
Chromium
Lead
Silver
Zinc

METHOD 9065 (175 ml plastic, sulfuric acid preserved)

Phenol

METHOD 8260 (two 40 ml vials, hydrochloric acid preserved)

Acetone
Benzene
n-Butylbenzene
t-Butylbenzene
Carbon Tetrachloride
Chloroethane
Chloroform
1-1-Dichloroethylene
1-1-Dichloroethane
1-2-Dichloroethane
cis-1,3-Dichloropropene
Ethylbenzene
Isopropylbenzene
n-Propylbenzene
1,1,1-Trichloroethane
1,1,2-Trichloroethane
Trichloroethene
1,2,4 Trimethylbenzene
Vinyl Chloride
Xylenes
Bromodichloromethane

Table 3 Summary of Groundwater Analytical Results
Delta Automotive – Sheffield, Alabama
Samples Collected March 16, 1999

Analytical Parameter	MW-5	MW-7	MW-9	MW-10	MW-11	MW-12
Aluminum[1]	0.074	0.169	0.100	0.735	ND	0.345
Arsenic	ND	ND	ND	ND	ND	ND
Barium	0.026	0.045	0.021	0.024	0.028	0.060
Cadmium	ND	ND	ND	ND	ND	ND
Chromium	ND	ND	ND	ND	ND	ND
Lead	0.007	ND	ND	0.005	0.016	ND
Silver	ND	ND	ND	ND	ND	ND
Zinc	0.039	0.082	ND	0.097	0.044	ND
Phenol[2]	ND	ND	ND	ND	ND	ND
Acetone	ND	ND	ND	ND	ND	ND
Benzene	ND	ND	ND	ND	ND	ND
n-Butylbenzene	ND	ND	ND	ND	ND	ND
t-Butylbenzene	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND
1-1-Dichloroethene	**47.4**	ND	ND	ND	ND	ND
1-1-Dichloroethane	ND	ND	ND	ND	ND	ND
1-2-Dichloroethane	**36.4**	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND
Isopropylbenzene	ND	ND	ND	ND	ND	ND
n-Propylbenzene	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5.2	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND
Trichloroethene	2.7	ND	ND	ND	ND	ND
1,2,4 Trimethylbenzene	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ND	ND	ND	ND	ND	ND
Xylenes	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND	ND	ND

1 – Metals concentrations reported in parts per million (mg/l)
2 – Phenols and volatiles reported in parts per billion (ug/l)
ND = Not Detected
Bold Font indicates concentrations detected above the MCL.

Table 3A Summary of Groundwater Analytical Results
Delta Automotive – Sheffield, Alabama
Samples Collected September 17, 1999

Analytical Parameter	MW-5	MW-7	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15
Aluminum[1]	0.426	0.338	ND	0.187	0.202	0.340	ND	0.301	0.205
Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	ND
Barium	0.024	0.036	ND	0.043	0.030	0.043	0.053	0.073	0.024
Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	ND	ND	ND	ND	ND	0.006	ND	ND	ND
Lead	ND	ND	ND	ND	ND	0.010	ND	ND	ND
Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc	0.035	ND	ND	ND	ND	0.107	ND	ND	ND
Phenol[2]	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND
t-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND
1-1-Dichloroethene	**39.9**	ND	ND	ND	ND	ND	ND	ND	ND
1-1-Dichloroethane	**23.7**	ND	ND	ND	ND	ND	ND	ND	ND
1-2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	11.9	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5.9	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4 Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND

1 – Metals concentrations reported in parts per million (mg/l)
2 – Phenols and volatiles reported in parts per billion (ug/l)
ND = Not Detected
Bold Font indicates concentrations detected above the MCL.

Table 4 Groundwater Elevations
Delta Automotive, Inc. – Sheffield, Alabama
March 16, 1999

Monitoring Well Number	Measurement Date	Top of Casing Elevation	Depth to Water	Groundwater Elevation
MW-5	3/16/99	502.39	34.90	465.51
MW-7	3/16/99	501.20	4.92	496.28
MW-9	3/16/99	496.81	8.52	488.29
MW-10	3/16/99	503.82	33.19	470.63
MW-11	3/16/99	501.78	31.53	468.89
MW-12	3/16/99	496.98	33.73	463.25

Top of Casing elevations are referenced to an arbitrary benchmark of 500 feet.

Table 4A Groundwater Elevations
Delta Automotive, Inc. – Sheffield, Alabama
September 17, 1999

Monitoring Well Number	Measurement Date	Top of Casing Elevation	Depth to Water	Groundwater Elevation
MW-5	9/17/99	502.39	52.74	449.65
MW-7	9/17/99	501.02	22.01	479.19
MW-9	9/17/99	496.81	21.71	475.10
MW-10	9/17/99	503.82	54.10	449.72
MW-11	9/17/99	501.78	51.46	450.32
MW-12	9/17/99	496.98	51.12	445.86
MW-13	9/17/99	498.27	33.01	465.26
MW-14	9/17/99	499.82	30.21	469.61
MW-15	9/17/99	499.40	54.01	445.39

Top of Casing elevations are referenced to an arbitrary benchmark of 500 feet.

Table 5 Temperature, pH and Specific Conductance Delta Automotive, Inc. – Sheffield, Alabama March 16, 1999			
Monitoring Well Number	Temperature (Degrees Celsius)	pH Standard Units	Specific Conductance (Micromhos/cm)
MW-5	18.9	5.83	194
MW-7	16.8	5.32	136
MW-9	19.9	5.45	238
MW-10	17.3	7.70	358
MW-11	19.5	7.12	425
MW-12	19.5	12.20	720

Table 5A Temperature, pH and Specific Conductance Delta Automotive, Inc. – Sheffield, Alabama September 17, 1999			
Monitoring Well Number	Temperature (Degrees Celsius)	pH Standard Units	Specific Conductance (Micromhos/cm)
MW-5	23.6	6.55	204
MW-7	21.8	5.81	48
MW-9	22.2	6.34	49
MW-10	22.4	6.85	215
MW-11	21.8	6.97	250
MW-12	22.7	9.12	101
MW-13	22.4	6.09	105
MW-14	21.8	6.10	115
MW-15	22.7	7.04	255

SPECIALIZED ASSAYS, INC.
2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

DELTA AUTOMOTIVE, INC. 8208

103 S. ATLANTA AVE
SHEFFIELD, AL 35660

Project: 99-040512.02
Project Name: SHEFFIELD, AL
Sampler: WILLIAM COOCH

Lab Number: 99-A37440
Sample ID: MW-10
Sample Type: Ground water
Site ID:

Date Collected: 3/16/99
Time Collected: 11:40
Date Received: 3/17/99
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
VOLATILE ORGANICS										
Acetone	ND	ug/l	10	10	1	3/18/99	10:03	G.Norton	8260B	2838
Benzene	ND	ug/l	2	2	1	3/18/99	10:03	G.Norton	8260B	2838
n-Butylbenzene	ND	ug/l	2	2	1	3/18/99	10:03	G.Norton	8260B	2838
t-Butylbenzene	ND	ug/l	2	2	1	3/18/99	10:03	G.Norton	8260B	2838
Carbon tetrachloride	ND	ug/l	2	2	1	3/18/99	10:03	G.Norton	8260B	2838
Chloroethane	ND	ug/l	2	2	1	3/18/99	10:03	G.Norton	8260B	2838
Chloroform	ND	ug/l	2	2	1	3/18/99	10:03	G.Norton	8260B	2838
1,1-Dichloroethane	ND	ug/l	2	2	1	3/18/99	10:03	G.Norton	8260B	2838
1,2-Dichloroethane	ND	ug/l	2	2	1	3/18/99	10:03	G.Norton	8260B	2838
1,1-Dichloroethene	ND	ug/l	2	2	1	3/18/99	10:03	G.Norton	8260B	2838
1,1-Dichloropropene	ND	ug/l	2	2	1	3/18/99	10:03	G.Norton	8260B	2838
Ethylbenzene	ND	ug/l	2	2	1	3/18/99	10:03	G.Norton	8260B	2838
Isopropylbenzene	ND	ug/l	2	2	1	3/18/99	10:03	G.Norton	8260B	2838
n-Propylbenzene	ND	ug/l	2	2	1	3/18/99	10:03	G.Norton	8260B	2838
1,1,1-Trichloroethane	ND	ug/l	2	2	1	3/18/99	10:03	G.Norton	8260B	2838
1,1,2-Trichloroethane	ND	ug/l	2	2	1	3/18/99	10:03	G.Norton	8260B	2838
Trichloroethene	ND	ug/l	2	2	1	3/18/99	10:03	G.Norton	8260B	2838
1,2,4-Trimethylbenzene	ND	ug/l	2	2	1	3/18/99	10:03	G.Norton	8260B	2838
Vinyl chloride	ND	ug/l	2	2	1	3/18/99	10:03	G.Norton	8260B	2838
Xylenes	ND	ug/l	2	2	1	3/18/99	10:03	G.Norton	8260B	2838
METALS										
Aluminum, Total	0.7350	mg/l	0.0500	0.0500	1	3/23/99	7:00	C.Holmes	6010B	2901
Arsenic, Total	ND	mg/l	0.0050	0.0050	1	3/23/99	7:00	C.Holmes	6010B	2901
Barium, Total	0.0240	mg/l	0.0100	0.0100	1	3/23/99	7:00	C.Holmes	6010B	2901
Cadmium, Total	ND	mg/l	0.0010	0.0010	1	3/23/99	7:00	C.Holmes	6010B	2901
Chromium, Total	ND	mg/l	0.0050	0.0050	1	3/23/99	7:00	C.Holmes	6010B	2901
Lead, Total	0.0050	mg/l	0.0030	0.0030	1	3/23/99	7:00	C.Holmes	6010B	2901
Silver, Total	ND	mg/l	0.0050	0.0050	1	3/23/99	7:00	C.Holmes	6010B	2901
Zinc, Total	0.0970	mg/l	0.0200	0.0200	1	3/23/99	7:00	C.Holmes	6010B	2901
MISCELLANEOUS CHEMISTRY										
Phenolics	ND	mg/l	0.050	0.050	1	3/19/99	8:30	J.Temple	9066	3574

ND = Not detected at the report limit.

SPECIALIZED ASSAYS, INC.
2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A37440
Sample ID: MW-10

Surrogate	% Recovery	Target Range
VOA Surrogate, 1,2-Dichloroethane, d4	97.	60. - 138.
VOA Surrogate, Toluene d8	101.	80. - 123.
VOA Surrogate, 4-Bromofluorobenzene	95.	73. - 122.
VOA Surrogate, Dibromofluoromethane	95.	74. - 133.

Report Approved By: Michael H. Dunn Report Date: 3/23/99

Theodore J. Duello, Ph.D., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Services
Eric Smith, Assistant Technical Director

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ANALYTICAL REPORT

DELTA AUTOMOTIVE, INC. 8208

103 S. ATLANTA AVE
SHEFFIELD, AL 35660

Project: 99-040512.02
Project Name: SHEFFIELD, AL
Sampler: WILLIAM COOCH

Lab Number: 99-A37441
Sample ID: MW-7
Sample Type: Ground water
Site ID:

Date Collected: 3/16/99
Time Collected: 11:58
Date Received: 3/17/99
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
VOLATILE ORGANICS										
Acetone	ND	ug/l	10	10	1	3/18/99	10:40	G.Norton	8260B	2838
Benzene	ND	ug/l	2	2	1	3/18/99	10:40	G.Norton	8260B	2838
n-Butylbenzene	ND	ug/l	2	2	1	3/18/99	10:40	G.Norton	8260B	2838
t-Butylbenzene	ND	ug/l	2	2	1	3/18/99	10:40	G.Norton	8260B	2838
Carbon tetrachloride	ND	ug/l	2	2	1	3/18/99	10:40	G.Norton	8260B	2838
Chloroethane	ND	ug/l	2	2	1	3/18/99	10:40	G.Norton	8260B	2838
Chloroform	ND	ug/l	2	2	1	3/18/99	10:40	G.Norton	8260B	2838
1,1-Dichloroethane	ND	ug/l	2	2	1	3/18/99	10:40	G.Norton	8260B	2838
1,2-Dichloroethane	ND	ug/l	2	2	1	3/18/99	10:40	G.Norton	8260B	2838
1,1-Dichloroethene	ND	ug/l	2	2	1	3/18/99	10:40	G.Norton	8260B	2838
1,1-Dichloropropene	ND	ug/l	2	2	1	3/18/99	10:40	G.Norton	8260B	2838
Ethylbenzene	ND	ug/l	2	2	1	3/18/99	10:40	G.Norton	8260B	2838
Isopropylbenzene	ND	ug/l	2	2	1	3/18/99	10:40	G.Norton	8260B	2838
n-Propylbenzene	ND	ug/l	2	2	1	3/18/99	10:40	G.Norton	8260B	2838
1,1,1-Trichloroethane	ND	ug/l	2	2	1	3/18/99	10:40	G.Norton	8260B	2838
1,1,2-Trichloroethane	ND	ug/l	2	2	1	3/18/99	10:40	G.Norton	8260B	2838
Trichloroethene	ND	ug/l	2	2	1	3/18/99	10:40	G.Norton	8260B	2838
1,2,4-Trimethylbenzene	ND	ug/l	2	2	1	3/18/99	10:40	G.Norton	8260B	2838
Vinyl chloride	ND	ug/l	2	2	1	3/18/99	10:40	G.Norton	8260B	2838
Xylenes	ND	ug/l	2	2	1	3/18/99	10:40	G.Norton	8260B	2838
METALS										
Aluminum, Total	0.1690	mg/l	0.0500	0.0500	1	3/23/99	7:00	C.Holmes	6010B	2901
Arsenic, Total	ND	mg/l	0.0050	0.0050	1	3/23/99	7:00	C.Holmes	6010B	2901
Barium, Total	0.0450	mg/l	0.0100	0.0100	1	3/23/99	7:00	C.Holmes	6010B	2901
Cadmium, Total	ND	mg/l	0.0010	0.0010	1	3/23/99	7:00	C.Holmes	6010B	2901
Chromium, Total	ND	mg/l	0.0050	0.0050	1	3/23/99	7:00	C.Holmes	6010B	2901
Lead, Total	ND	mg/l	0.0030	0.0030	1	3/23/99	7:00	C.Holmes	6010B	2901
Silver, Total	ND	mg/l	0.0050	0.0050	1	3/23/99	7:00	C.Holmes	6010B	2901
Zinc, Total	0.0820	mg/l	0.0200	0.0200	1	3/23/99	7:00	C.Holmes	6010B	2901
MISCELLANEOUS CHEMISTRY										
Phenolics	ND	mg/l	0.050	0.050	1	3/19/99	8:30	J.Temple	9066	3574

ND = Not detected at the report limit.

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A37441
Sample ID: MW-7

Surrogate	% Recovery	Target Range
VOA Surrogate, 1,2-Dichloroethane, d4	98.	60. - 138.
VOA Surrogate, Toluene d8	102.	80. - 123.
VOA Surrogate, 4-Bromofluorobenzene	94.	73. - 122.
VOA Surrogate, Dibromofluoromethane	96.	74. - 133.

Report Approved By: Michael D. Dunn Report Date: 3/23/99

Theodore J. Duello, Ph.D., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Services
Eric Smith, Assistant Technical Director

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ANALYTICAL REPORT

DELTA AUTOMOTIVE, INC. 8208

103 S. ATLANTA AVE
SHEFFIELD, AL 35660

Project: 99-040512.02
Project Name: SHEFFIELD, AL
Sampler: WILLIAM COOCH

Lab Number: 99-A37442
Sample ID: MW-12
Sample Type: Ground water
Site ID:

Date Collected: 3/16/99
Time Collected: 12:30
Date Received: 3/17/99
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
VOLATILE ORGANICS										
Acetone	ND	ug/l	10	10	1	3/18/99	11:17	G.Norton	8260B	2838
Benzene	ND	ug/l	2	2	1	3/18/99	11:17	G.Norton	8260B	2838
n-Butylbenzene	ND	ug/l	2	2	1	3/18/99	11:17	G.Norton	8260B	2838
t-Butylbenzene	ND	ug/l	2	2	1	3/18/99	11:17	G.Norton	8260B	2838
Carbon tetrachloride	ND	ug/l	2	2	1	3/18/99	11:17	G.Norton	8260B	2838
Chloroethane	ND	ug/l	2	2	1	3/18/99	11:17	G.Norton	8260B	2838
Chloroform	ND	ug/l	2	2	1	3/18/99	11:17	G.Norton	8260B	2838
1,1-Dichloroethane	ND	ug/l	2	2	1	3/18/99	11:17	G.Norton	8260B	2838
1,2-Dichloroethane	ND	ug/l	2	2	1	3/18/99	11:17	G.Norton	8260B	2838
1,1-Dichloroethene	ND	ug/l	2	2	1	3/18/99	11:17	G.Norton	8260B	2838
1,1-Dichloropropene	ND	ug/l	2	2	1	3/18/99	11:17	G.Norton	8260B	2838
Ethylbenzene	ND	ug/l	2	2	1	3/18/99	11:17	G.Norton	8260B	2838
Isopropylbenzene	ND	ug/l	2	2	1	3/18/99	11:17	G.Norton	8260B	2838
n-Propylbenzene	ND	ug/l	2	2	1	3/18/99	11:17	G.Norton	8260B	2838
1,1,1-Trichloroethane	ND	ug/l	2	2	1	3/18/99	11:17	G.Norton	8260B	2838
1,1,2-Trichloroethane	ND	ug/l	2	2	1	3/18/99	11:17	G.Norton	8260B	2838
Trichloroethene	ND	ug/l	2	2	1	3/18/99	11:17	G.Norton	8260B	2838
1,2,4-Trimethylbenzene	ND	ug/l	2	2	1	3/18/99	11:17	G.Norton	8260B	2838
Vinyl chloride	ND	ug/l	2	2	1	3/18/99	11:17	G.Norton	8260B	2838
Xylenes	ND	ug/l	2	2	1	3/18/99	11:17	G.Norton	8260B	2838
METALS										
Aluminum, Total	0.3450	mg/l	0.0500	0.0500	1	3/23/99	7:00	C.Holmes	6010B	2901
Arsenic, Total	ND	mg/l	0.0050	0.0050	1	3/23/99	7:00	C.Holmes	6010B	2901
Barium, Total	0.0600	mg/l	0.0100	0.0100	1	3/23/99	7:00	C.Holmes	6010B	2901
Cadmium, Total	ND	mg/l	0.0010	0.0010	1	3/23/99	7:00	C.Holmes	6010B	2901
Chromium, Total	ND	mg/l	0.0050	0.0050	1	3/23/99	7:00	C.Holmes	6010B	2901
Lead, Total	ND	mg/l	0.0030	0.0030	1	3/23/99	7:00	C.Holmes	6010B	2901
Silver, Total	ND	mg/l	0.0050	0.0050	1	3/23/99	7:00	C.Holmes	6010B	2901
Zinc, Total	ND	mg/l	0.0200	0.0200	1	3/23/99	7:00	C.Holmes	6010B	2901
MISCELLANEOUS CHEMISTRY										
Phenolics	ND	mg/l	0.050	0.050	1	3/19/99	8:30	J.Temple	9066	3574

ND = Not detected at the report limit.

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A37442
Sample ID: MW-12

Surrogate	% Recovery	Target Range
VOA Surrogate, 1,2-Dichloroethane, d4	95.	60. - 138.
VOA Surrogate, Toluene d8	103.	80. - 123.
VOA Surrogate, 4-Bromofluorobenzene	97.	73. - 122.
VOA Surrogate, Dibromofluoromethane	95.	74. - 133.

Report Approved By: Michael H. Dunn Report Date: 3/23/99

Theodore J. Duello, Ph.D., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Services
Eric Smith, Assistant Technical Director

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P.O. Box 40566
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ANALYTICAL REPORT

DELTA AUTOMOTIVE, INC. 8208

103 S. ATLANTA AVE
SHEFFIELD, AL 35660

Project: 99-040512.02
Project Name: SHEFFIELD, AL
Sampler: WILLIAM COOCH

Lab Number: 99-A37443
Sample ID: MW-9
Sample Type: Ground water
Site ID:

Date Collected: 3/16/99
Time Collected: 12:45
Date Received: 3/17/99
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
VOLATILE ORGANICS										
Acetone	ND	ug/l	10	10	1	3/18/99	11:54	G.Norton	8260B	2838
Benzene	ND	ug/l	2	2	1	3/18/99	11:54	G.Norton	8260B	2838
n-Butylbenzene	ND	ug/l	2	2	1	3/18/99	11:54	G.Norton	8260B	2838
t-Butylbenzene	ND	ug/l	2	2	1	3/18/99	11:54	G.Norton	8260B	2838
Carbon tetrachloride	ND	ug/l	2	2	1	3/18/99	11:54	G.Norton	8260B	2838
Chloroethane	ND	ug/l	2	2	1	3/18/99	11:54	G.Norton	8260B	2838
Chloroform	ND	ug/l	2	2	1	3/18/99	11:54	G.Norton	8260B	2838
1,1-Dichloroethane	ND	ug/l	2	2	1	3/18/99	11:54	G.Norton	8260B	2838
1,2-Dichloroethane	ND	ug/l	2	2	1	3/18/99	11:54	G.Norton	8260B	2838
1,1-Dichloroethene	ND	ug/l	2	2	1	3/18/99	11:54	G.Norton	8260B	2838
1,1-Dichloropropene	ND	ug/l	2	2	1	3/18/99	11:54	G.Norton	8260B	2838
Ethylbenzene	ND	ug/l	2	2	1	3/18/99	11:54	G.Norton	8260B	2838
Isopropylbenzene	ND	ug/l	2	2	1	3/18/99	11:54	G.Norton	8260B	2838
n-Propylbenzene	ND	ug/l	2	2	1	3/18/99	11:54	G.Norton	8260B	2838
1,1,1-Trichloroethane	ND	ug/l	2	2	1	3/18/99	11:54	G.Norton	8260B	2838
1,1,2-Trichloroethane	ND	ug/l	2	2	1	3/18/99	11:54	G.Norton	8260B	2838
Trichloroethene	ND	ug/l	2	2	1	3/18/99	11:54	G.Norton	8260B	2838
1,2,4-Trimethylbenzene	ND	ug/l	2	2	1	3/18/99	11:54	G.Norton	8260B	2838
Vinyl chloride	ND	ug/l	2	2	1	3/18/99	11:54	G.Norton	8260B	2838
Xylenes	ND	ug/l	2	2	1	3/18/99	11:54	G.Norton	8260B	2838
METALS										
Aluminum, Total	0.1000	mg/l	0.0500	0.0500	1	3/23/99	7:00	C.Holmes	6010B	2901
Arsenic, Total	ND	mg/l	0.0050	0.0050	1	3/23/99	7:00	C.Holmes	6010B	2901
Barium, Total	0.0210	mg/l	0.0100	0.0100	1	3/23/99	7:00	C.Holmes	6010B	2901
Cadmium, Total	ND	mg/l	0.0010	0.0010	1	3/23/99	7:00	C.Holmes	6010B	2901
Chromium, Total	ND	mg/l	0.0050	0.0050	1	3/23/99	7:00	C.Holmes	6010B	2901
Lead, Total	ND	mg/l	0.0030	0.0030	1	3/23/99	7:00	C.Holmes	6010B	2901
Silver, Total	ND	mg/l	0.0050	0.0050	1	3/23/99	7:00	C.Holmes	6010B	2901
Zinc, Total	ND	mg/l	0.0200	0.0200	1	3/23/99	7:00	C.Holmes	6010B	2901
MISCELLANEOUS CHEMISTRY										
Phenolics	ND	mg/l	0.050	0.050	1	3/19/99	8:30	J.Temple	9066	3574

ND = Not detected at the report limit.

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A37443
Sample ID: MW-9

Surrogate	% Recovery	Target Range
VOA Surrogate, 1,2-Dichloroethane, d4	97.	60. - 138.
VOA Surrogate, Toluene d8	101.	80. - 123.
VOA Surrogate, 4-Bromofluorobenzene	93.	73. - 122.
VOA Surrogate, Dibromofluoromethane	97.	74. - 133.

Report Approved By: Michael H. Dunn Report Date: 3/23/99

Theodore J. Duello, Ph.D., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Services
Eric Smith, Assistant Technical Director

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ANALYTICAL REPORT

DELTA AUTOMOTIVE, INC. 8208

103 S. ATLANTA AVE
SHEFFIELD, AL 35660

Project: 99-040512.02
Project Name: SHEFFIELD, AL
Sampler: WILLIAM COOCH

Lab Number: 99-A37444
Sample ID: MW-11
Sample Type: Ground water
Site ID:

Date Collected: 3/16/99
Time Collected: 13:06
Date Received: 3/17/99
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
VOLATILE ORGANICS										
Acetone	ND	ug/l	10	10	1	3/18/99	12:31	G.Norton	8260B	2838
Benzene	ND	ug/l	2	2	1	3/18/99	12:31	G.Norton	8260B	2838
n-Butylbenzene	ND	ug/l	2	2	1	3/18/99	12:31	G.Norton	8260B	2838
t-Butylbenzene	ND	ug/l	2	2	1	3/18/99	12:31	G.Norton	8260B	2838
Carbon tetrachloride	ND	ug/l	2	2	1	3/18/99	12:31	G.Norton	8260B	2838
Chloroethane	ND	ug/l	2	2	1	3/18/99	12:31	G.Norton	8260B	2838
Chloroform	ND	ug/l	2	2	1	3/18/99	12:31	G.Norton	8260B	2838
1,1-Dichloroethane	ND	ug/l	2	2	1	3/18/99	12:31	G.Norton	8260B	2838
1,2-Dichloroethane	ND	ug/l	2	2	1	3/18/99	12:31	G.Norton	8260B	2838
1,1-Dichloroethene	ND	ug/l	2	2	1	3/18/99	12:31	G.Norton	8260B	2838
1,1-Dichloropropene	ND	ug/l	2	2	1	3/18/99	12:31	G.Norton	8260B	2838
Ethylbenzene	ND	ug/l	2	2	1	3/18/99	12:31	G.Norton	8260B	2838
Isopropylbenzene	ND	ug/l	2	2	1	3/18/99	12:31	G.Norton	8260B	2838
n-Propylbenzene	ND	ug/l	2	2	1	3/18/99	12:31	G.Norton	8260B	2838
1,1,1-Trichloroethane	ND	ug/l	2	2	1	3/18/99	12:31	G.Norton	8260B	2838
1,1,2-Trichloroethane	ND	ug/l	2	2	1	3/18/99	12:31	G.Norton	8260B	2838
Trichloroethene	ND	ug/l	2	2	1	3/18/99	12:31	G.Norton	8260B	2838
1,2,4-Trimethylbenzene	ND	ug/l	2	2	1	3/18/99	12:31	G.Norton	8260B	2838
Vinyl chloride	ND	ug/l	2	2	1	3/18/99	12:31	G.Norton	8260B	2838
Xylenes	ND	ug/l	2	2	1	3/18/99	12:31	G.Norton	8260B	2838
METALS										
Aluminum, Total	ND	mg/l	0.0500	0.0500	1	3/23/99	7:00	C.Holmes	6010B	2901
Arsenic, Total	ND	mg/l	0.0050	0.0050	1	3/23/99	7:00	C.Holmes	6010B	2901
Barium, Total	0.0280	mg/l	0.0100	0.0100	1	3/23/99	7:00	C.Holmes	6010B	2901
Cadmium, Total	ND	mg/l	0.0010	0.0010	1	3/23/99	7:00	C.Holmes	6010B	2901
Chromium, Total	ND	mg/l	0.0050	0.0050	1	3/23/99	7:00	C.Holmes	6010B	2901
Lead, Total	0.0160	mg/l	0.0030	0.0030	1	3/23/99	7:00	C.Holmes	6010B	2901
Silver, Total	ND	mg/l	0.0050	0.0050	1	3/23/99	7:00	C.Holmes	6010B	2901
Zinc, Total	0.0440	mg/l	0.0200	0.0200	1	3/23/99	7:00	C.Holmes	6010B	2901
MISCELLANEOUS CHEMISTRY										
Phenolics	ND	mg/l	0.050	0.050	1	3/23/99	8:45	J.Temple	9066	5329

ND = Not detected at the report limit.

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A37444
Sample ID: MW-11

Surrogate	% Recovery	Target Range
VOA Surrogate, 1,2-Dichloroethane, d4	99.	60. - 138.
VOA Surrogate, Toluene d8	103.	80. - 123.
VOA Surrogate, 4-Bromofluorobenzene	94.	73. - 122.
VOA Surrogate, Dibromofluoromethane	96.	74. - 133.

Report Approved By: Michael H. Dunn Report Date: 3/23/99

Theodore J. Duello, Ph.D., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Services
Eric Smith, Assistant Technical Director

SPECIALIZED ASSAYS, INC.
2960 Foster Creighton Dr.
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Nashville, TN 37204-0566
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ANALYTICAL REPORT

DELTA AUTOMOTIVE, INC. 8208

103 S. ATLANTA AVE
SHEFFIELD, AL 35660

Project: 99-040512.02
Project Name: SHEFFIELD, AL
Sampler: WILLIAM COOCH

Lab Number: 99-A37445
Sample ID: MW-5
Sample Type: Ground water
Site ID:

Date Collected: 3/16/99
Time Collected: 13:17
Date Received: 3/17/99
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
VOLATILE ORGANICS										
Acetone	ND	ug/l	10	10	1	3/18/99	13:08	G.Norton	8260B	2838
Benzene	ND	ug/l	2	2	1	3/18/99	13:08	G.Norton	8260B	2838
n-Butylbenzene	ND	ug/l	2	2	1	3/18/99	13:08	G.Norton	8260B	2838
t-Butylbenzene	ND	ug/l	2	2	1	3/18/99	13:08	G.Norton	8260B	2838
Carbon tetrachloride	ND	ug/l	2	2	1	3/18/99	13:08	G.Norton	8260B	2838
Chloroethane	ND	ug/l	2	2	1	3/18/99	13:08	G.Norton	8260B	2838
Chloroform	ND	ug/l	2	2	1	3/18/99	13:08	G.Norton	8260B	2838
1,1-Dichloroethane	36.4	ug/l	2	2	1	3/18/99	13:08	G.Norton	8260B	2838
1,2-Dichloroethane	ND	ug/l	2	2	1	3/18/99	13:08	G.Norton	8260B	2838
1,1-Dichloroethene	47.4	ug/l	2	2	1	3/18/99	13:08	G.Norton	8260B	2838
1,1-Dichloropropene	ND	ug/l	2	2	1	3/18/99	13:08	G.Norton	8260B	2838
Ethylbenzene	ND	ug/l	2	2	1	3/18/99	13:08	G.Norton	8260B	2838
Isopropylbenzene	ND	ug/l	2	2	1	3/18/99	13:08	G.Norton	8260B	2838
n-Propylbenzene	ND	ug/l	2	2	1	3/18/99	13:08	G.Norton	8260B	2838
1,1,1-Trichloroethane	5.2	ug/l	2	2	1	3/18/99	13:08	G.Norton	8260B	2838
1,1,2-Trichloroethane	ND	ug/l	2	2	1	3/18/99	13:08	G.Norton	8260B	2838
Trichloroethene	2.7	ug/l	2	2	1	3/18/99	13:08	G.Norton	8260B	2838
1,2,4-Trimethylbenzene	ND	ug/l	2	2	1	3/18/99	13:08	G.Norton	8260B	2838
Vinyl chloride	ND	ug/l	2	2	1	3/18/99	13:08	G.Norton	8260B	2838
Xylenes	ND	ug/l	2	2	1	3/18/99	13:08	G.Norton	8260B	2838
METALS										
Aluminum, Total	0.0740	mg/l	0.0500	0.0500	1	3/23/99	7:00	C.Holmes	6010B	2901
Arsenic, Total	ND	mg/l	0.0050	0.0050	1	3/23/99	7:00	C.Holmes	6010B	2901
Barium, Total	0.0260	mg/l	0.0100	0.0100	1	3/23/99	7:00	C.Holmes	6010B	2901
Cadmium, Total	ND	mg/l	0.0010	0.0010	1	3/23/99	7:00	C.Holmes	6010B	2901
Chromium, Total	ND	mg/l	0.0050	0.0050	1	3/23/99	7:00	C.Holmes	6010B	2901
Lead, Total	0.0070	mg/l	0.0030	0.0030	1	3/23/99	7:00	C.Holmes	6010B	2901
Silver, Total	ND	mg/l	0.0050	0.0050	1	3/23/99	7:00	C.Holmes	6010B	2901
Zinc, Total	0.0390	mg/l	0.0200	0.0200	1	3/23/99	7:00	C.Holmes	6010B	2901
MISCELLANEOUS CHEMISTRY										
Phenolics	ND	mg/l	0.050	0.050	1	3/23/99	8:45	J.Temple	9066	5329

ND = Not detected at the report limit.

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Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A37445
Sample ID: MW-5

Surrogate	% Recovery	Target Range
VOA Surrogate, 1,2-Dichloroethane, d4	100.	60. - 138.
VOA Surrogate, Toluene d8	103.	80. - 123.
VOA Surrogate, 4-Bromofluorobenzene	95.	73. - 122.
VOA Surrogate, Dibromofluoromethane	98.	74. - 133.

Report Approved By: Michael H. Dunn Report Date: 3/23/99

Theodore J. Duello, Ph.D., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Services
Eric Smith, Assistant Technical Director

SPECIALIZED ASSAYS, INC.
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Phone 1-615-726-0177

ANALYTICAL REPORT

DELTA AUTOMOTIVE, INC. 8208

103 S. ATLANTA AVE
SHEFFIELD, AL 35660

Project: 99-040512.02
Project Name: SHEFFIELD, AL
Sampler: WILLIAM COOCH

Lab Number: 99-A37446
Sample ID: DRUM C
Sample Type: Ground water
Site ID:

Date Collected: 3/16/99
Time Collected: 13:31
Date Received: 3/17/99
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
VOLATILE ORGANICS										
Acetone	ND	ug/l	10	10	1	3/18/99	13:44	G.Norton	8260B	2838
Benzene	ND	ug/l	2	2	1	3/18/99	13:44	G.Norton	8260B	2838
n-Butylbenzene	ND	ug/l	2	2	1	3/18/99	13:44	G.Norton	8260B	2838
t-Butylbenzene	ND	ug/l	2	2	1	3/18/99	13:44	G.Norton	8260B	2838
Carbon tetrachloride	ND	ug/l	2	2	1	3/18/99	13:44	G.Norton	8260B	2838
Chloroethane	ND	ug/l	2	2	1	3/18/99	13:44	G.Norton	8260B	2838
Chloroform	ND	ug/l	2	2	1	3/18/99	13:44	G.Norton	8260B	2838
1,1-Dichloroethane	4.8	ug/l	2	2	1	3/18/99	13:44	G.Norton	8260B	2838
1,2-Dichloroethane	ND	ug/l	2	2	1	3/18/99	13:44	G.Norton	8260B	2838
1,1-Dichloroethene	7	ug/l	2	2	1	3/18/99	13:44	G.Norton	8260B	2838
1,1-Dichloropropene	ND	ug/l	2	2	1	3/18/99	13:44	G.Norton	8260B	2838
Ethylbenzene	ND	ug/l	2	2	1	3/18/99	13:44	G.Norton	8260B	2838
Isopropylbenzene	ND	ug/l	2	2	1	3/18/99	13:44	G.Norton	8260B	2838
n-Propylbenzene	ND	ug/l	2	2	1	3/18/99	13:44	G.Norton	8260B	2838
1,1,1-Trichloroethane	ND	ug/l	2	2	1	3/18/99	13:44	G.Norton	8260B	2838
1,1,2-Trichloroethane	ND	ug/l	2	2	1	3/18/99	13:44	G.Norton	8260B	2838
Trichloroethene	ND	ug/l	2	2	1	3/18/99	13:44	G.Norton	8260B	2838
1,2,4-Trimethylbenzene	ND	ug/l	2	2	1	3/18/99	13:44	G.Norton	8260B	2838
Vinyl chloride	ND	ug/l	2	2	1	3/18/99	13:44	G.Norton	8260B	2838
Xylenes	ND	ug/l	2	2	1	3/18/99	13:44	G.Norton	8260B	2838
METALS										
Aluminum, Total	0.2540	mg/l	0.0500	0.0500	1	3/23/99	7:00	C.Holmes	6010B	2901
Arsenic, Total	ND	mg/l	0.0050	0.0050	1	3/23/99	7:00	C.Holmes	6010B	2901
Barium, Total	0.0290	mg/l	0.0100	0.0100	1	3/23/99	7:00	C.Holmes	6010B	2901
Cadmium, Total	ND	mg/l	0.0010	0.0010	1	3/23/99	7:00	C.Holmes	6010B	2901
Chromium, Total	ND	mg/l	0.0050	0.0050	1	3/23/99	7:00	C.Holmes	6010B	2901
Lead, Total	ND	mg/l	0.0030	0.0030	1	3/23/99	7:00	C.Holmes	6010B	2901
Silver, Total	ND	mg/l	0.0050	0.0050	1	3/23/99	7:00	C.Holmes	6010B	2901
Zinc, Total	0.0240	mg/l	0.0200	0.0200	1	3/23/99	7:00	C.Holmes	6010B	2901
MISCELLANEOUS CHEMISTRY										
Phenolics	ND	mg/l	0.050	0.050	1	3/23/99	8:45	J.Temple	9066	5329

ND = Not detected at the report limit.

SPECIALIZED ASSAYS, INC.

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Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A37446
Sample ID: DRUM C

Surrogate	% Recovery	Target Range
VOA Surrogate, 1,2-Dichloroethane, d4	99.	60. - 138.
VOA Surrogate, Toluene d8	101.	80. - 123.
VOA Surrogate, 4-Bromofluorobenzene	96.	73. - 122.
VOA Surrogate, Dibromofluoromethane	97.	74. - 133.

Report Approved By: Michael A. Dunn Report Date: 3/23/99

Theodore J. Duello, Ph.D., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Services
Eric Smith, Assistant Technical Director

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

PROJECT QUALITY CONTROL DATA

Matrix Spike Recovery

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch
Phenolics	mg/l	< 0.050	1.02	1.00	102	69. - 120.	3574
Phenolics	mg/l	< 0.050	0.604	1.00	60#	69. - 120.	5329
Benzene	mg/l	< 0.0020	0.0462	0.0500	92	66. - 135.	2838
1,1-Dichloroethene	mg/l	< 0.0020	0.0481	0.0500	96	59. - 144.	2838
Trichloroethene	mg/l	< 0.0020	0.0447	0.0500	89	54. - 153.	2838
Aluminum, Total	mg/l	0.0590	1.990	2.000	97	80 - 120	2901
Arsenic, Total	mg/l	< 0.0050	0.0520	0.0500	104	80 - 120	2901
Barium, Total	mg/l	0.0120	1.870	2.000	93	80 - 120	2901
Cadmium, Total	mg/l	< 0.0010	0.0480	0.0500	96	80 - 120	2901
Chromium, Total	mg/l	< 0.0050	0.1970	0.2000	98	80 - 120	2901
Lead, Total	mg/l	< 0.0030	0.0470	0.0500	94	80 - 120	2901
Silver, Total	mg/l	< 0.0050	0.0510	0.0500	102	80 - 120	2901
Zinc, Total	mg/l	0.0330	0.5010	0.5000	94	80 - 120	2901

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
Phenolics	mg/l	1.02	0.886	14.06#	7.	3574
Phenolics	mg/l	0.604	0.544	10.45#	7.	5329
Benzene	mg/l	0.0462	0.0482	4.24	18.	2838
1,1-Dichloroethene	mg/l	0.0481	0.0504	4.67	52.	2838
Trichloroethene	mg/l	0.0447	0.0472	5.44	18.	2838
Aluminum, Total	mg/l	1.990	2.050	2.97	20	2901
Arsenic, Total	mg/l	0.0520	0.0530	1.90	20	2901
Barium, Total	mg/l	1.870	1.910	2.12	20	2901
Cadmium, Total	mg/l	0.0480	0.0500	4.08	20	2901
Chromium, Total	mg/l	0.1970	0.2020	2.51	20	2901
Lead, Total	mg/l	0.0470	0.0480	2.11	20	2901
Silver, Total	mg/l	0.0510	0.0500	1.98	20	2901
Zinc, Total	mg/l	0.5010	0.5070	1.19	20	2901

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Acetone	mg/l	0.0500	0.0538	108	70 - 130	2838
Benzene	mg/l	0.0500	0.0484	97	70 - 130	2838
n-Butylbenzene	mg/l	0.0500	0.0439	88	70 - 130	2838
t-Butylbenzene	mg/l	0.0500	0.0480	96	70 - 130	2838
Carbon tetrachloride	mg/l	0.05000	0.05130	103	70 - 130	2838
Chloroethane	mg/l	0.0500	0.0488	98	70 - 130	2838
Chloroform	mg/l	0.0500	0.0473	95	70 - 130	2838
1,1-Dichloroethane	mg/l	0.0500	0.0458	92	70 - 130	2838
1,2-Dichloroethane	mg/l	0.0500	0.0486	97	70 - 130	2838
1,1-Dichloroethene	mg/l	0.0500	0.0491	98	70 - 130	2838

SPECIALIZED ASSAYS, INC.
2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

PROJECT QUALITY CONTROL DATA

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
1,1-Dichloropropene	ng/l	0.0500	0.0495	99	70 - 130	2838
Ethylbenzene	ng/l	0.0500	0.0503	101	70 - 130	2838
Isopropylbenzene	ng/l	0.0500	0.0484	97	70 - 130	2838
n-Propylbenzene	ng/l	0.0500	0.0473	95	70 - 130	2838
1,1,1-Trichloroethane	ng/l	0.0500	0.0505	101	70 - 130	2838
1,1,2-Trichloroethane	ng/l	0.0500	0.0478	96	70 - 130	2838
Trichloroethene	ng/l	0.0500	0.0461	92	70 - 130	2838
1,2,4-Trimethylbenzene	ng/l	0.0500	0.0486	97	70 - 130	2838
Vinyl chloride	ng/l	0.0500	0.0478	96	70 - 130	2838
Xylenes	ng/l	0.1500	0.1512	101	70 - 130	2838
Aluminum, Total	ng/l	0.2970	0.3170	107	80 - 120	2901
Arsenic, Total	ng/l	0.0530	0.0540	102	80 - 120	2901
Barium, Total	ng/l	0.5060	0.4990	99	80 - 120	2901
Cadmium, Total	ng/l	0.0510	0.0490	96	80 - 120	2901
Chromium, Total	ng/l	0.2710	0.2770	102	80 - 120	2901
Lead, Total	ng/l	0.3060	0.2940	96	80 - 120	2901
Silver, Total	ng/l	0.0990	0.0990	100	80 - 120	2901
Zinc, Total	ng/l	0.3290	0.3400	103	80 - 120	2901
Phenolics	ng/l	1.00	0.988	99	80 - 120	3574
Phenolics	ng/l	1.00	1.00	100	80 - 120	5329

Duplicates

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
Phenolics	ng/l	< 0.050	< 0.050	N/A	15.	3574
Phenolics	ng/l	< 0.050	< 0.050	N/A	15.	5329

Blank Data

Analyte	Blank Value	Units	Q.C. Batch
Aluminum, Total	< 0.0500	ng/l	2901
Arsenic, Total	< 0.0050	ng/l	2901
Barium, Total	< 0.0100	ng/l	2901
Cadmium, Total	< 0.0010	ng/l	2901
Chromium, Total	< 0.0050	ng/l	2901
Lead, Total	< 0.0030	ng/l	2901
Silver, Total	< 0.0050	ng/l	2901
Zinc, Total	< 0.0200	ng/l	2901
Phenolics	< 0.050	ng/l	3574
Phenolics	< 0.050	ng/l	5329
Acetone	< 0.0100	ng/l	2838
Benzene	< 0.0020	ng/l	2838
n-Butylbenzene	< 0.0020	ng/l	2838
t-Butylbenzene	< 0.0020	ng/l	2838
Carbon tetrachloride	< 0.00200	ng/l	2838

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

PROJECT QUALITY CONTROL DATA

Blank Data

Analyte	Blank Value	Units	Q.C. Batch
Chloroethane	< 0.0020	mg/l	2838
Chloroform	< 0.0020	mg/l	2838
1,1-Dichloroethane	< 0.0020	mg/l	2838
1,2-Dichloroethane	< 0.0020	mg/l	2838
1,1-Dichloroethene	< 0.0020	mg/l	2838
1,1-Dichloropropene	< 0.0020	mg/l	2838
Ethylbenzene	< 0.0020	mg/l	2838
Isopropylbenzene	< 0.0020	mg/l	2838
n-Propylbenzene	< 0.0020	mg/l	2838
1,1,1-Trichloroethane	< 0.0020	mg/l	2838
1,1,2-Trichloroethane	< 0.0020	mg/l	2838
Trichloroethene	< 0.0020	mg/l	2838
1,2,4-Trimethylbenzene	< 0.0020	mg/l	2838
Vinyl chloride	< 0.0020	mg/l	2838
Xylenes	< 0.0020	mg/l	2838

SPECIALIZED ASSAYS, INC.
2960 Foster Creighton Dr.
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Nashville, TN 37204-0566
Phone 1-615-726-0177

DELTA AUTOMOTIVE, IN[illegible]508
HENRY KENNETT
103 S. ATLANTA AVE
SHEFFIELD, AL 5[illegible]60

8208

CHAIN OF CUSTODY

Project Number:					Sampler:			Analysis Requested: VOC See Attached; 8270 Phenol See Attached; Metals See Attached
Project Name:					SAE Quote:			
Lab No.	Field Number	Date	Time	Matrix	Grab	Comp	Bottles	
37440	MW-10	3/16/99	11:41	H_2O	X		4	
41	MW-7		11:58		X			
42	MW-12		12:20		X			
43	MW-9		12:45		X			
44	MW-11		13:06		X			
45	MW-5		13:17		X			
37446	DRUM C		13:31			X		

Relinquished by:	D/T	Received by:	D/T	Relinquished by:	D/T	Received by:	D/T
[signature]	3/16/99 13:46	Fed Ex				[signature]	3/17 900
Relinquished by:	D/T	Received by:	D/T	Relinquished by:	D/T	Received by:	D/T

Cooler Temperature When Received: 4°c

Laboratory Project Number: 135158

Cooler Seals Intact?

Fed-X Air Bill Number:

SPECIAL INSTRUCTIONS:
See Attached for Parameter List

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Phone 1-615-726-0177

ANALYTICAL REPORT

HIGHLAND TECHNICAL SERVICES 8717
BILLY COOCH
1572 MONTGOMERY HIGHWAY
BIRMINGHAM, AL 35216

Lab Number: 99-A143171
Sample ID: MW #5
Sample Type: Ground water
Site ID:

Date Collected: 9/17/99
Time Collected: 13:00
Date Received: 9/18/99
Time Received: 9:00

Project:
Project Name: DELTA AUTOMOTIVE
Sampler: HOWARD YOUNGBLOOD

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
VOLATILE ORGANICS										
Acetone	ND	ug/l	10	10	1	9/25/99	20:58	J Holliman	8260B	7017
Benzene	ND	ug/l	2	2	1	9/25/99	20:58	J Holliman	8260B	7017
Bromobenzene	ND	ug/l	2	2	1	9/25/99	20:58	J Holliman	8260B	7017
Bromochloromethane	ND	ug/l	2	2	1	9/25/99	20:58	J Holliman	8260B	7017
Bromoform	ND	ug/l	2	2	1	9/25/99	20:58	J Holliman	8260B	7017
Bromomethane	ND	ug/l	2	2	1	9/25/99	20:58	J Holliman	8260B	7017
2-Butanone	ND	ug/l	10	10	1	9/25/99	20:58	J Holliman	8260B	7017
n-Butylbenzene	ND	ug/l	2	2	1	9/25/99	20:58	J Holliman	8260B	7017
sec-Butylbenzene	ND	ug/l	2	2	1	9/25/99	20:58	J Holliman	8260B	7017
t-Butylbenzene	ND	ug/l	2	2	1	9/25/99	20:58	J Holliman	8260B	7017
Carbon disulfide	ND	ug/l	2	2	1	9/25/99	20:58	J Holliman	8260B	7017
Carbon tetrachloride	ND	ug/l	2	2	1	9/25/99	20:58	J Holliman	8260B	7017
Chlorobenzene	ND	ug/l	2	2	1	9/25/99	20:58	J Holliman	8260B	7017
Chloroethane	ND	ug/l	2	2	1	9/25/99	20:58	J Holliman	8260B	7017
2-Chloroethylvinylether	ND	ug/l	5	2	1	9/25/99	20:58	J Holliman	8260B	7017
Chloroform	ND	ug/l	2	2	1	9/25/99	20:58	J Holliman	8260B	7017
Chloromethane	ND	ug/l	2	2	1	9/25/99	20:58	J Holliman	8260B	7017
2-Chlorotoluene	ND	ug/l	2	2	1	9/25/99	20:58	J Holliman	8260B	7017
4-Chlorotoluene	ND	ug/l	2	2	1	9/25/99	20:58	J Holliman	8260B	7017
1,2-Dibromo-3-chloropropane	ND	ug/l	10	10	1	9/25/99	20:58	J Holliman	8260B	7017
Dibromochloromethane	ND	ug/l	2	2	1	9/25/99	20:58	J Holliman	8260B	7017
1,2-Dibromoethane	ND	ug/l	2	2	1	9/25/99	20:58	J Holliman	8260B	7017
Dibromomethane	ND	ug/l	2	2	1	9/25/99	20:58	J Holliman	8260B	7017
1,2-Dichlorobenzene	ND	ug/l	2	2	1	9/25/99	20:58	J Holliman	8260B	7017
1,3-Dichlorobenzene	ND	ug/l	2	2	1	9/25/99	20:58	J Holliman	8260B	7017
1,4-Dichlorobenzene	ND	ug/l	2	2	1	9/25/99	20:58	J Holliman	8260B	7017
Dichlorodifluoromethane	ND	ug/l	2	2	1	9/25/99	20:58	J Holliman	8260B	7017
1,1-Dichloroethane	23.7	ug/l	2	2	1	9/25/99	20:58	J Holliman	8260B	7017
1,2-Dichloroethane	ND	ug/l	2	2	1	9/25/99	20:58	J Holliman	8260B	7017
1,1-Dichloroethene	39.9	ug/l	2	2	1	9/25/99	20:58	J Holliman	8260B	7017
cis-1,2-Dichloroethene	ND	ug/l	2	2	1	9/25/99	20:58	J Holliman	8260B	7017
trans-1,2-Dichloroethene	ND	ug/l	2	2	1	9/25/99	20:58	J Holliman	8260B	7017
1,2-Dichloropropane	ND	ug/l	2	2	1	9/25/99	20:58	J Holliman	8260B	7017
1,3-Dichloropropane	ND	ug/l	2	2	1	9/25/99	20:58	J Holliman	8260B	7017
2,2-Dichloropropane	ND	ug/l	2	2	1	9/25/99	20:58	J Holliman	8260B	7017
1,1-Dichloropropene	ND	ug/l	2	2	1	9/25/99	20:58	J Holliman	8260B	7017
cis-1,3-Dichloropropene	ND	ug/l	2	2	1	9/25/99	20:58	J Holliman	8260B	7017

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ANALYTICAL REPORT

Laboratory Number: 99-A143171
Sample ID: MW #5

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
trans-1,3-Dichloropropene	ND	ug/l	2	2	1	9/25/99	20:58	J Holliman	8260B	7017
Ethylbenzene	ND	ug/l	2	2	1	9/25/99	20:58	J Holliman	8260B	7017
Hexachlorobutadiene	ND	ug/l	2	2	1	9/25/99	20:58	J Holliman	8260B	7017
2-Hexanone	ND	ug/l	10	10	1	9/25/99	20:58	J Holliman	8260B	7017
Isopropylbenzene	ND	ug/l	2	2	1	9/25/99	20:58	J Holliman	8260B	7017
4-Isopropyltoluene	ND	ug/l	2	2	1	9/25/99	20:58	J Holliman	8260B	7017
4-Methyl-2-pentanone	ND	ug/l	10	10	1	9/25/99	20:58	J Holliman	8260B	7017
Methylene chloride	ND	ug/l	10	10	1	9/25/99	20:58	J Holliman	8260B	7017
Naphthalene	ND	ug/l	2	2	1	9/25/99	20:58	J Holliman	8260B	7017
n-Propylbenzene	ND	ug/l	2	2	1	9/25/99	20:58	J Holliman	8260B	7017
Styrene	ND	ug/l	2	2	1	9/25/99	20:58	J Holliman	8260B	7017
1,1,1,2-Tetrachloroethane	ND	ug/l	2	2	1	9/25/99	20:58	J Holliman	8260B	7017
1,1,2,2-Tetrachloroethane	ND	ug/l	2	2	1	9/25/99	20:58	J Holliman	8260B	7017
Tetrachloroethene	ND	ug/l	2	2	1	9/25/99	20:58	J Holliman	8260B	7017
Toluene	ND	ug/l	2	2	1	9/25/99	20:58	J Holliman	8260B	7017
1,2,3-Trichlorobenzene	ND	ug/l	2	2	1	9/25/99	20:58	J Holliman	8260B	7017
1,2,4-Trichlorobenzene	ND	ug/l	2	2	1	9/25/99	20:58	J Holliman	8260B	7017
1,1,1-Trichloroethane	11.9	ug/l	2	2	1	9/25/99	20:58	J Holliman	8260B	7017
1,1,2-Trichloroethane	ND	ug/l	2	2	1	9/25/99	20:58	J Holliman	8260B	7017
Trichloroethene	5.9	ug/l	2	2	1	9/25/99	20:58	J Holliman	8260B	7017
1,2,3-Trichloropropane	ND	ug/l	2	2	1	9/25/99	20:58	J Holliman	8260B	7017
1,2,4-Trimethylbenzene	ND	ug/l	2	2	1	9/25/99	20:58	J Holliman	8260B	7017
1,3,5-Trimethylbenzene	ND	ug/l	2	2	1	9/25/99	20:58	J Holliman	8260B	7017
Vinyl chloride	ND	ug/l	2	2	1	9/25/99	20:58	J Holliman	8260B	7017
Xylenes	ND	ug/l	2	2	1	9/25/99	20:58	J Holliman	8260B	7017
Bromodichloromethane	ND	ug/l	2	2	1	9/25/99	20:58	J Holliman	8260B	7017
Trichlorofluoromethane	ND	ug/l	2	2	1	9/25/99	20:58	J Holliman	8260B	7017

ND = Not detected at the report limit.

Surrogate	% Recovery	Target Range
VOA Surr, 1,2-DCA, d4	67.	60. - 138.
VOA Surr, Toluene d8	82.	80. - 123.
VOA Surr, 4-BFB	91.	73. - 122.
VOA Surr, DBFM	81.	74. - 133.

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ANALYTICAL REPORT

DELTA AUTOMOTIVE, INC. 8205
HENRY KENNETT
103 S. ATLANTA AVE
SHEFFIELD, AL 35660

Lab Number: 99-A141454
Sample ID: MW-5
Sample Type: Ground water
Site ID:

Date Collected: 9/15/99
Time Collected: 12:50
Date Received: 9/16/99
Time Received: 9:00

Project:
Project Name: DELTA AUTOMOTIVE
Sampler: HY

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
METALS										
Aluminum, Total	0.4260	mg/l	0.0500	0.0500	1	9/21/99	8:07	R. Kelley	6010B	5678
Arsenic, Total	ND	mg/l	0.0050	0.0050	1	9/21/99	8:07	R. Kelley	6010B	5678
Barium, Total	0.0240	mg/l	0.0100	0.0100	1	9/21/99	8:07	R. Kelley	6010B	5678
Cadmium	ND	mg/l	0.0010	0.0010	1	9/21/99	8:07	R. Kelley	6010B	5678
Chromium, Total	ND	mg/l	0.0050	0.0050	1	9/21/99	8:07	R. Kelley	6010B	5678
Lead	ND	mg/l	0.0030	0.0030	1	9/21/99	8:07	R. Kelley	6010B	5678
Silver, Total	ND	mg/l	0.0050	0.0050	1	9/21/99	8:07	R. Kelley	6010B	5678
Zinc, Total	0.0350	mg/l	0.0200	0.0200	1	9/21/99	8:07	R. Kelley	6010B	5678
MISCELLANEOUS CHEMISTRY										
Phenolics	ND	mg/l	0.050	0.050	1	9/17/99	19:00	CHolliman	9066	4762

ND = Not detected at the report limit.

These results relate only to the items tested.
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Report Approved By: _____ Report Date: 9/28/99

Theodore J. Duello, Ph D., Lab Director
Michael H. Dunn, M.S., Technical Director
Johany A. Mitchell, Dir. Technical Services
Eric Smith, Assistant Technical Director
Gail A Lage, Technical Services

SPECIALIZED ASSAYS, INC.

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ANALYTICAL REPORT

Laboratory Number: 99-A143171
Sample ID: MW #5

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Report Approved By: Michael A Dunn Report Date: 10/ 1/99

Theodore J. Duello, Ph.D., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Services
Eric Smith, Assistant Technical Director
Gail A Lage, Technical Services

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PROJECT QUALITY CONTROL DATA

Matrix Spike Recovery

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch
Benzene	mg/l	< 0.0020	0.0427	0.0500	85	66. - 135.	7017
Chlorobenzene	mg/l	< 0.0020	0.0562	0.0500	112	68. - 134.	7017
1,1-Dichloroethene	mg/l	< 0.0020	0.0380	0.0500	76	59. - 144.	7017
Toluene	mg/l	< 0.0020	0.0384	0.0500	77	55. - 151.	7017
Trichloroethene	mg/l	< 0.0020	0.0549	0.0500	110	54. - 153.	7017

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
Benzene	mg/l	0.0427	0.0441	3.23	18.	7017
Chlorobenzene	mg/l	0.0562	0.0594	5.54	20.	7017
1,1-Dichloroethene	mg/l	0.0380	0.0392	3.11	52.	7017
Toluene	mg/l	0.0384	0.0398	3.58	22.	7017
Trichloroethene	mg/l	0.0549	0.0441	21.82*	18.	7017

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Acetone	mg/l	0.2500	< 0.0100	N/A	70 - 130	7017
Benzene	mg/l	0.0500	0.0482	96	70 - 130	7017
Bromobenzene	mg/l	0.0500	0.0507	101	70 - 130	7017
Bromochloromethane	mg/l	0.0500	0.0507	101	70 - 130	7017
Bromoform	mg/l	0.0500	0.0529	106	70 - 130	7017
Bromomethane	mg/l	0.0500	0.0622	124	70 - 130	7017
2-Butanone	mg/l	0.2500	0.1790	72	70 - 130	7017
n-Butylbenzene	mg/l	0.0500	0.0542	108	70 - 130	7017
sec-Butylbenzene	mg/l	0.0500	0.0581	116	70 - 130	7017
t-Butylbenzene	mg/l	0.0500	0.0560	112	70 - 130	7017
Carbon disulfide	mg/l	0.0500	0.0496	99	70 - 130	7017
Carbon tetrachloride	mg/l	0.05000	0.05120	102	70 - 130	7017
Chlorobenzene	mg/l	0.0500	0.0493	99	70 - 130	7017
Chloroethane	mg/l	0.0500	0.0550	110	70 - 130	7017
2-Chloroethylvinylether	mg/l	0.2500	0.2220	89	70 - 130	7017
Chloroform	mg/l	0.0500	0.0417	83	70 - 130	7017
Chloromethane	mg/l	0.0500	0.0552	110	70 - 130	7017
2-Chlorotoluene	mg/l	0.0500	0.0536	107	70 - 130	7017
4-Chlorotoluene	mg/l	0.0500	0.0546	109	70 - 130	7017
1,2-Dibromo-3-chloropropane	mg/l	0.0500	0.0539	108	70 - 130	7017
Dibromochloromethane	mg/l	0.0500	0.0456	91	70 - 130	7017
1,2-Dibromoethane	mg/l	0.0500	0.0429	86	70 - 130	7017
Dibromomethane	mg/l	0.0500	0.0435	87	70 - 130	7017
1,2-Dichlorobenzene	mg/l	0.0500	0.0580	116	70 - 130	7017
1,3-Dichlorobenzene	mg/l	0.0500	0.0546	109	70 - 130	7017
1,4-Dichlorobenzene	mg/l	0.0500	0.0546	109	70 - 130	7017

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PROJECT QUALITY CONTROL DATA

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Dichlorodifluoromethane	mg/l	0.0500	0.0538	108	70 - 130	7017
1,1-Dichloroethane	mg/l	0.0500	0.0407	81	70 - 130	7017
1,2-Dichloroethane	mg/l	0.0500	0.0401	80	70 - 130	7017
1,1-Dichloroethene	mg/l	0.0500	0.0404	81	70 - 130	7017
cis-1,2-Dichloroethene	mg/l	0.0500	0.0398	80	70 - 130	7017
trans-1,2-Dichloroethene	mg/l	0.0500	0.0390	78	70 - 130	7017
1,2-Dichloropropane	mg/l	0.0500	0.0442	88	70 - 130	7017
1,3-Dichloropropane	mg/l	0.0500	0.0473	95	70 - 130	7017
2,2-Dichloropropane	mg/l	0.0500	< 0.0020	N/A	70 - 130	7017
1,1-Dichloropropene	mg/l	0.0500	0.0452	90	70 - 130	7017
cis-1,3-Dichloropropene	mg/l	0.0500	0.0415	83	70 - 130	7017
trans-1,3-Dichloropropene	mg/l	0.0500	0.0431	86	70 - 130	7017
Ethylbenzene	mg/l	0.0500	0.0514	103	70 - 130	7017
Hexachlorobutadiene	mg/l	0.0500	0.0602	120	70 - 130	7017
2-Hexanone	mg/l	0.2500	0.2220	89	70 - 130	7017
Isopropylbenzene	mg/l	0.0500	0.0547	109	70 - 130	7017
4-Isopropyltoluene	mg/l	0.0500	0.0547	109	70 - 130	7017
4-Methyl-2-pentanone	mg/l	0.2500	0.2240	90	70 - 130	7017
Methylene chloride	mg/l	0.0500	0.0439	88	70 - 130	7017
Naphthalene	mg/l	0.0500	0.0498	100	70 - 130	7017
n-Propylbenzene	mg/l	0.0500	0.0528	106	70 - 130	7017
Styrene	mg/l	0.0500	0.0576	115	70 - 130	7017
1,1,1,2-Tetrachloroethane	mg/l	0.0500	0.0491	98	70 - 130	7017
1,1,2,2-Tetrachloroethane	mg/l	0.0500	0.0356	71	70 - 130	7017
Tetrachloroethene	mg/l	0.0500	0.0477	95	70 - 130	7017
Toluene	mg/l	0.0500	0.0531	106	70 - 130	7017
1,2,3-Trichlorobenzene	mg/l	0.0500	0.0621	124	70 - 130	7017
1,2,4-Trichlorobenzene	mg/l	0.0500	0.0608	122	70 - 130	7017
1,1,1-Trichloroethane	mg/l	0.0500	0.0427	85	70 - 130	7017
1,1,2-Trichloroethane	mg/l	0.0500	0.0452	90	70 - 130	7017
Trichloroethene	mg/l	0.0500	0.0543	109	70 - 130	7017
1,2,3-Trichloropropane	mg/l	0.0500	0.0474	95	70 - 130	7017
1,2,4-Trimethylbenzene	mg/l	0.0500	0.0564	113	70 - 130	7017
1,3,5-Trimethylbenzene	mg/l	0.0500	0.0554	111	70 - 130	7017
Vinyl chloride	mg/l	0.0500	0.0528	106	70 - 130	7017
Xylenes	mg/l	0.1500	0.1622	108	70 - 130	7017
Bromodichloromethane	mg/l	0.0500	0.0439	88	70 - 130	7017
Trichlorofluoromethane	mg/l	0.0500	0.0473	95	70 - 130	7017

Blank Data

Analyte	Blank Value	Units	Q.C. Batch
Acetone	< 0.0100	mg/l	7017
Benzene	< 0.0020	mg/l	7017
Bromobenzene	< 0.0020	mg/l	7017

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PROJECT QUALITY CONTROL DATA

Blank Data

Analyte	Blank Value	Units	A.C. Batch
Bromochloromethane	< 0.0020	mg/l	7017
Bromoform	< 0.0020	mg/l	7017
Bromomethane	< 0.0020	mg/l	7017
2-Butanone	< 0.0100	mg/l	7017
n-Butylbenzene	< 0.0020	mg/l	7017
sec-Butylbenzene	< 0.0020	mg/l	7017
t-Butylbenzene	< 0.0020	mg/l	7017
Carbon disulfide	< 0.0020	mg/l	7017
Carbon tetrachloride	< 0.00200	mg/l	7017
Chlorobenzene	< 0.0020	mg/l	7017
Chloroethane	< 0.0020	mg/l	7017
2-Chloroethylvinylether	< 0.0050	mg/l	7017
Chloroform	< 0.0020	mg/l	7017
Chloromethane	< 0.0020	mg/l	7017
2-Chlorotoluene	< 0.0020	mg/l	7017
4-Chlorotoluene	< 0.0020	mg/l	7017
1,2-Dibromo-3-chloropropane	< 0.0100	mg/l	7017
Dibromochloromethane	< 0.0020	mg/l	7017
1,2-Dibromoethane	< 0.0020	mg/l	7017
Dibromomethane	< 0.0020	mg/l	7017
1,2-Dichlorobenzene	< 0.0020	mg/l	7017
1,3-Dichlorobenzene	< 0.0020	mg/l	7017
1,4-Dichlorobenzene	< 0.0020	mg/l	7017
Dichlorodifluoromethane	< 0.0020	mg/l	7017
1,1-Dichloroethane	< 0.0020	mg/l	7017
1,2-Dichloroethane	< 0.0020	mg/l	7017
1,1-Dichloroethene	< 0.0020	mg/l	7017
cis-1,2-Dichloroethene	< 0.0020	mg/l	7017
trans-1,2-Dichloroethene	< 0.0020	mg/l	7017
1,2-Dichloropropane	< 0.0020	mg/l	7017
1,3-Dichloropropane	< 0.0020	mg/l	7017
2,2-Dichloropropane	< 0.0020	mg/l	7017
1,1-Dichloropropene	< 0.0020	mg/l	7017
cis-1,3-Dichloropropene	< 0.0020	mg/l	7017
trans-1,3-Dichloropropene	< 0.0020	mg/l	7017
Ethylbenzene	< 0.0020	mg/l	7017
Hexachlorobutadiene	< 0.0020	mg/l	7017
2-Hexanone	< 0.0100	mg/l	7017
Isopropylbenzene	< 0.0020	mg/l	7017
4-Isopropyltoluene	< 0.0020	mg/l	7017
4-Methyl-2-pentanone	< 0.0100	mg/l	7017
Methylene chloride	< 0.0020	mg/l	7017
Naphthalene	< 0.0020	mg/l	7017
n-Propylbenzene	< 0.0020	mg/l	7017
Styrene	< 0.0020	mg/l	7017
1,1,1,2-Tetrachloroethane	< 0.0020	mg/l	7017

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Phone 1-615-726-0177

PROJECT QUALITY CONTROL DATA

Blank Data

Analyte	Blank Value	Units	R.C. Batch
1,1,2,2-Tetrachloroethane	< 0.0020	mg/l	7017
Tetrachloroethene	< 0.0020	mg/l	7017
Toluene	< 0.0020	mg/l	7017
1,2,3-Trichlorobenzene	< 0.0020	mg/l	7017
1,2,4-Trichlorobenzene	< 0.0020	mg/l	7017
1,1,1-Trichloroethane	< 0.0020	mg/l	7017
1,1,2-Trichloroethane	< 0.0020	mg/l	7017
Trichloroethene	< 0.0020	mg/l	7017
1,2,3-Trichloropropane	< 0.0020	mg/l	7017
1,2,4-Trimethylbenzene	< 0.0020	mg/l	7017
1,3,5-Trimethylbenzene	< 0.0020	mg/l	7017
Vinyl chloride	< 0.0020	mg/l	7017
Xylenes	< 0.0020	mg/l	7017
Bromodichloromethane	< 0.0020	mg/l	7017
Trichlorofluoromethane	< 0.0020	mg/l	7017

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ANALYTICAL REPORT

DELTA AUTOMOTIVE, INC. 8208
HENRY KENNETT
103 S. ATLANTA AVE
SHEFFIELD, AL 35660

Lab Number: 99-A141447
Sample ID: MW-10
Sample Type: Ground water
Site ID:

Date Collected: 9/15/99
Time Collected: 11:55
Date Received: 9/16/99
Time Received: 9:00

Project:
Project Name: DELTA AUTOMOTIVE
Sampler: HY

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
VOLATILE ORGANICS										
Acetone	ND	ug/l	10	10	1	9/27/99	16:52	J Hollinan	8260B	5999
Benzene	ND	ug/l	2	2	1	9/27/99	16:52	J Hollinan	8260B	5999
n-Butylbenzene	ND	ug/l	2	2	1	9/27/99	16:52	J Hollinan	8260B	5999
t-Butylbenzene	ND	ug/l	2	2	1	9/27/99	16:52	J Hollinan	8260B	5999
Carbon tetrachloride	ND	ug/l	2	2	1	9/27/99	16:52	J Hollinan	8260B	5999
Chloroethane	ND	ug/l	2	2	1	9/27/99	16:52	J Hollinan	8260B	5999
Chloroform	ND	ug/l	2	2	1	9/27/99	16:52	J Hollinan	8260B	5999
1,1-Dichloroethane	ND	ug/l	2	2	1	9/27/99	16:52	J Hollinan	8260B	5999
1,2-Dichloroethane	ND	ug/l	2	2	1	9/27/99	16:52	J Hollinan	8260B	5999
1,1-Dichloroethene	ND	ug/l	2	2	1	9/27/99	16:52	J Hollinan	8260B	5999
cis-1,3-Dichloropropene	ND	ug/l	2	2	1	9/27/99	16:52	J Hollinan	8260B	5999
Ethylbenzene	ND	ug/l	2	2	1	9/27/99	16:52	J Hollinan	8260B	5999
Isopropylbenzene	ND	ug/l	2	2	1	9/27/99	16:52	J Hollinan	8260B	5999
p-Propylbenzene	ND	ug/l	2	2	1	9/27/99	16:52	J Hollinan	8260B	5999
1,1,1-Trichloroethane	ND	ug/l	2	2	1	9/27/99	16:52	J Hollinan	8260B	5999
1,1,2-Trichloroethane	ND	ug/l	2	2	1	9/27/99	16:52	J Hollinan	8260B	5999
Trichloroethene	ND	ug/l	2	2	1	9/27/99	16:52	J Hollinan	8260B	5999
1,2,4-Trimethylbenzene	ND	ug/l	2	2	1	9/27/99	16:52	J Hollinan	8260B	5999
Vinyl chloride	ND	ug/l	2	2	1	9/27/99	16:52	J Hollinan	8260B	5999
Xylenes	ND	ug/l	2	2	1	9/27/99	16:52	J Hollinan	8260B	5999
Dibromodichloromethane	ND	ug/l	2	2	1	9/27/99	16:52	J Hollinan	8260B	5999
METALS										
Aluminum, Total	0.1870	mg/l	0.0500	0.0500	1	9/21/99	8:07	R. Kelley	6010B	5678
Arsenic, Total	ND	mg/l	0.0050	0.0050	1	9/21/99	8:07	R. Kelley	6010B	5678
Barium, Total	0.0470	mg/l	0.0100	0.0100	1	9/21/99	8:07	R. Kelley	6010B	5678
Cadmium	ND	mg/l	0.0010	0.0010	1	9/21/99	8:07	R. Kelley	6010B	5678
Chromium, Total	ND	mg/l	0.0050	0.0050	1	9/21/99	8:07	R. Kelley	6010B	5678
Lead	ND	mg/l	0.0030	0.0030	1	9/21/99	8:07	R. Kelley	6010B	5678
Silver, Total	ND	mg/l	0.0050	0.0050	1	9/21/99	8:07	R. Kelley	6010B	5678
Zinc, Total	ND	mg/l	0.0200	0.0200	1	9/21/99	8:07	R. Kelley	6010B	5678
MISCELLANEOUS CHEMISTRY										
Phenolics	ND	mg/l	0.050	0.050	1	9/17/99	19:00	CHollingsw	9066	4782

ND = Not detected at the report limit.

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ANALYTICAL REPORT

Laboratory Number: 99-A141447
Sample ID: MW-10

Surrogate	% Recovery	Target Range
VOA Surr, 1,2-DCA, d4	95.	60. - 138.
VOA Surr, Toluene d8	99.	80. - 128.
VOA Surr, 4-BFB	94.	73. - 122.
VOA Surr, DBFM	113.	74 - 133.

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Report Approved By: _____ Report Date: 9/28/99

Theodore J. Duello, Ph.D., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Services
Eric Smith, Assistant Technical Director
Gail A Lage, Technical Services

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ANALYTICAL REPORT

DELTA AUTOMOTIVE, INC. 8208
HENRY KENNETT
103 S. ATLANTA AVE
SHEFFIELD, AL 35660

Lab Number: 99-A141446
Sample ID: MW-7
Sample Type: Ground water
Site ID:

Project:
Project Name: DELTA AUTOMOTIVE
Sampler: HY

Date Collected: 9/15/99
Time Collected: 12:05
Date Received: 9/16/99
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
VOLATILE ORGANICS										
Acetone	ND	ug/l	10	10	1	9/27/99	17:32	J Hollinan	8260B	5999
Benzene	ND	ug/l	2	2	1	9/27/99	17:32	J Hollinan	8260B	5999
n-Butylbenzene	ND	ug/l	2	2	1	9/27/99	17:32	J Hollinan	8260B	5999
t-Butylbenzene	ND	ug/l	2	2	1	9/27/99	17:32	J Hollinan	8260B	5999
Carbon tetrachloride	ND	ug/l	2	2	1	9/27/99	17:32	J Hollinan	8260B	5999
Chloroethane	ND	ug/l	2	2	1	9/27/99	17:32	J Hollinan	8260B	5999
Chloroform	ND	ug/l	2	2	1	9/27/99	17:32	J Hollinan	8260B	5999
1,1-Dichloroethane	ND	ug/l	2	2	1	9/27/99	17:32	J Hollinan	8260B	5999
1,2-Dichloroethane	ND	ug/l	2	2	1	9/27/99	17:32	J Hollinan	8260B	5999
1,1-Dichloroethene	ND	ug/l	2	2	1	9/27/99	17:32	J Hollinan	8260B	5999
cis-1,3-Dichloropropene	ND	ug/l	2	2	1	9/27/99	17:32	J Hollinan	8260B	5999
Ethylbenzene	ND	ug/l	2	2	1	9/27/99	17:32	J Hollinan	8260B	5999
Isopropylbenzene	ND	ug/l	2	2	1	9/27/99	17:32	J Hollinan	8260B	5999
n-Propylbenzene	ND	ug/l	2	2	1	9/27/99	17:32	J Hollinan	8260B	5999
1,1,1-Trichloroethane	ND	ug/l	2	2	1	9/27/99	17:32	J Hollinan	8260B	5999
1,1,2-Trichloroethane	ND	ug/l	2	2	1	9/27/99	17:32	J Hollinan	8260B	5999
Trichloroethene	ND	ug/l	2	2	1	9/27/99	17:32	J Hollinan	8260B	5999
1,2,4-Trimethylbenzene	ND	ug/l	2	2	1	9/27/99	17:32	J Hollinan	8260B	5999
Vinyl chloride	ND	ug/l	2	2	1	9/27/99	17:32	J Hollinan	8260B	5999
Xylenes	ND	ug/l	2	2	1	9/27/99	17:32	J Hollinan	8260B	5999
Dromodichloromethane	ND	ug/l	2	2	1	9/27/99	17:32	J Hollinan	8260B	5999
METALS										
Aluminum, Total	0.3300	mg/l	0.0500	0.0500	1	9/21/99	8:07	R. Kelley	6010B	5670
Arsenic, Total	ND	mg/l	0.0050	0.0050	1	9/21/99	8:07	R. Kelley	6010B	5678
Barium, Total	0.0260	mg/l	0.0100	0.0100	1	9/21/99	8:07	R. Kelley	6010B	5670
Cadmium	ND	mg/l	0.0010	0.0010	1	9/21/99	8:07	R. Kelley	6010B	5678
Chromium, Total	ND	mg/l	0.0050	0.0050	1	9/21/99	8:07	R. Kelley	6010B	5678
Lead	ND	mg/l	0.0030	0.0030	1	9/21/99	8:07	R. Kelley	6010B	5678
Silver, Total	ND	mg/l	0.0050	0.0050	1	9/21/99	8:07	R. Kelley	6010B	5678
Zinc, Total	ND	mg/l	0.0200	0.0200	1	9/21/99	8:07	R. Kelley	6010B	5678
MISCELLANEOUS CHEMISTRY										
Phenolics	ND	mg/l	0.050	0.050	1	9/17/99	19:00	CHollagan	9066	4762

ND = Not detected at the report limit.

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ANALYTICAL REPORT

Laboratory Number: 99-A141448
Sample ID: MW-7

Surrogate	% Recovery	Target Range
VOA Surr, 1,2-DCA, d4	98.	60. - 138.
VOA Surr, Toluene d8	96.	80. - 129.
VOA Surr, 4-BFB	96.	73. - 122.
VOA Surr, DDFM	113.	74. - 133.

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Report Approved By: _____ Report Date: 9/28/99

Theodore J. Duello, Ph.D., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Services
Eric Smith, Assistant Technical Director
Gail A Lage, Technical Services

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ANALYTICAL REPORT

DELTA AUTOMOTIVE, INC. B208
HENRY KENNETT
103 S. ATLANTA AVE
SHEFFIELD, AL 35660

Lab Number: 99-A141449
Sample ID: MW-13
Sample Type: Ground water
Site ID:

Date Collected: 9/15/99
Time Collected: 12:15
Date Received: 9/16/99
Time Received: 9:00

Project:
Project Name: DELTA AUTOMOTIVE
Sampler: HY

Analyte	Result	Units	Report Limit	Mdl Limit	Dil Factor	Date	Time	Analyst	Method	Batch
VOLATILE ORGANICS										
Acetone	ND	ug/l	10	10	1	9/27/99	18:13	J Hollinan	8260B	5999
Benzene	ND	ug/l	2	2	1	9/27/99	18:13	J Hollinan	8260B	5999
n-Butylbenzene	ND	ug/l	2	2	1	9/27/99	18:13	J Hollinan	8260B	5999
t-Butylbenzene	ND	ug/l	2	2	1	9/27/99	18:13	J Hollinan	8260B	5999
Carbon tetrachloride	ND	ug/l	2	2	1	9/27/99	18:13	J Hollinan	8260B	5999
Chloroethane	ND	ug/l	2	2	1	9/27/99	18:13	J Hollinan	8260B	5999
Chloroform	ND	ug/l	2	2	1	9/27/99	18:13	J Hollinan	8260B	5999
1,1-Dichloroethane	ND	ug/l	2	2	1	9/27/99	18:13	J Hollinan	8260B	5999
1,2-Dichloroethane	ND	ug/l	2	2	1	9/27/99	18:13	J Hollinan	8260B	5999
1,1-Dichloroethene	ND	ug/l	2	2	1	9/27/99	18:13	J Hollinan	8260B	5999
cis-1,3-Dichloropropene	ND	ug/l	2	2	1	9/27/99	18:13	J Hollinan	8260B	5999
Ethylbenzene	ND	ug/l	2	2	1	9/27/99	18:13	J Hollinan	8260B	5999
Isopropylbenzene	ND	ug/l	2	2	1	9/27/99	18:13	J Hollinan	8260B	5999
n-Propylbenzene	ND	ug/l	2	2	1	9/27/99	18:13	J Hollinan	8260B	5999
1,1,1-Trichloroethane	ND	ug/l	2	2	1	9/27/99	18:13	J Hollinan	8260B	5999
1,1,2-Trichloroethane	ND	ug/l	2	2	1	9/27/99	18:13	J Hollinan	8260B	5999
Trichloroethene	ND	ug/l	2	2	1	9/27/99	18:13	J Hollinan	8260B	5999
1,2,4-Trimethylbenzene	ND	ug/l	2	2	1	9/27/99	18:13	J Hollinan	8260B	5999
Vinyl chloride	ND	ug/l	2	2	1	9/27/99	18:13	J Hollinan	8260B	5999
Xylenes	ND	ug/l	2	2	1	9/27/99	18:13	J Hollinan	8260B	5999
Bromodichloromethane	ND	ug/l	2	2	1	9/27/99	18:13	J Hollinan	8260B	5999
METALS										
Aluminum, Total	ND	mg/l	0.0500	0.0200	1	9/21/99	8:07	R. Kelley	6010B	5678
Arsenic, Total	ND	mg/l	0.0050	0.0050	1	9/21/99	8:07	R. Kelley	6010B	5678
Barium, Total	0.0538	mg/l	0.0100	0.0100	1	9/21/99	8:07	R. Kelley	6010B	5678
Cadmium	ND	mg/l	0.0010	0.0010	1	9/21/99	8:07	R. Kelley	6010B	5678
Chromium, Total	ND	mg/l	0.0050	0.0050	1	9/21/99	8:07	R. Kelley	6010B	5678
Lead	ND	mg/l	0.0030	0.0030	1	9/21/99	8:07	R. Kelley	6010B	5678
Silver, Total	ND	mg/l	0.0050	0.0050	1	9/21/99	8:07	R. Kelley	6010B	5678
Zinc, Total	ND	mg/l	0.0200	0.0200	1	9/21/99	8:07	R. Kelley	6010B	5678
MISCELLANEOUS CHEMISTRY										
Phenolics	ND	ug/l	0.050	0.050	1	9/17/99	17:00	CHollingsw	9066	4762

ND = Not detected at the report limit.

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ANALYTICAL REPORT

Laboratory Number: 99-A141449
Sample ID: MW-13

Surrogate	% Recovery	Target Range
VOA Surr, 1,2-DCA, d4	100.	40. - 138.
VOA Surr, Toluene d8	94.	88. - 123.
VOA Surr, 4-BFB	95.	73. - 122.
VOA Surr, DOFM	113.	74. - 133.

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Report Approved By: _____ Report Date: 9/28/99

Theodore J. Ouello, Ph.D., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Services
Eric Smith, Assistant Technical Director
Gail A Lage, Technical Services

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ANALYTICAL REPORT

DELTA AUTOMOTIVE, INC 8208
HENRY KENNETT
103 S. ATLANTA AVE
SHEFFIELD, AL 35660

Lab Number: 99-A141450
Sample ID: MW-14
Sample Type: Ground water
Site ID:

Project:
Project Name: DELTA AUTOMOTIVE
Sampler: HY

Date Collected: 9/15/99
Time Collected: 11:40
Date Received: 9/16/99
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
VOLATILE ORGANICS										
Acetone	ND	ug/l	10	10	1	9/27/99	18:53	J Hollinan	8260B	5999
Benzene	ND	ug/l	2	2	1	9/27/99	18:53	J Hollinan	8260B	5999
n-Butylbenzene	ND	ug/l	2	2	1	9/27/99	18:53	J Hollinan	8260B	5999
t-Butylbenzene	ND	ug/l	2	2	1	9/27/99	18:53	J Hollinan	8260B	5999
Carbon tetrachloride	ND	ug/l	2	2	1	9/27/99	18:53	J Hollinan	8260B	5999
Chloroethane	ND	ug/l	2	2	1	9/27/99	18:53	J Hollinan	8260B	5999
Chloroform	ND	ug/l	2	2	1	9/27/99	18:53	J Hollinan	8260B	5999
1,1-Dichloroethane	ND	ug/l	2	2	1	9/27/99	18:53	J Hollinan	8260B	5999
1,2-Dichloroethane	ND	ug/l	2	2	1	9/27/99	18:53	J Hollinan	8260B	5999
1,1-Dichloroethene	ND	ug/l	2	2	1	9/27/99	18:53	J Hollinan	8260B	5999
cis-1,3-Dichloropropene	ND	ug/l	2	2	1	9/27/99	18:53	J Hollinan	8260B	5999
Ethylbenzene	ND	ug/l	2	2	1	9/27/99	18:53	J Hollinan	8260B	5999
Isopropylbenzene	ND	ug/l	2	2	1	9/27/99	18:53	J Hollinan	8260B	5999
n-Propylbenzene	ND	ug/l	2	2	1	9/27/99	18:53	J Hollinan	8260B	5999
1,1,1-Trichloroethane	ND	ug/l	2	2	1	9/27/99	18:53	J Hollinan	8260B	5999
1,1,2-Trichloroethane	ND	ug/l	2	2	1	9/27/99	18:53	J Hollinan	8260B	5999
Trichloroethene	ND	ug/l	2	2	1	9/27/99	18:53	J Hollinan	8260B	5999
1,2,4-Trimethylbenzene	ND	ug/l	2	2	1	9/27/99	18:53	J Hollinan	8260B	5999
Vinyl chloride	ND	ug/l	2	2	1	9/27/99	18:53	J Hollinan	8260B	5999
Xylenes	ND	ug/l	2	2	1	9/27/99	18:53	J Hollinan	8260B	5999
Bromodichloromethane	ND	ug/l	2	2	1	9/27/99	18:53	J Hollinan	8260B	5999
METALS										
Aluminum, Total	0.7010	mg/l	0.0500	0.0500	1	9/21/99	8:07	R. Kelley	6010B	5678
Arsenic, Total	ND	mg/l	0.0050	0.0050	1	9/21/99	8:07	R. Kelley	6010B	5678
Barium, Total	0.0730	mg/l	0.0100	0.0100	1	9/21/99	8:07	R. Kelley	6010B	5678
Cadmium	ND	mg/l	0.0010	0.0010	1	9/21/99	8:07	R. Kelley	6010B	5678
Chromium, Total	ND	mg/l	0.0050	0.0050	1	9/21/99	8:07	R. Kelley	6010B	5678
Lead	ND	mg/l	0.0030	0.0030	1	9/21/99	8:07	R. Kelley	6010B	5678
Silver, Total	ND	mg/l	0.0050	0.0050	1	9/21/99	8:07	R. Kelley	6010B	5678
Zinc, Total	ND	mg/l	0.0200	0.0200	1	9/21/99	8:07	R. Kelley	6010B	5678
MISCELLANEOUS CHEMISTRY										
Phenolics	ND	mg/l	0.050	0.050	1	9/17/99	19:00	CHollingsw	9066	8762

ND = Not detected at the report limit.

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
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ANALYTICAL REPORT

Laboratory Number: 99-A141450
Sample ID: MW-14

Surrogate	% Recovery	Target Range
VOA Surr, 1,2-DCA, d4	101.	60. - 138.
VOA Surr, Toluene d8	90.	80 - 123.
VOA Surr, 4-BFB	97.	73. - 122.
VOA Surr, DBFM	109.	74. - 138.

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Report Approved by: T.J. Duello Report Date: 9/28/99

Theodore J. Duello, Ph.D., Lab Director
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Johnny A. Mitchell, Dir. Technical Services
Eric Smith, Assistant Technical Director
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ANALYTICAL REPORT

DELTA AUTOMOTIVE, INC. 8208
HENRY KENNETT
103 S. ATLANTA AVE
SHEFFIELD, AL 35660

Lab Number: 99-A141451
Sample ID: MW-15
Sample Type: Ground water
Site ID:

Project:
Project Name: DELTA AUTOMOTIVE
Sampler: HY

Date Collected: 9/15/99
Time Collected: 11:15
Date Received: 9/16/99
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
VOLATILE ORGANICS*										
Acetone	ND	ug/l	10	10	1	9/27/99	19:33	J Hollinan	8260B	5999
Benzene	ND	ug/l	2	2	1	9/27/99	19:33	J Hollinan	8260B	5999
n-Butylbenzene	ND	ug/l	2	2	1	9/27/99	19:33	J Hollinan	8260B	5999
t-Butylbenzene	ND	ug/l	2	2	1	9/27/99	19:33	J Hollinan	8260B	5999
Carbon tetrachloride	ND	ug/l	2	2	1	9/27/99	19:33	J Hollinan	8260B	5999
Chloroethane	ND	ug/l	2	2	1	9/27/99	19:33	J Hollinan	8260B	5999
Chloroform	ND	ug/l	2	2	1	9/27/99	19:33	J Hollinan	8260B	5999
1,1-Dichloroethane	ND	ug/l	2	2	1	9/27/99	19:33	J Hollinan	8260B	5999
1,2-Dichloroethane	ND	ug/l	2	2	1	9/27/99	19:33	J Hollinan	8260B	5999
1,1-Dichloroethene	ND	ug/l	2	2	1	9/27/99	19:33	J Hollinan	8260B	5999
cis-1,3-Dichloropropene	ND	ug/l	2	2	1	9/27/99	19:33	J Hollinan	8260B	5999
Ethylbenzene	ND	ug/l	2	2	1	9/27/99	19:33	J Hollinan	8260B	5999
Isopropylbenzene	ND	ug/l	2	2	1	9/27/99	19:33	J Hollinan	8260B	5999
n-Propylbenzene	ND	ug/l	2	2	1	9/27/99	19:33	J Hollinan	8260B	5999
1,1,1-Trichloroethane	ND	ug/l	2	2	1	9/27/99	19:33	J Hollinan	8260B	5999
1,1,2-Trichloroethane	ND	ug/l	2	2	1	9/27/99	19:33	J Hollinan	8260B	5999
Trichloroethene	ND	ug/l	2	2	1	9/27/99	19:33	J Hollinan	8260B	5999
1,2,4-Trimethylbenzene	ND	ug/l	2	2	1	9/27/99	19:33	J Hollinan	8260B	5999
Vinyl chloride	ND	ug/l	2	2	1	9/27/99	19:33	J Hollinan	8260B	5999
Xylenes	ND	ug/l	2	2	1	9/27/99	19:33	J Hollinan	8260B	5999
Dichlorodifluoromethane	ND	ug/l	2	2	1	9/27/99	19:33	J Hollinan	8260B	5999
METALS*										
Aluminum, Total	0.2050	mg/l	0.0500	0.0500	1	9/21/99	8:07	K. Kelley	6010B	5678
Arsenic, Total	ND	mg/l	0.0050	0.0050	1	9/21/99	8:07	K. Kelley	6010B	5678
Barium, Total	0.0240	mg/l	0.0100	0.0100	1	9/21/99	8:07	K. Kelley	6010B	5678
Cadmium	ND	mg/l	0.0010	0.0010	1	9/21/99	8:07	K. Kelley	6010B	5678
Chromium, Total	ND	mg/l	0.0050	0.0050	1	9/21/99	8:07	K. Kelley	6010B	5678
Lead	ND	mg/l	0.0030	0.0030	1	9/21/99	8:07	K. Kelley	6010B	5678
Silver, Total	ND	mg/l	0.0050	0.0050	1	9/21/99	8:07	K. Kelley	6010B	5678
Zinc, Total	ND	mg/l	0.0200	0.0200	1	9/21/99	8:07	K. Kelley	6010B	5678
MISCELLANEOUS CHEMISTRY*										
Phenolics	ND	mg/l	0.050	0.050	1	9/17/99	19:00	Chollingsw	9066	4762

ND = Not detected at the report limit.

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2960 Foster Creighton Dr.
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ANALYTICAL REPORT

Laboratory Number: 99-A141451
Sample ID: MW-15

Surrogate	% Recovery	Target Range
VOA Surr, 1,2-DCA, d4	100.	60. - 138.
VOA Surr, Toluene d8	92.	80. - 123.
VOA Surr, 4-BFB	96.	73. - 122.
VOA Surr, DBFM	103.	74. - 133.

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Report Approved By: _____ Report Date: 9/28/99

Theodore J. Duello, Ph.D., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Services
Eric Smith, Assistant Technical Director
Gail A Lage, Technical Services

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Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

DELTA AUTOMOTIVE, INC. 8208
HENRY KENNETT
103 S. ATLANTA AVE
SHEFFIELD, AL 35660

Lab Number: 99-A141452
Sample ID: MW-12
Sample Type: Ground water
Site ID:

Date Collected: 9/15/99
Time Collected: 12:25
Date Received: 9/16/99
Time Received: 9:00

Project:
Project Name: DELTA AUTOMOTIVE
Sampler: HY

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
VOLATILE ORGANICS										
Acetone	ND	ug/l	10	10	1	9/27/99	20:13	J Holliman	8260B	5999
Benzene	ND	ug/l	2	2	1	9/27/99	20:13	J Holliman	8260B	5999
n-Butylbenzene	ND	ug/l	2	2	1	9/27/99	20:13	J Holliman	8260B	5999
t-Butylbenzene	ND	ug/l	2	2	1	9/27/99	20:13	J Holliman	8260B	5999
Carbon tetrachloride	ND	ug/l	2	2	1	9/27/99	20:13	J Holliman	8260B	5999
Chloroethane	ND	ug/l	2	2	1	9/27/99	20:13	J Holliman	8260B	5999
Chloroform	ND	ug/l	2	2	1	9/27/99	20:13	J Holliman	8260B	5999
1,1-Dichloroethane	ND	ug/l	2	2	1	9/27/99	20:13	J Holliman	8260B	5999
1,2-Dichloroethane	ND	ug/l	2	2	1	9/27/99	20:13	J Holliman	8260B	5999
1,1-Dichloroethene	ND	ug/l	2	2	1	9/27/99	20:13	J Holliman	8260B	5999
cis-1,3-Dichloropropene	ND	ug/l	2	2	1	9/27/99	20:13	J Holliman	8260B	5999
Ethylbenzene	ND	ug/l	2	2	1	9/27/99	20:13	J Holliman	8260B	5999
Isopropylbenzene	ND	ug/l	2	2	1	9/27/99	20:13	J Holliman	8260B	5999
n-Propylbenzene	ND	ug/l	2	2	1	9/27/99	20:13	J Holliman	8260B	5999
1,1,1-Trichloroethane	ND	ug/l	2	2	1	9/27/99	20:13	J Holliman	8260B	5999
1,1,2-Trichloroethane	ND	ug/l	2	2	1	9/27/99	20:13	J Holliman	8260B	5999
Trichloroethene	ND	ug/l	2	2	1	9/27/99	20:13	J Holliman	8260B	5999
1,2,4-Trimethylbenzene	ND	ug/l	2	2	1	9/27/99	20:13	J Holliman	8260B	5999
Vinyl chloride	ND	ug/l	2	2	1	9/27/99	20:13	J Holliman	8260B	5999
Xylenes	ND	ug/l	2	2	1	9/27/99	20:13	J Holliman	8260B	5999
Bromodichloromethane	ND	ug/l	2	2	1	9/27/99	20:13	J Holliman	8260B	5999
METALS										
Aluminum, Total	0.3400	mg/l	0.0500	0.0500	1	9/21/99	8:07	R. Kelley	6010B	5678
Arsenic, Total	ND	mg/l	0.0050	0.0050	1	9/21/99	8:07	R. Kelley	6010B	5678
Barium, Total	0.0470	mg/l	0.0100	0.0100	1	9/21/99	8:07	R. Kelley	6010B	5678
Cadmium	ND	mg/l	0.0010	0.0010	1	9/21/99	8:07	R. Kelley	6010B	5678
Chromium, Total	0.0060	mg/l	0.0050	0.0050	1	9/21/99	8:07	R. Kelley	6010B	5678
Lead	0.0100	mg/l	0.0030	0.0030	1	9/21/99	8:07	R. Kelley	6010B	5678
Silver, Total	ND	mg/l	0.0050	0.0050	1	9/21/99	8:07	R. Kelley	6010B	5678
Zinc, Total	0.1070	mg/l	0.0200	0.0200	1	9/21/99	8:07	R. Kelley	6010B	5678
MISCELLANEOUS CHEMISTRY										
Phenolics	ND	mg/l	0.050	0.050	1	9/17/99	19:00	CHollingsw	9066	4762

ND = Not detected at the report limit.

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ANALYTICAL REPORT

Laboratory Number: 99-A141452
Sample ID: MW-12

Surrogate	% Recovery	Target Range
VOA Surr, 1,2-DCA, d4	101.	60. - 130.
VOA Surr, Toluene d8	97.	80. - 123.
VOA Surr, 4-BFB	94.	73. - 122.
VOA Surr, DCFM	100.	74. - 133.

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Report Approved By: _____ Report Date: 9/28/99

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Eric Smith, Assistant Technical Director
Gail A Lage, Technical Services

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Phone 1-615-726-0177

ANALYTICAL REPORT

DELTA AUTOMOTIVE, INC 8208
HENRY KENNETT
103 S. ATLANTA AVE
SHEFFIELD, AL 35660

Lab Number: 99-A141453
Sample ID: MW-9
Sample Type: Ground water
Site ID:

Project:
Project Name: DELTA AUTOMOTIVE
Sampler: HY

Date Collected: 9/15/99
Time Collected: 12:35
Date Received: 9/16/99
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
VOLATILE ORGANICS										
Acetone	ND	ug/l	10	10	1	9/27/99	20:53	J Hollinan	8260B	5999
Benzene	ND	ug/l	2	2	1	9/27/99	20:53	J Hollinan	8260B	5999
n-Butylbenzene	ND	ug/l	2	2	1	9/27/99	20:53	J Hollinan	8260B	5999
t-Butylbenzene	ND	ug/l	2	2	1	9/27/99	20:53	J Hollinan	8260B	5999
Carbon tetrachloride	ND	ug/l	2	2	1	9/27/99	20:53	J Hollinan	8260B	5999
Chloroethane	ND	ug/l	2	2	1	9/27/99	20:53	J Hollinan	8260B	5999
Chloroform	ND	ug/l	2	2	1	9/27/99	20:53	J Hollinan	8260B	5999
1,1-Dichloroethane	ND	ug/l	2	2	1	9/27/99	20:53	J Hollinan	8260B	5999
1,2-Dichloroethane	ND	ug/l	2	2	1	9/27/99	20:53	J Hollinan	8260B	5999
1,1-Dichloroethene	ND	ug/l	2	2	1	9/27/99	20:53	J Hollinan	8260B	5999
cis-1,3-Dichloropropene	ND	ug/l	2	2	1	9/27/99	20:53	J Hollinan	8260B	5999
Ethylbenzene	ND	ug/l	2	2	1	9/27/99	20:53	J Hollinan	8260B	5999
Isopropylbenzene	ND	ug/l	2	2	1	9/27/99	20:53	J Hollinan	8260B	5999
n-Propylbenzene	ND	ug/l	2	2	1	9/27/99	20:53	J Hollinan	8260B	5999
1,1,1-Trichloroethane	ND	ug/l	2	2	1	9/27/99	20:53	J Hollinan	8260B	5999
1,1,2-Trichloroethane	ND	ug/l	2	2	1	9/27/99	20:53	J Hollinan	8260B	5999
Trichloroethene	ND	ug/l	2	2	1	9/27/99	20:53	J Hollinan	8260B	5999
1,2,4-Trimethylbenzene	ND	ug/l	2	2	1	9/27/99	20:53	J Hollinan	8260B	5999
Vinyl chloride	ND	ug/l	2	2	1	9/27/99	20:53	J Hollinan	8260B	5999
Xylenes	ND	ug/l	2	2	1	9/27/99	20:53	J Hollinan	8260B	5999
Bromodichloromethane	ND	ug/l	2	2	1	9/27/99	20:53	J Hollinan	8260B	5999
METALS										
Aluminum, Total	ND	mg/l	0.0500	0.0500	1	9/21/99	8:07	R. Kelley	6010B	5678
Arsenic, Total	ND	mg/l	0.0050	0.0050	1	9/21/99	8:07	R. Kelley	6010B	5678
Barium, Total	ND	mg/l	0.0100	0.0100	1	9/21/99	8:07	R. Kelley	6010B	5678
Cadmium	ND	mg/l	0.0010	0.0010	1	9/21/99	8:07	R. Kelley	6010B	5678
Chromium, Total	ND	mg/l	0.0050	0.0050	1	9/21/99	8:07	R. Kelley	6010B	5678
Lead	ND	mg/l	0.0030	0.0030	1	9/21/99	8:07	R. Kelley	6010B	5678
Silver, Total	ND	mg/l	0.0050	0.0050	1	9/21/99	8:07	R. Kelley	6010B	5678
Zinc, Total	ND	mg/l	0.0200	0.0200	1	9/21/99	8:07	R. Kelley	6010B	5678
MISCELLANEOUS CHEMISTRY										
Phenolics	ND	mg/l	0.050	0.050	1	9/17/99	19:00	CHellinger	9066	4762

ND = Not detected at the report limit

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ANALYTICAL REPORT

Laboratory Number: 99-A141483
Sample ID: MW-9

Surrogate	% Recovery	Target Range
VOA Surr, 1,2-DCA, 44	102.	60. - 138.
VOA Surr, Toluene d8	89.	80. - 123.
VOA Surr, 4-BFB	98.	73. - 122.
VOA Surr, DBFM	107.	74. - 133.

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Report Approved By: _____ Report Date: 9/28/99

Theodore J. Duello, Ph.D., Lab Director
Michael N. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Services
Eric Smith, Assistant Technical Director
Gail A Lage, Technical Services

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ANALYTICAL REPORT

DELTA AUTOMOTIVE, INC 8208
KENRY KENNETT
103 S. ATLANTA AVE
SHEFFIELD, AL 35660

Lab Number: 99-A141455
Sample ID: MW-11
Sample Type: Ground water
Site ID:

Date Collected: 9/15/99
Time Collected: 13:00
Date Received: 9/16/99
Time Received: 9:00

Project:
Project Name: DELTA AUTOMOTIVE
Sampler: HY

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
VOLATILE ORGANICS										
Acetone	ND	ug/l	10	10	1	9/27/99	21:33	J Hollinan	8260B	5999
Benzene	ND	ug/l	2	2	1	9/27/99	21:33	J Hollinan	8260B	5999
n-Butylbenzene	ND	ug/l	2	2	1	9/27/99	21:33	J Hollinan	8260B	5999
t-Butylbenzene	ND	ug/l	2	2	1	9/27/99	21:33	J Hollinan	8260B	5999
Carbon tetrachloride	ND	ug/l	2	2	1	9/27/99	21:33	J Hollinan	8260B	5999
Chloroethane	ND	ug/l	2	2	1	9/27/99	21:33	J Hollinan	8260B	5999
Chloroform	ND	ug/l	2	2	1	9/27/99	21:33	J Hollinan	8260B	5999
1,1-Dichloroethane	ND	ug/l	2	2	1	9/27/99	21:33	J Hollinan	8260B	5999
1,2-Dichloroethane	ND	ug/l	2	2	1	9/27/99	21:33	J Hollinan	8260B	5999
1,1-Dichloroethene	ND	ug/l	2	2	1	9/27/99	21:33	J Hollinan	8260B	5999
cis-1,3-Dichloropropene	ND	ug/l	2	2	1	9/27/99	21:33	J Hollinan	8260B	5999
Ethylbenzene	ND	ug/l	2	2	1	9/27/99	21:33	J Hollinan	8260B	5999
Isopropylbenzene	ND	ug/l	2	2	1	9/27/99	21:33	J Hollinan	8260B	5999
p-Propylbenzene	ND	ug/l	2	2	1	9/27/99	21:33	J Hollinan	8260B	5999
1,1,1-Trichloroethane	ND	ug/l	2	2	1	9/27/99	21:33	J Hollinan	8260B	5999
1,1,2-Trichloroethane	ND	ug/l	2	2	1	9/27/99	21:33	J Hollinan	8260B	5999
Trichloroethene	ND	ug/l	2	2	1	9/27/99	21:33	J Hollinan	8260B	5999
1,2,4-Trimethylbenzene	ND	ug/l	2	2	1	9/27/99	21:33	J Hollinan	8260B	5999
Vinyl chloride	ND	ug/l	2	2	1	9/27/99	21:33	J Hollinan	8260B	5999
Xylenes	ND	ug/l	2	2	1	9/27/99	21:33	J Hollinan	8260B	5999
Bromodichloromethane	ND	ug/l	2	2	1	9/27/99	21:33	J Hollinan	8260B	5999
METALS										
Aluminum, Total	0.2830	mg/l	0.0500	0.0500	1	9/21/99	8:07	R. Kelley	6010B	5678
Arsenic, Total	ND	mg/l	0.0050	0.0050	1	9/21/99	8:07	R. Kelley	6010B	5678
Barium, Total	0.0300	mg/l	0.0100	0.0100	1	9/21/99	8:07	R. Kelley	6010B	5678
Cadmium	ND	mg/l	0.0010	0.0010	1	9/21/99	8:07	R. Kelley	6010B	5678
Chromium, Total	ND	mg/l	0.0050	0.0050	1	9/21/99	8:07	R. Kelley	6010B	5678
Lead	ND	mg/l	0.0030	0.0030	1	9/21/99	8:07	R. Kelley	6010B	5678
Silver, Total	ND	mg/l	0.0050	0.0050	1	9/21/99	8:07	R. Kelley	6010B	5678
Zinc, Total	ND	mg/l	0.0200	0.0200	1	9/21/99	8:07	R. Kelley	6010B	5678
MISCELLANEOUS CHEMISTRY										
Phenolics	ND	mg/l	0.050	0.050	1	9/17/99	19:00	CHollingsw	9066	4762

ND = Not detected at the report limit.

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ANALYTICAL REPORT

Laboratory Number: 99-A141455
Sample ID: MW-11

Surrogate	% Recovery	Target Range
VOA Surr, 1,2-DCA, d4	104.	60. - 136.
VOA Surr, Toluene d8	84.	89. - 123.
VOA Surr, 4-BFB	98.	73. - 122.
VOA Surr, DOFM	106.	74. - 133.

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Report Approved By: _____ Report Date: 9/28/99

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Eric Smith, Assistant Technical Director
Gail A Lege, Technical Services

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ANALYTICAL REPORT

DELTA AUTOMOTIVE, INC. 8208
HENRY KENNETT
103 S. ATLANTA AVE
SHEFFIELD, AL 35660

Lab Number: 99-A14145[illegible]
Sample ID: DRUM D
Sample Type: Ground water
Site ID:

Project:
Project Name: DELTA AUTOMOTIVE
Sampler: HY

Date Collected: 9/15/99
Time Collected: 13:15
Date Received: 9/16/99
Time Received: 9:00

Analyte	Result	Units	Report Limit	Mdl Limit	Dil factor	Date	Time	Analyst	Method	Batch
VOLATILE ORGANICS										
Acetone	ND	ug/l	10	10	1	9/27/99	22:53	J Hollinan	8260B	5999
Benzene	ND	ug/l	2	2	1	9/27/99	22:53	J Hollinan	8260B	5999
n-Butylbenzene	ND	ug/l	2	2	1	9/27/99	22:53	J Hollinan	8260B	5999
t-Butylbenzene	ND	ug/l	2	2	1	9/27/99	22:53	J Hollinan	8260B	5999
Carbon tetrachloride	ND	ug/l	2	2	1	9/27/99	22:53	J Hollinan	8260B	5999
Chloroethane	ND	ug/l	2	2	1	9/27/99	22:53	J Hollinan	8260B	5999
Chloroform	ND	ug/l	2	2	1	9/27/99	22:53	J Hollinan	8260B	5999
1,1-Dichloroethane	ND	ug/l	2	2	1	9/27/99	22:53	J Hollinan	8260B	5999
1,2-Dichloroethane	ND	ug/l	2	2	1	9/27/99	22:53	J Hollinan	8260B	5999
1,1-Dichloroethene	ND	ug/l	2	2	1	9/27/99	22:53	J Hollinan	8260B	5999
cis-1,3-Dichloropropene	ND	ug/l	2	2	1	9/27/99	22:53	J Hollinan	8260B	5999
Ethylbenzene	ND	ug/l	2	2	1	9/27/99	22:53	J Hollinan	8260B	5999
Isopropylbenzene	ND	ug/l	2	2	1	9/27/99	22:53	J Hollinan	8260B	5999
n-Propylbenzene	ND	ug/l	2	2	1	9/27/99	22:53	J Hollinan	8260B	5999
1,1,1-Trichloroethane	ND	ug/l	2	2	1	9/27/99	22:53	J Hollinan	8260B	5999
1,1,2-Trichloroethane	ND	ug/l	2	2	1	9/27/99	22:53	J Hollinan	8260B	5999
Trichloroethene	ND	ug/l	2	2	1	9/27/99	22:53	J Hollinan	8260B	5999
1,2,4-Trimethylbenzene	ND	ug/l	2	2	1	9/27/99	22:53	J Hollinan	8260B	5999
Vinyl chloride	ND	ug/l	2	2	1	9/27/99	22:53	J Hollinan	8260B	5999
Xylenes	ND	ug/l	2	2	1	9/27/99	22:53	J Hollinan	8260B	5999
Bromodichloromethane	ND	ug/l	2	2	1	9/27/99	22:53	J Hollinan	8260B	5999
METALS										
Aluminum, Total	0.[illegible]450	mg/l	0.0500	0.0500	1	9/21/99	8:07	K. Kelley	6010B	5678
Arsenic, Total	0.0053	mg/l	0.0050	0.0050	1	9/21/99	8:07	K. Kelley	6010B	5678
Barium, Total	0.[illegible]210	mg/l	0.0100	0.0100	1	9/21/99	8:07	K. Kelley	6010B	5678
Cadmium	ND	mg/l	0.0010	0.0010	1	9/21/99	8:07	K. Kelley	6010B	5678
Chromium, total	ND	mg/l	0.0050	0.0050	1	9/21/99	8:07	K. Kelley	6010B	5678
Lead	ND	mg/l	0.0030	0.0030	1	9/21/99	8:07	K. Kelley	6010B	5678
Silver, Total	ND	mg/l	0.0050	0.0050	1	9/21/99	8:07	K. Kelley	6010B	5678
Zinc, Total	0.0340	mg/l	0.0200	0.0200	1	9/21/99	8:07	K. Kelley	6010B	5678
MISCELLANEOUS CHEMISTRY										
Phenolics	ND	mg/l	0.050	0.050	1	9/17/99	17:00	CHollingsw	9066	6762

ND = Not detected at the report limit.

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ANALYTICAL REPORT

Laboratory Number: 99-A141456
Sample ID: DRUM D

Surrogate	% Recovery	Target Range
VOA Surr, 1,2-DCA, d4	110.	60. - 133.
VOA Surr, Toluene d8	93.	80. - 123.
VOA Surr, 4-BFB	100.	73. - 122.
VOA Surr, DBFM	108.	74. - 132.

These results relate only to the items tested.
This report shall not be reproduced except in full and with permission of the laboratory.

Report Approved By: T J Duello Report Date: 9/28/99

Theodore J. Duello, Ph.D., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Services
Eric Smith, Assistant Technical Director
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PROJECT QUALITY CONTROL DATA

Matrix Spike Recovery

Analyte	Units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch
Phenolics	mg/l	< 0.050	0.965	1.00	96	69. - 120.	4762
Benzene	mg/l	< 0.0020	0.0446	0.0500	89	66. - 135.	5999
1,1-Dichloroethene	mg/l	< 0.0020	0.0462	0.0500	92	59. - 144.	5999
Trichloroethene	mg/l	< 0.0020	0.0494	0.0500	99	54. - 153.	5999
Aluminum, Total	mg/l	< 0.0500	1.940	2.000	97	80 - 120	5678
Arsenic, Total	mg/l	0.0270	0.0810	0.0500	108	80 - 120	5678
Barium, Total	mg/l	0.1480	1.930	2.000	88	80 - 120	5678
Cadmium	mg/l	< 0.0010	0.0480	0.0500	96	80 - 120	5678
Chromium, Total	mg/l	< 0.0050	0.1860	0.2000	93	80 - 120	5678
Lead	mg/l	< 0.0030	0.0510	0.0500	102	80 - 120	5678
Silver, Total	mg/l	< 0.0050	0.0410	0.0500	82	80 - 120	5678
Zinc, Total	mg/l	0.0680	0.5680	0.5000	99	80 - 120	5678

Matrix Spike Duplicate

Analyte	Units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
Phenolics	mg/l	0.965	0.972	0.72	7.	4762
Benzene	mg/l	0.0446	0.0445	0.22	18.	5999
1,1-Dichloroethene	mg/l	0.0462	0.0484	4.65	52.	5999
Trichloroethene	mg/l	0.0494	0.0479	3.08	18.	5999
Aluminum, Total	mg/l	1.940	1.920	1.04	20	5678
Arsenic, Total	mg/l	0.0810	0.0750	7.87	20	5678
Barium, Total	mg/l	1.930	1.910	1.04	20	5678
Cadmium	mg/l	0.0480	0.0470	2.11	20	5678
Chromium, Total	mg/l	0.1860	0.1830	1.62	20	5678
Lead	mg/l	0.0510	0.0480	6.06	20	5678
Silver, Total	mg/l	0.0410	0.0430	4.76	20	5678
Zinc, Total	mg/l	0.5630	0.5540	1.61	20	5678

Laboratory Control Data

Analyte	Units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Acetone	mg/l	0.2500	0.2270	91	70 - 130	5999
Benzene	mg/l	0.0500	0.0544	109	70 - 130	5999
n-Butylbenzene	mg/l	0.0500	0.0437	87	70 - 130	5999
t-Butylbenzene	mg/l	0.0500	0.0470	94	70 - 130	5999
Carbon tetrachloride	mg/l	0.05000	0.04750	95	70 - 130	5999
Chloroethane	mg/l	0.0500	0.0567	114	70 - 130	5999
Chloroform	mg/l	0.0500	0.0505	101	70 - 130	5999
1,1-Dichloroethane	mg/l	0.0500	0.0538	108	70 - 130	5999
1,2-Dichloroethane	mg/l	0.0500	0.0475	95	70 - 130	5999
1,1-Dichloroethene	mg/l	0.0500	0.0563	113	70 - 130	5999
cis-1,3-Dichloropropene	mg/l	0.0500	0.0473	95	70 - 130	5999
Ethylbenzene	mg/l	0.0500	0.0466	93	70 - 130	5999

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PROJECT QUALITY CONTROL DATA

Laboratory Control Data

Analyte	Units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Isopropylbenzene	mg/l	0.0500	0.0474	95	70 - 130	5999
n-Propylbenzene	mg/l	0.0500	0.0463	93	70 - 130	5999
1,1,1-Trichloroethane	mg/l	0.0500	0.0481	96	70 - 130	5999
1,1,2-Trichloroethane	mg/l	0.0500	0.0538	108	70 - 130	5999
Trichloroethene	mg/l	0.0500	0.0627	125	70 - 130	5999
1,2,4-Trimethylbenzene	mg/l	0.0500	0.0463	93	70 - 130	5999
Vinyl chloride	mg/l	0.0500	0.0567	113	70 - 130	5999
Xylenes	mg/l	0.1500	0.1375	92	70 - 130	5999
Bromodichloromethane	mg/l	0.0500	0.0501	100	70 - 130	5999
Aluminum, Total	mg/l	2.000	1.960	98	80 - 120	5678
Arsenic, Total	mg/l	0.0500	0.0570	114	80 - 120	5678
Barium, Total	mg/l	2.000	1.800	90	80 - 120	5678
Cadmium	mg/l	0.0500	0.0510	102	80 - 120	5678
Chromium, Total	mg/l	0.2000	0.1960	98	80 - 120	5678
Lead	mg/l	0.0500	0.0510	102	80 - 120	5678
Silver, Total	mg/l	0.0200	0.0180	90	80 - 120	5678
Zinc, Total	mg/l	0.5000	0.5420	108	80 - 120	5678
Phenolics	mg/l	1.00	0.991	99	80 - 120	4762

Duplicates

Analyte	Units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
Phenolics	mg/l	< 0.050	< 0.050	N/A	15.	4762

Blank Data

Analyte	Blank Value	Units	Q.C. Batch
Aluminum, Total	< 0.0500	mg/l	5678
Arsenic, Total	< 0.0050	mg/l	5678
Barium, Total	< 0.0100	mg/l	5678
Cadmium	< 0.0010	mg/l	5678
Chromium, Total	< 0.0050	mg/l	5678
Lead	< 0.0050	mg/l	5678
Silver, Total	< 0.0050	mg/l	5678
Zinc, Total	< 0.0200	mg/l	5678
Phenolics	< 0.050	mg/l	4762
Acetone	< 0.0100	mg/l	5999
Benzene	< 0.0020	mg/l	5999
n-Butylbenzene	< 0.0020	mg/l	5999
t-Butylbenzene	< 0.0020	mg/l	5999
Carbon tetrachloride	< 0.00200	mg/l	5999
Chloroethane	< 0.0020	mg/l	5999
Chloroform	< 0.0020	mg/l	5999
1,1-Dichloroethane	< 0.0020	mg/l	5999
1,2-Dichloroethane	< 0.0020	mg/l	5999

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PROJECT QUALITY CONTROL DATA

Blank Data

Analyte	Blank Value	Units	Q.C. Batch
1,1-Dichloroethene	< 0.0020	mg/l	5999
cis-1,3-Dichloropropene	< 0.0020	mg/l	5999
Ethylbenzene	< 0.0020	mg/l	5999
Isopropylbenzene	< 0.0020	mg/l	5999
n-Propylbenzene	< 0.0020	mg/l	5999
1,1,1-Trichloroethane	< 0.0020	mg/l	5999
1,1,2-Trichloroethane	< 0.0020	mg/l	5999
Trichloroethene	< 0.0020	mg/l	5999
1,2,4-Trimethylbenzene	< 0.0020	mg/l	5999
Vinyl chloride	< 0.0020	mg/l	5999
Xylenes	< 0.0020	mg/l	5999
Bromodichloromethane	< 0.0020	mg/l	5999

RESOURCE CONSERVATION AND RECOVERY ACT FACILITY ASSESSMENT

DELTA AUTOMOTIVE, INC
SHEFFIELD, ALABAMA

ALD 982 123 127

Prepared by:
Tetra Tech EM Inc.
285 Peachtree Center Avenue, Suite 900
Atlanta, Georgia 30303
EPA Contract No. 68-W4-0007
Work Assignment No. R04038

Finalized by:
Alabama Department of Environmental Management
Post Office Box 301463
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July 7, 2000

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ACRYNOM LIST

ADEM	Alabama Department of Environmental Management
AOC	Area of concern
bgs	Below ground surface
CS	Confirmatory sampling
Delta	Delta Automotive Corporation
EPA	U.S. Environmental Protection Agency
Gallet	Gallet and Associates
IDW	Investigation derived waste
MEK	Methyl ethyl ketone
msl	Mean sea level
O&M	Operations and maintenance
OSHA	U.S. Occupational Safety & Health Administration
PR	Preliminary review
ppb	Parts per billion
ppm	Parts per million
RCRA	Resource Conservation and Recovery Act
RFA	RCRA Facility Assessment
Safety Kleen	Safety Kleen Corporation
SWMU	Solid waste management unit
TCLP	Toxicity characteristic leaching procedure
Tetra Tech	Tetra Tech EM Inc.
TVR	Tennessee Valley Recycling, Inc.
USDASCS	U.S. Department of Agriculture-Soil Conservation Service
VOC	Volatile organic compound
VSI	Visual site inspection
Whitfield	Whitfield Lumber Company

EXECUTIVE SUMMARY

Tetra Tech EM Inc. (Tetra Tech) received Work Assignment No. R04038 from the U.S. Environmental Protection Agency (EPA) under Contract No. 68-W4-0007. Under this work assignment, Tetra Tech is contracted to provide technical support to conduct a Resource Conservation and Recovery Act (RCRA) facility assessment (RFA) for the Delta Automotive, Inc. (Delta) facility in Sheffield, Alabama. This RFA report has been prepared for EPA to identify actual or potential releases of hazardous wastes or hazardous constituents from solid waste management units (SWMU) and areas of concern (AOC) that may require corrective action.

The Delta facility is approximately 3.5-acres in size and has evolved considerably over the course of its operational lifetime to its current layout of three buildings.

The Delta facility is currently engaged in the packaging of transmission parts into kits to be sold. Based on information gathered during the preliminary assessment (PR) and the visual site inspection (VSI), Delta currently generates 3 waste streams in packaging operations. All of the wastes currently generated have been determined to be nonhazardous and include sanitary wastewater, general facility refuse, and investigation-derived waste (IDW).

Delta was formerly engaged in the reconditioning of automobile transmission parts and axles. Delta began these operations in 1971 and continued them until 1997, adding and discontinuing certain processes during this period. During its 27-year history Delta generated numerous waste streams from reconditioning operations. It is difficult to determine the exact number due to a lack of information regarding processes that generated many of the wastes. A release of waste mineral spirits at two locations at the facility likely resulted in soil and groundwater contamination at the facility.

Tetra Tech identified and summarized information for 19 SWMUs and 3 AOCs at the Delta facility. Table ES-1 provides a profile of these units. The majority of the SWMUs identified handled wastes associated with the reconditioning of transmission parts and axles, including waste oil and transmission fluid, spent mineral spirits, and grease. Delta does not currently generate any wastes associated with reconditioning operations. Based on the PR and VSI, further investigation into the extent of soil and groundwater contamination is recommended.

SWMUs 9 and 12, which consist of the two drum storage areas where releases occurred, are the primary units of concern identified during the RFA at the Delta facility. The exact dates of the releases are unknown but it is believed that the release at SWMU 9 occurred in the late 1970's while the release at SWMU 12 occurred in 1989. The drums from which the release occurred are believed to have contained spent mineral spirits, petroleum naphtha, and MEK. Mineral spirits, petroleum naphtha, and MEK are no longer used in any process at the facility.

In 1989 the Alabama Department of Environmental Management (ADEM) discovered the releases at the Delta facility and many other violations, and became involved in assisting Delta with becoming compliant with appropriate regulations. Since ADEM became involved with the facility, violations have been discovered, and Delta has been fined twice for a total of $55,000.

Several studies have been undertaken to quantify the extent of contamination at the site. Surface and subsurface soil samples have been collected on site. Groundwater samples have been collected from monitoring wells installed on-site, upgradient from the site and downgradient from the site in an effort to determine the extent of groundwater contamination at the site, if upgradient sources were contributing to groundwater contamination, and to determine the extent of offsite contaminant migration. Volatile organic compounds (VOC) and metals were detected above background levels in surface and subsurface soils, as well as in groundwater samples.

Based on existing groundwater monitoring reports the overall direction of groundwater flow in the area is west, with variation to the northwest and southwest; however, groundwater in one portion of the site appears to flow to the north.

At SWMUs 9 and 12 the area of contamination in soils has been delineated through the collection and analysis of surface and subsurface soil samples. Because VOC contamination in soils does not appear significant based on existing data, the subsurface gas migration pathway does not appear to pose a serious risk.

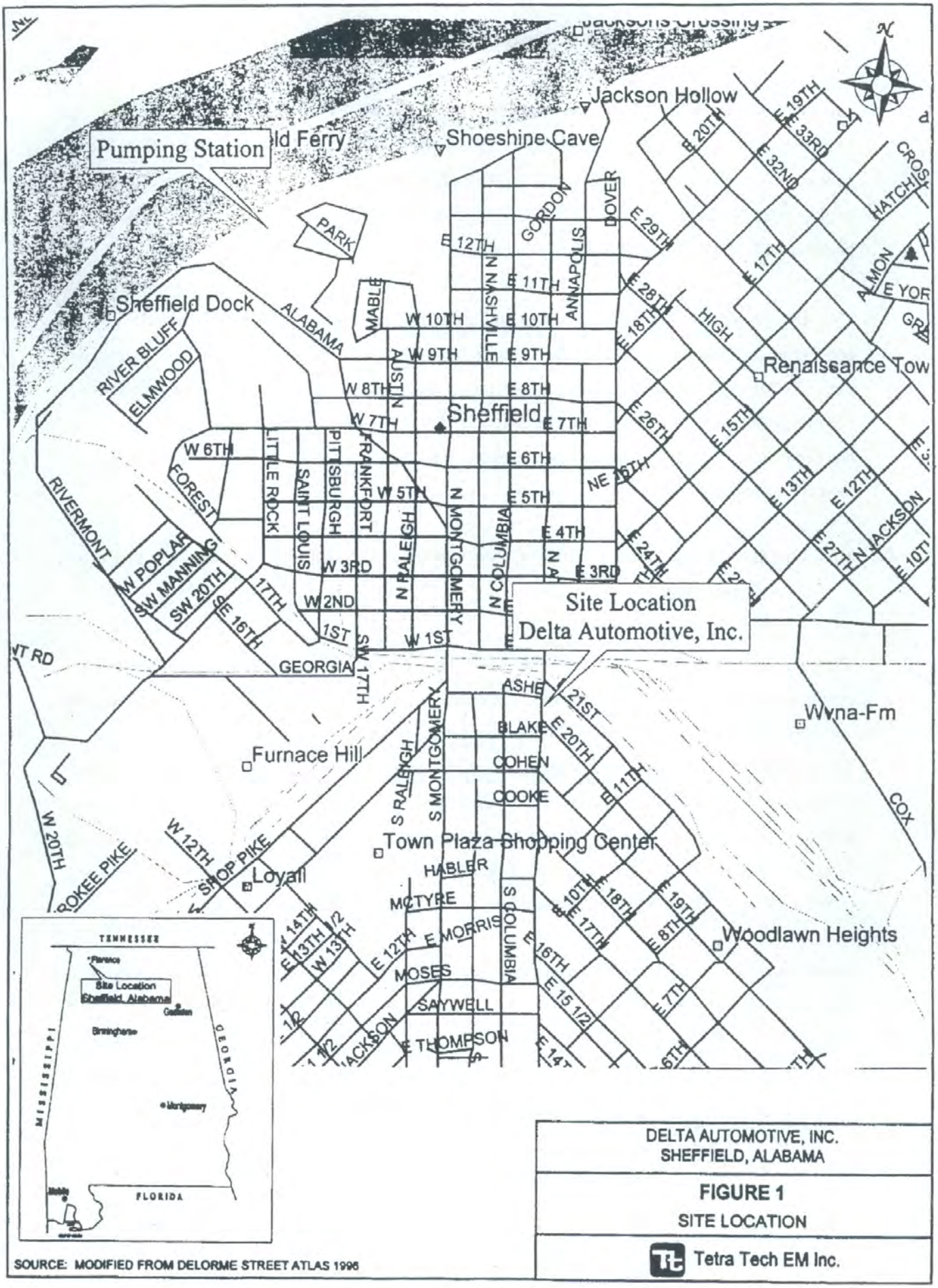
Corrective actions are scheduled to take place at SWMU 9 in the form of capping the area. Taking this into consideration, no further action beyond completing the cap is recommended at SWMU 9. At SWMU 12 confirmatory sampling (CS) is recommended because it appears that soil samples were not

analyzed for metals. It is recommended that additional samples be collected and analyzed for metals.

The data indicates that Delta has contributed to the groundwater contamination detected in the monitoring wells. Because contamination was detected in both upgradient and downgradient monitoring wells, ADEM considers that there is also an offsite contribution to the contamination. Therefore, ADEM, after consideration of the facts available from the site, determined that an adequate groundwater quality assessment has been conducted and decided to move forward with implementation of the closure plan to prevent further releases.

Surface water contamination was not addressed in the Risk Assessment, performed by Gallet and Associates (Gallet, 1995). Surface water may be flowing across the spill areas and traveling offsite. Because the area near SWMU 9 is scheduled to be capped the potential for contaminant migration from soils into surface water is greatly reduced. Based on existing data the soil in the area of SWMU 12 does not appear to pose a serious threat; although, should additional soil samples reveal elevated concentrations of metals, additional investigation into the surface water migration pathway is recommended. Additional investigation could include; determining the flow path of storm water across the site and sediment sampling at major discharge points.

No additional investigation is recommended for the inhalation pathway because of scheduled corrective action activity which will cap the area of SWMU 9 thus minimizing any potential for inhalation of contaminated particulates.



DELTA AUTOMOTIVE, INC.
SHEFFIELD, ALABAMA

FIGURE 1

SITE LOCATION

Tetra Tech EM Inc.

SOURCE: MODIFIED FROM DELORME STREET ATLAS 1996

1.0 INTRODUCTION

Tetra Tech EM Inc. (Tetra Tech) received Work Assignment No. R04038 from the U.S. Environmental Protection Agency (EPA) under Contract No. 68-W4-0007. Under this work assignment, Tetra Tech is contracted to provide technical support to conduct a Resource Conservation and Recovery Act (RCRA) facility assessment (RFA) for the Delta Automotive, Inc. (Delta), facility (EPA Identification (ID) Number ALD 982 123 127) in Sheffield, Alabama.

This RFA report describes the findings of a preliminary review (PR) and a visual site inspection (VSI) concerning the Delta facility. It includes (1) a description of the facility and its solid waste management units (SWMUs); (2) an identification of the potential for releases of hazardous wastes or hazardous constituents through various migration pathways; and (3) a summary of conclusions and recommendations regarding further agency activity, including a recommendation of whether a RCRA facility investigation (RFI) is necessary.

1.1 PURPOSE OF THE RESOURCE CONSERVATION AND RECOVERY ACT FACILITY ASSESSMENT

The purpose of the RFA is to identify releases or potential releases of hazardous wastes or hazardous constituents from SWMUs that require corrective action. The RFA is the first step in implementing the corrective action provisions of the 1984 Hazardous and Solid Waste Amendments to RCRA. Specifically, Sections 3004(u), 3004(v), and 3008(h) grant EPA the authority to implement corrective action for releases of hazardous wastes and constituents from SWMUs at facilities that treat, store, or dispose of hazardous waste. An RFA generally consists of (1) a PR, (2) a VSI, and (3) a sampling visit (SV), if necessary. An SV is conducted only when available information is insufficient to support a recommendation concerning an RFI. An SV was not conducted at the Delta facility.

According to the EPA's "RCRA Facility Assessment Guidance" (EPA 1986), the four purposes of an RFA are as follows:

1. Identify and gather information on releases at RCRA-regulated facilities.
2. Evaluate SWMUs and areas of concern (AOC) for releases to all environmental media and regulated units for releases to media other than groundwater.

3. Make preliminary determinations regarding releases of concern and the need for further actions at the facility, including interim measures.

4. Screen from further investigation SWMUs and AOCs that do not pose a threat to human health and the environment.

An RFA is initiated when a release of hazardous waste or hazardous constituents has been identified at a RCRA facility or when EPA or the authorized state is considering a facility's RCRA permit. An RFA was performed at the Delta facility because of a previous release and various violations for which the facility was cited.

1.2 PROCEDURES

The RFA was conducted in accordance with procedures outlined in EPA's "RCRA Facility Assessment Guidance" (EPA 1986). On July 2, 3, and 7, 1997, Tetra Tech conducted a PR at the EPA Region 4 office in Atlanta, Georgia. On August 5, 1997, Tetra Tech conducted a PR at the Alabama Department of Environmental Management (ADEM) office in Montgomery, Alabama.

Tetra Tech reviewed documents relevant to RCRA and Comprehensive Environmental Response, Compensation, and Liability Act and the Air and Water programs. The main sources of information were (1) general correspondence with state and federal agencies concerning the facility, (2) facility inspection reports, and (3) various facility process diagrams. Tetra Tech used the information collected during the PR to prepare a list of potential SWMUs. On September 9, 1997 Tetra Tech then submitted this list of potential SWMUs, along with a request for general facility information, through EPA to Delta representative, Ben Law. Tetra Tech received some of the information on January 13, 1998, during the VSI, and some additional information through the mail in April 1998. After the VSI, the SWMU list was modified to include additional SWMUs and to delete some of the preliminary SWMUs previously listed, because they did not meet the criteria for a SWMU.

Tetra Tech conducted the VSI on January 13, 1998, at the Delta facility in Sheffield, Alabama. Tetra Tech personnel arrived at the facility and met with Delta personnel to discuss the facility's history, organization, and operations and to resolve questions concerning its hazardous waste management practices. Tetra Tech representatives explained the purpose of the visit and discussed the RFA process. Meeting attendees included the following:

- Robert E. Melton - Tetra Tech
- Brock J. Sturdivant - Tetra Tech
- Ben Law - Delta
- R.J. Melendez - Bancon, Inc.
- John Muse - ADEM
- Keith West - ADEM
- Rita Nichols - ADEM
- Russ McLean - EPA

After the initial meeting, all participants toured the facility to document all of the potential SWMUs identified by Tetra Tech. Photographs taken during the VSI are included as Attachment A of this report.

1.3 REPORT

This report summarizes the information obtained during the PR and VSI and evaluates the information in terms of RFA objectives. The facility and its operations are described in Section 2.0; the environmental setting is discussed in Section 3.0; SWMUs and AOCs are identified and discussed in Section 4.0, respectively; potential human and environmental receptors are described in Section 5.0 and Section 6.0, respectively; and conclusions and recommendations are presented in Section 7.0.

2.0 FACILITY DESCRIPTION

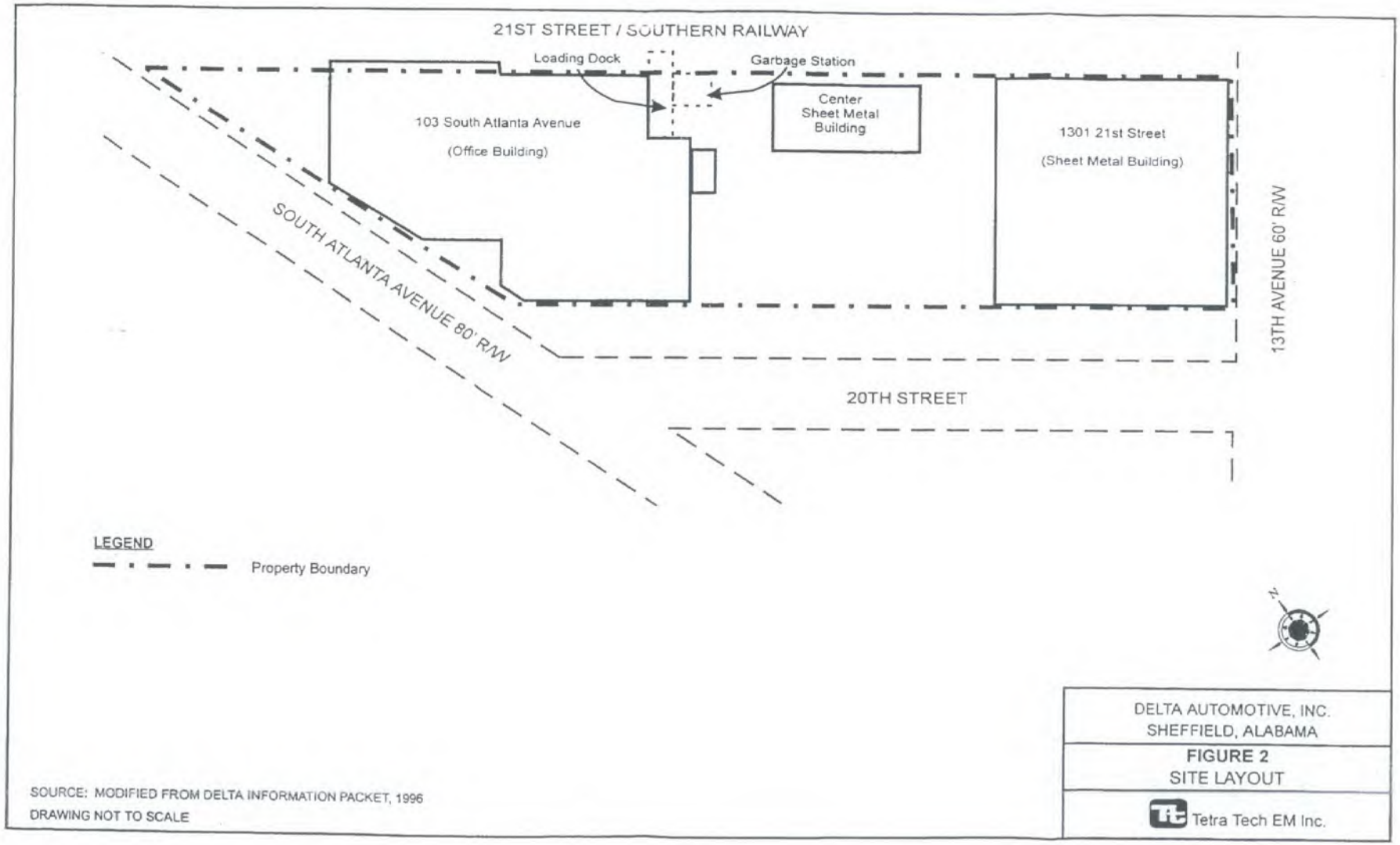
This section of the RFA report describes the (1) facility location, (2) facility background, and (3) historical and current facility operations and waste management practices.

2.1 SITE LOCATION

The Delta facility is located at the intersection of South Atlanta Avenue and 21st Street in Sheffield, Colbert County, Alabama, about 1 mile from Pickwick Lake. Figure 1 is a site location map. An Exxon bulk petroleum plant is located to the east of the Delta property, retail establishments are located to the north of the Delta property, and areas to the south, southwest, and west of Delta is residential.

Standard facility data are provided below:

Facility Location and Mailing Address:	103 South Atlanta Avenue Sheffield, Alabama
Facility Contact:	Mr. Benjamin Law
Telephone No.:	(256) 383-9181
US EPA Identification (ID) Number:	ALD 982 123 127


21ST STREET / SOUTHERN RAILWAY
Loading Dock
Garbage Station
103 South Atlanta Avenue
(Office Building)
Center
Sheet Metal
Building
1301 21st Street
(Sheet Metal Building)
SOUTH ATLANTA AVENUE 80' R/W
13TH AVENUE 60' R/W
20TH STREET
LEGEND
Property Boundary
N
DELTA AUTOMOTIVE, INC.
SHEFFIELD, ALABAMA
FIGURE 2
SITE LAYOUT
Tetra Tech EM Inc.
SOURCE: MODIFIED FROM DELTA INFORMATION PACKET, 1996
DRAWING NOT TO SCALE

2.2 FACILITY BACKGROUND

The earliest available record of ownership is the Whitfield Lumber Company (Whitfield) in about 1914. Whitfield operated as a building supply store and sawmill. Whitfield built a steam-driven woodworking shop, a kiln drying building, and a cabinet shop, which also was steam-driven. Several lumber storage buildings were also maintained. Later, Whitfield built a showroom, which is now Delta's office building. No information is available as to what chemicals, if any, were used in Whitfield's operation. For 3 to 4 years during the late 1960s Whitfield leased the property to Das Borden Company, which strictly bought and sold lumber. For a few months in 1970, Charles Burns leased the property as storage for surplus auto parts. Delta purchased the property in October 1971, after becoming incorporated in June 1970. Delta began operations in 1971 recycling and rebuilding automobile transmissions and axles. These operations continued by adding some operations and discontinuing others through 1997. In 1997 all rebuilding and recycling operations ceased to operate at the Delta facility ceased and were removed from the facility. Delta currently engages in packaging automobile parts (Delta 1998a).

2.3 FACILITY OPERATIONS

The Delta facility is approximately 3.5 acres in size and currently consists of three buildings. The facility has undergone considerable change since its beginning in 1971, with buildings and portions of buildings having been removed at various times. Figure 2 provides the current facility layout.

Delta Automotive currently operates as an auto parts packaging shop, taking individual parts and combining them to form "kits." Formerly, Delta was engaged in rebuilding automobile transmissions and axles. Bands and torque converters were removed and processed in a production building. Protective paper from the bands was burned in an oven. The bands were then dipped in a caustic bath, air dried, and then recycled. The reconditioned bands were then remounted on the transmissions. The burning process generated an ash, which exhibited RCRA characteristics for lead. Delta later determined that certain transmissions carry bands that contain lead and no longer reconditioned those transmissions. The ash was analyzed using the toxicity characteristic leaching procedure (TCLP) and was below regulatory levels for metals (Delta 1998a). Torque converters were taken apart in a drain pan, rebuilt, and painted. The drain pan and parts washer were picked up on a monthly basis by Safety Kleen Corporation (Safety Kleen) (Delta 1998a).

The Delta facility currently does not rebuild transmissions or axles. The following sections discuss the three steps of the automotive parts recycling processes that were previously operated at the Delta facility. The three steps include disassembly of transmissions and parts preparation, cleaning of transmission parts, and painting and reconditioning of transmission parts.

2.3.1 Disassembly of Transmissions and Parts Preparation

Delta was engaged in rebuilding automobile transmissions. The first step in this process was disassembly of transmissions and parts preparation. After transmissions were disassembled, the bands and torque converters were removed and processed in a production building. This consisted of three steps: debonding, sandblasting, and burning protective paper from the bands in a small oven.

At the debonding station, bands were dipped in a caustic bath to remove any old bonding, air dried, and then recycled. Any oil collected in the bath was separated and removed. For a period of time, the caustic bath was hazardous because of high pH. During this period, the liquid was contained in 55-gallon drums and stored in the hazardous waste storage area. After the process changed, the pH was controlled to a point where the liquid was not considered to be hazardous waste. The liquid from the caustic bath was neutralized with muratic acid and discharged through the municipal sewer (ADEM 1990b).

At the sandblasting station, product 1,1,1-trichloroethane was used for dipping and cleaning of special transmission parts so that adhesive would bond better to these parts. Spent 1,1,1-trichloroethane was occasionally generated (ADEM 1990b).

At the oven, protective paper from the bands was burned. The burning process generated a residue, which was characteristic for lead. Delta later determined that certain transmissions carry bands that contain lead and no longer reconditioned those transmissions. The ash was analyzed using TCLP and was below regulatory concentrations for metals (ADEM 1990b).

2.3.2 Parts Cleaning

Three parts cleaning stations are believed to have operated at the facility: a (Viking) vibratory cleaner, converter parts draining/cleaning, and a cleaning station in the axle department.

At the shaker (Viking) parts cleaning station, a rotating tank used petroleum naphtha to clean transmission parts. The petroleum naphtha was circulated from a smaller holding tank. Waste naphtha was removed from a smaller tank in 20-gallon tanks and transferred to the hazardous waste storage area. No waste accumulation occurred in this area (ADEM 1990b). A discrepancy in the cleaning medium exists between Delta and ADEM regarding this station. Delta claimed that water with detergent was used in the shaker parts cleaning station (Delta 1998a).

Converter parts were drained of oil and disassembled to remove internal parts. Waste oil was stored in a holding vat. Internal parts were cleaned in a vat of product naphtha. Spent naphtha was then transferred to the hazardous waste storage area. No accumulation of waste naphtha occurred in this station (ADEM 1990b).

Spent naphtha and spent methyl ethyl ketone (MEK) were generated from the cleaning of axle parts. Spent naphtha was removed from the parts cleaner into 20-gallon drums and taken to hazardous waste storage. Spent MEK was accumulated in a 55-gallon satellite drum (ADEM 1990b).

2.3.3 Painting and Reconditioning of Transmission Parts

Parts were prepared at these stations for rust prevention prior to shipping. Small transmission parts were dipped in a dye. No wastes were generated at this station.

At the Band Gluing station, a naphtha/transmission fluid mixture was used to "fix" adhesive to the reconditioned bands (ADEM 1990b).

Some transmission parts were spray painted at the paint booths. Wastes included used paint filters. Reconditioned bands were then remounted on the transmissions.

TABLE 1 (continued)

HAZARDOUS WASTES PREVIOUSLY GENERATED AT THE DELTA FACILITY

Waste Description	Waste Code	Quantity Shipped Off Site (Pounds)	Date of Shipment	Name and Location of Receptor
Waste ORM-A, N.O.S.	F001	376	11/18/89	Safety Kleen, Linden, New Jersey
Waste Flammable Liquid N.O.S.	D001	3,438	11/18/89	Safety Kleen, Linden, New Jersey
Waste Flammable Liquid N.O.S.	F005	475	11/18/89	Safety Kleen, Linden, New Jersey
Waste ORM-A, N.O.S.	F002	950	12/6/89	Safety Kleen, Linden, New Jersey
Petroleum Naphtha	Not Specified	2,150	12/13/89	Safety Kleen Huntsville, AL
Mineral Spirits	D001	37,754	1990	Safety Kleen Huntsville, AL
1,1,1-Trichloroethane		2,768	1990	Safety Kleen Lexington, NC
MEK	F005	11,254	1990	Safety Kleen Lexington, NC
Combustable Liquid	D001	1,860	1990	Safety Kleen, Linden, New Jersey
Acetone/Sodium Hydroxide	F003	505	5/10/91	Safety Kleen, New Castle, Kentucky
Ethylene Glycol Butyl Ether	D001	515	5/10/91	Safety Kleen, New Castle, Kentucky
Waste Paint Materials	F002, F003, and F005	853	5/10/91	Safety Kleen, New Castle, Kentucky
Waste Petroleum N.O.S. Aliphatic and Aromatic Hydrocarbons	Not Specified	427	5/10/91	Safety Kleen, New Castle, Kentucky
Mixture	F003 and F005	417	5/10/91	Safety Kleen, New Castle, Kentucky
Ethanol & Isopropanol	Not Specified	427	10/31/91	Safety Kleen, Lexington, South Carolina
Mineral Spirits	D001	37,754	1991	Safety Kleen Huntsville, AL
1,1,1-Trichloroethane	Not Specified	4,275	1991	Safety Kleen Lexington, NC
MEK	F005	8,244	1991	Safety Kleen Lexington, NC

TABLE 1 (continued)

HAZARDOUS WASTES PREVIOUSLY GENERATED AT THE DELTA FACILITY

Aqueous Jet Wash Solution Combustible Oil	D006 and D018	35,235	1991	Safety Kleen, Lexington, South Carolina
Asbestos/Lead	D008	1590	1992	Chemical Waste Management, Emelle, Alabama
1,1,1-Trichloroethane	F001, F003, and F005	950	1992	Safety Kleen, Lexington, South Carolina
Spent Solvent	D001, D018, and D039	3,478	1992	Safety Kleen, Lexington, South Carolina
Corrosive Waste Band Liners	D002	1,377	1992	Safety Kleen, Lexington, South Carolina
Asbestos/Lead	D008	863	1993	Chemical Waste Management, Emelle, Alabama
1,1,1-Trichloroethane	F001, F003, and F005	475	1993	Safety Kleen, Lexington, South Carolina
Spent Solvent	D001, D018, D039	1,541	1993	Safety Kleen, Lexington, South Carolina
Corrosive Waste Band Liners	D002	2,321	1993	Safety Kleen Carlyss, LA
Potassium Hydroxide	D002	950	1994	Chemical Waste Management, Emelle, Alabama
Solid Waste Asbestos	D008	1,163	1994	Chemical Waste Management, Emelle, Alabama
Solid Waste Lead/Asbestos	D008	874	1995	Chemical Waste Management, Emelle, Alabama
Asbestos/Lead	D008	213	1995	Chemical Waste Management, Emelle, Alabama
Sodium Hydroxide	D002	47 gallons	1996	Fisher Industries Services, Inc.
Corrosive Liquid	D002	250 gallons	1996	Chem-Met Services Wyandotte, Michigan
Waste Liquid	D008	564 gallons	1996	Chem-Met Services Wyandotte, Michigan
Waste Liquid	D008	220	1996	Chem-Met Services Wyandotte, Michigan

Notes: N.O.S. = Not Otherwise Specified
Reference for information in table: Delta 1998a

2.4.3.3 Oven Residue

From the burning of band papers from transmissions, the Bayco oven (SWMU 4) produced a residue that was determined to be hazardous because of lead concentrations. The oven was located along the southwestern wall of the 1301 21st Street building. The residue was cleaned from the oven, as needed, and transferred to open-top 55-gallon drums (SWMU 3c). The residue was sprayed with water prior to removal from the oven in an effort to reduce air-born releases. As the drums were filled, they were moved to the hazardous waste storage area (SWMU 1), where they were removed from the facility by Chem Waste (Delta 1998a).

2.4.3.4 Caustic Bath Fluid

Caustic baths (SWMU 8) were located along the southeastern wall and in the northern portion of the 1301 21st Street building and were used to strip band liner material from transmission bands. The resulting caustic liquid contained dirt and oil and was determined to be hazardous waste. The tanks were periodically cleaned and replenished, and the caustic water was pumped from the tank into 55-gallon drums, which were then transferred to the hazardous waste storage area (SWMU 1). Chem Waste (Delta 1998a) removed the drums from the facility.

2.4.3.5 Dip Tank Solvent

A dip tank containing the solvent 1,1,1-trichloethane was used for cleaning transmission bands. The unit was located in the 1301 21st Avenue building, near the northern corner. One 55-gallon drum was used to containerize the trichloroethane. Delta later replaced trichloroethane with MEK in the band-cleaning process; however, no information was available regarding when the change occurred. When MEK replaced trichloroethane in the process, no waste was generated from this process. About one 55-gallon drum of trichloroethane was picked up by Safety Kleen per month (Delta 1998a).

2.5 REGULATORY HISTORY

During the PR, no documentation was found regarding any regulatory actions from 1971, when Delta began operations, through 1989. The first documented regulatory action resulted from a 1989 citizen complaint concerning the storage of waste oil and solvents in drums surrounding the facility (ADEM 1989a).

On April 11, 1989 ADEM, conducted an inspection in response to a citizen complaint concerning the storage of waste oil and solvents in drums surrounding the plant. During the inspection, ADEM noted several significant violations relating to on-site management of hazardous waste. Of particular significance, ADEM noted that drums were stored in two areas. The first area, according to Delta personnel, was used to store waste oil drums; however, many of the drums had product solvent labels. The second area was reportedly used for storage of spent MEK. One drum was open, and several others were in poor condition. Stained soil was noted at the second drum storage area. Drums at both locations were stored directly on the ground (ADEM 1989b).

Other violations noted during the inspection included:

- Delta had not determined whether it generated hazardous waste.
- Delta had not obtained an EPA ID number.
- Spent solvent was managed as waste oil and not manifested as spent solvent.
- Hazardous wastes were stored on site for over 90 days without a permit. The hazardous wastes included, but were not limited to, MEK, mineral spirits (naphtha), caustic waste, and other halogenated solvents used in degreasing.
- Containers were not properly labeled "Hazardous Waste" and had no waste code.
- Noncompliance with general generator regulations (ADEM 1989a)

In response to ADEM's inspection, Delta began efforts to comply with the hazardous waste administrative code. On April 11, 1989, Delta conducted a material survey and completed a preshipment analysis on May 15, 1989. Delta filed a notification of hazardous waste activity as a small-quantity generator (less than 1,000 kilograms per month) on May 16, 1989. In this notification, Delta reported

generating the following hazardous wastes from nonspecific sources (F-listed wastes): spent halogenated solvents (F001) and spent nonhalogenated solvents (F003 and F005). Delta also listed the following commercial chemical product hazardous wastes as being produced at their facility (U-listed wastes): acetone; 2-propanone (U002); 2-butanone; MEK (U159); 1,1,1-trichloroethane; methyl chloroform (U226); methyl isobutyl ketone; 4-methyl-2-pentanone; and 4-methyl-pentanol (U161). In addition, Delta reported generating wastes with the following characteristics of nonlisted hazardous wastes: ignitable (D001) and toxic (D004) (Delta 1990a).

In response to inspection findings, ADEM issued a notice of violation requiring the following corrective actions: (1) perform a chemical analysis of wastes contained in drums and in the 450-gallon tank; (2) arrange for removal of hazardous wastes by a permitted transporter to an approved treatment or disposal facility; (3) provide documentation of past hazardous waste management; (4) sample soils at two outdoor storage areas; and (5) comply with general generator regulations (ADEM 1989a).

In accordance with the notice of violation issued to Delta by ADEM dated May 16, 1989, Mid-South Testing, Inc., collected a total of 21 samples collectively from surface and subsurface soils, sludge, and fiberboard in June, 1989. Soil samples collected at depths ranging from 6 to 24 inches below ground surface (bgs) showed various organic contaminants including 1,1,1-trichloroethane; benzene; ethylbenzene; trichloroethylene; toluene; MEK; MIBK; xylene; isopropylbenzene; bromobenzene; trichloromethene; styrene; carbon tetrachloride; and trichloroethene. Sludge samples revealed 1,1,1-trichloroethane; benzene; ethyl benzene; toluene; trichloroethylene; MEK; MIBK; xylene; isopropylbenzene; styrene; and butylbenzene; and fiberboard samples contained chrysotile asbestos (Mid-South 1989). Based on these results, Delta proposed developing site investigation plans to determine the extent of vertical and horizontal contamination (Delta 1990a).

On June 19, 1989, ADEM assigned EPA ID No. ALD 982 123 127 to Delta with advisement to follow Special Requirements for Small Quantity Generators as promulgated under Chapter 335-14-3-.03(5) (d) of ADEM's Administrative Code (ADEM 1989c).

On February 23, 1990, ADEM conducted a follow-up inspection at the Delta facility to determine the level of compliance with ADEM's Notice of Violation dated May 16, 1989. The inspection revealed

several violations related to record keeping, personnel training, and on-site waste management. Specific violations noted during this inspection include:

- The hazardous waste storage area did not contain a control around the concrete pad to contain any runoff of hazardous wastes. In addition, the pad contained unsealed cracks, and the area was not properly labeled.

- No emergency communication equipment, fire control and alarm systems, personnel training program, and emergency contingency plan were in place at the facility.

- A total of 65 drums were present at the hazardous waste storage area, including 4 55-gallon drums containing MEK, 2 55-gallon drums containing waste naphtha, and 59 20-gallon drums of waste naphtha, and 5 drums of green lacquer, all of which were improperly labeled. Open and unlabeled drums were also observed at satellite waste accumulation areas (ADEM 1990b, 1991a).

On May 30, 1990, ADEM inspectors filed an internal memorandum documenting photographs taken of the Delta facility during what is believed to be the April 11, 1989, inspection. The photographs focused mainly on multiple drum storage areas throughout the property in which drums containing solvent and waste oil were stored directly on the ground and in poor maintenance (ADEM 1990a). It is unclear what areas of the site were photographed based on changes in physical features at the facility.

On June 21, 1990, Gallet and Associates (Gallet) performed a subsurface investigation involving subsurface soil borings and VOC analysis of soil samples. Results from chemical analyses showed VOC concentrations ranging from nondetection results to 35,000 parts per billion (ppb), as well as specific concentrations of acetone; 2-butanone; 1,1,1-trichloroethane; 1,1-dichloroethane; ethylbenzene; and xylene. Two areas, currently being identified as SWMUs 9 and 12, were determined to have surface soil contamination. Subsurface contamination to a depth of about 15 feet bgs was only confirmed at the SWMU 9 location (Gallet 1990).

On January 29, 1991, ADEM issued a draft Administrative Order (Order) to Delta, reiterating the findings from the inspections performed on April 11, 1989, and February 23, 1990. In addition to previous findings, the Order outlined corrective measures to be incorporated into Delta's operations.

- Within 30 days, Delta was to develop a groundwater and soil quality assessment plan, which was to have included three sampling events in a 6-month period. The assessment

plan was to have incorporated Mid-South's results and was to include soil cleanup performance standards in accordance with ADEM regulations. The plan was to be implemented immediately upon approval from ADEM.

- Within 30 days of completion of the site assessment, Delta was to submit a closure plan for its hazardous waste storage areas. In the event that post-closure care was deemed necessary, Delta was to complete a post-closure permit application within 180 days of submission of the plan.

- Delta was to label all hazardous waste containers and cease accumulating hazardous materials for longer than 90 days, unless a proper permit was obtained.

- Delta was to construct a designated hazardous waste storage area that met ADEM standards within 30 days of receipt of this notice.

- Within 30 days of receipt of this notice, Delta was to pay a total fine of $25,000; $10,000 for continuously operating after receiving a notice of violation as a hazardous waste generator without having complied with applicable regulations under the ADEM Administrative Code and $15,000 for operating a facility in substantial violation of ADEM Administrative Code, Chapter 335-14-3 and for disposing of hazardous wastes without a permit through allowing spillage to run off from the storage area onto the ground.

- Delta was to come into compliance with various administrative orders within 30 days of receipt of this notice, including development and implementation of a personnel training plan; development and submittal to appropriate emergency response authorities, of an emergency contingency plan; and development of a facility operating plan (ADEM 1991a).

The Administrative Order also warned Delta that failure to comply with the order could result in further action, including criminal fines and civil penalties. It also stated that Delta was subject to penalties for storage and disposal of hazardous waste without proper permits, and that any penalties would be dependent, in part, on future information regarding the extent of soil and groundwater contamination (ADEM 1991a).

At the request of Delta, a show cause meeting was held between Delta and ADEM on April 9, 1991, to discuss the draft Order. At this meeting, Delta conceded to items 1 through 7 and 9 outlined in the draft Order. Delta stated that a new consulting firm had been retained and that efforts to come into compliance with ADEM regulations had been made. At the direction of their new consultant, violations concerning the hazardous waste storage area had been corrected, personnel training had commenced, and a plan for soil cleanup had been submitted to ADEM. Delta also stated that it would be constrained in its

efforts to correct violations by the financial condition of the company; and that it did not have the financial resources to pay administrative penalties or the estimated cost of clean closure (ADEM 1991b).

From May 7 through 10, 1991, Gallet performed a groundwater investigation during which four temporary and four permanent monitoring wells were installed, followed by soil and groundwater sampling for VOCs. The resulting Groundwater Investigation Report concluded that contamination appeared to be associated with two areas, one at SWMU 9 and the other about 40-feet north of SWMU 9. Gallet also concluded that soil and groundwater contamination existed upgradient of the site. During periods of high groundwater levels, Gallet has concluded that groundwater is in direct communication with subsurface soil contamination, allowing migration of VOC constituents. Gallet proposed lowering the groundwater elevation at the site by installing a permanent drainage trench so as to draw groundwater elevations below contaminated soils (Gallet 1991a).

Pursuant to the show cause meeting with Delta on April 9, 1991, ADEM issued Administrative Order 92-024-HW, dated December 11, 1991. The official order documented that soil contamination had occurred to a significant depth and groundwater had been contaminated. Delta was also required to obtain a post-closure care permit (ADEM 1991b).

On February 27, 1992, ADEM responded with comments concerning Delta's Groundwater Quality Assessment Plan. ADEM's comments covered a variety of subjects, including concerns as to whether the number of wells was sufficient to delineate horizontal and vertical extent of contamination, and groundwater flow direction based on the hydrogeologic complexity of the region. Other concerns included whether monitoring well W-1 would serve as a background well because of trichloroethylene exceeding the MCL; addition of radium, gross alpha, and gross beta to the list of sampling parameters; and compatibility of well construction materials with contaminants present in the groundwater (ADEM 1992a).

On March 19, 1992, ADEM conducted a compliance evaluation inspection. At this inspection, ADEM noticed that Delta's process for cleaning transmissions had changed. Delta was using jet washers, which generated a grease/water mixture waste and a grease waste, and no longer employed solvents for the primary cleaning of transmissions. Many violations noted at this inspection had been previously noted at

other inspections. The types of violations included improper storage and labeling of hazardous waste, failure to develop and implement personnel training programs and emergency contingency plans, and failure to make hazardous determinations on waste generated. Specific violations noted during the inspection include:

- Hazardous waste drums were not properly labeled with accumulation dates.
- The area designated for hazardous waste storage had not been regularly inspected and no inspection log was maintained. In addition, the area was not properly marked as a hazardous waste storage area and no emergency communication equipment was available.
- Hazardous waste determinations had not been made on the drums containing jet wash, asbestos/lead ash, or the trichloroethane; 13 drums that contained grease or a grease/water mixture; spent paint filters; spent naphtha; caustic liquid; dust generated by a grinding operation; and coolant water generated from the grinding operation.
- Delta did not supply the disposal facility with the appropriate land disposal requirements.
- Delta did not develop a hazardous waste management training plan for its employees or an emergency contingency plan that complied with the ADEM Administrative Code (ADEM 1992b).

As a result of the March 19, 1992, inspection of the Delta facility, ADEM issued Administrative Order No. 92-158-HW on August 7, 1992. This Administrative Order differed from the draft Order in that ADEM requested a revised schedule for submitting the groundwater quality assessment plan, closure and post closure plans, and post closure permit application; and a civil penalty of $40,000 was assessed (ADEM 1992b).

Gallet submitted the Groundwater Quality Assessment Report for the Delta site to ADEM on June 9, 1992. This report presented the results of field activities conducted through three sampling events in March, April, and May 1992. Included in these field activities were the installation of three new monitoring wells, including the collection of borehole soil samples, collection and analysis of groundwater samples from the four existing wells and the three new wells (including one background well and one well at the edge of the site in the downgradient direction), a soil gas survey, and the performance of aquifer (slug) tests. Analytes detected above MCLs during one or more sampling events

included chromium, iron, manganese, dichlorobromoethane; trichloroethylene; 1,1,2-trichloroethylene, and 1,1-dichloroethylene (Gallet, 1992b).

On October 5, 1992, Gallet submitted a revised Groundwater Quality Assessment outlining field activities conducted in August 1992. Results of the chemical analysis of groundwater revealed that acetone, cadmium, chromium, lead, zinc, and barium were detected above background levels in MW-9, and no constituents were detected above MCLs. Acetone, phenol, cadmium, lead, zinc, and barium were detected above background levels in MW-10, and chromium was detected above the MCL. Based on the results of the investigation, Gallet concluded that (1) contaminated soils and groundwater were present at the site; (2) off-site contaminant migration appeared to have occurred in the shallow aquifer; (3) the contaminant plume in the shallow aquifer may have extended offsite in the upgradient direction; (4) contamination appeared to have occurred in the deeper aquifer; and finally, (5) no immediate threat to human health or the environment existed because soils in the upper water-bearing zone were relatively impermeable and neither the upper or lower water-bearing zones were sources of drinking water in Sheffield (Gallet 1992c).

On August 31, 1992, ADEM issued a letter to Delta acknowledging receipt of submittals and certifications from Delta. These submittals included: (1) contingency and personnel training plans; and (2) certification of correct labeling of all waste containers, no waste accumulation greater than 90 days, the hazardous waste storage area met ADEM specifications, a hazardous determination for each waste stream, and all wastes have been correctly manifested and properly managed (ADEM 1992e).

ADEM conducted an inspection to determine compliance with the ADEM Administrative Code on October 28, 1992. ADEM observed several violations of the Administrative Code relating to proper labeling of waste and various administrative violations. Specific violations included:

- Satellite accumulation drums were not properly labeled.
- Delta did not have a copy of the 1991 Biennial Report at the facility.
- Delta did not have test results from paint filters.
- Delta did not have schedules for monitoring safety and emergency equipment.
- Hazardous waste training records were not properly maintained (ADEM 1992f).

Following the inspection, ADEM issued a warning letter on December 10, 1992, outlining the violations noted at the October 28, 1992, inspection. Delta was subsequently ordered to correct these violations and submit documentation of the corrections within 30 days (ADEM 1992f).

On January 6, 1993, ADEM issued an internal memorandum describing the findings of the October 28, 1992, inspection. In addition to listing violations noted, ADEM observed that the axle department had been sold to Dana Corporation and all processes were removed from the facility. ADEM also observed that Delta had labeled a 55-gallon drum as containing grinder waste but labeled it with waste codes D006 (cadmium), D007 (chromium), and D016 (2,4-D) (ADEM 1993a).

On May 10, 1993, ADEM responded to the Groundwater Quality Assessment Report submitted by Delta on October 7, 1992. In this letter, ADEM warned Delta that they had not adequately delineated the rate and extent of groundwater contamination. Specifically, ADEM was concerned that the upgradient well (MW-10) and the downgradient well (MW-9) were not screened in the same aquifer. ADEM also ordered additional sampling events during which each well would be sampled. Delta was subsequently ordered to submit a plan and schedule to delineate the extent and rate of groundwater contamination within 30 days (ADEM 1993a).

In June 1993, monitoring wells MW-11 and -12 were installed at the site. Both were completed as deep wells to monitor the deeper flow zone and provide information about flow direction. On July 7 and August 11, 1993, Gallet conducted sampling events at the direction of ADEM. Eight of the 11 existing wells were sampled during these events, including MW-3B, MW-5, MW-6, MW-7, MW-9, MW-10, MW-11, and MW-12 (Gallet 1994a).

On August 18, 1993, ADEM issued a response to Delta's June 11, 1993 letter concerning deficiencies in the Groundwater Quality Assessment Report dated May 10, 1993. ADEM's comments related to the presence of specific constituents in groundwater, the nature of groundwater flow, and recommendations for how Delta could successfully delineate the contaminant plume. Specifically, ADEM considered the site to be underlain by one aquifer (not two), consisting of an upper and lower aquifer zone, which have been in hydraulic communication, and that contamination had been introduced into the lower zone from the upper zone. ADEM concurred with Delta's assessment that zinc and barium were naturally occurring

constituents in groundwater at the site; however, ADEM believed that Delta's past operations have contributed to current levels of these metals and therefore proposed that sampling parameters should include barium and zinc. Delta had previously suggested that cadmium, chromium, phenol, lead, and several VOCs were introduced to the groundwater underlying the site by an off-site, upgradient source. ADEM concurred that these constituents may have been introduced by another source but that Delta also contributed to current constituent levels being observed. ADEM suggested that Delta install additional monitoring wells to demonstrate their belief that off-site contaminants have migrated onto their property. ADEM also proposed installing two additional monitoring wells to better delineate the extent of vertical contamination, and a dye trace study to determine the direction of contaminant migration. ADEM proposed to conduct five consecutive sampling events at intervals of no less than 30 days apart. ADEM expressed concern that Delta had failed to determine the rate and extent of groundwater contamination and that further enforcement could follow (ADEM 1993b).

On October 26, 1993, Maynard, Cooper, & Gale sent a letter to ADEM, clarifying Delta's position. Delta agreed that there is one aquifer with two flow zones; however, they did not believe that hydraulic conductivity existed between the two zones. Delta also agreed to analyze for barium and zinc, in addition to the other analytes, and agreed to perform a dye trace study (Maynard, Cooper, & Gale 1993).

On November 8, 1993, an ADEM compliance inspection revealed that hazardous determinations had been made on the majority of the waste streams. The residue generated in the oven from burning protective papers from transmissions was determined to be nonhazardous. The burning process had produced a residue that was characteristic for lead; however, Delta determined that certain transmissions carry leaded bands, and Delta no longer reconditioned those bands. The residue was determined to be nonhazardous by means of the TCLP test. Paint filters from the paint booth were tested and were determined to be nonhazardous. Wastewater from the jet washers had been tested and also determined to be nonhazardous. The only violation noted was that a waste determination had not been made for 10 55-gallon drums containing development water from monitoring wells MW-10 and MW-12 (ADEM 1993e).

On December 10, 1993, the groundwater branch of ADEM generated comments and recommendations regarding the Groundwater Quality Assessment Report dated October 25, 1993. The direction of groundwater flow was determined to be generally north-northwest for the shallow and deep flow zones.

Recommendations included: (1) water level data should be collected on a monthly basis because of prior conflicting data; (2) filtered and unfiltered groundwater samples should be collected for monitoring well MW-12 to determine if turbidity contributed to elevated levels of constituents; (3) specific conductivity and pH data should be collected during each sampling event; and finally, (4) assessment activities should be conducted to determine the rate and extent of groundwater contamination in accordance with ADEM Administrative Code R. 335-14-6-.06(4)(d)(4) (ADEM 1993g).

On January 12, 1994, ADEM responded to a letter from Maynard, Cooper, and Gale dated October 26, 1993. ADEM clarified its position concerning the presence of the two flow zones within the aquifer beneath the site. The two zones are separated by an aquitard and active communication had occurred between the two zones, as evidenced by the presence of such constituents as 1,1-dichloroethane in on-site shallow well MW-3 and on-site deep monitoring well MW-5D (yet undetected in upgradient shallow well MW-7 or upgradient deep well MW-10). Additional requirements from ADEM's groundwater branch included (1) collecting water level data on a monthly basis because of prior conflicting data; (2) collecting filtered and unfiltered groundwater samples for monitoring well MW-12 to determine if turbidity contributed to elevated levels of constituents; (3) measuring specific conductivity and pH during each sampling event; and (4) continuing assessment activities to determine the rate and extent of groundwater contamination, in accordance with ADEM Administrative Code R. 335-14-6-.06(4)(d)4 (ADEM 1994a).

ADEM issued an internal memorandum on January 18, 1994, and included a copy of ADEM's Comprehensive Monitoring Evaluation dated September 20, 1993. ADEM made several conclusions in their report, including: chromium was detected above its MCL in monitoring wells MW-2 and MW-4; lead was detected above its MCL in monitoring wells MW-2, MW-4, MW-11 and deep upgradient well MW-10; and VOCs were detected above MCLs in monitoring wells MW-2 and MW-5. The memo stated that Delta had successfully delineated the vertical and horizontal extent of the contaminant plume. ADEM was awaiting results from the dye trace study as the final requirement of the assessment (ADEM 1994b).

Gallet submitted the Groundwater Quality Assessment Update on January 31, 1994, the culmination of five sampling events from July through December 1993. The report provided results from groundwater

analyses and the dye trace study. Results of the dye trace study indicated that off-site shallow and deep flow zones of the Tuscumbia-Fort Payne aquifer were partially connected; however, Gallet concluded that there was no evidence to indicate that rapid flow occurs between the shallow and deep zones beneath the site (Gallet 1994a).

ADEM issued an internal memorandum dated April 5, 1994, concerning the revised Groundwater Quality Assessment Report dated January 31, 1994. ADEM concluded that Delta had proven that groundwater beneath the facility had been impacted from an off-site source; however, Delta's operations had also contributed to groundwater contamination at the site. Delta had met the basic requirements of ADEM Administrative Code R. 335-14-6-.06(4)(d)4 and no further assessment activities were required. Delta was to submit a corrective action plan to ADEM for approval (ADEM 1994c).

ADEM responded to a letter from Delta dated April 22, 1994, requesting an extension to the 180-day storage on April 28, 1994. Delta requested the extension for three drums of ash for which analytical results were suspected to be inaccurate. Delta, as a precaution, planned to handle the waste as hazardous and was waiting for Chem Waste to determine the appropriate method of treatment. ADEM granted Delta a 30-day extension to its 180-day on-site accumulation period (ADEM 1994d).

On June 15, 1994, Delta notified ADEM of its intention to build a corrective action management unit (CAMU), at the facility, as outlined in Administrative Code 335-14-5-.19. The technical approach was to excavate contaminated soils and place them in the CleanSoils, Inc. unit, which subjected the soils to steam heat and pressure to force VOC contaminants from the soil. The soils would then be returned from where they were excavated, compacted, and finally covered with engineering fill and a concrete slab. Confirmation sampling was planned to determine the depth of excavation. Delta emphasized that this method would provide a more environmentally beneficial form of permanent closure, an expedited closure schedule; and a more cost-effective method of closure (Delta 1994a).

In response to Delta's CAMU proposal, ADEM notified Delta on June 29, 1994, that the closure appeared feasible, but that Delta's original closure plan and post closure permit application should be revised (ADEM 1994e).

On August 1, 1994, EPA issued a letter to ADEM stating its tentative decision that Delta's Groundwater Quality Assessment Report did not meet regulatory requirements set forth in 40 Code of Federal Regulations 265.93 and 270.14 (c), regarding delineation of extent and rate of contaminant migration, magnitude of the contaminant plume, and direction and rate of groundwater flow. EPA suggested that Delta conducts an additional groundwater investigation, and ADEM did not approve Delta's Groundwater Quality Assessment Report pending further EPA review (EPA 1994).

On September 9, 1994, ADEM issued a letter to EPA with the enclosures requested in EPA's August 1, 1994, letter. The letter was regarding EPA's concern as to whether Delta had met appropriate regulatory requirements. ADEM stated that Alabama gained authorization in 1987 to administer its own hazardous waste program and as a result, federal hazardous waste rules were suspended in Alabama and were replaced by Division 14 of the ADEM Administrative Code. ADEM stated that it was convinced that Delta had complied with the basic requirements of the Administrative Code (ADEM 1994i).

ADEM conducted an operations and maintenance (O&M) inspection at the Delta facility on August 30 and 31, 1994. The purpose of the O&M inspection was to observe facility sampling procedures, inspect O&M records, and determine the effectiveness of the groundwater monitoring system. The main areas of concern included deficiencies in the Sampling and Analysis Plan; and the detection of VOCs in the uppermost aquifer beneath the facility. VOCs were detected in groundwater samples up to 175 ppb. ADEM concluded that groundwater in the upper and lower flow zones of the Tuscumbia-Fort Payne aquifer had been impacted from operations at the facility and that corrective action measures should be enacted to avoid further contaminant migration (ADEM 1994j).

Gallet presented the results of their November 1994, sampling event in the Quarterly Groundwater Sampling and Analysis Report dated February 6, 1995. One analyte (benzene) was detected above its MCL, at a concentration of 0.009 parts per million (ppm) in groundwater samples. Many other analytes were detected above background levels including: barium; chromium; lead; zinc; chloroethane; chloroform; 1,1-dichloroethane; 1,1,1-trichloroethane; and trichloroethylene. Based on the analytical results, the concentrations of VOCs were greatest in the area of monitoring wells MW-3B and MW-5. Gallet concluded that a contaminant plume was present in the shallow flow zone of the Tuscumbia-Fort Payne Aquifer at this location, with the upgradient boundary occurring between locations of monitoring

wells MW-1 and MW-3B, and the downgradient boundary occurring off site between the locations of monitoring wells MW-6 and MW-9. The vertical extent of contamination in the shallow flow zone appeared to extend to a depth of 30 feet bgs. Several VOCs were detected in the deeper flow zone, although none were detected above MCLs. Gallet further concluded that no immediate impacts to human health or the environment appeared to exist because water in the Tuscumbia-Fort Payne aquifer did not serve as a drinking water source for the Sheffield area, and contaminant migration was expected to be slow because of low permeability soils in the upper flow zone. Gallet also concluded, based on the presence of benzene at concentrations above MCLs in monitoring well MW-10 (deep, upgradient well) and the presence of VOCs in monitoring well MW-7 (shallow, upgradient well), that off-site contamination sources were impacting the site (Gallet 1995a).

On May 2, 1995, Gallet presented the results of their February sampling event in the Quarterly Groundwater Sampling and Analysis Report. No analytes were detected above MCLs; however, barium; chromium; lead; zinc; 1,1-dichloroethane; 1,1,1-trichloroethane; and trichloroethene were detected above background levels. Because concentrations of VOCs were greatest in the area of monitoring wells MW-3B and MW-5, Gallet concluded that a contaminant plume was present in the shallow flow zone of the Tuscumbia-Fort Payne Aquifer at this location, with the upgradient boundary near monitoring wells MW-1 and MW-3B and the downgradient boundary occurring off site near monitoring wells MW-6 and MW-9. The vertical extent of contamination in the shallow flow zone appeared to extend to a depth of 30 feet bgs. Several VOCs were detected in the deeper flow zone, although none were detected above MCLs. Gallet further concluded that no immediate impacts to human health or the environment appeared to exist because the Tuscumbia-Fort Payne aquifer is not a drinking water source for the Sheffield area, and contaminant migration was expected to be slow because of low-permeability soils in the upper flow zone (Gallet 1995b).

Gallet submitted the Annual Groundwater Monitoring Report for the Delta facility on August 11, 1995. This report summarizes results of quarterly sampling events from August and November 1994 and February and May 1995. The sampling events through February 1995 were summarized in quarterly reports. The results of the May 1995 sampling event were presented in this report. Aluminum; barium; lead; zinc; 1,1-dichloroethane; and 1,1,1-trichloroethane were all detected above background levels but below MCLs. Benzene was the only constituent detected above MCLs in the deep flow zone, and was

found in the upgradient deep monitoring well MW-10. Results show that 1,1-dichloroethane and 1,1,1-trichloroethane were detected above background levels in the area of nested monitoring wells MW-3B, MW-5, and MW-11. Based on the results, it appeared that on-site contamination was located in that area. Gallet recommended that quarterly monitoring was appropriate for the site (Gallet 1995c).

ADEM conducted an O&M inspection and groundwater split sampling from September 11 to 13, 1995 with the purpose of observing sampling procedures, inspecting O&M records, and evaluating the effectiveness of the groundwater monitoring system. Numerous deficiencies were noted in Delta's Sampling and Analysis Plan, although actual sampling of monitoring wells was conducted in accordance with RCRA protocols, and the monitoring wells were well maintained (ADEM 1996a).

Gallet submitted a Quarterly Groundwater Sampling and Analysis Report on October 27, 1995, presenting the results of the September 1995 sampling event. One analyte, lead, was detected above MCLs; however, several other analytes were detected above background levels, including: aluminum; barium; chromium; trichloroethene; 1,1-dichloroethane; and 1,1,1-trichloroethane. Chloroform was detected in upgradient, shallow monitoring well MW-7. Based on the analytical results, VOC concentrations were greatest in the area of monitoring wells MW-3B and MW-5 (Gallet 1995d).

ADEM issued a letter to Delta on January 23, 1996, with comments regarding the 1994 Annual Groundwater Monitoring Report and the fourth 1995 Quarterly Groundwater Sampling and Analysis Report. ADEM also indicated that clean closure under a risk-based scenario, as requested in the January 3, 1993 letter from Gallet, was not possible because of unacceptable concentrations of some groundwater constituents. Based on the results of sampling activities, ADEM recommended that quarterly groundwater sampling continue until final closure (ADEM 1996b).

On March 19 and 20, 1996, as directed by ADEM, Gallet collected groundwater samples from eight wells, including monitoring wells MW-3B, MW-5, MW-6, MW-7, MW-9, MW-10, MW-11, and MW-12. Gallet presented the results of the March 1996 sampling event in the Quarterly Groundwater Sampling Report, submitted shortly thereafter. Two analytes were detected in concentrations above MCLs, lead was detected at a concentration of 23 ppb in MW-11, and 1,1-dichloroethene was present at a concentration of 81 ppb in MW-5. Other analytes were detected at concentrations above background

concentrations but below MCLs including: aluminum; barium; chromium; zinc; 1,1-dichloroethane; 1,1,1-trichloroethane; and trichloroethene (Gallet 1996a).

On September 24, 1996, Gallet collected groundwater samples from eight monitoring wells including monitoring wells MW-3B, MW-5, MW-6, MW-7, MW-9, MW-10, MW-11, and MW-12 (Gallet 1997a). ADEM was also present to conduct a comprehensive monitoring evaluation. The comprehensive inspection was conducted to determine if the facility was complying with federal and state groundwater monitoring regulations and standards (ADEM 1996f).

On October 25, 1996, ADEM issued a letter to Delta serving two purposes: informing Delta that their corrections concerning ADEM's noncompliance warning dated September, 12, 1996, appeared to be adequate and to inform Delta that the EPA ID number for Bancon, Inc., had been revoked. No information was available concerning ADEM's noncompliance warning or Delta's response. Bancon's EPA ID number was revoked, because ADEM concluded that Bancon and Delta appeared to be the same company operating at the same address and using the same employees. ADEM stated that Bancon should use Delta's EPA ID number (ADEM 1996e).

Gallet submitted a Risk Assessment report on August 29, 1996. Based on sampling activities associated with the risk assessment, it was determined that soil in the vicinity of SWMUs 9 and 12 was contaminated with metals and VOCs. Analytes detected in surface soils included: isopropylbenzene; naphtha; n-propylbenzene; tetrachloroethene; 1,2,4-trichlorobenzene; 1,2,4-trimethylbenzene; 1,3,5-trimethylbenzene; xylene; sec-butylbenzene; 1,1-dichloroethane; cis-1,2-dichloroethene; 4-isopropyltoluene; trichloroethene; arsenic; barium; chromium; lead; and silver. Analytes detected in subsurface soils include; isopropylbenzene; naphtha; tetrachloroethene; 1,2,4-trichlorobenzene; 1,2,4-trimethylbenzene; 1,3,5-trimethylbenzene; xylene; sec-butylbenzene; 4-isopropyltoluene; 2-butanone; 1,2-dichloroethene; 1,3-dichloroethene; 1,4-dichloroethene; chlorobenzene; 1,1-dichloroethane; 1,1,2,2-tetrachloroethane; arsenic; barium; chromium; lead; and silver (Gallet, 1996b).

Chemical analysis of groundwater samples collected in the September 1996 sampling event indicated that aluminum; barium; cadmium; chromium; lead; zinc; chloroform; 1,1-dichloroethane; 1,1-dichloroethene; and 1,1,1-thrichlorethene were detected in groundwater samples during the September

1996 sampling event. One analyte, 1,1-dichloroethene, was detected above its MCL. Gallet concluded that on-site contamination appeared to exist in the area of nested monitoring wells MW-3B, MW-5, and MW-11. Because groundwater from the Tuscumbia-Fort Payne Aquifer is not used for drinking water, no health-risk to human health or the environment appeared to exist (Gallet 1997a).

On June 9, 1997, Gallet presented the results of the March 1997 sampling event in the Semi-Annual Groundwater Sampling and Analysis Report. Aluminum: barium; 1,1-dichloroethane; 1,1,1-trichloroethane; and trichloroethene were detected above background levels. Cadmium and 1,1-dichloroethene were both detected at concentrations above MCLs. Metal and VOC concentrations appeared to be highest in the area of nested monitoring wells MW-5 and MW-11. Although several constituents were present, Gallet concluded that no immediate threat to human health and the environment appeared to exist. This was partially because of the low permeability of the soils in the upper flow zone, which would slow contaminant migration. Also, appropriate closure actions, including a cap over the contaminated area, would minimize infiltration into the area, preventing downward contaminant migration. In addition, groundwater from the Tuscumbia-Fort Payne Aquifer was not a source of drinking water for the Sheffield, Alabama, area. Gallet's final conclusion was that contamination appeared to exist from an off-site source impacting on-site groundwater (Gallet 1997b). ADEM presented the results of the November 24, 1996, sampling event in the Comprehensive Monitoring Evaluation Report in an internal memorandum on June 9, 1997. Barium; cadmium; mercury; silver; 1,1,1-trichloroethane; 1,1-dichloroethane; 1,1-dichloroethylene; 1,2-dichloroethane; chloroform; dichloromethane; and trichloroethylene were all detected in groundwater samples. ADEM concluded that all operating records required at the site were in order, and the current monitoring well system appeared to be adequate for monitoring groundwater at the site, and Closure and Post Closure Plans were pending department approval, along with a risk-based approach to post-closure (ADEM 1997a).

On June 13, 1997, ADEM submitted a letter to Delta stating that contamination levels were too high to support a risk-based clean closure of the site requiring no further action. ADEM did agree that risk assessment findings did not support removal or active remediation of on-site soils or groundwater at this time. As proposed by Delta in the risk assessment and the June 9, 1997 report, Delta was to place a protective cap over the contaminated area and continue groundwater monitoring. These activities were to be conducted in accordance with requirements of the Alabama Hazardous Wastes Management and

Minimization Act through a closure plan and a post closure permit. On August 22, 1997, Delta submitted a closure plan outlining the construction of the protective cap (Delta 1997). Delta submitted a revised closure and post-closure permit application on February 5, 1998, to reflect the above changes (ADEM 1997b).

On March 13, 1998, ADEM issued a warning letter to Delta concerning a lack of cooperation in providing Tetra Tech with necessary information to complete the RFA. In addition, Delta had not submitted the Semi-annual Groundwater Monitoring Report due on March 1, 1998. Delta was given 15 days to comply with these requests (ADEM 1998).

2.6 RELEASE HISTORY (The following sections were moved from 4.9 and 4.12 respectively)

There have been two documented releases of hazardous materials at the Delta facility. The first release occurred in the former spent petroleum naphtha and MEK drum storage area (SWMU 9) in the late 1970's. In this incident, an unknown amount of spent petroleum naphtha and MEK leaked from several 55-gallon drums directly onto the ground surface. The second documented release occurred in the former spent mineral spirits drum storage area (SWMU 12) in 1989. During this release an unknown amount of spent mineral spirits leaked from several 55-gallon drums directly onto the ground surface.

2.6.1 Release Form the Former Spent Petroleum Naphtha and MEK Drum Storage Area

It is unknown whether this release was a one-time release or a continuous release; however, judging from descriptions of the manner in which the drums were stored, there was potential for the release to be ongoing. Information is not available as to how long the drums had been staged in the area or from what process the contents were generated. Reportedly, a forklift punctured a drum, causing ground contamination, which was not cleaned up but allowed to remain in place. Stained soil was noted by ADEM at an inspection on April 11, 1989 (ADEM 1989b). This area of release, near monitoring wells 3B, 5, and 11, is the primary concern at the Delta facility.

The area of soil contamination was successfully delineated through surface and subsurface soil sampling for the Contamination Assessment Report in 1990 and the Risk Assessment in 1996. It was determined

from the Risk Assessment that the facility wide health risk associated with dermal contact with soils and inhalation of particulates and vapors is greater than what is generally acceptable (Gallet 1996b).

Remedial actions performed at this SWMU include the removal of the drums and their contents, contamination assessment reports (which included the collection and analysis of soil samples and the installation of monitoring wells and the collection and analysis of groundwater samples), and groundwater quality assessment reports (which included the collection and analysis of groundwater samples).

The initial remedial action taken was the removal of the drums from the area. Safety Kleen was contracted by Delta to remove the drums and their contents in 1989 (Delta 1998a).

In accordance with a notice of violation issued to Delta by ADEM dated May 16, 1989, among others, Delta was ordered to conduct a soil sampling event at two drum storage locations and analyze the samples for halogenated/nonhalogenated solvents. Subsequent to ADEM's order, Mid-South collected and analyzed soil samples. Copies of the sampling results indicate that 21 soil samples, including 9 from a depth of 0 to 6 inches, 6 from a depth of 12 to 18 inches, and 6 from a depth of 18 to 24 inches; two drum sludge samples; and two samples containing fiberboard were collected (Mid-South 1989).

The results of the chemical analysis of the soil samples collected by Mid-South indicate that the soil at a depth of 0 to 6 inches bgs in the vicinity of SWMU No. 9 was contaminated with: 1,1,1-trichloroethane; trichloroethylene; toluene; MEK; MIBK; and xylene. Soil from the 6- to 12-inch bgs interval was contaminated with MIBK and trichloroethylene. Soil from the 12- to 18-inch bgs interval was determined to be contaminated with: toluene; MEK; 1,1,1-trichloroethane; and carbon tetrachloride. Soil from the 18- to 24-inch bgs interval was contaminated with toluene and trichloroethene (Mid-South 1989).

On June 12, 1990, 14 soil borings were drilled and soil samples collected and analyzed by Gallet, culminating in a Contamination Assessment Report dated August 15, 1990. Locations for soil borings and samples are presented in Figure 3. In the vicinity of SWMU 9, Gallet reported detection of 2-butanone, ethylbenzene, and xylene at a depth of 5 feet bgs; acetone, 2-butanone, 1,1,1-trichloroethane,

ethylbenzene, and xylene at a depth of 10 feet bgs; and 2-butanone at a depth of 15 feet bgs (Gallet 1990).

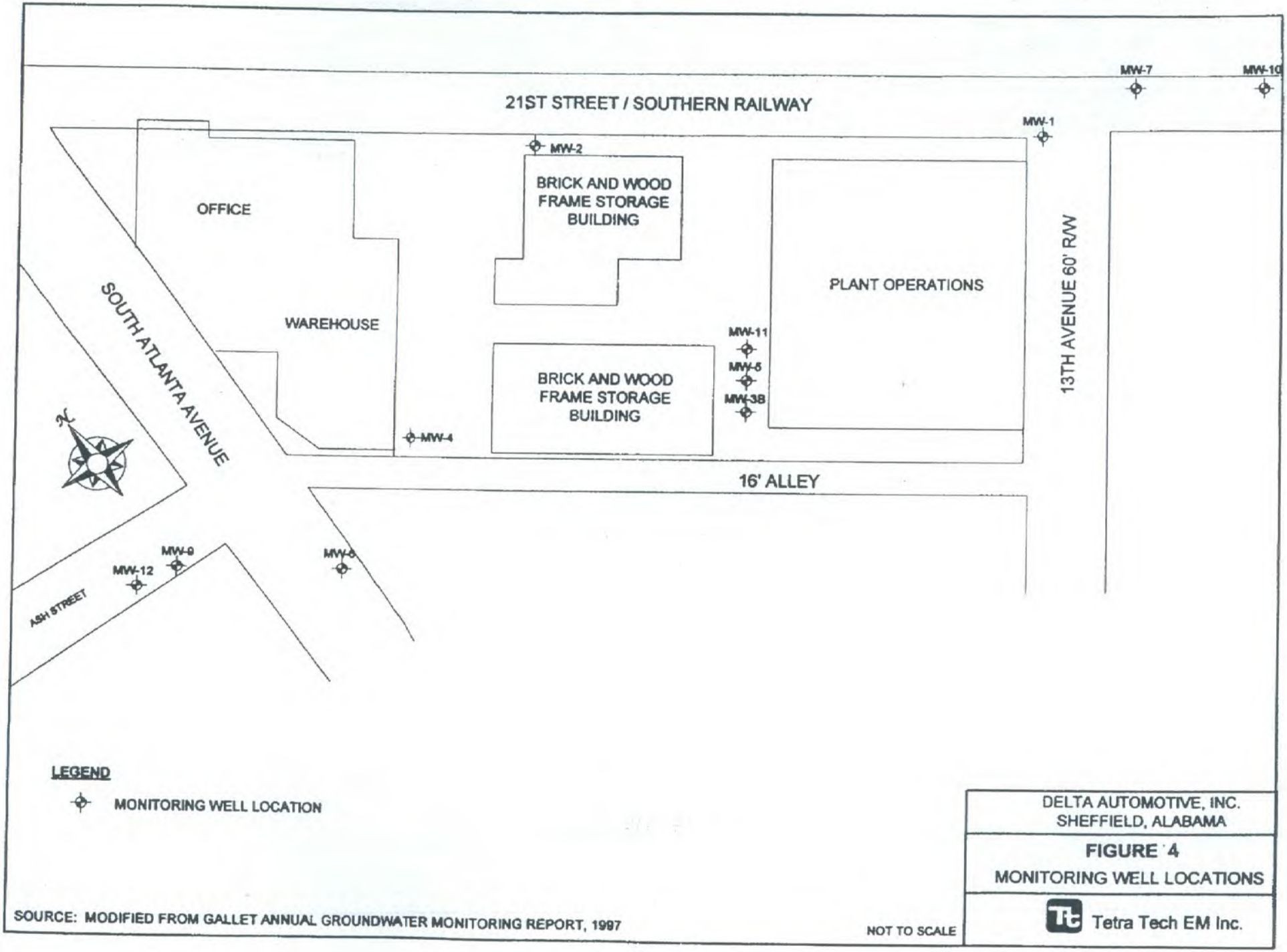
As a result of the contamination report, Delta retained Gallet to conduct a groundwater contamination report. From May 7 through 10, 1991, Gallet installed four temporary monitoring wells and four permanent monitoring wells. The temporary monitory wells were installed to help determine groundwater flow. Gallet collected nine soil samples and four groundwater samples to be analyzed for VOCs (Gallet 1991a).

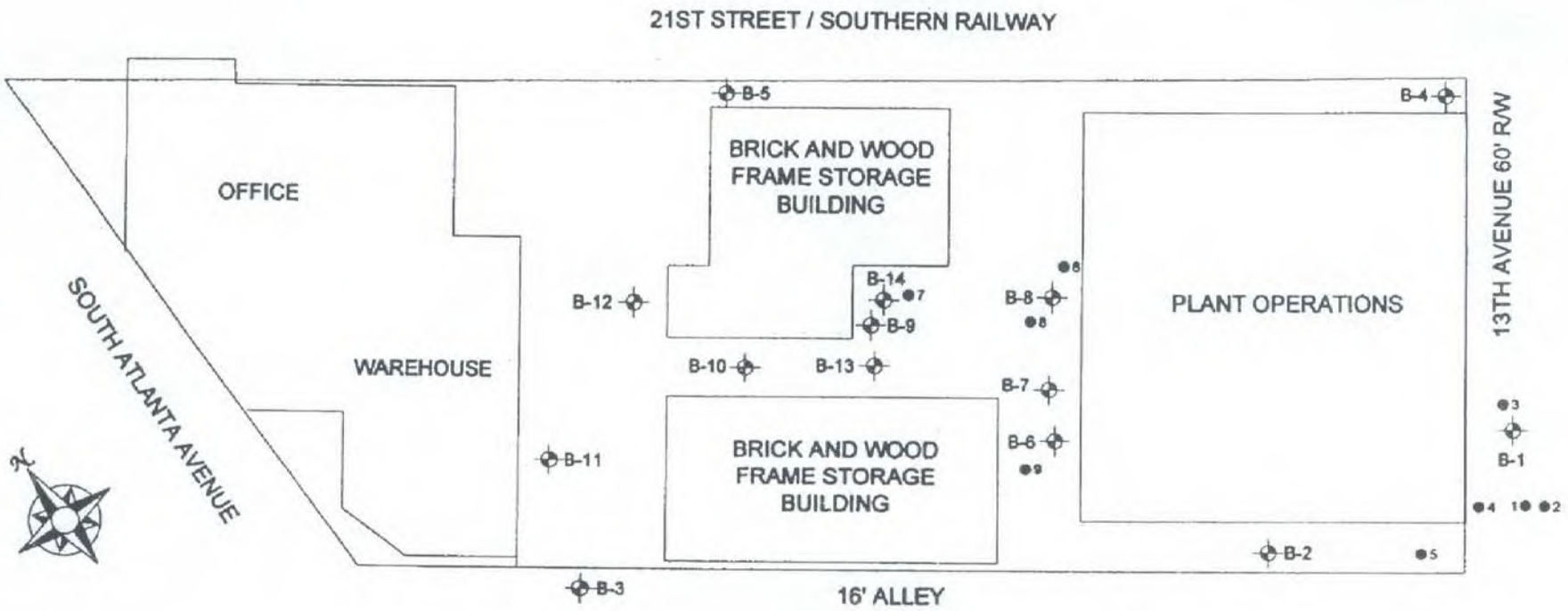
Two soil borings were drilled in the vicinity of SWMU 9, and one (W-3B) was converted into a monitoring well. Results of the soil sampling show soil contamination at the soil/groundwater interface, at SWMU 9, and on the west-southwestern portion of the site. Chloroform was detected in soil samples at the soil/groundwater interface in the vicinity of SWMU 9 at 12 ppb in both samples. Monitoring well MW-3B was installed in the vicinity of SWMU 9 and groundwater from this well showed evidence of contamination from VOCs. Analytes detected include: 1-1-dichloroethane (99 ppb), 1-1-dichloroethylene (44 ppb); 1-1-1-trichloroethane (630 ppb); and 1-2- dichloroethylene (18 ppb) (Gallet 1991a).

From its investigation, Gallet made several conclusions and recommendations. They concluded that contamination appeared to be associated with two areas, one at SWMU 9, and the other about 40 feet north of SWMU 9. Gallet also concluded soil and groundwater contamination existed upgradient of the site. During periods of high groundwater levels (less than 10 feet bgs), Gallet concluded that groundwater is in direct communication with subsurface soil contamination, allowing migration of VOC constituents (Gallet 1991a).

Gallet submitted the Groundwater Quality Assessment Report for the Delta Site to ADEM on June 9, 1992. This report presented the results of field activities conducted through three sampling events in March, April, and May 1992. Included in these field activities were: the installation of three new monitoring wells, which included the collection of borehole soil samples; collection and analysis of groundwater samples from the four existing wells and three new wells, including one background well and one well at the edge of the site in the downgradient direction; a soil gas survey; and the performance

of aquifer (slug) tests. One of the new wells, MW-5, was installed in the vicinity of SWMU No. 9 and monitors the deep zone. Figure 4 presents the locations of the monitoring wells.


21ST STREET / SOUTHERN RAILWAY
MW-7
MW-10
MW-1
MW-2
OFFICE
BRICK AND WOOD FRAME STORAGE BUILDING
PLANT OPERATIONS
13TH AVENUE 60' R/W
SOUTH ATLANTA AVENUE
WAREHOUSE
MW-11
MW-5
MW-3B
BRICK AND WOOD FRAME STORAGE BUILDING
MW-4
16' ALLEY
MW-9
MW-12
MW-8
ASH STREET
LEGEND
MONITORING WELL LOCATION
DELTA AUTOMOTIVE, INC.
SHEFFIELD, ALABAMA
FIGURE 4
MONITORING WELL LOCATIONS
Tetra Tech EM Inc.
SOURCE: MODIFIED FROM GALLET ANNUAL GROUNDWATER MONITORING REPORT, 1997
NOT TO SCALE



LEGEND

●7 SURFACE SOIL SAMPLING LOCATION
⊕B-3 SUBSURFACE SOIL SAMPLING LOCATION

SOURCE: MODIFIED FROM GALLET CONTAMINATION ASSESSMENT REPORT, 1990

NOT TO SCALE

DELTA AUTOMOTIVE, INC.
SHEFFIELD, ALABAMA

FIGURE 3

SOIL SAMPLING LOCATIONS

Tetra Tech EM Inc.

No numeric results were available; however, results were reported as non-detect, above background level, or above MCL. Several VOCs and metals were detected above background levels in monitoring wells MW-3B, MW-5, MW-6, and MW-9. Chromium was the sole analyte detected above its MCL in MW-3B and MW-10. Dichlorobromomethane and 1,1-dichloroethylene were detected above MCLs in MW-5. 1,1,2-trichloroethane and trichloroethylene were detected above MCLs in MW-6.

No analytes were detected above background levels in MW-7, and no analytes were detected above MCLs in MW-9 (Gallet 1992b).

Gallet made some conclusions concerning the site based on this investigation and previous investigations. Gallet concluded that contaminated soils and groundwater were present at the site, and off-site migration in the shallow aquifer. Contamination also appears to have occurred in the deeper aquifer (Gallet 1992b).

Gallet submitted the Groundwater Quality Assessment Update on January 31, 1994, the culmination of five sampling events from July through December 1993. Additional monitoring wells were installed at the site, including MW-11, a deep monitoring well in the vicinity of SWMU 9. Analytes were detected above background levels in all monitoring wells. Chromium was detected above MCLs in MW-3B, MW-5, and MW-12 in concentrations ranging from 140 to 720 ppb. Cadmium was detected above MCLs in MW-6, MW-11, and MW-12, in concentrations ranging from 6 to 55 ppb. Lead was detected above MCLs in MW-6 and MW-12 in concentrations of 15 and 330 ppb. Arsenic was detected above MCLs in MW-12 at a concentration of 56 ppb. The report provided results of the chemical analysis of groundwater samples and outlined the findings of the dye-tracing test. The results of the dye trace analysis indicated that off-site shallow and deep flow zones of the Tuscumbia-Fort Payne Aquifer were partially connected; however, Gallet concluded that no evidence existed to indicate that rapid flow occurs between the shallow and deep zones beneath the site (Gallet 1994a).

Gallet submitted a Quarterly Groundwater Sampling and Analysis Report, dated November 29, 1994, which presented the results of the August 1994 sampling event. Many analytes were detected above background levels, including: arsenic; barium; chromium; lead; zinc; chloroethane; 1,1-dichloroethane; 1,2-dichloroethane; 1,1,1-trichloroethane; isopropylbenzene; and trichloroethylene (Gallet 1994b).

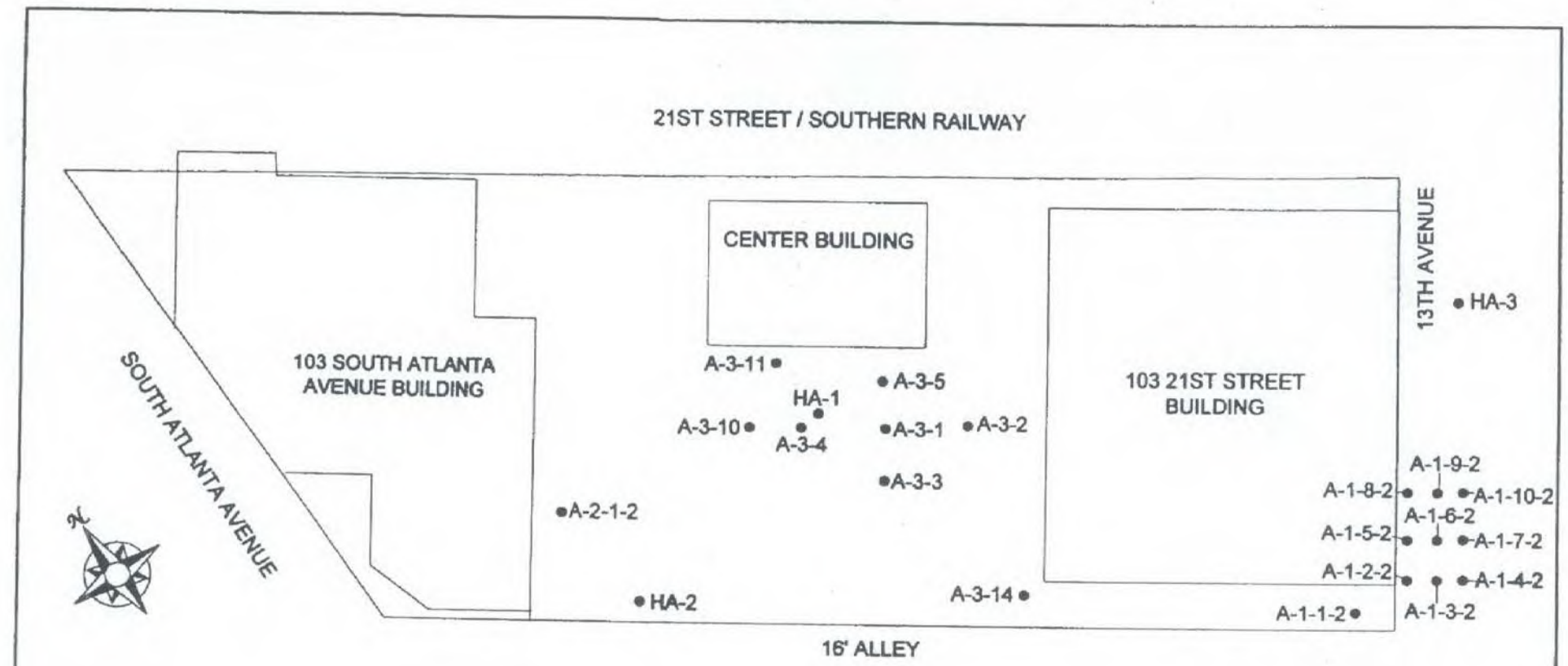
Gallet presented the results of their November 1994 sampling event in the Quarterly Groundwater Sampling and Analysis Report dated February 6, 1995. One analyte (benzene) was detected above MCLs at a concentration of 0.009 ppm in groundwater samples (Gallet 1995a).

Gallet made conclusions concerning the boundary and migration potential of the plume. Based on the analytical results, the concentrations of VOCs were greatest in the area of monitoring wells MW-3B and MW-5, which are in the vicinity of where the release occurred. Based on this, Gallet concluded that a contaminant plume was present in the shallow flow zone of the Tuscumbia-Fort Payne Aquifer at this location, with the upgradient boundary occurring between locations of monitoring wells MW-1 and MW-3B and the downgradient boundary occurring off site between the locations of monitoring wells MW-6 and MW-9. The vertical extent of contamination in the shallow flow zone appeared to extend to a depth of 30 feet bgs. Several VOCs were detected in the deeper flow zone, although none were detected above MCLs. Gallet further concluded that no immediate impacts to human health or the environment appeared to exist because water in the Tuscumbia-Fort Payne Aquifer did not serve as a drinking water source for the Sheffield, Alabama area and contaminant migration was expected to be slow because soils in the upper flow zone are relatively slow (Gallet 1994b).

Gallet also concluded, based on the presence of benzene at concentrations above MCLs in monitoring well MW-10 (deep, upgradient well) and the presence of VOCs in monitoring well MW-7 (shallow, upgradient well), that off-site contamination sources were impacting the site (Gallet 1995a).

Gallet submitted the Annual Groundwater Monitoring Report for the Delta facility on August 11, 1995. This report summarizes results of quarterly sampling events from August and November 1994, and February and May 1995. The sampling events through February 1995 were summarized in quarterly reports. The results of the May 1995 sampling event were presented in this report. Several analytes including; aluminum; barium; chromium; lead; zinc; 1,1-dichloroethane; 1,1-dichloroethene; chloroform; trichloroethene; trichloroethylene; and 1,1,1-trichloroethane were all detected above background levels in monitoring wells during sampling 1995 sampling events. Lead was detected above its MCL in MW-6 (Gallet 1995c).

As part of a risk assessment, Gallet advanced 8 auger borings and 11 hand-auger borings on September 11 through 15, 1995. The auger borings were advanced to depths ranging from 17 to 32 feet bgs, and the hand augers were advanced to a depth of 2 feet bgs. All samples were analyzed for VOCs, and five samples were analyzed for metals. On August 2, 1996, three additional hand-auger borings were advanced to a depth of 1-foot bgs. These samples were analyzed for VOCs and metals. Figure 5 shows auger sampling locations. Several VOCs and metals were detected in the soil samples (Gallet, 1996b).



LEGEND

A SOIL SAMPLES COLLECTED ON 9/14&15/95
H SOIL SAMPLES COLLECTED ON 8/2/96

SOURCE: MODIFIED FROM GALLET RISK ASSESSMENT, 1996

NOT TO SCALE

DELTA AUTOMOTIVE, INC.
SHEFFIELD, ALABAMA

FIGURE 5
SOIL SAMPLING LOCATIONS
ASSOCIATED WITH THE RISK ASSESSMENT

Tetra Tech EM Inc.

Based on sampling activities associated with the risk assessment, it was determined that soil in the vicinity of SWMU 9 has been contaminated with metals and VOCs. The area of contamination has been appropriately delineated through soil sampling performed for the contamination assessment, submitted in 1990, and the soil sampling associated with the risk assessment.

Gallet submitted the 1996 Annual Groundwater Monitoring Report to ADEM on February 12, 1997. The report detailed the findings of the March and September 1996 sampling events. In the March sampling results, two analytes were detected in concentrations above MCLs, lead was detected at a concentration of 23 ppb in MW-11, and 1,1-dichloroethene was present at a concentration of 81 ppb in MW-5. Other analytes were detected at concentrations above background concentrations but below MCLs, including: aluminum; barium; chromium; zinc; lead; cadmium; 1,1-dichloroethene; chloroform; trichloroethene; 1,1-dichloroethane; and 1,1,1-trichloroethane (Gallet 1997a).

Based on the results of the analysis of groundwater samples, Gallet made several conclusions. The concentrations of VOCs were greatest in the area of monitoring wells MW-3B and MW-5. Based on this, Gallet concluded that a contaminant plume was present in the shallow flow zone of the Tuscumbia-Fort Payne Aquifer at this location, with the upgradient boundary occurring between locations of monitoring wells MW-1 and MW-3B and the downgradient boundary occurring off site between the locations of monitoring wells MW-6 and MW-9. The vertical extent of contamination in the shallow flow zone appeared to extend to a depth of 30 feet bgs. Several VOCs were detected in the deeper flow zone above background concentrations, and 1,1-dichloroethene was detected above its MCL. Gallet also concluded, based on the fact that VOCs had been detected in both upgradient monitoring wells (MW-7 and MW-10), that an off-site source of contamination existed. Gallet further concluded that no immediate impacts to human health or the environment appeared to exist because water in the Tuscumbia-Fort Payne Aquifer did not serve as a drinking water source for the Sheffield, Alabama area, and contaminant migration was expected to be slow because soils in the upper flow zone are relatively slow (Gallet 1996a).

On June 9, 1997, Gallet presented the results of the March 1997 sampling event in the Semi-Annual Groundwater Sampling and Analysis Report. Aluminum; barium; cadmium; chromium; lead; zinc; 1,1-

dichloroethane; 1,1-dichloroethene; 1,1,1-trichloroethane; and trichloroethene were detected above background levels. Cadmium and 1,1-dichloroethene were both detected at concentrations above MCLs (Gallet 1997b). Based on the analytical results, Gallet made several conclusions. Metal and VOC concentrations appeared to be highest in the area of nested monitoring wells MW-5 and MW-11. Although several constituents were present, no immediate threat to human health and the environment existed. This was partially because of the low permeability of the soils in the upper flow zone, which would slow contaminant migration. Also, appropriate closure actions, including a cap over the contaminated area, would minimize infiltration into the area, preventing downward contaminant migration. In addition, groundwater from the Tuscumbia-Fort Payne Aquifer was not a source of drinking water in the Sheffield, Alabama, area. Gallet's final conclusion was that contamination appeared to exist from an off-site source, impacting on-site groundwater (Gallet 1997b).

Through Gallet's groundwater sampling efforts, they determined that groundwater flow in both the deep and shallow flow zones varied somewhat in direction but was generally in a north to northwest direction. The monitoring well network is therefore not appropriate to fully monitor the site and determine the potential for off-site contaminant migration.

Based on the PR and VSI, closure activities have been ongoing. Delta's Post Closure Permit Application is currently under review by ADEM. The area between the 1301 21st Street building and the 103 South Atlanta Avenue building is to capped with a concrete cap and a building will be erected in this area.

2.6.2 Release From the Former Spent Mineral Spirits Drum Storage Area

During this release an unknown amount of spent mineral spirits leaked directly onto the ground surface. Delta's initial remedial action was to remove the drums from this area. Safety Kleen removed the drums from this area at the same time as the drums from SWMU 9 were removed in 1989 (Delta 1998c).

Remedial actions performed at this SWMU include contamination assessment reports (which included the collection and analysis of soil samples and the installation of monitoring wells and the collection and analysis of groundwater samples) and groundwater quality assessment reports (which included the collection and analysis of groundwater samples).

In accordance with the Notice of Violation issued to Delta by ADEM dated May 16, 1989 (among others), Delta was ordered to conduct a soil sampling event at two drum storage locations and analyze the samples for halogenated/nonhalogenated solvents. Subsequent to ADEM's order, Mid-South collected and analyzed soil samples. Copies of the sampling results indicate that 21 soil samples, including 9 from a depth of 0 to 6 inches, 6 from a depth of 12 to 18 inches, and 6 from a depth of 18 to 24 inches, two drum sludge samples; and two samples containing fiberboard were collected on June 16, 1989 (Mid-South 1989).

The results of the chemical analysis of the soil samples collected by Mid-South indicate that the soil at a depth of 0 to 6 inches bgs in the vicinity of SWMU 12 was contaminated with: benzene; bromobenzene; ethylbenzene; isopropylbenzene; 1,1,1-trichloroethane; trichloroethylene; toluene; MEK; MIBK; and xylene. Soil from the 12 to 18 inch bgs interval was determined to be contaminated with benzene, styrene, toluene, and MEK. Soil from the 18 to 24 inches bgs interval was contaminated with toluene and trichloroethene (Mid-South 1989).

On June 12, 1990, 14 soil borings were drilled and soil samples collected and analyzed by Gallet, culminating in a Contamination Assessment Report dated August 15, 1990. In the contamination report in the vicinity of SWMU 12, Gallet reported no subsurface contamination in the vicinity of SWMU 12 (Gallet 1990).

Results of the groundwater investigations are presented in the Remedial Action Taken section of SWMU 9. As part of a risk assessment, Gallet advanced 8 auger borings and 11 hand-auger borings on September 11-15, 1995. The auger borings were advanced to depths ranging from 17 to 32 feet bgs, and the hand-augers were advanced to a depth of 2 feet bgs. All samples were analyzed for VOCs and five samples were analyzed for metals. On August 2, 1996 three additional hand-auger borings were advanced to a depth of 1-foot bgs. These samples were analyzed for VOCs and metals. Figure 4 shows auger sampling locations.

Results of the chemical analysis of soil samples indicate that soils in this area are contaminated with VOCs. Several analytes including: benzene; bromobenzene; ethylbenzene; isopropylbenzene; styrene;

1,1,1-trichloroethane; trichloroethene; trichloroethylene; toluene; MEK; MIBK; and xylene were detected in surface soils in the vicinity of SWMU 12. The highest concentration detected in soils was MIBK at a concentration of 6.898 parts per billion (ppb). It is unclear whether these samples were analyzed for metals. It appears that the area of contamination has been delineated at this SWMU. Levels of VOCs do not exceed Region 3 risk-based guidance concentrations, and thus soil in this area does not appear to pose a significant threat; however, based on the presence of metals in soil at SWMU 9, soil samples should be analyzed for metals.

3.0 ENVIRONMENTAL SETTING

The Delta facility is located on South Atlanta Avenue in Sheffield, Alabama. Sheffield is bordered on the south by the City of Tuscumbia, on the east by the City of Muscle Shoals, and on the north and west by the Tennessee River.

3.1 LAND USE

The Delta facility is located in Township 11 South, Range 3 West, Section 33, at 103 South Atlanta Avenue in Sheffield, Alabama. Light commercial development and retail establishments are located to the north, an Exxon bulk petroleum plant is located to the east, and residential development is located to the south and southwest of the site (Gallet 1990).

3.2 CLIMATE

According to the United States Department of Agriculture Soil Conservation Service (USDASCS), Colbert County summers are hot in the valleys and slightly cooler in the hills. Winters are moderately cold. In winter, the average temperature is 42 degrees Fahrenheit (^{o}F) and the average daily minimum temperature is 32^{o}F. During the summer, the average daily temperature is 79^{o}F, and the average daily maximum temperature is 89^{o}F (USDASCS 1994).

Rainfall is fairly heavy and well distributed throughout the year. Heavy rains, which can occur at any time of the year, and severe thunderstorms, which can occur in the summer, sometimes cause flash flooding, particularly in the narrow valleys. Snow falls nearly every winter, but snow cover usually lasts only a few days. Average seasonal snowfall is 4 inches. Average annual precipitation is 52 inches. About 25 inches, or 45 percent, usually falls between April and September. The average relative humidity in mid-afternoon is about 60 percent. Humidity is higher at night, and the average humidity at dawn is about 85 percent. The sun shines 65 percent of the time during the summer and about 35 percent during the winter. The prevailing wind is from the south. Average wind speed is highest, 8 miles per hour, in the spring (USDASCS 1994).

3.3 TOPOGRAPHY AND SURFACE WATER

The regional topography is characterized by broad, gently sloping hills, with many features typical of karst terrain, such as closed surface depressions, poorly developed surface drainage patterns, and disappearing stream segments. This type of terrain forms over soluble bedrock formations and is dominated by the characteristics of underground drainage through bedrock channels, ranging from diffuse and fracture to conduit pipe flow.

Sinkholes occur throughout most parts of the county, but they are most numerous in the limestone valley physiographic province. They vary in size from one-fourth acre to several acres. Some sinkholes hold water, and water levels fluctuate widely from year to year.

Elevation ranges from 397 feet above mean sea level (msl) in the Bear Creek area of Pickwick Resevoir to about 980 feet above msl near Crooked Oak in the south-central part of the county (USDASCS 1994). The elevation of the facility is 492 feet above msl.

Four locations to the east and southeast of the Delta facility are classified as wetlands. Two types of wetlands occur at these locations. Three of the wetlands are classified as Forested Palustrines with broad-leaved deciduous trees that are nontidal and temporary, and the remaining wetland is classified as Forested Palustrines Emergent Persistent (USDASCS 1994).

Surface water ultimately drains into Pickwick Lake, located just over a mile from the site, to the north and northwest (Gallet 1996b).

3.4 SOILS

The site is located on soil that is classified as the Decatur Series, which consists of very deep, well drained, moderately permeable soils. The Decatur Series is typically found in upland areas, with slopes ranging from 2 to 10 percent. Commonly, the soils at the facility are about 80 inches deep. The surface layer is dark reddish brown silty clay loam about 4 inches thick. The subsoil, to a depth of 80 inches or more, is dark red silty clay. Decatur Series soils are formed from weathered Tuscumbia Limestone. The

resultant soils of this weathering process are clayey, kaolinitic, thermic Rhodic Paleudults (USDASCS 1994).

3.5 GEOLOGY

The geologic formations of Colbert County are of sedimentary origin and range in age from Mississippian to Cretaceous. The geology consists primarily of limestone, cherty limestone, sandstone, shale, and unconsolidated gravels. The Delta facility lies on the Tuscumbia Limestone, which occurs in the northeastern and northwestern portions of the county. The formation consists mainly of gray, oolitic limestone but also contains bands, lenses, and nodules of gray chert (USDASCS 1994).

3.6 HYDROGEOLOGY

The oldest exposed formation in the Sheffield area is the Mississippian-aged Fort Payne Chert. This formation comprises a major portion of the Tuscumbia Limestone-Fort Payne Chert Aquifer system. The Fort Payne consists of dense, hard limestone and chert and has a thickness of about 200 feet. It is highly permeable in places because of numerous cavities and solution channels. Many of the openings occur at a depth of less than 100 feet and serve as conduits for the rapid recharge, movement, and storage of groundwater. The underlying Chattanooga Shale forms an aquiclude at the base of the Fort Payne and restricts the downward movement of water to underlying geologic formations.

The Mississippian-aged Tuscumbia Limestone immediately overlies the Fort Payne Chert and consists of about 100 feet of hard, gray, massive limestone. It contains a considerable amount of dark gray chert. The Tuscumbia, along with the Fort Payne, makes up the Tuscumbia Limestone-Fort Payne Chert Aquifer system. At the Delta facility, the underlying aquifer consists of a shallow flow zone at about 10 to 12 feet bgs and a deep flow zone at about 40 feet bgs.

Water supplies for municipal and industrial needs are ample. About 90 percent of the homes in Colbert County are served by a community or municipal water system. Pickwick and Wilson Reservoirs are excellent sources of water for domestic and irrigational purposes (USDASCS 1994).

Information regarding active domestic wells used as a drinking water source in a 1-mile radius is not readily available. According to the City of Sheffield Clerk's Office and the Water Utility Office, no known groundwater use or groundwater supply wells exist in the vicinity of the Delta facility. No groundwater supply wells within 1,000 feet of the Delta facility were noted during the Groundwater Quality Assessment of the facility. The Town of Sheffield is currently served by city water. Their water is taken from a pumping station on Pickwick Lake, located about 2.3 river miles downstream from the O'Neal Bridge (Gallet 1996).

Two water wells are in the vicinity of the Delta facility. Water well WW-14 is owned by the Southeastern Metals Company, Inc. It is located about 2,000 feet northwest of the site at the Sheffield plant building on the northeastern side of the Frankfurt Avenue and 2nd Street intersection in Sheffield. Water well WW-28 is owned by Southern Sash of Sheffield, Inc. It is located about 1,800 feet southeast of the site on the northern side of the abandoned Southern Fabricating, Inc., plant in Sheffield, along Southern Railway. This well has been abandoned (Chandler & More 1991). The completion depths of these wells are unknown.

4.0 SOLID WASTE MANAGEMENT UNITS AND AREAS OF CONCERN

Section 4 presents descriptions of Solid Waste Management Units (SWMUs) and Areas of Concern (AOC) identified during the PR and VSI of the Delta Automotive facility. The locations of the SWMUs and AOCs at the facility are presented in Figures 6, 7, and 8.

For the release pathways section of the SWMU or AOC Data Sheet, the following abbreviations were used to designate the probability that hazardous wastes or hazardous constituents were released to one or more of the environmental media (e.g., air, soil, surface water, or groundwater):

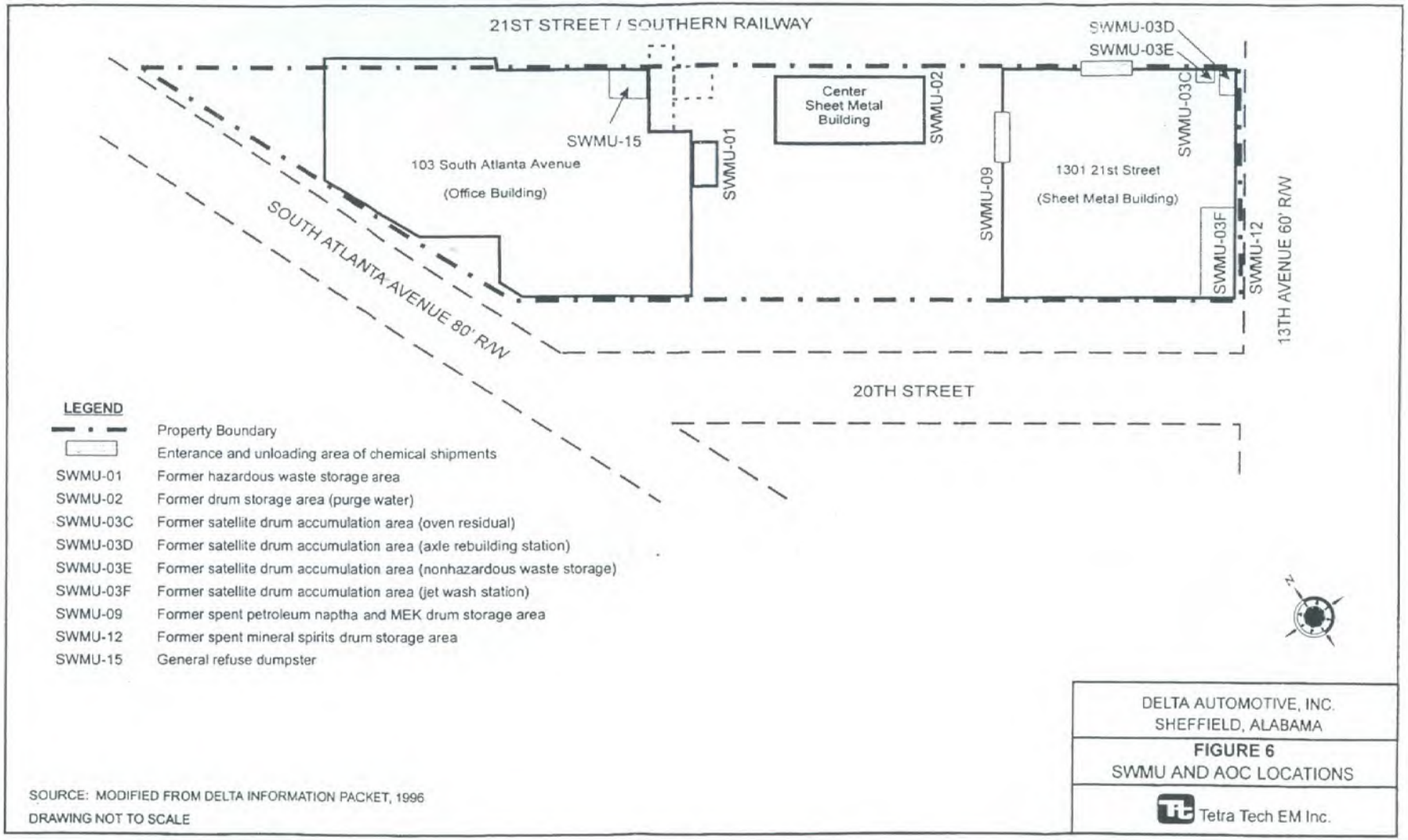
H (High)-	Evidence indicates that a release of hazardous wastes or hazardous constituents has occurred
M (Medium)-	Evidence indicates that a release may have occurred
L (Low)-	No evidence of a release was found or indicated

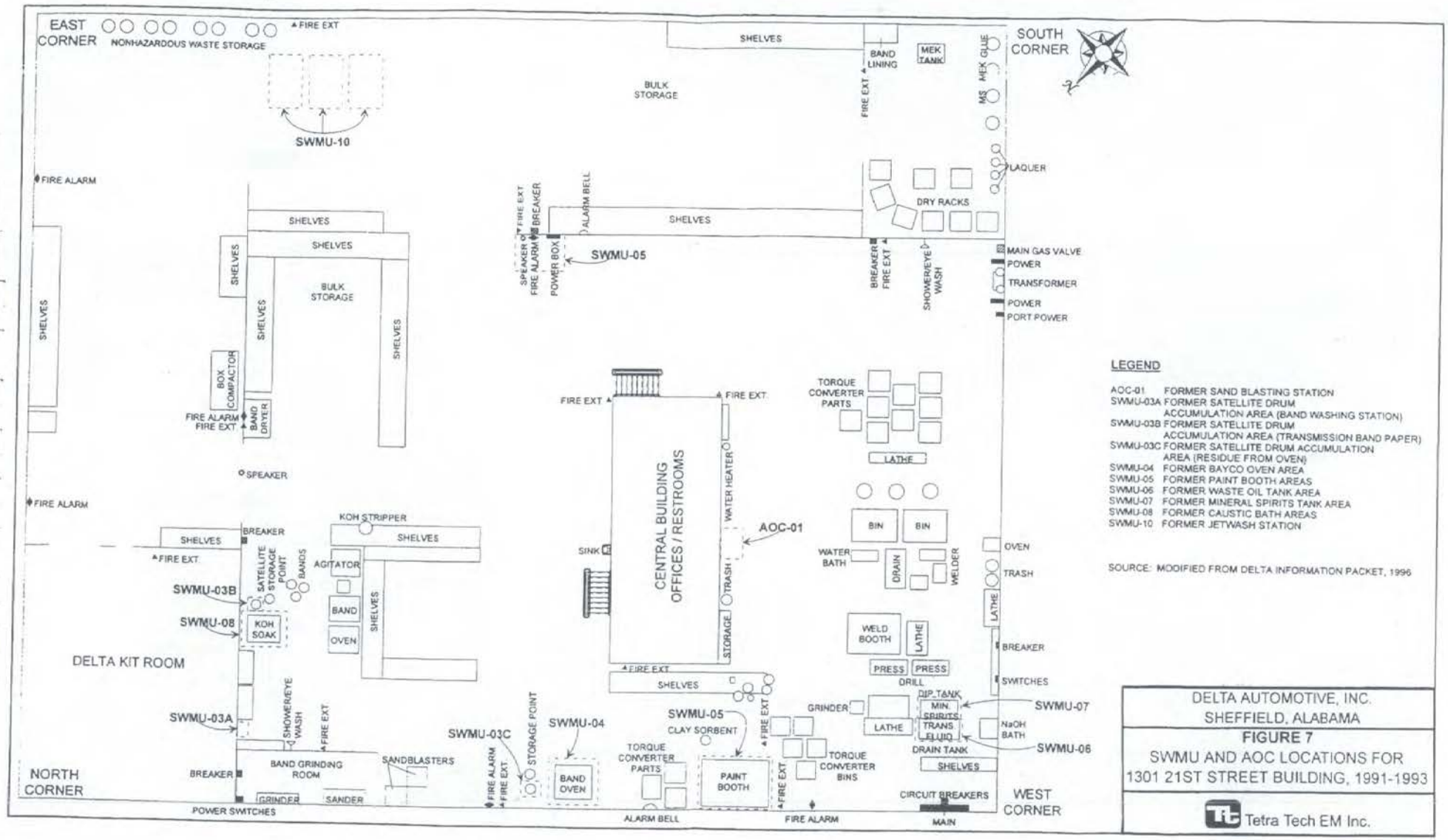
Evidence of a release is defined as visual signs of contamination, analytical documentation of a release, discharge permit violations, facility representative statements, or file material statements indicating a release.

The VSI photograph number(s) on each SWMU or AOC Data Sheet correspond to the numbering system of the VSI photograph log provided in Appendix A.

The RFA resulted in the identification of 19 SWMUs and 3 AOCs. It is important to note that some SWMUs have been grouped together under SWMU heading due to similarities in their operation or wastes managed (e.g., SWMUs 3, 5, and 8). During the PR, Tetra Tech identified 21 SWMUs. No AOCs were identified. This information was submitted to Delta through EPA for review and preparation for the VSI. After conducting the VSI, Tetra Tech modified the SWMU and AOC list to include 19 SWMUs and three AOCs. The following list includes all SWMUs and AOCs identified at the Delta Automotive facility.

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21ST STREET / SOUTHERN RAILWAY
SWMU-03D
SWMU-03E
SWMU-03C
SWMU-15
103 South Atlanta Avenue
(Office Building)
SWMU-01
Center
Sheet Metal
Building
SWMU-02
SWMU-09
1301 21st Street
(Sheet Metal Building)
SWMU-03F
SWMU-12
13TH AVENUE 60' R/W
SOUTH ATLANTA AVENUE 80' R/W
20TH STREET
LEGEND
Property Boundary
Enterance and unloading area of chemical shipments
SWMU-01 Former hazardous waste storage area
SWMU-02 Former drum storage area (purge water)
SWMU-03C Former satellite drum accumulation area (oven residual)
SWMU-03D Former satellite drum accumulation area (axle rebuilding station)
SWMU-03E Former satellite drum accumulation area (nonhazardous waste storage)
SWMU-03F Former satellite drum accumulation area (jet wash station)
SWMU-09 Former spent petroleum naptha and MEK drum storage area
SWMU-12 Former spent mineral spirits drum storage area
SWMU-15 General refuse dumpster
N
SOURCE: MODIFIED FROM DELTA INFORMATION PACKET, 1996
DRAWING NOT TO SCALE
DELTA AUTOMOTIVE, INC.
SHEFFIELD, ALABAMA
FIGURE 6
SWMU AND AOC LOCATIONS
Tetra Tech EM Inc.



LEGEND

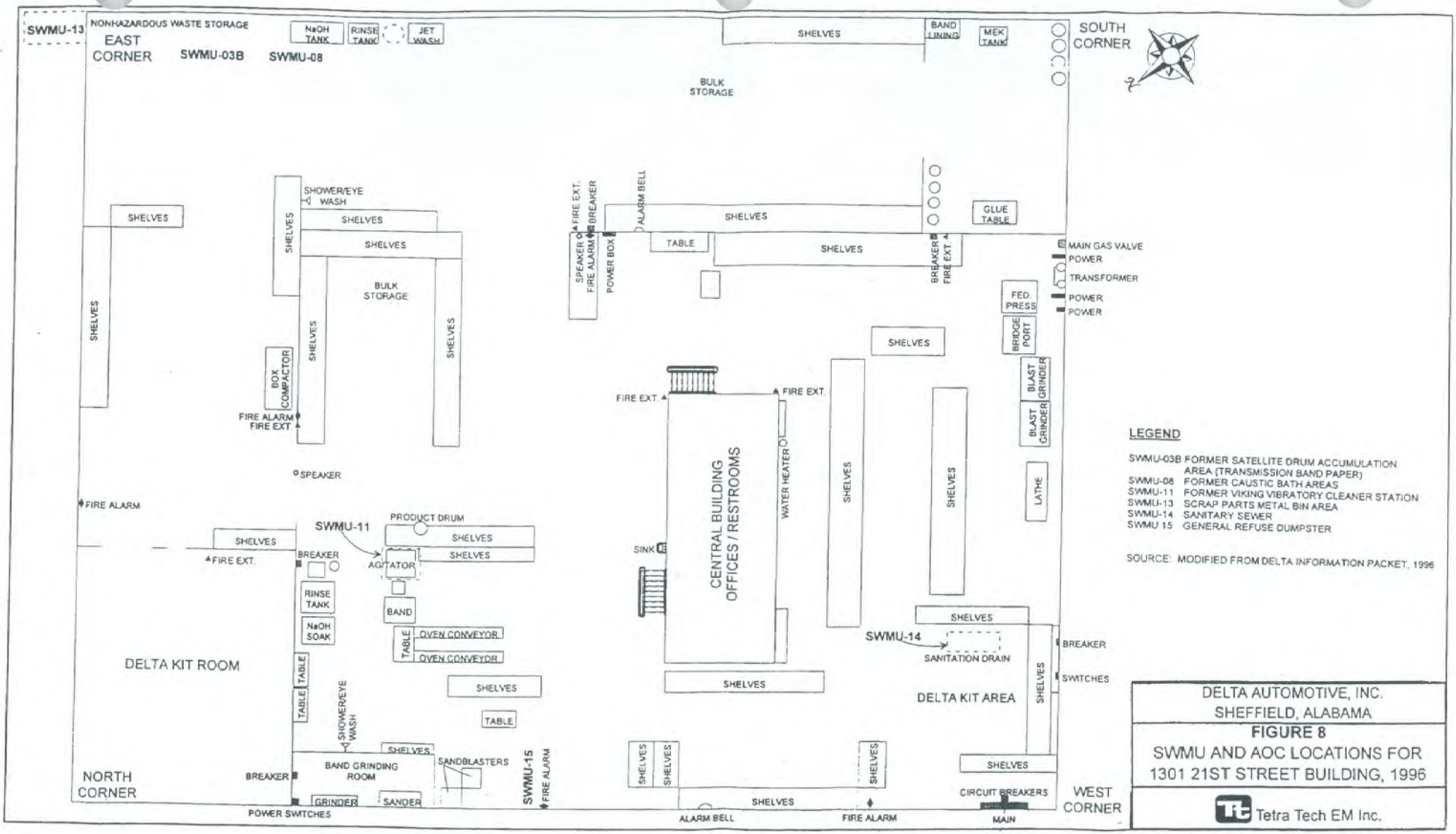
AOC-01 FORMER SAND BLASTING STATION
SWMU-03A FORMER SATELLITE DRUM ACCUMULATION AREA (BAND WASHING STATION)
SWMU-03B FORMER SATELLITE DRUM ACCUMULATION AREA (TRANSMISSION BAND PAPER)
SWMU-03C FORMER SATELLITE DRUM ACCUMULATION AREA (RESIDUE FROM OVEN)
SWMU-04 FORMER BAYCO OVEN AREA
SWMU-05 FORMER PAINT BOOTH AREAS
SWMU-06 FORMER WASTE OIL TANK AREA
SWMU-07 FORMER MINERAL SPIRITS TANK AREA
SWMU-08 FORMER CAUSTIC BATH AREAS
SWMU-10 FORMER JETWASH STATION

SOURCE: MODIFIED FROM DELTA INFORMATION PACKET, 1996

DELTA AUTOMOTIVE, INC.
SHEFFIELD, ALABAMA

FIGURE 7
SWMU AND AOC LOCATIONS FOR
1301 21ST STREET BUILDING, 1991-1993

Tetra Tech EM Inc.


SWMU-13
NONHAZARDOUS WASTE STORAGE
EAST CORNER
SWMU-03B
SWMU-08
NaOH TANK
RINSE TANK
JET WASH
SHELVES
BAND LINING
MEK TANK
SOUTH CORNER
BULK STORAGE
SHOWER/EYE WASH
SHELVES
BOX COMPACTOR
FIRE ALARM
FIRE EXT.
SPEAKER
SPEAKER
FIRE ALARM
FIRE EXT.
BREAKER
POWER BOX
ALARM BELL
TABLE
GLUE TABLE
BREAKER
FIRE EXT.
MAIN GAS VALVE
POWER
TRANSFORMER
POWER
POWER
FED. PRESS
BRIDGE PORT
BLAST GRINDER
BLAST GRINDER
LATHE
FIRE EXT.
FIRE EXT.
CENTRAL BUILDING OFFICES / RESTROOMS
WATER HEATER
SINK
FIRE ALARM
SWMU-11
PRODUCT DRUM
AGITATOR
BREAKER
FIRE EXT.
RINSE TANK
NaOH SOAK
BAND
TABLE
OVEN CONVEYOR
OVEN CONVEYOR
DELTA KIT ROOM
TABLE
TABLE
SHOWER/EYE WASH
TABLE
SHELVES
SWMU-14
SANITATION DRAIN
BREAKER
SWITCHES
DELTA KIT AREA
SHELVES
SHELVES
SHELVES

SWMUs

1. Former Hazardous Waste Storage Area
2. Former Drum Storage Area (Purge Water)
3a. Former Satellite Drum Storage Area (Band Washing Station)
3b. Former Satellite Drum Storage Area (Transmission Band Paper)
3c. Former Satellite Drum Storage Area (Oven Residue)
3d. Former Satellite Drum Storage Area (Axle Rebuilding Station)
3e. Former Satellite Drum Storage Area (Nonhazardous Waste Storage Area)
3f. Former Satellite Drum Storage Area (Jet Wash Station)
4. Former Bayco Oven Area
5. Former Paint Booth Areas
1. Former Waste Oil Tank Area
2. Former Mineral Spirits Tank Area
3. Former Caustic Bath Areas
4. Former Spent Petroleum Naphtha and MEK Drum Storage Area
5. Former Jet Wash Station
6. Former Viking Vibratory Cleaning Station
7. Former Spent Mineral Spirits Drum Storage Area
8. Sanitary Sewer
9. General Refuse Dumpster

AOCs

1. Former Sandblasting Station
2. Former Blackening Station
1. Former Scrap Metal Bin

The following sections discuss current and past SWMUs and AOCs operated by the Delta facility and evaluates actual or potential releases from those units.

TYPE OF UNIT: Storage Pad
PERIOD OF OPERATION: 1992 to July 1997
VSI PHOTOGRAPH NUMBERS: 1 and 2

PHYSICAL DESCRIPTION AND CONDITION: The former hazardous waste storage area is located on the southeastern side of the 103 South Atlanta building (see Figure 6). It consists of a raised concrete dock, 19 feet long and 5 feet wide. A 6-inch wide curb, which is 5 inches high, surrounds the dock, and a 5 foot long, 1 foot wide, and 10.5-inch deep sump serve as secondary containment. A canopy, 22 feet long and 7 feet wide protects the hazardous waste storage area from the elements. In the event that material was released into the sump, free liquid would be pumped out into a 55-gallon drum and residual liquid would be allowed to evaporate (Delta 1998a).

Delta took steps to improve the hazardous waste storage area, resulting in less potential for release; however, during a portion of the unit's operating lifetime, cracks were present in the concrete floor and no curb surrounding the dock existed to prevent runoff. Following a Notice of Violation dated December 11, 1991, Delta erected a curb surrounding the hazardous waste storage dock to serve as secondary containment, should a release from one of the drums occur, and patched cracks in the dock (ADEM 1991b).

WASTES AND/OR HAZARDOUS CONSTITUENTS MANAGED: Department of Transportation (DOT)-approved 55-gallon drums containing lead (D008) and asbestos waste from the Bayco were stored here. Also stored in 55-gallon drums at this location, were caustic band liners from the caustic bath (SWMU No. 8) (Delta 1998a).

During this unit's operational lifetime drums containing waste were sealed at the satellite accumulation areas and moved to the hazardous waste storage area. Labels were checked as to contents and cautions and dated. Daily inspections occurred, as well as a logged weekly inspection, to ensure that the drums were not tampered with and remained in suitable condition. Wastes were handled by Safety Kleen, Chem Waste, and North American Corporation. The method of disposal is not known (Delta 1998a).

No wastes are currently stored in this area, although reportedly purge water from monitoring wells is currently staged next to the dock, in accordance with ADEM requirements, pending TCLP results to determine the proper method for disposal (Delta 1998a).

RELEASE PATHWAYS:				
	AIR	(L)	SUBSURFACE GAS	(L)
	GROUNDWATER	(L)	SURFACE WATER	(L)
	SOIL	(L)		

HISTORY AND/OR EVIDENCE OF RELEASES: No releases from this unit to the environment have been reported, and no evidence of release was observed during the VSI. During its operational lifetime the potential for release at this unit was low. Because wastes are no longer stored at the hazardous waste storage area, there is no potential for release at this unit. No remedial action has been taken at this unit.

RECOMMENDATIONS:		
	NO FURTHER ACTION	(X)
	CONFIRMATORY SAMPLING	( )
	RFI NECESSARY	( )

4.2 SWMU 2 — Former Drum Storage Area (Purge Water from Monitoring Wells)

TYPE OF UNIT: Storage Area

PERIOD OF OPERATION: 1991 to Unknown

VSI PHOTOGRAPH NUMBER: 3

PHYSICAL DESCRIPTION AND CONDITION: Drums containing purge water from monitoring wells were staged in this area prior to sampling. SWMU No. 2 is located on the eastern side of the center building on the southern side of the door. No specific information was provided by Delta during the VSI on the exact location of where the drums were staged. The general staging area identified consists of both a concrete pad and a gravel area. The staging area was likely no greater than 400 square feet. There was no significant staining or stressed vegetation in this area to suggest any past releases; however, part of the area was covered with gravel, pallets, and plywood. The location of SWMU 2 is shown in Figure 6 (Delta 1998a).

WASTES AND/OR HAZARDOUS CONSTITUENTS MANAGED: Drums containing purge water were staged in this area pending TCLP analytical results. Sampling results were not provided for purge water; however, groundwater sampling results are available. Based on these results, constituents that may be present include: bromochloromethane, benzene; dichlorobromomethane; trichloroethylene; trichloroethene; cis-1,3-dichloropropane; 1,2-dichloropropane; 1,1,2-trichloroethane; ethylbenzene; M,P-xylenes; O-xylenes; isopropylbenzene: N-propylbenzene; 1,3,5-trimethylbenzene; 1,2,4-trimethylbenzene; sec-butylbenzene; toluene; carbon tetrachloride; 1-1-dichloroethane; 1-1 dichloroethylene; 1-1-1-trichloroethane; chloroform; arsenic; chromium; iron; manganese; silver; chloride; sulfate; and phenol (Gallet 1992b). Although some constituents exceeded MCLs, according to Henry Kennett of Delta, none of the purge water was deemed hazardous by TCLP analysis.

Purge water from monitoring wells were contained in 55-gallon drums and staged in this area until TCLP analysis was performed. Based on the results, Delta was then permitted, through written authorization by Sheffield Utilities, to discharge the purge water into the City of Sheffield Wastewater Sanitation System. The water was discharged through the sanitary sewer (SWMU 13) located in the 1301 21st Avenue building (Delta 1998a).

RELEASE PATHWAYS:				
	AIR	(L)	SUBSURFACE GAS	(L)
	GROUNDWATER	(L)	SURFACE WATER	(L)
	SOIL	(L)		

HISTORY AND/OR EVIDENCE OF RELEASES: No releases from this unit to the environment have been reported, and no evidence of release was observed during the VSI. During its operational lifetime the potential for release at this unit was low. Because wastes are no longer stored at this area, there is no potential for release at this unit. If a release had occurred, it would have infiltrated into the soil. Currently, as directed by ADEM, purge water from monitoring wells is no longer staged in this area and no other wastes are generated or staged in this area. The release potential for this unit during its operational lifetime was low. Drums were transferred to and from this area, but no evidence exists to suggest that wastes were transferred from container to container, which would have increased the potential for release. No remedial action has been taken at this unit.

RECOMMENDATIONS:		
	NO FURTHER ACTION	(X)
	CONFIRMATORY SAMPLING	( )
	RFI NECESSARY	( )

4.3 Former Satellite Drum Accumulation Areas

Six former satellite drum accumulation areas that used to be located in the 1301 21st Avenue building are described in the following subsections. The building itself is a single level sheet metal building approximately 130 feet by 190 feet. The roof is also sheet metal with a centerline height of about 20 feet and the floor is concrete. Access to the building is on the western side provided by two roll-up doors and a standard entry door. At the time of the VSI, the building was used to store various parts and equipment and appeared to be in good condition.

Spills were managed in the building with absorbent materials and general cleaning practices.

4.3.1 SWMU 3a — Former Satellite Drum Accumulation Area (Band Washing Station)

TYPE OF UNIT: Satellite Accumulation Area

PERIOD OF OPERATION: Unknown

VSI PHOTO NUMBER: 12

PHYSICAL DESCRIPTION AND CONDITION: This area was used for satellite accumulation for 1,1,1-trichloethane used for cleaning transmission bands. This area is located in the 1301 21st Avenue building, near the northern corner, as shown in Figure 7. One 55-gallon drum was used to contain the trichloroethane. Delta later replaced trichloroethane with MEK in the band cleaning process (Delta 1998a).

WASTES AND/OR HAZARDOUS CONSTITUENTS MANAGED: 1,1,1-trichloroethane was accumulated at this area. Information is not available as to when Delta began accumulating 1,1,1-trichloroethane or when Delta replaced trichloroethane with MEK. After Delta began using MEK in this process, waste was no longer generated and therefore, this accumulation area was no longer used. About one 55-gallon drum of trichloroethane was picked up by Safety Kleen each month (Delta 1998a).

RELEASE PATHWAYS:				
	AIR	(L)	SUBSURFACE GAS	(L)
	GROUNDWATER	(L)	SURFACE WATER	(L)
	SOIL	(L)		

HISTORY AND/OR EVIDENCE OF RELEASE: No releases from this unit to the environment have been reported, and no evidence of release was observed during the VSI. During its operational lifetime the potential for release at this unit was low. Because wastes are no longer stored at this area, there is no potential for release at this unit. If a release had occurred at this unit, it would have likely been contained within the building. No remedial action has been taken at this unit.

RECOMMENDATIONS:		
	NO FURTHER ACTION	(X)
	CONFIRMATION SAMPLING	( )
	RFI NECESSARY	( )

4.3.2 SWMU 3b — Former Satellite Drum Accumulation Area (Transmission Band Paper)

TYPE OF UNIT: Satellite Accumulation Area

PERIOD OF OPERATION: Unknown to 1997

VSI PHOTOGRAPH NUMBER: Not photographed

PHYSICAL DESCRIPTION AND CONDITION: Transmission band paper removed from the transmission bands by the caustic baths was collected in two 55-gallon drums. Both accumulation stations were located in the 1301 21st Avenue building, one along the southeastern wall and the other in the northern portion of the building, as shown in Figure 7 (Delta 1998a).

WASTES AND/OR HAZARDOUS CONSTITUENTS MANAGED: Transmission band papers removed from transmission bands at the caustic baths were accumulated at two satellite accumulation points. Because of the high pH of the transmission band paper, the paper was treated as hazardous waste. Later, the process changed allowing the pH of transmission bands to be controlled to a point where the transmission band papers no longer were regulated as a hazardous waste, and they were discarded with general facility refuse (Delta 1998a).

Transmission band papers are no longer accumulated at the Delta facility. Information was not available regarding when Delta began accumulating the papers at the unit along the southeastern wall. Delta discontinued using this unit in 1996 and ceased accumulating transmission band papers. In 1995, Delta began accumulating transmission band papers at the location in the northern portion of the building. In 1997, Delta sold the caustic bath in the northern portion of the building to Bancon, Inc. Bancon operated the caustic bath at the Delta facility until early in 1998, when it was moved off site. After the caustic bath was moved off site, transmission band papers were no longer accumulated (Delta 1998a).

During the period of time that the band papers had a pH high enough to be considered hazardous waste, drums containing transmission band papers were stored in the hazardous waste storage area. It is not known when the process changed to lower the pH of the band papers, or the pH of the papers. Chem Waste transported the waste off site to one of its facilities for disposal. After the process changed to

lower the pH of the waste to acceptable levels, the waste was no longer regulated as a hazardous waste (Delta 1998a).

RELEASE PATHWAYS:				
	AIR	(L)	SUBSURFACE GAS	(L)
	GROUNDWATER	(L)	SURFACE WATER	(L)
	SOIL	(L)		

HISTORY AND/OR EVIDENCE OF RELEASES: No releases from this unit to the environment have been reported, and no evidence of a release was observed during the VSI. During its operational lifetime the potential for release at this unit was low. If a release had occurred, transmission band papers would have accumulated on the concrete floor of the building. Because wastes are no longer stored at this area, there is no potential for release at this unit. No remedial action has been taken at this unit.

RECOMMENDATIONS:		
	NO FURTHER ACTION	(X)
	CONFIRMATION SAMPLING	( )
	RFI NECESSARY	( )

TYPE OF UNIT: Satellite Accumulation Area

PERIOD OF OPERATION: Unknown to October, 1993

VSI PHOTOGRAPH NUMBER: Not Photographed

PHYSICAL DESCRIPTION AND CONDITION: Residue from the Bayco oven was containerized in DOT-approved 55-gallon transport drums, which were double-lined. These drums were located adjacent to the Bayco oven, along the northwestern wall of the 1301 21st Avenue building, as shown in Figure 7 (Delta 1998a).

WASTES AND/OR HAZARDOUS CONSTITUENTS MANAGED: The residue was determined to be a hazardous waste, containing lead and asbestos. The residue from the oven was sprayed with water prior to removal in an effort to reduce air-born release, and then collected in drums at the satellite accumulation area and then moved to the hazardous waste storage area (SWMU 1). The residue was removed from the facility by Chem Waste and transported to their facility for disposal (Delta 1998a).

RELEASE PATHWAYS:				
	AIR	(L)	SUBSURFACE GAS	(L)
	GROUNDWATER	(L)	SURFACE WATER	(L)
	SOIL	(L)		

HISTORY AND/OR EVIDENCE OF RELEASES: No releases from this unit have been reported, and no evidence of release was observed during the VSI. During its operational lifetime the potential for release at this unit was low. Because wastes are no longer generated or stored at this area, there is no potential for release at this unit. If a release had occurred, it would have spilled on the concrete floor of the building. No remedial action has taken place at this unit.

RECOMMENDATIONS:		
	NO FURTHER ACTION	(X)
	CONFIRMATORY SAMPLING	( )
	RFI NECESSARY	( )

4.3.4 SWMU 3d — Former Satellite Drum Accumulation Area (Axle Rebuilding Station)

TYPE OF UNIT: Satellite Accumulation Area

PERIOD OF OPERATION: 1991 to September 1992

VSI PHOTOGRAPH NUMBER: 6

PHYSICAL DESCRIPTION AND CONDITION: Grease from the breakdown of axle cores was temporarily staged in two 55-gallon drums in the eastern corner of the 1301 21st Street building, in the former axle department, as shown in Figure 6. Grease was generated from the disassembly of axle cores (Delta 1998a).

WASTES AND/OR HAZARDOUS CONSTITUENTS MANAGED: Axle grease collected from tables where disassembly operations occurred was accumulated at this location. Through analysis by SPL Inc. (SPL), the grease was determined to be non-hazardous. When the drums became full, they were moved from the satellite accumulation area to the nonhazardous storage area. The drums were then removed by AAA Services in Birmingham, Alabama, for recycling. Grease from the disassembly of axle cores is no longer accumulated in this area (Delta 1998a).

RELEASE PATHWAYS:				
	AIR	(L)	SUBSURFACE GAS	(L)
	GROUNDWATER	(L)	SURFACE WATER	(L)
	SOIL	(L)		

HISTORY AND/OR EVIDENCE OF RELEASES: Evidence from the VSI supports the possibility that a release occurred at this unit. Grease stains were present on the walls during the VSI; however, no release has ever been reported. During its operational lifetime the potential for release at this unit was low. If a release had occurred, it would have been contained with in the building. Although grease stains are visible on the wall, it is not certain that a release occurred at this unit. Because wastes are no longer generated or stored at this area, there is no potential for release at this unit. No remedial action has taken place at this unit.

RECOMMENDATIONS:		
	NO FURTHER ACTION	(X)
	CONFIRMATORY SAMPLING	( )
	RFI NECESSARY	( )

4.3.5 SWMU 3e — Former Drum Accumulation Area (Non-hazardous Waste Storage)

TYPE OF UNIT: Non-hazardous drum storage area

PERIOD OF OPERATION: 1991 to September 1992

VSI PHOTOGRAPH NUMBER: 18

PHYSICAL DESCRIPTION AND CONDITION: This area is located in the northeastern section of the 1301 21st Street building, as shown in Figure 6 (Delta 1998a).

WASTES AND/OR HAZARDOUS CONSTITUENTS MANAGED: An undetermined number of 55-gallon drums of axle grease generated at the axle disassembly station were staged at the non-hazardous storage area. Drums were moved to this area after they were filled with grease at the axle disassembly station. Chemical analysis performed by SPL revealed that the grease was non-hazardous. The drums were transported by AAA Services to their facility in Birmingham, Alabama. No waste is currently stored in this area (Delta 1998a).

RELEASE PATHWAYS:				
	AIR	(L)	SUBSURFACE GAS	(L)
	GROUNDWATER	(L)	SURFACE WATER	(L)
	SOIL	(L)		

HISTORY AND/OR EVIDENCE OF RELEASES: No release from this unit to the environment has been reported, and no evidence of release was observed during the VSI. During its operational lifetime the potential for release at this unit was low. If a release had occurred, it would have been contained within the building. Because wastes are no longer generated or stored at this area, there is no potential for release at this unit. No remedial action has been taken at this unit.

RECOMMENDATIONS:		
	NO FURTHER ACTION	(X)
	CONFIRMATORY SAMPLING	( )
	RFI NECESSARY	( )

4.3.6 SWMU 3f — Former Satellite Drum Accumulation Area (Jet Wash Station)

TYPE OF UNIT: Satellite Accumulation Area
PERIOD OF OPERATION: Unknown to Unknown
VSI PHOTOGRAPH NUMBER: 5

PHYSICAL DESCRIPTION AND CONDITION: This area was a satellite accumulation point for a non-hazardous grease/water mixture and grease. Drums containing a grease/water mixture were temporarily located near the point of generation in the axle department as shown in Figure 6. The grease and water was generated at the jet wash station in the axle department (SWMU 10).

WASTES AND/OR HAZARDOUS CONSTITUENTS MANAGED: The drums contained grease and water generated from the jet wash station in the axle department (SWMU 10). The jet wash was analyzed by SPL, Inc. (SPL certificate of analysis No. W0423510, designated J-W-1) and determined to be non-hazardous. According to SPL, Inc. (SPL certificate of analysis No. W0423510, designated J-W-1) the waste was determined to contained arsenic (0.001 mg/l), barium (1.2 mg/l), cadmium (0.0216 mg/l), chromium (0.020 mg/l), and lead (0.546 mg/l) (Delta, 1998a).

Based on the PR and VSI, it was determined that the grease/water mixture was transferred from the jet washers by a skimmer to 55-gallon drums and stored temporarily in this area. About 1.5 drums of the water/grease mixture were generated per week. Prior to March 1992 Delta managed the drums containing the grease/water mixture by evaporating the water to reduce the volume using a heating jacket (ADEM, 1992b). After notification from ADEM that this method of waste management was inappropriate, Delta contracted AAA Services in Birmingham, Alabama to manage the waste. The drums were transferred from the storage area to the non-hazardous waste storage area, on average every 7 to 10 days. The drums were staged at the non-hazardous storage until they were emptied of their contents by AAA Services. The drums were then reused. AAA Services collected the grease/water mixture from non-hazardous waste storage on average once per month (Delta, 1998a).

4.3.6 SWMU 3f — Former Satellite Drum Accumulation Area (Jet Wash Station) (continued)

RELEASE PATHWAYS:				
	AIR	(L)	SUBSURFACE GAS	(L)
	GROUNDWATER	(L)	SURFACE WATER	(L)
	SOIL	(L)		

HISTORY AND/OR EVIDENCE OF RELEASES: No releases from this unit to the environment have been reported, and no evidence of release was observed during the VSI. During its operational lifetime the potential for release at this unit was low. If a release had occurred it would have been contained within the building. Because wastes are no longer generated or stored at this area, there is no potential for release at this unit. No remedial action has been taken at this unit.

RECOMMENDATIONS:		
	NO FURTHER ACTION	(X)
	CONFIRMATORY SAMPLING	( )
	RFI NECESSARY	( )

TYPE OF UNIT: Oven

PERIOD OF OPERATION: October 1984 to 1993

VSI PHOTOGRAPH NUMBER: 4

PHYSICAL DESCRIPTION AND CONDITION: A Bayco (trade name) oven was located along the northeast wall of the 1301 21st Street building as shown in Figure 7. No documentation exists concerning the dimensions of the oven; however, it was large enough to have a 3 by 3 by 3-foot cage inside. The oven was operated as a controlled heat oven and was water-cooled. This oven also operated with a high-heat afterburner to control emissions. The oven was used to burn band paper from the transmissions (Delta 1998a).

WASTES AND/OR HAZARDOUS CONSTITUENTS MANAGED: The waste generated from the oven included residue containing lead and asbestos from the burning of band liners from transmissions. The residue was determined to be hazardous because of lead concentrations. A copy of the chemical analysis was not available (Delta 1998a).

The residue from the burning process was removed from the oven, as necessary. The residue was sprayed with water before removal in an effort to reduce airborne releases. The residue was removed from the oven and placed in open-top 55-gallon drums (SWMU 3c). As the drums were filled, they were removed from this area and taken to the hazardous waste storage area. According to a facility representative the drums were labeled with the appropriate warnings, dates, and contents. The drums were removed from the facility by Chem Waste and transported to their facility located in Emelle, Alabama. No waste is currently generated or stored here (Delta 1998a).

RELEASE PATHWAYS:				
	AIR	(L)	SUBSURFACE GAS	(L)
	GROUNDWATER	(L)	SURFACE WATER	(L)
	SOIL	(L)		

HISTORY AND OR EVIDENCE OF RELEASES: No releases from this unit to the environment have been reported, and no evidence of releases were observed during the VSI. During its operational

lifetime the potential for release at this unit was low. If a release had occurred, the residue would have been contained within the building. Because no waste is currently generated or stored in this area there is no potential for release at this unit. No remedial action has been taken at this unit.

RECOMMENDATIONS:	NO FURTHER ACTION	(X)
	CONFIRMATORY SAMPLING	( )
	RFI NECESSARY	( )

4.5 SWMU 5 — Former Paint Booth Areas

TYPE OF UNIT: Paint Booths

PERIOD OF OPERATION: Unknown to 1995

VSI PHOTOGRAPH NUMBER: 13

PHYSICAL DESCRIPTION AND CONDITION: Two paint booths used to paint reconditioned parts were previously operated at the Delta facility. One of the paint booths was located in the converter department, in the northeastern section of the 1301 21st Street building, and the other was located in the axle department, in the eastern portion of the 1301 21st Avenue building, as shown in Figure 7. The physical description and dimensions of the booths are unknown (Delta 1998a).

WASTES AND/OR HAZARDOUS CONSTITUENTS MANAGED: Spent paint filters were generated at the paint booths. Filters from each booth were analyzed for TCLP metals by SPL. The results of the analysis indicate that the filters from the converter station contained barium, cadmium, chromium, lead, and selenium. Filters from the axle department contained barium, cadmium, chromium, and lead. The levels of all of the metals were below hazardous levels (Delta 1998a). The spent filters from each booth were transferred to large plastic bags, sealed, and boxed. The boxes of paint filters were then taken to the Colbert County Landfill (Delta 1998a).

RELEASE PATHWAYS:				
	AIR	(L)	SUBSURFACE GAS	(L)
	GROUNDWATER	(L)	SURFACE WATER	(L)
	SOIL	(L)		

HISTORY AND/OR EVIDENCE OF RELEASES: No release from this unit to the environment has been reported, and no evidence of release was observed during the VSI. During its operational lifetime the potential for release at this unit was low. If a release had occurred, it would have been contained within the building. Because no waste is currently generated or stored in this area there is no potential for release at this unit. No remedial action has been taken at this unit.

RECOMMENDATIONS:	NO FURTHER ACTION	(X)
	CONFIRMATORY SAMPLING	( )
	RFI NECESSARY	( )

TYPE OF UNIT: Waste Oil Tank

PERIOD OF OPERATION: Unknown to October 1995

VSI PHOTOGRAPH NUMBER: 14

PHYSICAL DESCRIPTION AND CONDITION: A steel waste oil tank located at the converter department, as shown in Figure 7, was used as a drain tank for the cut-open lathe operation. The lathe was used to cut the converters, and the transmission fluid was drained into the tank. No information was available about the dimensions of the tank (Delta 1998a).

WASTES AND/OR HAZARDOUS CONSTITUENTS MANAGED: Nonhazardous transmission fluid was stored in the tank. When the tank became full, the transmission fluid was pumped into 55-gallon drums, labeled appropriately, and moved to SWMU 3e. Decatur Recyclers, Inc., in Decatur, Alabama transferred the contents of the drums into a pump truck. The drums were then reused. The lathe operation ended in October 1995, and the tank was subsequently removed from the facility (Delta 1998a).

RELEASE PATHWAYS:				
	AIR	(L)	SUBSURFACE GAS	(L)
	GROUNDWATER	(L)	SURFACE WATER	(L)
	SOIL	(L)		

HISTORY AND/OR EVIDENCE OF RELEASE: No release from this unit to the environment has been reported, and no evidence of release was observed during the VSI. During its operational lifetime the potential for release at this unit was low. If a release had occurred, it would have been contained within the building. Because no wastes are generated or stored in this area there is no potential for release at this unit. No remedial action has been taken at this unit.

RECOMMENDATIONS:		
	NO FURTHER ACTION	(X)
	CONFIRMATORY SAMPLING	( )
	RFI NECESSARY	( )

4.7 SWMU 7 — Former Mineral Spirits Tank Area

TYPE OF UNIT0N: Mineral Spirits Tank

PERIOD OF OPERATION: Unknown to October 1995

VSI PHOTOGRAPH NUMBER: Not Photographed

PHYSICAL DESCRIPTION AND CONDITION: A steel tank located in the converter department, as shown in Figure 7 was used as a "dip" tank for cleaning converter parts and contained a mixture of mineral spirits. No information is available concerning the dimensions of the tank; however, the tank reportedly had a capacity of about 450 gallons (Delta 1998a)

WASTES AND/OR HAZARDOUS CONSTITUENTS MANAGED: A mixture of mineral spirits were used in the "dip" tank. The spent mineral spirits were managed as a hazardous waste. Mineral spirits in the tank were managed and recycled by Safety Kleen in Huntsville, Alabama. Safety Kleen picked up the mineral spirits directly from the tank and then replenished the tank with recycled mineral spirits (Delta 1998a).

RELEASE PATHWAYS:				
	AIR	(L)	SUBSURFACE GAS	(L)
	GROUNDWATER	(L)	SURFACE WATER	(L)
	SOIL	(L)		

HISTORY AND/OR EVIDENCE OF RELEASE: No releases from this unit to the environment have been reported, and no evidence of releases were observed during the VSI. During its operational lifetime the potential for release at this unit was low. If a small release had occurred, it would have been contained within the building, a larger release however, would have likely migrated to the sanitary sewer (SWMU No. 13). Because no wastes are currently generated or stored in this area there is no potential for release at this unit. No remedial action has been taken at this unit.

RECOMMENDATIONS:		
	NO FURTHER ACTION	(X)
	CONFIRMATORY SAMPLING	( )
	RFI NECESSARY	( )

4.1.8 SWMU 8 — Former Caustic Bath Areas

TYPE OF UNIT: Caustic Baths

PERIOD OF OPERATION: Unknown to 1997

VSI PHOTOGRAPH NUMBERS: 7 and 16

PHYSICAL DESCRIPTION AND CONDITION: Two caustic baths were used to remove band liner paper from transmission bands. Both tanks were located in the 1301 21st Avenue building, one along the southeastern wall and the other in the northern portion of the building, as shown in Figures 7 and 8. The exact dimensions of the tank located in the northern side of the 1301 21st Street building near the main entrance are unknown, although it is reported to have had a capacity of 700 gallons and was electrically heated. The dimensions of the tank along the southeastern wall are also unknown, and it was gas-heated (Delta 1998a).

WASTES AND/OR HAZARDOUS CONSTITUENTS MANAGED: Potassium hydroxide was used in the tank along the southeastern wall; however, later the process was changed to use sodium hydroxide in the tank in the northern portion of the building (Delta 1998a).

No information was available as to when Delta began operating the caustic tank along the southeastern wall of the 1301 21st Street building. Use of this unit was discontinued in 1996. In 1995, Delta began operating the bath located in the northern portion of the building. In 1997, Delta sold the caustic bath in the northern portion of the building to Bancon, Inc. Bancon operated this caustic bath at the Delta facility until early in 1998, when it was moved off site (Delta 1998a).

When the tank was cleaned and recharged, the contents were considered to be hazardous waste and included, in addition to the caustic fluid, oil and dirt from transmission bands. Fluids from the tank were pumped into 55-gallon drums, labeled and dated appropriately, and moved to the hazardous waste storage area. Chem Waste then removed the waste from the facility. When the process changed to where the pH of the liquid was controlled, it was discharged into the sanitary drain (SWMU No. 13). It is unknown when the process changed which lowered the pH of the fluid (Delta 1998a).

RELEASE PATHWAYS:				
	AIR	(L)	SUBSURFACE GAS	(L)
	GROUNDWATER	(L)	SURFACE WATER	(L)
	SOIL	(L)		

HISTORY AND/OR EVIDENCE OF RELEASES: No releases from this unit to the environment have been reported, and no evidence of releases were observed during the VSI. During its operational lifetime the potential for release at this unit was low. If a small release had occurred, it would have been contained within the building, whereas a larger release may have migrated to the sanitary sewer (SWMU No. 13). Because no waste is currently generated or stored in this area there is no potential for release at this unit. No remedial action has been taken at this unit.

RECOMMENDATIONS:		
	NO FURTHER ACTION	(X)
	CONFIRMATORY SAMPLING	( )
	RFI NECESSARY	( )

4.9 SWMU 9 — Former Spent Petroleum Naphtha and MEK Drum Storage Area

TYPE OF UNIT: Drum Storage Area

PERIOD OF OPERATION: Unknown to 1989

VSI PHOTOGRAPH NUMBER: 21

PHYSICAL DESCRIPTION AND CONDITION: Several 55-gallon drums containing spent petroleum naphtha, MEK, and possibly other mineral spirits were staged adjacent and east of the 1301 21st Street building, near monitoring wells MW-3B, -5, and -11, as shown in Figure 6. In addition, many empty used drums, which previously contained spent MEK, naphtha, and other solvents, were staged in this area. No information is available as to how long these drums were staged in this area. Many of the drums had the tops removed and the bottoms punctured and were used to store automotive parts for remanufacture. These drums were not in a covered area and were staged directly on the ground and as a result, were exposed to the elements (Delta 1998a).

WASTES AND/OR HAZARDOUS CONSTITUENTS MANAGED: The 55-gallon drums staged at this area contained MEK, spent petroleum naphtha, and possibly other solvents. The drums contained hazardous constituents. Information was not available as to what process produced this waste (Delta 1998a). No information is available as to when drums were first staged in this area. This drum storage area was first discovered by ADEM in an inspection conducted on April 11, 1989 (ADEM 1989b). After the area was discovered by ADEM, Delta contracted Safety Kleen to remove the drums and their contents in 1989; however, the ground contamination remained (Delta 1998a).

RELEASE PATHWAYS:				
	AIR	(H)	SUBSURFACE GAS	(H)
	GROUNDWATER	(H)	SURFACE WATER	(H)
	SOIL	(H)		

HISTORY AND/OR EVIDENCE OF RELEASES: A release from the drums reportedly occurred in the late 1970s. An unknown quantity of spent petroleum naphtha and MEK leaked from several drums directly onto the ground. It is unknown whether it was a one-time release or a continuous release; however, judging from descriptions of the manner in which the drums were stored, there was potential for the release to be ongoing. Information is not available as to how long the drums had been staged in

the area or from what process the contents were generated. Reportedly, a forklift punctured a drum, causing ground contamination, which was not cleaned up but allowed to remain in place. Stained soil was noted by ADEM at an inspection on April 11, 1989 (ADEM 1989b). This area of release, near monitoring wells 3B, 5, and 11, is the primary concern at the Delta facility.

The area of soil contamination was successfully delineated through surface and subsurface soil sampling for the Contamination Assessment Report in 1990 and the Risk Assessment in 1996. It was determined from the Risk Assessment that the facility wide health risk associated with dermal contact with soils and inhalation of particulates and vapors is greater than what is generally acceptable (Gallet 1996b).

Based on the PR and VSI, closure activities have been ongoing. Delta's Post Closure Permit Application is currently under review by ADEM. The area between the 1301 21st Street building and the 103 South Atlanta Avenue building is capped with a concrete cap and a building will be erected in this area. No further action is recommended at this unit, subject to the completion and ADEM approval of these activities.

Additional information regarding this release is provided in Section 2.6.1 and in Figures 6, 7, and 8.

RECOMMENDATIONS:	NO FURTHER ACTION	(X)
	CONFIRMATORY SAMPLING	( )
	RFI NECESSARY	( )

TYPE OF UNIT: Jet Washers

PERIOD OF OPERATION: 1991 to 1992

VSI PHOTOGRAPH NUMBER: 7

PHYSICAL DESCRIPTION AND CONDITION: The axle rebuilding area was located at the east-southeastern wall of the 1301 21st Street building, as shown in Figure 7. Three hot water jet washers were used in this department to remove excess grease and oil from the axles to be reconditioned. The water was heated by units at the rear of the tanks. No information is available as to the size or dimensions of the jet washers. Skimmers removed oil and grease from the surface of the water, and it was containerized in 55-gallon drums (Delta 1998a).

WASTES AND/OR HAZARDOUS CONSTITUENTS MANAGED: The waste consisted of a mixture of grease and water, which was determined to be nonhazardous through TCLP analysis. Although constituents in this mixture included arsenic, barium, cadmium, chromium, and lead, all constituents were detected at levels below the TCLP limit (Delta 1998a).

The grease-water mixture was containerized in 55-gallon drums after being removed from the jet washers by skimmers. The drums were appropriately labeled and temporarily staged at SWMU 3f. They were then transferred to the nonhazardous waste storage area (SWMU 2). The contents of the drums were picked up by AAA Services in Birmingham, Alabama (Delta 1998a).

RELEASE PATHWAYS:				
	AIR	(L)	SUBSURFACE GAS	(L)
	GROUNDWATER	(L)	SURFACE WATER	(L)
	SOIL	(L)		

HISTORY AND/OR EVIDENCE OF RELEASES: No releases to the environment from this unit have been reported, and no evidence of release was observed during the VSI. During its operational lifetime the potential for release at this unit was low. If a release had occurred, it would have been contained within the building. Because wastes are no longer generated or stored at the hazardous waste storage area there is no potential for release. No remedial action has been taken at this unit.

RECOMMENDATIONS:	NO FURTHER ACTION	(X)
	CONFIRMATORY SAMPLING	( )
	RFI NECESSARY	( )

TYPE OF UNIT: Vibratory Cleaner

PERIOD OF OPERATION: Unknown to 1997

VSI PHOTOGRAPH NUMBER: 17

PHYSICAL DESCRIPTION AND CONDITION: The Viking vibratory cleaner was a 8 by 3 by 4-foot metal box used in the cleaning process of light type band cones. The Viking was located in the center of the 1301 21st Street building, as shown in Figure 8 (Delta 1998a).

WASTES AND/OR HAZARDOUS CONSTITUENTS MANAGED: Water was used in this process and for a period of time, resulted in a lead-contaminated hazardous waste. Initially the waste was nonhazardous, but during an unknown period of time the waste fluid from the Viking was determined to be hazardous by TCLP analysis based on lead concentrations from reconditioning certain types of transmission bands. After discovering that cleaning certain transmission bands resulted in lead-contaminated waste, Delta ceased reconditioning those bands (Delta 1998a).

The nonhazardous waste was discharged through the sanitary sewer (SWMU 13) after written approval was given by Sheffield Utilities. During the period when the waste was determined to be hazardous, it was transported for disposal by North American Environmental Corporation to their facility in Michigan (Delta 1998a).

RELEASE PATHWAYS:				
	AIR	(L)	SUBSURFACE GAS	(L)
	GROUNDWATER	(L)	SURFACE WATER	(L)
	SOIL	(L)		

HISTORY AND/OR EVIDENCE OF RELEASE: No release from this unit to the environment has been reported, and no evidence of release was observed during the VSI. During its operational lifetime the potential for release at this unit was low. If a small release had occurred it would have been contained within the building; whereas a larger release may have migrated to the sanitary sewer (SWMU 13). Because wastes are no longer generated or stored in this area there is no release potential for this unit. No remedial action has been taken at this unit.

RECOMMENDATIONS:	NO FURTHER ACTION	(X)
	CONFIRMATORY SAMPLING	( )
	RFI NECESSARY	( )

4.12 SWMU 12 — Former Spent Mineral Spirits Drum Storage Area

TYPE OF UNIT: Drum Storage Area

PERIOD OF OPERATION: Unknown to 1989

VSI PHOTOGRAPH NUMBER: 11

PHYSICAL DESCRIPTION AND CONDITION: A small number of drums were staged in an area at the southwestern corner of the 1301 21st Street building, as shown in Figure 6. The drums were staged directly on the ground and were not sheltered (Delta 1998c).

WASTES AND/OR HAZARDOUS CONSTITUENTS MANAGED: The 55-gallon drums contained spent mineral spirits and possibly other compounds. It is unknown if a hazardous determination was performed on the drums in this area. No information was available regarding the process that generated the mineral spirits. Mineral spirits are not themselves a hazardous material; however, because they were used in an unknown process it is possible that they could contain hazardous materials obtained in that process (Delta 1998a).

According to Mr. Law, President of Delta, he informed supervisory personnel that the drums were not in their proper place and verbally ordered their removal. This directive was not carried out. After the area was discovered by ADEM, Delta contracted Safety Kleen to remove the drums and their contents in 1989. No information was available as to when the drums were originally staged in this area, or when they ceased to be staged in the area. It was noted that no drums were staged this area during the VSI (Delta 1998a).

RELEASE PATHWAYS:				
	AIR	(H)	SUBSURFACE GAS	(H)
	GROUNDWATER	(H)	SURFACE WATER	(H)
	SOIL	(H)		

HISTORY AND/OR EVIDENCE OF RELEASES: A small release from the 55-gallon drums occurred directly onto the ground. No information is available concerning the quantity of the release. The release is believed to have occurred in 1989, and was reportedly a one-time release (Delta 1998a).

Delta's initial remedial action was to remove the drums from this area. Safety Kleen removed the drums from this area at the same time as the drums from SWMU 9 were removed in 1989 (Delta 1998c).

Remedial actions performed at this SWMU include contamination assessment reports (which included the collection and analysis of soil samples and the installation of monitoring wells and the collection and analysis of groundwater samples) and groundwater quality assessment reports (which included the collection and analysis of groundwater samples).

Additional information regarding this release is provided in Section 2.6.2.

RECOMMENDATIONS:		
	NO FURTHER ACTION	( )
	CONFIRMATORY SAMPLING	(X)
	RFI NECESSARY	( )

4.13 SWMU 13 — Sanitary Sewer

TYPE OF UNIT: Sanitary Sewer

PERIOD OF OPERATION: Unknown to Present

VSI PHOTOGRAPH NUMBER: 15

PHYSICAL DESCRIPTION AND CONDITION: A floor drain that drains into the wastewater system of the City of Sheffield is located in the south-southwestern portion of 1301 21st Street building, as shown in Figure 8. The drain is sealed with a removable rubber plug (Delta 1998a).

WASTES AND/OR HAZARDOUS CONSTITUENTS MANAGED: Nonhazardous wastewater from various operations, including neutralized caustic water, Viking citrus water, and jet wash water, was disposed of through the drain. Water was discharged through the sanitary sewer only after written permission was granted by Sheffield Utilities (Delta 1998a).

RELEASE PATHWAYS:

AIR	(L)	SUBSURFACE GAS	(L)
GROUNDWATER	(L)	SURFACE WATER	(L)
SOIL	(L)		

HISTORY AND/OR EVIDENCE OF RELEASES: No releases from this unit to the environment have been reported, and no evidence of release was observed during the VSI. During its operational lifetime the potential for release at this unit was low. If a release occurred while discharging, the wastewater most likely would have been contained within the building; however, if the sewer pipe was faulty there was a potential for a release beneath the building. Reportedly wastes are no longer discharged into the sanitary sewer, as a result the release potential for this unit is low. No remedial action has been taken at this unit.

RECOMMENDATIONS:

NO FURTHER ACTION	(X)
CONFIRMATORY SAMPLING	( )
RFI NECESSARY	( )

TYPE OF UNIT: Dumpsters

PERIOD OF OPERATION: Unknown to Present

VSI PHOTOGRAPH NUMBER: Not Photographed

PHYSICAL DESCRIPTION AND CONDITION: Two dumpsters are used to collect general facility refuse, including cardboard, food waste, and office waste. A dumpster is located along the southeastern wall of both the 1301 21st Street and the 103 South Atlanta Avenue buildings, as shown in Figures 6 and 8 (Delta 1998b).

WASTES AND/OR HAZARDOUS CONSTITUENTS MANAGED: The dumpsters collect general facility refuse, including cardboard, food waste, and office waste. The waste is deposited in trash receptacles located throughout the facility and then transferred to one of two trash compactors located in the back of the 1301 21st Street building and the 103 South Atlanta Avenue building. The compactor is serviced weekly by BFI Waste Systems (Delta 1998b).

RELEASE PATHWAYS:				
	AIR	(L)	SUBSURFACE GAS	(L)
	GROUNDWATER	(L)	SURFACE WATER	(L)
	SOIL	(L)		

HISTORY AND/OR EVIDENCE OF RELEASE: No releases from this unit to the environment have been reported, and no evidence of release was observed during the VSI. During its operational lifetime the potential for release at this unit was low. Should a release occur, the waste would be contained within the building. No remedial action has been taken at this unit.

RECOMMENDATIONS:		
	NO FURTHER ACTION	(X)
	CONFIRMATORY SAMPLING	( )
	RFI NECESSARY	( )

4.15 AOC 1 — Former Sandblasting Station

TYPE OF UNIT: Sandblaster

PERIOD OF OPERATION: Unknown to 1997

VSI PHOTOGRAPH NUMBER: Not Photographed

PHYSICAL DESCRIPTION AND CONDITION: This station was located in the center of the 1301 21st Street building, as shown in Figure 6, and was used to clean rust off of axles. The medium used in this operation was glass beads and not sand (Delta 1998a).

WASTES AND/OR HAZARDOUS CONSTITUENTS MANAGED: According to facility personnel no waste was generated at this station, the medium was reused in the operation (Delta 1998a).

RELEASE PATHWAYS:				
	AIR	(L)	SUBSURFACE GAS	(L)
	GROUNDWATER	(L)	SURFACE WATER	(L)
	SOIL	(L)		

HISTORY AND/OR EVIDENCE OF RELEASES: No releases from this unit to the environment have been reported, and no evidence of release was observed during the VSI. If a release had occurred, it would have been contained within the building. Currently no wastes are generated or stored in this area; therefore, there is no release potential. No remedial action has taken place at this unit.

RECOMMENDATIONS:		
	NO FURTHER ACTION	(X)
	CONFIRMATORY SAMPLING	( )
	RFI NECESSARY	( )

TYPE OF UNIT: Dye Tank

PERIOD OF OPERATION: 1978 to 1990

VSI PHOTOGRAPH NUMBER: Not Photographed

PHYSICAL DESCRIPTION AND CONDITION: This unit consisted of a stainless-steel, gas-heated tank, about 18-feet wide by 48-feet long by 24-feet deep. No information was available regarding the location of this unit. This unit was used to color and preserve automotive parts and began operating in 1978. It ended operations in 1990, when the unit was removed from the facility (Delta 1998a).

WASTES AND/OR HAZARDOUS CONSTITUENTS MANAGED: Reportedly no waste was generated at this unit and the unit had to be recharged periodically because of evaporation. Recharging the unit was done by mixing water with the powdered product. The product consisted of phosphoric acid, nitric acid, nickel nitrate, and manganese dihydrogen phosphate (Delta 1998a).

RELEASE PATHWAYS:				
	AIR	(L)	SUBSURFACE GAS	(L)
	GROUNDWATER	(L)	SURFACE WATER	(L)
	SOIL	(L)		

HISTORY AND/OR EVIDENCE OF RELEASES: No release from this unit to the environment has been reported, and no evidence of release was observed during the VSI. If a small release had occurred, it would have been contained within the building; however a larger release may have migrated to the sanitary sewer (SWMU 13). Because wastes are no longer stored at the hazardous waste storage area there is no release potential for this unit.

RECOMMENDATIONS:		
	NO FURTHER ACTION	(X)
	CONFIRMATORY SAMPLING	( )
	RFI NECESSARY	( )

4.17 AOC 3 — Former Scrap Metal Bin Area

TYPE OF UNIT: Recycling Bin

PERIOD OF OPERATION: Unknown to January, 1998

VSI PHOTOGRAPH NUMBER: 8

PHYSICAL DESCRIPTION AND CONDITION: A 20-cubic-yard roll-off bin provided and serviced by Tennessee Valley Recycling, Inc. (TVR), was located at the north-northeastern corner of the 1301 21st Street building as shown in Figure 8 (Delta 1998a).

WASTES AND/OR HAZARDOUS CONSTITUENTS MANAGED: The waste consisted of nonhazardous scrap metal parts from the various stations, including the axle rebuilding, converter, and band, and from the repair and maintenance of equipment. The scrap metal was removed from the facility by TVR located in Sheffield, Alabama. This unit is discussed as an AOC because the scrap metal is recycled. According to Henry Kennett of Delta, this unit ceased operations in December 1997; however, during the VSI, the unit was observed to be about one-third full of scrap metal. In a later phone conversation, Mr. Kennett stated that the bin had ceased collecting scrap metal and was removed from the site by TVR in late January 1998 (Delta 1998a).

RELEASE PATHWAYS:				
	AIR	(L)	SUBSURFACE GAS	(L)
	GROUNDWATER	(L)	SURFACE WATER	(L)
	SOIL	(L)		

HISTORY AND/OR EVIDENCE OF RELEASES: No release from this unit to the environment has been reported, and no evidence of release was observed during the VSI. If a release had occurred, the release would have occurred directly on the ground. Because wastes are no longer generated or stored in this area there is no release potential for this unit. No remedial action has been taken at this unit.

RECOMMENDATIONS:	
NO FURTHER ACTION	(X)
CONFIRMATORY SAMPLING	( )
RFI NECESSARY	( )

PHOTOGRAPH NO. 1



Date:	1/13/98	**Roll:**	1
Picture Taken By:	REM	**Facing:**	South

Description: SWMU 1, located in the hazardous waste drum storage area.

PHOTOGRAPH NO. 2



Date:	1/13/98	**Roll:**	1
Picture Taken By:	REM	**Facing:**	North

Description: SWMU 1, located in the hazardous waste drum storage area.

PHOTOGRAPH NO. 3



Date: 1/13/98 **Roll:** 1
Picture Taken By: REM **Facing:** West

Description: SWMU 2, location of the purge water storage area.

PHOTOGRAPH NO. 4



Date: 1/13/98 **Roll:** 1
Picture Taken By: REM **Facing:** South

Description: SWMU 4, location of the oven area.

PHOTOGRAPH NO. 5



Date: 1/13/98
Picture Taken By: REM

Roll: 1
Facing: Southwest

Description: SWMU 3f, location of the satellite accumulation area (jet wash station).

PHOTOGRAPH NO. 6



Date: 1/13/98
Picture Taken By: REM
Roll: 1
Facing: Southwest

Description: SWMU 3d, location of the satellite drum accumulation area in axle rebuilding area.

PHOTOGRAPH NO. 7



Date: 1/13/98
Picture Taken By: REM
Roll: 1
Facing: Southeast

Description: SWMU Nos. 8 and 10, area where caustic bath and jet wash station were located.

PHOTOGRAPH NO. 8



Date: 1/13/98
Picture Taken By: REM

Roll: 1
Facing: South

Description: AOC No. 3, scrap metal bin.

PHOTOGRAPH NO. 9



Date:	1/13/98	**Roll:**	1
Picture Taken By:	REM	**Facing:**	East

Description: Monitoring well MW-1, adjacent to SWMU No. 13.

PHOTOGRAPH NO. 10



Date:	1/13/98	**Roll:**	1
Picture Taken By:	REM	**Facing:**	East

Description: Exxon facility, bordering the site to the east.

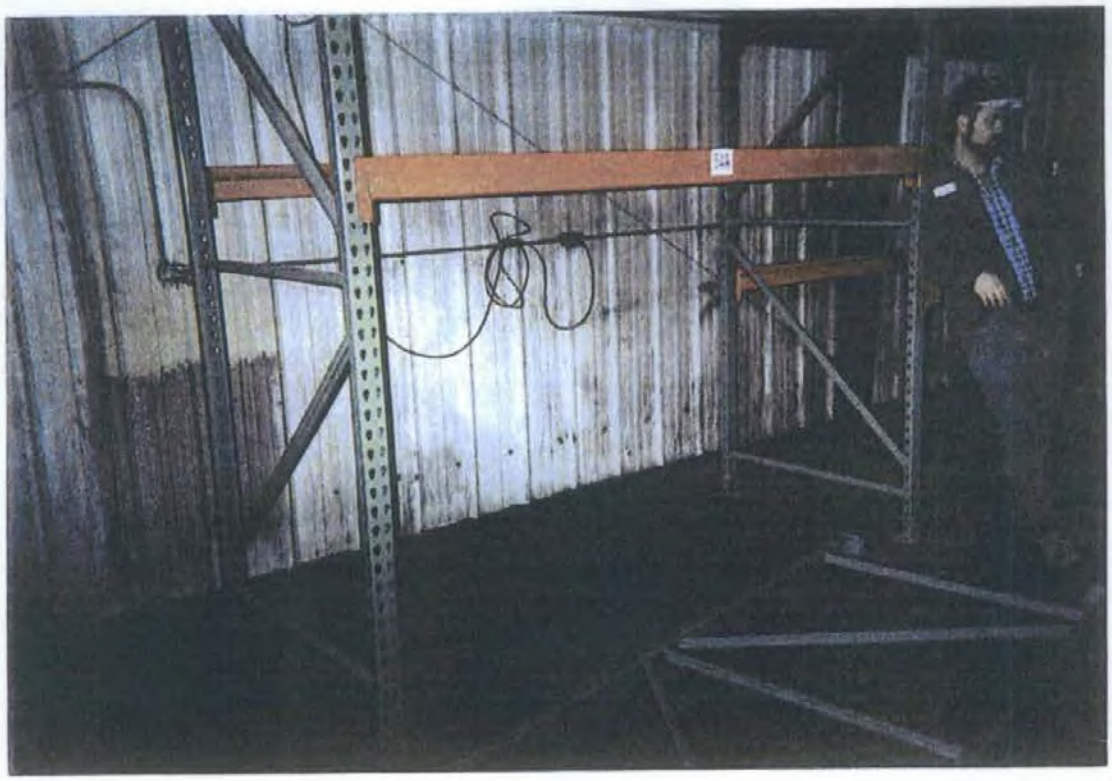
PHOTOGRAPH NO. 11



Date:	1/13/98	**Roll:**	1
Picture Taken By:	REM	**Facing:**	East

Description: The location of SWMU No. 12, former spent mineral spirits drum storage area.

PHOTOGRAPH NO. 12



Date: 1/13/98
Picture Taken By: REM
Roll: 1
Facing: Northeast

Description: SWMU No. 3a, satellite drum accumulation area in the band washing station.

PHOTOGRAPH NO. 13



Date: 1/13/98 **Roll:** 1
Picture Taken By: REM **Facing:** West

Description: Location of SWMU No. 5, former paint booth area.

PHOTOGRAPH NO. 14



Date: 1/13/98
Picture Taken By: REM

Roll: 1
Facing: South

Description: Location of SWMU No. 6, former waste oil tank area.

PHOTOGRAPH NO. 15



Date: 1/13/98
Picture Taken By: REM

Roll: 1
Facing: Southeast

Description: SWMU No. 13, sanitary sewer.

PHOTOGRAPH NO. 16



Date: 1/13/98
Picture Taken By: REM
Roll: 1
Facing: North

Description: Location of SWMU No. 8, former caustic bath area.

PHOTOGRAPH NO. 17



Date: 1/13/98
Picture Taken By: REM

Roll: 1
Facing: South

Description: Location of SWMU No. 11, former Viking vibratory cleaner station.

PHOTOGRAPH NO. 18



Date: 1/13/98
Picture Taken By: REM
Roll: 1
Facing: North

Description: Location of SWMU No. 3e, former nonhazardous waste storage area.

PHOTOGRAPH NO. 19



Date: 1/13/98
Picture Taken By: REM
Roll: 1
Facing: Southeast

Description: Monitoring wells, MW-3, MW-5, and MW-11, adjacent to SWMU No. 9, a former spent petroleum naphtha and MEK drum storage area where the main release occurred.

PHOTOGRAPH NO. 20



Date: 1/13/98
Picture Taken By: REM

Roll: 1
Facing: Southwest

Description: Monitoring well, MW-4

PHOTOGRAPH NO. 21



Date: 1/13/98
Picture Taken By: REM

Roll: 1
Facing: East

Description: Location of SWMU No. 9, former spent naphtha and MEK drum storage area where main release occurred.

5.0 HUMAN AND ENVIRONMENTAL RECEPTORS

This section discusses the potential human and environmental receptors of a hazardous material release to the environment from the SWMUs and AOCs at the Delta facility. Potential contaminant pathways include air, soil, surface water, subsurface gas, and groundwater. Source areas with the greatest potential for releasing contaminants to these pathways or a history of past releases include SWMUs 9 and 12. Contaminants of concern at these source areas are metals and VOCs. Of the 19 SWMUs and 3 AOCs, 2 currently remain at the facility, including the sanitary sewer (SWMU 13) and the dumpsters (SWMU 14).

According to a risk assessment performed for the Delta facility by Gallet, no known residential uses of groundwater exist in the Sheffield, Alabama, area. Sheffield derives its public water from a pumping station on Pickwick Lake, located about 2.3 river miles downstream from the O'Neal Bridge. According to the City of Sheffield Clerk's Office and the Water Utility Office, no known groundwater use or groundwater supply wells exist in the vicinity of the Delta facility. No groundwater supply wells within 1,000 feet of the Delta facility were noted during the Groundwater Quality Assessment of the facility. The Risk Assessment of the Delta facility submitted by Gallet in August 1996 was the primary source of information for this section. The technical adequacy of the risk assessment was not evaluated; however, a cursory review revealed that while it does not conform to EPA guidance, it still shows risks that need to be addressed (Gallet 1996b).

5.1 AIR

As part of a Risk Assessment Report Gallet used Summa canisters and TSP samplers to record concentrations of VOCs and metals in particulate form in ambient air. Chromium was the sole constituent detected, at a concentration of 0.018 parts per trillion. The industrial carcinogenic exposure pathway risk for inhalation of chromium is 5.28×10^{-5}. The potential future residential carcinogenic risk associated with inhalation if chromium is 8.88×10^{-5}. The industrial noncarcinogenic exposure pathway hazard index for inhalation of chromium is 6.169. The potential future residential noncarcinogenic exposure pathway hazard index associated with inhalation of chromium is 8.637 (Gallet 1996b).

Based on the Risk Assessment prepared by Gallet, the risk for release of metals and VOCs from contaminated soil to air is greater than what is generally considered to be acceptable. The method of determining risk associated with inhalation of particulates and vapors by collecting samples does not take into account potential future risk associated with future activities, which may disturb soils, resulting in a release (Gallet 1996b).

Due to remedial activity scheduled to take place at the facility on June 20, 1998 the risk for exposure by the inhalation pathway will be greatly reduced. The area of SWMU 9 is to be capped with a concrete cap, and a building will be erected over it, resulting in minimal possibility of migration by means of the inhalation pathway. Based on soil sample results, the soil at SWMU 12 does not appear to pose a risk to the inhalation pathway, although further sampling for metals will verify this.

5.2 SOIL

Human and environmental receptors could be exposed to hazardous constituents in soil by the air pathway discussed in Section 6.1, incidental ingestion of soil, and dermal contact with soil. Additional exposure results from infiltration of precipitation mobilizing contaminants to groundwater. The following paragraph discusses the risks, as determined by Gallet, associated with hazardous constituents in soil. The driving contaminant in the risk assessment was chromium.

Based on data collected as part of the 1996 Risk Assessment Report, the industrial carcinogenic exposure pathway risk for ingestion of chemicals in soil is 1.03×10^{-10}, and the industrial carcinogenic exposure pathway risk for dermal contact with soil is 1.78×10^{-8}. The potential future residential carcinogenic exposure pathway risk associated with ingestion of chemicals in soil for an adult is 2.76×10^{-10} and for a child is 6.44×10^{-10}. The potential future residential carcinogenic exposure pathway risk associated with dermal contact with soil for an adult is 2.39×10^{-8} and for a child is 3.49×10^{-8}. The industrial noncarcinogenic exposure pathway hazard index for ingestion of chemicals in soil is 0.0052, and the industrial noncarcinogenic exposure pathway hazard index for dermal contact with soil is 0.385. The potential future residential noncarcinogenic exposure pathway hazard index associated with ingestion of chemicals in soil is 0.0145 for adults and 0.135 for children. The potential future residential

noncarcinogenic exposure pathway hazard index for dermal contact with soil is 0.431 for adults and 3.151 for children (Gallet 1996b).

Based on the results of the Risk Assessment prepared by Gallet, the risks associated with soils are greater than what are generally acceptable (Gallet 1996b).

Taking into consideration scheduled remedial activities at the site the risk of ingestion or dermal contact with contaminants present in soils is minimal. The area of SWMU 9 is scheduled to be capped with concrete cap, severely limiting the potential for contact or ingestion of soils. It does not appear that soil samples from the vicinity of SWMU 12 were analyzed for metals. Because metals were present in soils at SWMU 9 it is possible that metals are present in soils at SWMU 12. Based on analytical results of soil samples, soil contamination associated with SWMU 12 appears to be minimal, and does not pose a significant risk; however, additional samples should be collected and analyzed for metals to verify this. The subsurface gas migration pathway was not evaluated in Gallet's Risk Assessment. Because levels of VOCs in soils do not appear significant, the subsurface gas migration pathway does not appear to pose a significant risk.

5.3 SURFACE WATER

This pathway was not evaluated in Gallet's Risk Assessment. The risk associated with surface water is associated with surface runoff coming into contact with contaminated surface soils. Surface water ultimately drains into Pickwick Lake, located just over a mile from the site, to the north and northwest. Due to scheduled remedial activity the risk of surface runoff coming into contact with contaminated soils will be addressed. Due to the area of SWMU 9 being capped, there will be minimal potential for migration of contaminants through surface water contact with contaminated soil. Soil contamination associated with SWMU 12 does not appear to pose a significant threat by means of contaminant migration through the surface water pathway.

5.4 GROUNDWATER

No active source of drinking water is reported within a 1-mile radius of the site. All residential areas within the vicinity of the site obtain drinking water from the Sheffield water system (Gallet 1996b).

The City of Sheffield derives its public water from a pumping station on Pickwick Lake, located about 2.3 river miles downstream from the O'Neal Bridge, a little more than a mile from the site (Gallet 1996b).

The potential future residential carcinogenic pathway risk associated with ingestion of chemicals from shallow groundwater wells is 3.55×10^{-5} and 0.00 for ingestion of chemicals from groundwater from the deep wells. No risk was calculated for industrial carcinogenic pathway risk associated with ingestion of chemicals from groundwater wells. The potential future residential noncarcinogenic exposure pathway hazard index for ingestion of chemicals from shallow groundwater wells is 0.0977 and 0.0721 from ingestion of chemicals from deep groundwater wells. No industrial noncarcinogenic exposure pathway hazard index for ingestion of chemicals from groundwater wells was calculated (Gallet 1996b).

Through Gallet's groundwater sampling efforts, they determined that groundwater flow in the deep and shallow flow zones varied somewhat in direction but was generally in a west-northwest to north direction. The monitoring well network is therefore not appropriate to fully monitor the site and determine the potential for off-site contaminant migration, because the northeastern portion of the site has not been adequately monitored.

Based on the results of previous groundwater investigations conducted at the facility, groundwater quality at the site has been impacted. Because of scheduled remedial activity associated with the area of SWMU 9, the potential for continued contaminant migration from surface and subsurface soils into groundwater through infiltration of precipitation has been reduced. Contaminated surface soil at SWMU 12 does not appear to pose a significant risk for migration of contaminants to groundwater.

Groundwater monitoring should continue at the site. Groundwater samples should be collected from the current monitoring wells. Should contaminants be detected, additional monitoring wells may need to be installed to determine the extent of offsite contaminant migration.

6.0 CONCLUSIONS AND RECOMMENDATIONS

Tetra Tech identified and summarized information for 19 SWMUs and 3 AOCs. Figures 6, 7, and 8 present the locations of the SWMUs and AOCs. Table ES-1 provides a profile of these units.

Based on the PR and VSI, it is recommended that corrective actions continue at SWMU 9 — The Former Spent Petroleum Naphtha and MEK Drum Storage Area.

CS activities are recommended to further evaluate the potential risk associated with contaminated soils in the area of SWMU 12 — Former Spent Mineral Spirits Drum Storage Area

RFI activities are recommended to further evaluate impacts to groundwater and soil resulting from a historical release of mineral spirits, MEK, and possibly other constituents.

Existing data is not adequate to characterize the extent of groundwater contamination caused by releases at SWMUs 9 and 12. Based on groundwater investigations performed by Gallet, a multi-directional groundwater flow pattern has been determined and low levels of contaminants have been detected in both downgradient and upgradient monitoring wells. Although there is no doubt that the facility has contributed to the contamination detected in the groundwater at the site, ADEM considers that there is also an offsite contribution to the contamination. ADEM has determined that an adequate groundwater quality assessment has been conducted and has decided to move forward with the implementation of the closure plan to prevent further releases.

Based on soil sampling results of the Contamination Assessment Report and the Risk Assessment submitted by Gallet, the area of contamination appears to have been delineated in soils in the vicinity of SWMUs 9 and 12. VOC contamination in soils in the vicinity of SWMUs 9 and 12 appears to be minimal based on previous sampling results. As a result, the subsurface gas migration pathway does not

appear to pose a significant threat. Because remedial activity in the form of capping the area in the vicinity of SWMU 9 is scheduled, no further action beyond this is recommended at SWMU 9. It is recommended that confirmatory sampling be performed at SWMU 12 and analyzed for metals.

Surface water contamination was not addressed in the Risk Assessment Report. Surface water may be traveling across the spill area offsite. Because the area of SWMU 9 is scheduled to be capped, the risk associated with surface water runoff will be greatly reduced. The risk associated with surface runoff mobilizing contaminants from SWMU 12 appears to be minimal. However, should additional soil sample results indicate elevated concentrations of metals in soil at this area further investigation into the surface water pathway should be undertaken in the form of determining the direction of storm water runoff and sampling sediment at major discharge points.

Based on the Risk Assessment Report the risks associated with inhalation are greater than what is generally considered to be acceptable. The method of determining risk associated with inhalation of particulates and vapors by collecting samples does not take into account potential future risk associated with future activities which may disturb soils, resulting in a release; therefore, the risk may, in fact, be higher than reported in the Risk Assessment. The risks associated with the inhalation pathway will be greatly reduced because the scheduled capping of the SWMU 9 area will reduce the potential for particulate inhalation from contaminated soil.

The Risk Assessment Report of the Delta Facility submitted by Gallet in August 1996 was the primary source of information for this report. The technical adequacy of the risk assessment was not evaluated; however, a cursory review revealed that it does not conform to EPA guidance, yet still shows risks that need to be addressed. The risk assessment was not SWMU-specific, but instead was a facility-wide risk assessment.

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SEMI-ANNUAL GROUNDWATER MONITORING REPORT

March 2001
Delta Automotive, Inc.
Sheffield, Alabama
EPA ID No.: ALD 982 123 127
Project No.: 01-040512.02



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EXECUTIVE SUMMARY

The purpose of this project is to provide a semi-annual groundwater monitoring report for the Delta Automotive, Inc. facility in accordance with Alabama Administrative Code 335-14-6-.06(5)(a)2.(ii) and (iii). Semi-annual groundwater monitoring was conducted at the Delta Automotive, Inc. facility located in Sheffield, Colbert County, Alabama and included determination of groundwater elevations, sampling and analysis for the semi-annual sampling event conducted March 14, 2001.

Based on the analyses presented in this annual groundwater monitoring report, no constituents of concern were detected at concentrations above the published Maximum Concentration Limit (MCLs) in any of the down-gradient offsite monitoring wells.

Based on the findings of the statistical analysis, barium was the only parameter detected at significantly different concentrations as compared to background in the shallow flow beneath the site. The barium concentration (0.109 ppm) present in the groundwater sample collected from MW-14 during the March 2001 sampling event is well below the published MCL for barium of 2.0 ppm, as given in The U.S. EPA *Drinking Water Standards and Health Advisories, Summer 2000.*

Additionally, surface water and groundwater research information prepared by the Alabama Geological Survey, states that previous surface water and groundwater quality studies have determined that barium is present in a majority of the public drinking water supplies in Alabama. The concentrations of barium in samples collected from groundwater wells and surface water bodies across the State range from below the detection limit of 0.003 ppm to 1.020 ppm.

Historical groundwater data indicates that barium has been detected at varying concentrations, in each of the monitoring wells screened in both shallow and deep flow zones in every sampling event. Based on the spatial distribution of barium across site and it's historically consistent presence in groundwater beneath the site, Highland Technical Services, Inc. is of the opinion that barium occurs naturally in dissolved concentrations in the local area of Delta and is not the result of past operations at the facility.



There are no immediate downgradient, off-site or on-site drinking water uses for groundwater, therefore, it appears that there is no current health risk posed by the presence of the identified contaminants in groundwater at this site.



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1.0 INTRODUCTION

1.1 PURPOSE, SCOPE, AND AUTHORIZATION

The purpose of this project is to provide the semi-annual groundwater monitoring report for the Delta Automotive, Inc.'s Sheffield, Alabama facility. Semi-annual groundwater sampling was conducted on March 14, 2001. This semi-annual Groundwater Monitoring Report is submitted in accordance with Alabama Administrative Code 335-14-6-.06(5)(a)2.(ii) and (iii).

The scope of work included groundwater elevation determinations and groundwater sampling and analysis. The approach taken for this investigation was consistent with past efforts that have been discussed and agreed upon by representatives of Highland Technical Services, Inc., Delta Automotive, Inc., and the Alabama Department of Environmental Management (ADEM).

2.0 HYDROGEOLOGIC SETTING

The Delta Automotive, Inc. facility is located within Section 33, Township 3 South, Range 11 West, at 103 South Atlanta Avenue, Sheffield, Colbert County, Alabama (Figure 1). The site is situated within the Tennessee Valley area of the Interior Low Plateaus Physiographic Province of north Alabama. The site is immediately underlain by the Tuscumbia Limestone of Mississippian Age. The Tuscumbia Limestone is typically comprised of light gray, partly oolitic (near the top), fine to very coarse-grained bioclastic limestone (crinoidal limestone is common). The Tuscumbia also contains light gray chert nodules and concretions. It ranges up to 200 feet in thickness. The limestone is infrequently exposed in outcrop, those localities being primarily sinkholes and road cuts.

The Tuscumbia Limestone is underlain by the Fort Payne Chert, which is comprised of very light- to light-gray thin- to thick-bedded fine- to coarse-grained bioclastic limestone with chert. The upper portion of the formation consists of light bluish-gray laminated vuggy siltstone, interbedded with medium greenish-gray shale, shaly limestone, siltstone and chert. The apparent thickness of the Fort Payne Chert varies with differential



dissolution of the carbonate. At the base of the Fort Payne Chert is the Maury Shale, a light olive-gray siltstone which is mapped with the Fort Payne Chert.

The Tuscumbia Limestone and underlying Fort Payne Chert, where both formations are present, are in hydraulic communication and are referred to as the Tuscumbia-Fort Payne aquifer. The Tuscumbia-Fort Payne is an excellent aquifer, capable of supplying large quantities of water to wells and springs. The flow of Tuscumbia Spring has been measured at 62 million gallons per day (MGD). Groundwater flow is controlled by secondary porosity, occurring primarily through solution openings and solution-enlarged bedding planes and joints. The Tuscumbia-Fort Payne aquifer beneath the site is characterized by a shallow flow zone and a deep flow zone.

The Tuscumbia Limestone is associated with sinkholes. Numerous sinkholes can be observed on the USGS topographic quadrangles *Sheffield and Tuscumbia, Alabama* (Figure 1). A sinkhole that has a diameter of approximately one-half mile is located adjacent to the southern and western property boundaries of the site. Another sinkhole is located approximately 500 feet east of the property, and numerous other sinkholes are located within a one-mile radius of the site. Several of these sinkholes are located at or adjacent to other industrial facilities.

The Tuscumbia Limestone, which most immediately underlies the site and from which site soils have been derived, weathers to a reddish-brown residual soil generally 20 to 40 feet thick. At some locations, the clay soils act as an impervious cap over solution openings in the underlying Tuscumbia-Fort Payne aquifer system. As observed during site drilling, the native soil consists of chert-fragment-rich plastic clay.

The site is very level, with immediate surface water drainage toward the south and southwest. Water-level measurements obtained from site monitoring wells show that groundwater flow in the shallow flow zone is overall to the northwest (Figure 2). Groundwater flow in the deep Tuscumbia-Fort Payne aquifer flow zone appears to be also generally to the northwest (Figure 3). Regional surface and groundwater flow is ultimately towards Pickwick Lake, located to the north and west, slightly more than a mile from the site.



There is no residential use of groundwater in the Sheffield, Alabama area. The Sheffield area derives its public water supply from Pickwick Lake, at a pumping station located about 2.3 miles downstream from the O'Neal Bridge.

3.0 MONITORING WELL NETWORK

The monitoring well network at the site originally consisted of 11 wells: MW-1; MW-2; MW-3B; MW-4; MW-5; MW-6; MW-7; MW-9; MW-10; MW-11; and MW-12. Monitoring wells MW-1, MW-2; MW-3B; MW-4 and MW-6 were abandoned with the prior approval of ADEM in June 1998. Three additional monitoring wells (MW-13, MW-14 and MW-15) were added in July 1999. A monitoring well summary is provided in Appendix A, Table 1. Monitoring wells MW-5, MW-10, MW-11, MW-12 and MW-15 are deep wells completed within the lower flow zone of the Tuscumbia-Fort Payne aquifer. Monitoring wells MW-7, MW-9, MW-13 and MW-14 are completed in the shallow flow zone. Well and water level data used in this report have been registered to the elevations established by a former site survey. The Point of Compliance wells for the subject wells include MW-9, MW-11, MW-12, MW-13, MW-14 and MW-15.

4.0 GROUNDWATER SAMPLING AND ANALYSIS

A list of the groundwater parameters included for analysis during this semi-annual sampling event is presented in Appendix A, Table 2. A summary of the groundwater analytical data for the March 14, 2001 sampling event is included in Appendix A, Table 3.

Prior to purging and sample collection, static water-level measurements were taken at each well using an electronic water-level indicator. Groundwater elevations were calculated using surveyed well elevation data (Appendix A, Table 4). The depth to water was used to calculate the volume of standing water in each well prior to purging. The water-level indicator was decontaminated between wells.

Before groundwater samples were collected, approximately three casing volumes of water were purged from each well using a submersible pump or disposable polyethylene



bailers. When used, the submersible pump was decontaminated between wells.

Groundwater samples were obtained and analyzed in accordance with EPA protocols. Test America, Inc. provided analytical services for each sampling event. Test America, Inc. maintains a strict quality control/quality assurance program. Chain-of-custody control for samples was maintained. Laboratory reports and chain of custody records for the March 2001 sampling event is included as Appendix B.

The field parameters of temperature, pH, and specific conductance were measured for the March 2001 sampling event and are included in Appendix A, Table 5. Monitoring well sampling records are provided in Appendix C.

5.0 DATA EVALUATION

5.1 GROUNDWATER FLOW REGIME

Water-level elevations collected from the site monitoring wells are provided in Appendix A, Table 4. Groundwater elevations indicate that monitoring wells MW-7, MW-9, MW-13 and MW-14 are completed within a shallow flow zone occurring in soil and cherty residuum above bedrock. Water-level elevations indicate that monitoring wells MW-5, MW-10, MW-11, MW-12 and MW-15 are completed in a deep flow zone within the underlying bedrock. Water-level elevations were observed to be 26.89 feet lower in the deep well MW-10 as compared to shallow well MW-7. Water-level elevations were 25.77 feet lower in the deep well MW-12 as compared to shallow well MW-9. Water-level elevations were 26.14 feet lower in the deep well MW-15 as compared to shallow well MW-14.

5.1.1 Shallow Flow Zone

The groundwater levels in the shallow wells measured during the March 2001 sampling event indicated a maximum difference in elevation of 8.63 feet across the site in the shallow flow zone. The configuration of the potentiometric surfaces for the March 2001 sampling event as derived from water-level measurements for the shallow wells are shown in Figure 2. The shallow hydraulic gradient across the site during the March 2001



sampling event was approximately 0.012 ft/ft. As can be seen in the above-referenced figures, the overall general direction of shallow groundwater flow is to the northwest.

5.1.2 Deep Flow Zone

A lower flow zone within the Tuscumbia-Fort Payne aquifer is also present beneath the site; this flow zone is artesian at the site location, with the overlying residual clays acting as an aquitard and semi-confining layer across most of the site. The groundwater levels in the deep monitoring wells indicated a maximum difference in elevation of 7.88 feet across the site in the deep flow zone during the March 2001 sampling event. The difference in groundwater elevation at the off-site deep upgradient well (MW-10) and closest upgradient shallow well (MW-7) was 26.89 feet at the time of the March 2001 event. The difference in groundwater elevation at the off-site deep downgradient gradient well (MW-12) and paired downgradient shallow well (MW-9) was 25.77 feet at the time of March 2001 sampling event.

The vertical hydraulic gradient at the MW-9 and MW-12 paired wells was calculated to be 0.74 ft/ft during the March 2001 event. The vertical hydraulic gradient calculated for wells MW-7 and MW-10 was 0.12 ft/ft during the March 2001 event. Based on water-level elevations, well pair locations have a vertically downward component of flow. Given the relatively level existing surface topography in the site vicinity, the highly variable vertical hydraulic gradient at the paired well location cannot be attributed solely to topographic control and is most likely dependent upon the three-dimensional network of solution openings in the bedrock.

Based on groundwater measurements collected from the deep monitoring wells (MW-5, MW-10, MW-12 and MW-15), the direction of deep groundwater flow at the site is to the northwest. The configuration of the potentiometric surface as derived from water-level measurements for the deep wells is shown in Figures 3. The calculated horizontal hydraulic gradient of the deep aquifer was approximately 0.009 ft/ft during the March 2001 event.



5.2 GROUNDWATER QUALITY

Data from the shallow monitoring wells MW-9, MW-13 and MW-14 were compared to data for the shallow background monitoring well MW-7, and data for the deep monitoring wells MW-5, MW-11, MW-12 and MW-15 were compared to data for the deep background monitoring well MW-10. The observed values are also compared to the respective MCL for each constituent.

Federal and state agencies have established health standards and criteria that mandate or suggest maximum contaminant levels (MCLs) allowable in drinking water. The concentrations of contaminants reported in samples from the subject site were also evaluated with respect to these established health standards or criteria. The health standards and criteria applied to each of the parameters detected during this investigation are: the MCL, EPA 540/1-86/060; the EPA Drinking Water Regulations and Health Advisories (Summer 2000); and the Alabama Drinking Water Standards ADEM Administrative Code 335-7-2-.03 and 335-7-2-.04.

Based on the laboratory analytical results of the sample collected during the March 2001 event the groundwater sample from MW-5 indicated two constituents, 1-1-Dichloroethene (0.051 ppm) and 1-1-Dichloroethane (0.039 ppm), above the published MCLs. No other analyzed constituents were reported to be present above the published MCLs in any of the other samples collected during the March 2001 sampling event.

Aluminum, Barium and Zinc were detected at concentrations below their respective MCLs in many of the samples collected during this sampling event.

5.3 STATISTICAL ANAYLSIS

The statistical analysis conducted as part of this semi-annual sampling event included the parameters included in Appendix A – Table 2 for comparison of downgradient constituent concentrations to background values. Due to the installation of additional point of compliance wells (POC) at the facility in 1999 and the completion of the fourth sampling event from the new POC wells, Delta from this sampling event forward will use the Kruskal-Wallis Test, as recommended in EPA (1992). This non-parametric test



utilizes the ranked values of the groundwater data for each constituent and provides a statistic indicating the likelihood that downgradient data are significantly greater than background values.

Additionally, the Post Closure Permit Application recently approved for this facility designates MW-5 as a standard monitoring well or piezometer. In the future, only field parameters and water level measurements are required to be collected from this monitoring well. Due to the fact that no constituent data will be obtained from MW-5 during future sampling events, it has been removed from the data set and will no longer be included in the statistical analysis.

Due to the presence of two distinct water-bearing zones beneath site as discussed in Section 5.0, the statistical analysis of the constituent data for the shallow flow zone was compared separately from that of the deeper flow zone. The results of the statistical analysis for the shallow and deep wells are included as Appendix D and Appendix E respectively.

The statistical analysis was conducted using ChemStat™ *RCRA Subtitle C & D Statistical Analysis* software. Please note that ChemStat™ converts the reported constituent concentrations (mg/L) to ug/L for statistical comparison.

The result for each constituent, Z, can be compared to a normal distribution to determine the likelihood that the values obtained through sampling and analysis occurred by random chance. If the Z-statistic of a constituent is greater than the $Z_{0.01}$ level, then it is likely that the constituents present in the downgradient wells are at statistically greater concentrations than in the upgradient wells.

Based on this statistical analysis, barium was present at a statistically higher concentration in one shallow downgradient well (MW-14) as compared to the shallow background levels (MW-7). No other constituents were determined to be significantly different in any of the other downgradient wells. There were no significant differences noted in any of the downgradient wells screened in the deeper flow as compared to the deep upgradient well (MW-10).



Based on the findings of the statistical analysis, barium was the only parameter detected at significantly different concentrations as compared to background in the shallow flow beneath the site. The barium concentration (0.109 ppm) present in the groundwater sample collected from MW-14 during the March 2001 sampling event is well below the published Maximum Concentration Limit (MCL) for barium of 2.0 ppm, as given in The U.S. EPA *Drinking Water Standards and Health Advisories, Summer 2000.*

Additionally, review of the Circular 122J, Water in Alabama, 1992 prepared by the Alabama Geological Survey, indicated that previous surface water and groundwater quality studies have determined that barium is present in a majority of the public drinking water supplies in Alabama. The concentrations of barium in samples collected from groundwater wells and surface water bodies across the State range from below the detection limit of 0.003 ppm to 1.020 ppm.

6.0 SUMMARY AND CONCLUSIONS

Based on the analyses presented in this annual groundwater monitoring report, no constituents of concern were detected at concentrations above the published Maximum Concentration Limit (MCLs) in any of the down-gradient offsite monitoring wells.

Based on the findings of the statistical analysis, barium was the only parameter detected at significantly different concentrations as compared to background in the shallow flow beneath the site. The barium concentration (0.109 ppm) present in the groundwater sample collected from MW-14 during the March 2001 sampling event is well below the published MCL for barium of 2.0 ppm, as given in The U.S. EPA *Drinking Water Standards and Health Advisories, Summer 2000.*

Additionally, surface water and groundwater research information prepared by the Alabama Geological Survey, state that previous surface water and groundwater quality studies have determined that barium is present in a majority of the public drinking water supplies in Alabama. The concentrations of barium in samples collected from groundwater wells and surface water bodies across the State range from below the detection limit of 0.003 ppm to 1.020 ppm.



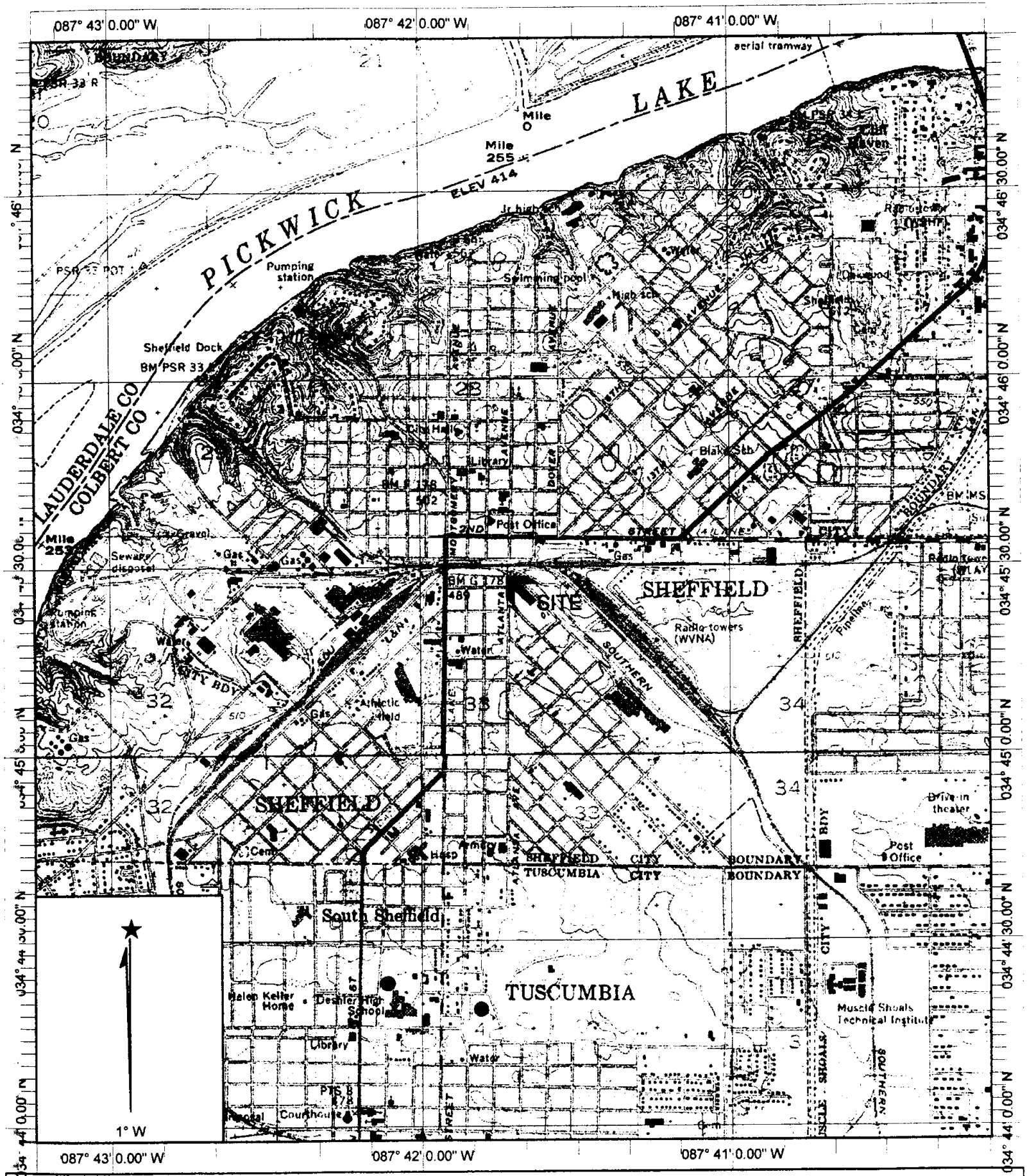
Historical groundwater data indicates that barium has been detected at varying concentrations, in each of the monitoring wells screened in both shallow and deep flow zones in every sampling event. Based on the spatial distribution of barium across site and it's historically consistent presence in groundwater beneath the site, Highland Technical Services, Inc. is of the opinion that barium occurs naturally in dissolved concentrations in the local area of Delta and is not the result of past operations at the facility.

7.0 QUALIFICATIONS

Our evaluation of hydrogeologic conditions at this site is based on available information and data obtained during research and field study. These services have been performed in accordance with generally accepted standards of performance for this level of activity. Our conclusions are based on the conditions established by this study.

Highland Technical Services, Inc. is not responsible for the conclusions and opinions made by others based on the findings of this report.



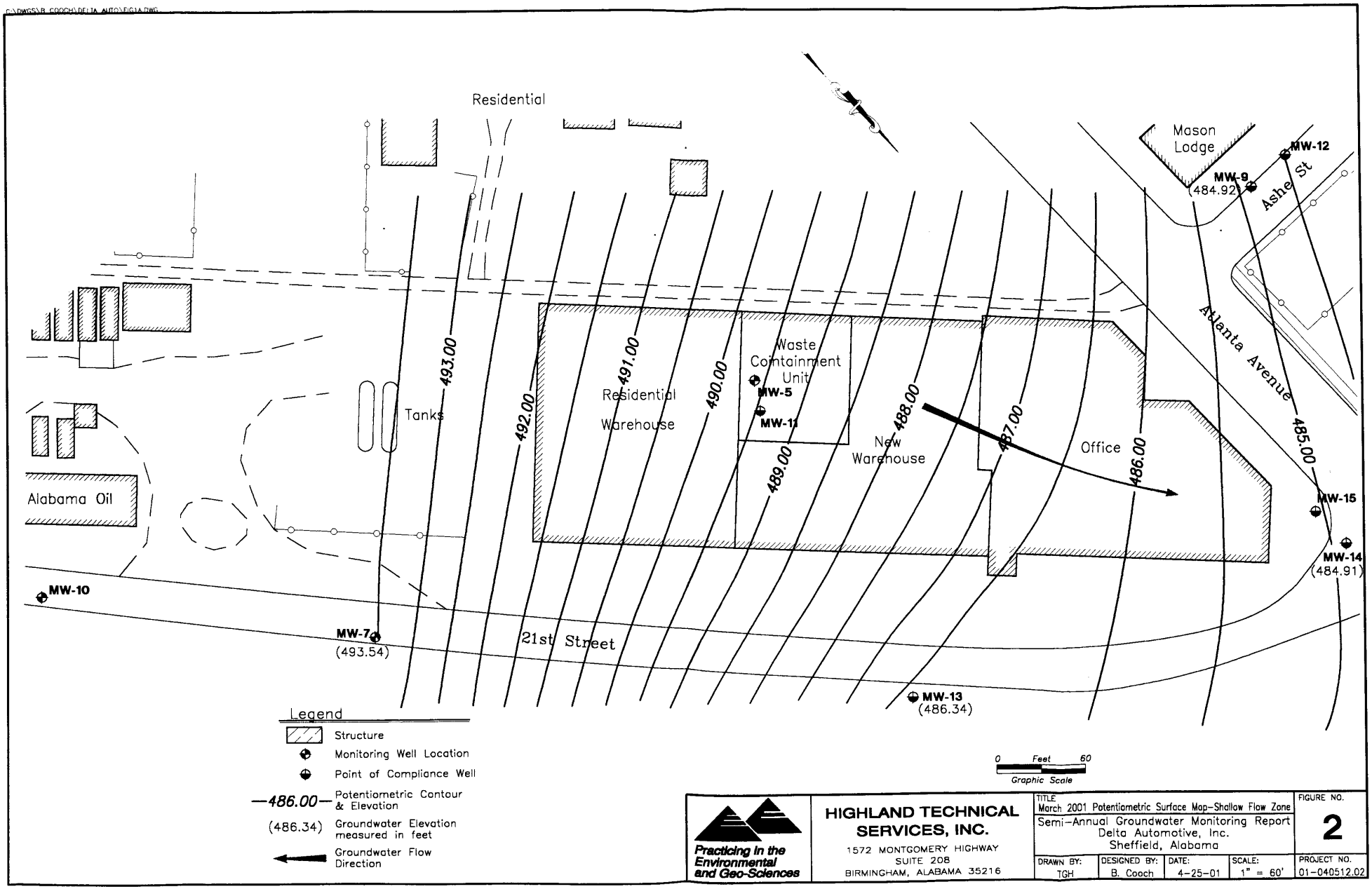


Name: FLORENCE
Date: 5/11/2001
Scale: 1 inch equals 2000 feet

Location: 034° 45' 26.3" N 087° 41' 42.0" W
Caption: Figure 1
Delta Automotive, Inc.
March 2001

Copyright (C) 1997, Maptech, Inc.

C:\DWGS\B_COOCH\DELTA_AUTO\FIG1A.DWG



Practicing in the Environmental and Geo-Sciences

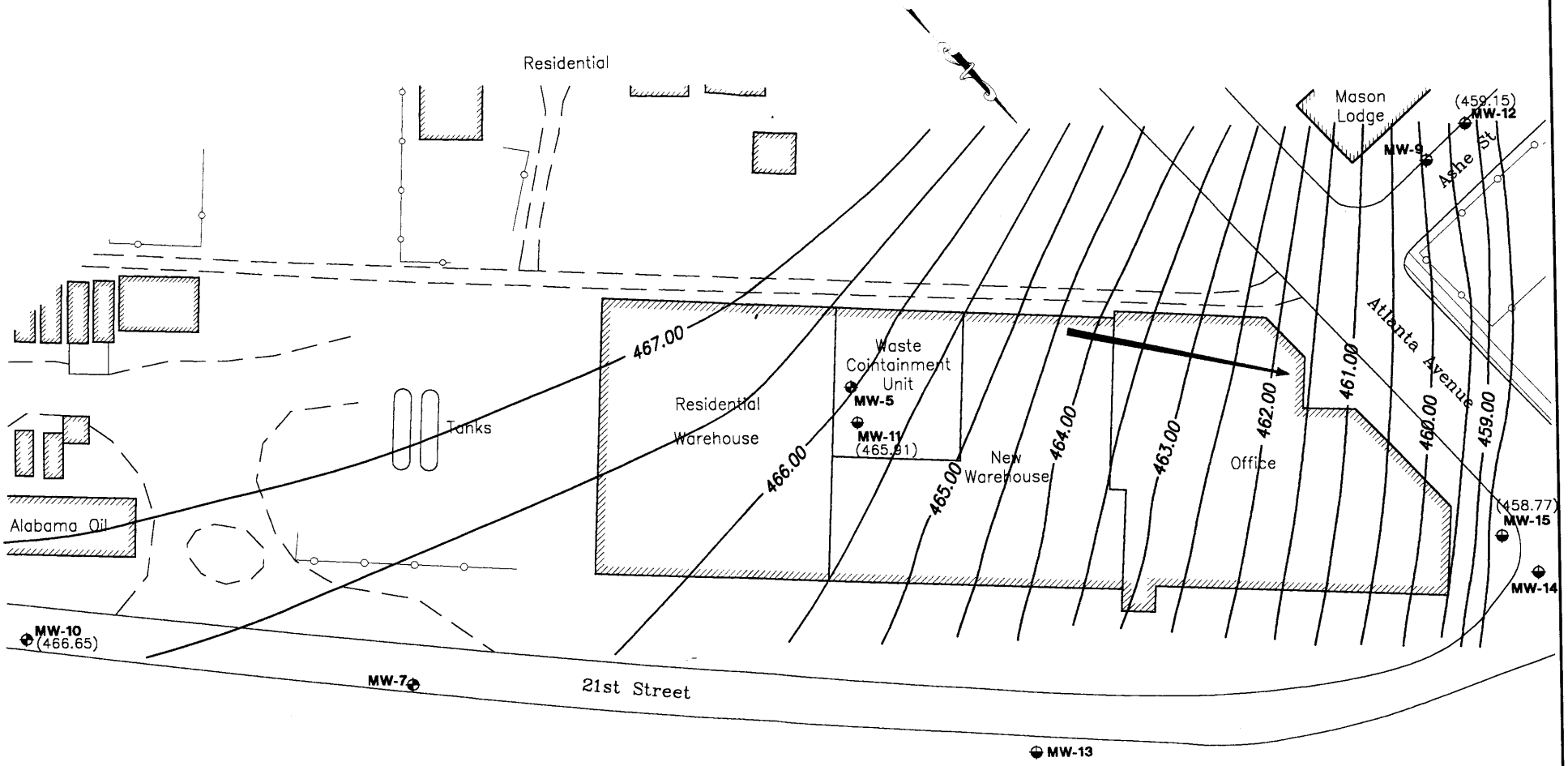
HIGHLAND TECHNICAL SERVICES, INC.
1572 MONTGOMERY HIGHWAY
SUITE 208
BIRMINGHAM, ALABAMA 35216

TITLE: March 2001 Potentiometric Surface Map–Shallow Flow Zone
Semi–Annual Groundwater Monitoring Report
Delta Automotive, Inc.
Sheffield, Alabama

FIGURE NO. 2

DRAWN BY:	DESIGNED BY:	DATE:	SCALE:	PROJECT NO.
TGH	B. Cooch	4–25–01	1" = 60'	01–040512.02

C:\DWGS\B_COOCH\DELTA_AUTO\FIG3A.DWG



Legend

- Structure
- Monitoring Well Location
- Point of Compliance Well
- —467.00— Potentiometric Contour & Elevation
- (458.77) Groundwater Elevation measured in feet
- Groundwater Flow Direction

0 Feet 60
Graphic Scale

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HIGHLAND TECHNICAL SERVICES, INC.
1572 MONTGOMERY HIGHWAY
SUITE 208
BIRMINGHAM, ALABAMA 35216

TITLE
March 2001 Potentiometric Surface Map-Deep Flow Zone
Semi-Annual Groundwater Monitoring Report
Delta Automotive, Inc.
Sheffield, Alabama

FIGURE NO. 3

DRAWN BY:	DESIGNED BY:	DATE:	SCALE:	PROJECT NO.
TGH	B. Cooch	4-25-01	1" = 60'	01-040512.02

Table 1 Monitoring Well Summary
Delta Automotive, Inc. Sheffield, Alabama

Well Number	Top of Riser (ft MSL)	Measured Total Depth*	Screened Interval	Well Construction Materials			
				Riser and Screen	Grout (ft bls)	Bentonite (ft bls)	Sand Pack (ft bls)
MW-5	500.41	60.94	40.5-60.5	PVC	0.0-30.5	30.5-33.5	33.5-60.5
MW-7	501.02	26.05	27.0-37.0	PVC	0.0-22.0	22.0-25.0	25.0-37.0
MW-9	496.81	40.92	31.0-41.0	PVC	0.0-26.0	26.0-28.0	28.0-41.0
MW-10	503.82	78.80	69.3-79.3	PVC	0.0-62.0	62.0-65.0	65.0-79.3
MW-11	500.42	123.85	115.8-125.8	PVC	0.0-105.2	105.2-110.1	110.1-125.8
MW-12	496.98	69.98	60.0-70.0	PVC	54.0-57.0	54.0-57.0	57.0-75.0
MW-13	498.27	39.84	20.0-40.0	PVC	0.0-17.0	17.0-18.0	18.0-40.0
MW-14	499.82	34.81	20.0-35.0	PVC	0.0-17.0	17.0-18.0	18.0-35.0
MW-15	499.40	141.13	122.0-142.0	PVC	0.0-119.0	119.0-120.0	120.0-142.0

* Measured initial total depth in feet below top of casing
ft bls = feet below land surface
ft MSL = feet above mean sea level

Table 2 Groundwater Analytical Parameters
Delta Automotive – Sheffield, Alabama

METHOD 6010

Aluminum
Arsenic
Barium
Cadmium
Chromium
Lead
Silver
Zinc

METHOD 9066

Phenol

METHOD 8260

Acetone
Benzene
n-Butylbenzene
t-Butylbenzene
Carbon Tetrachloride
Chloroethane
Chloroform
1-1-Dichloroethylene
1-1-Dichloroethane
1-2-Dichloroethane
cis-1,3-Dichloropropene
Ethylbenzene
Isopropylbenzene
n-Propylbenzene
1,1,1-Trichloroethane
1,1,2-Trichloroethane
Trichloroethene
1,2,4 Trimethylbenzene
Vinyl Chloride
Xylenes
Bromodichloromethane

Table 3 Summary of Groundwater Analytical Results
Delta Automotive – Sheffield, Alabama
Samples Collected March 14, 2001

Analytical Parameter	MW-5	MW-7	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15
Aluminum	0.392	0.075	ND	0.099	0.107	1.14	ND	0.127	0.093
Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	ND
Barium	0.027	0.037	0.017	0.016	0.038	0.042	0.055	0.109	0.070
Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lead	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc	ND	ND	ND	ND	0.026	0.029	ND	ND	0.027
Phenol	ND	ND	ND	ND	ND	ND	ND	ND	0.051
Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND
t-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND
1-1-Dichloroethene	**0.051**	ND	ND	ND	ND	ND	ND	ND	ND
1-1-Dichloroethane	**0.039**	ND	ND	ND	ND	ND	ND	ND	ND
1-2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.002	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	0.002	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4 Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes	ND	ND	ND	0.005	ND	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND

Concentrations reported in parts per million (mg/l)
ND = Not Detected
Bold Font indicates concentrations detected above the MCL.

Table 4 Groundwater Elevations
Delta Automotive, Inc. – Sheffield, Alabama
March 14, 2001

Monitoring Well Number	Measurement Date	Top of Casing Elevation	Depth to Water	Groundwater Elevation
MW-5	3/14/2001	502.39	38.59	463.80
MW-7	3/14/2001	501.02	7.66	493.54
MW-9	3/14/2001	496.81	11.89	484.92
MW-10	3/14/2001	503.82	37.17	466.65
MW-11	3/14/2001	501.78	35.87	465.91
MW-12	3/14/2001	496.98	37.83	459.15
MW-13	3/14/2001	498.27	11.93	486.34
MW-14	3/14/2001	499.82	14.91	484.91
MW-15	3/14/2001	499.40	40.63	458.77

Top of Casing elevations are referenced to an arbitrary benchmark of 500 feet.

Table 5 Temperature, pH and Specific Conductance
Delta Automotive, Inc. – Sheffield, Alabama
March 14, 2001

Monitoring Well Number	Temperature (Degrees Celsius)	pH Standard Units	Specific Conductance (Micromhos/cm)
MW-5	18.7	7.2	17
MW-7	14.9	7.9	11
MW-9	17.3	7.8	11
MW-10	15.8	7.9	33
MW-11	19.1	6.7	41
MW-12	17.9	7.8	32
MW-13	15.0	7.3	13
MW-14	15.8	6.7	30
MW-15	16.7	6.9	47

TestAmerica
INCORPORATED

ANALYTICAL REPORT

DELTA AUTOMOTIVE, INC. 8208
JIM MATTHEWS
103 S. ATLANTA AVE
SHEFFIELD, AL 35660

Project:
Project Name:
Sampler: H.YOUNGBLOOD

Lab Number: 01-A34201
Sample ID: MW-5
Sample Type: Ground water
Site ID:

Date Collected: 3/14/01
Time Collected: 10:40
Date Received: 3/15/01
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS										
Acetone	ND	mg/l	0.0500	0.0500	1	3/17/01	17:26	C. Wani	8260B	4294
Benzene	ND	mg/l	0.0020	0.0020	1	3/17/01	17:26	C. Wani	8260B	4294
n-Butylbenzene	ND	mg/l	0.0020	0.0020	1	3/17/01	17:26	C. Wani	8260B	4294
t-Butylbenzene	ND	mg/l	0.0020	0.0020	1	3/17/01	17:26	C. Wani	8260B	4294
Carbon tetrachloride	ND	mg/l	0.0020	0.0020	1	3/17/01	17:26	C. Wani	8260B	4294
Chloroethane	ND	mg/l	0.0020	0.0020	1	3/17/01	17:26	C. Wani	8260B	4294
Chloroform	ND	mg/l	0.0020	0.0020	1	3/17/01	17:26	C. Wani	8260B	4294
1,1-Dichloroethane	0.0393	mg/l	0.0020	0.0020	1	3/17/01	17:26	C. Wani	8260B	4294
1,2-Dichloroethane	ND	mg/l	0.0020	0.0020	1	3/17/01	17:26	C. Wani	8260B	4294
1,1-Dichloroethene	0.0512	mg/l	0.0020	0.0020	1	3/17/01	17:26	C. Wani	8260B	4294
cis-1,3-Dichloropropene	ND	mg/l	0.0020	0.0020	1	3/17/01	17:26	C. Wani	8260B	4294
Ethylbenzene	ND	mg/l	0.0020	0.0020	1	3/17/01	17:26	C. Wani	8260B	4294
Hexachlorobutadiene	ND	mg/l	0.0020	0.0020	1	3/17/01	17:26	C. Wani	8260B	4294
Isopropylbenzene	ND	mg/l	0.0020	0.0020	1	3/17/01	17:26	C. Wani	8260B	4294
n-Propylbenzene	ND	mg/l	0.0020	0.0020	1	3/17/01	17:26	C. Wani	8260B	4294
1,1,1-Trichloroethane	0.0020	mg/l	0.0020	0.0020	1	3/17/01	17:26	C. Wani	8260B	4294
1,1,2-Trichloroethane	ND	mg/l	0.0020	0.0020	1	3/17/01	17:26	C. Wani	8260B	4294
Trichloroethene	0.0026	mg/l	0.0020	0.0020	1	3/17/01	17:26	C. Wani	8260B	4294
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	0.0020	1	3/17/01	17:26	C. Wani	8260B	4294
Vinyl chloride	ND	mg/l	0.0020	0.0020	1	3/17/01	17:26	C. Wani	8260B	4294
Xylenes, Total	ND	mg/l	0.0020	0.0020	1	3/17/01	17:26	C. Wani	8260B	4294
Bromodichloromethane	ND	mg/l	0.0020	0.0020	1	3/17/01	17:26	C. Wani	8260B	4294
METALS										
Aluminum, Total	0.392	mg/l	0.0500	0.0500	1	3/18/01	20:11	G.Robinson	6010B	1583
Arsenic, Total	ND	mg/l	0.0050	0.0050	1	3/18/01	20:11	G.Robinson	6010B	1583
Barium, Total	0.0270	mg/l	0.0100	0.0100	1	3/18/01	20:11	G.Robinson	6010B	1583
Cadmium, total	ND	mg/l	0.0010	0.0010	1	3/18/01	20:11	G.Robinson	6010B	1583
Chromium, total	ND	mg/l	0.0050	0.0050	1	3/18/01	20:11	G.Robinson	6010B	1583

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 01-A34201
Sample ID: MW-5
Project:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Lead	ND	mg/l	0.0030	0.0030	1	3/18/01	20:11	G.Robinson	6010B	1583
Silver, Total	ND	mg/l	0.00500	0.00500	1	3/18/01	20:11	G.Robinson	6010B	1583
Zinc, Total	ND	mg/l	0.0200	0.0200	1	3/18/01	20:11	G.Robinson	6010B	1583
MISCELLANEOUS CHEMISTRY										
Phenolics	ND	mg/l	0.050	0.050	1	3/17/01	15:30	Hardcastle	9066M	1546

ND = Not detected at the report limit.

Surrogate	% Recovery	Target Range
VOA Surr, 1,2-DCA, d4	105.	71. - 136.
VOA Surr, Toluene d8	113.	69. - 129.
VOA Surr, 4-BFB	97.	65. - 122.
VOA Surr, DBFM	120.	61. - 139.

= Recovery outside Laboratory historical limits.

Phenolics method modified for midi-distillation with Lachat procedure.

These results relate only to the items tested.
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Report Approved By: _____ Report Date: 3/21/01

Paul E. Lane, Jr., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Gail A. Lage, Technical Serv.
Glenn L. Norton, Technical Serv.
Kelly S. Comstock, Technical Serv.
Pamela A. Langford, Technical Serv.

End of Sample Report.

TestAmerica
INCORPORATED

ANALYTICAL REPORT

DELTA AUTOMOTIVE, INC. 8208
JIM MATTHEWS
103 S. ATLANTA AVE
SHEFFIELD, AL 35660

Project:
Project Name:
Sampler: H.YOUNGBLOOD

Lab Number: 01-A34202
Sample ID: MW-7
Sample Type: Ground water
Site ID:

Date Collected: 3/14/01
Time Collected: 9:10
Date Received: 3/15/01
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS										
Acetone	ND	mg/l	0.0500	0.0500	1	3/17/01	18:03	C. Wani	8260B	4294
Benzene	ND	mg/l	0.0020	0.0020	1	3/17/01	18:03	C. Wani	8260B	4294
n-Butylbenzene	ND	mg/l	0.0020	0.0020	1	3/17/01	18:03	C. Wani	8260B	4294
t-Butylbenzene	ND	mg/l	0.0020	0.0020	1	3/17/01	18:03	C. Wani	8260B	4294
Carbon tetrachloride	ND	mg/l	0.0020	0.0020	1	3/17/01	18:03	C. Wani	8260B	4294
Chloroethane	ND	mg/l	0.0020	0.0020	1	3/17/01	18:03	C. Wani	8260B	4294
Chloroform	ND	mg/l	0.0020	0.0020	1	3/17/01	18:03	C. Wani	8260B	4294
1,1-Dichloroethane	ND	mg/l	0.0020	0.0020	1	3/17/01	18:03	C. Wani	8260B	4294
1,2-Dichloroethane	ND	mg/l	0.0020	0.0020	1	3/17/01	18:03	C. Wani	8260B	4294
1,1-Dichloroethene	ND	mg/l	0.0020	0.0020	1	3/17/01	18:03	C. Wani	8260B	4294
cis-1,3-Dichloropropene	ND	mg/l	0.0020	0.0020	1	3/17/01	18:03	C. Wani	8260B	4294
Ethylbenzene	ND	mg/l	0.0020	0.0020	1	3/17/01	18:03	C. Wani	8260B	4294
Hexachlorobutadiene	ND	mg/l	0.0020	0.0020	1	3/17/01	18:03	C. Wani	8260B	4294
Isopropylbenzene	ND	mg/l	0.0020	0.0020	1	3/17/01	18:03	C. Wani	8260B	4294
n-Propylbenzene	ND	mg/l	0.0020	0.0020	1	3/17/01	18:03	C. Wani	8260B	4294
1,1,1-Trichloroethane	ND	mg/l	0.0020	0.0020	1	3/17/01	18:03	C. Wani	8260B	4294
1,1,2-Trichloroethane	ND	mg/l	0.0020	0.0020	1	3/17/01	18:03	C. Wani	8260B	4294
Trichloroethene	ND	mg/l	0.0020	0.0020	1	3/17/01	18:03	C. Wani	8260B	4294
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	0.0020	1	3/17/01	18:03	C. Wani	8260B	4294
Vinyl chloride	ND	mg/l	0.0020	0.0020	1	3/17/01	18:03	C. Wani	8260B	4294
Xylenes, Total	ND	mg/l	0.0020	0.0020	1	3/17/01	18:03	C. Wani	8260B	4294
Bromodichloromethane	ND	mg/l	0.0020	0.0020	1	3/17/01	18:03	C. Wani	8260B	4294
METALS										
Aluminum, Total	0.0750	mg/l	0.0500	0.0500	1	3/18/01	20:11	G.Robinson	6010B	1583
Arsenic, Total	ND	mg/l	0.0050	0.0050	1	3/18/01	20:11	G.Robinson	6010B	1583
Barium, Total	0.0370	mg/l	0.0100	0.0100	1	3/18/01	20:11	G.Robinson	6010B	1583
Cadmium, total	ND	mg/l	0.0010	0.0010	1	3/18/01	20:11	G.Robinson	6010B	1583
Chromium, total	ND	mg/l	0.0050	0.0050	1	3/18/01	20:11	G.Robinson	6010B	1583

Sample report continued . . .

TestAmerica
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ANALYTICAL REPORT

Laboratory Number: 01-A34202
Sample ID: MW-7
Project:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Lead	ND	mg/l	0.0030	0.0030	1	3/18/01	20:11	G.Robinson	6010B	1583
Silver, Total	ND	mg/l	0.00500	0.00500	1	3/18/01	20:11	G.Robinson	6010B	1583
Zinc, Total	ND	mg/l	0.0200	0.0200	1	3/18/01	20:11	G.Robinson	6010B	1583
MISCELLANEOUS CHEMISTRY										
Phenolics	ND	mg/l	0.050	0.050	1	3/17/01	15:30	Hardcastle	9066M	1546

ND = Not detected at the report limit.

Surrogate	% Recovery	Target Range
VOA Surr, 1,2-DCA, d4	107.	71. - 136.
VOA Surr, Toluene d8	112.	69. - 129.
VOA Surr, 4-BFB	97.	65. - 122.
VOA Surr, DBFM	120.	61. - 139.

= Recovery outside Laboratory historical limits.

Phenolics method modified for midi-distillation with Lachat procedure.

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Report Approved By: _____ Report Date: 3/21/01

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End of Sample Report.

TestAmerica
INCORPORATED

ANALYTICAL REPORT

DELTA AUTOMOTIVE, INC. 8208
JIM MATTHEWS
103 S. ATLANTA AVE
SHEFFIELD, AL 35660

Project:
Project Name:
Sampler: H.YOUNGBLOOD

Lab Number: 01-A34203
Sample ID: MW-9
Sample Type: Ground water
Site ID:

Date Collected: 3/14/01
Time Collected: 10:25
Date Received: 3/15/01
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS										
Acetone	ND	mg/l	0.0500	0.0500	1	3/17/01	18:39	C. Wani	8260B	4294
Benzene	ND	mg/l	0.0020	0.0020	1	3/17/01	18:39	C. Wani	8260B	4294
n-Butylbenzene	ND	mg/l	0.0020	0.0020	1	3/17/01	18:39	C. Wani	8260B	4294
t-Butylbenzene	ND	mg/l	0.0020	0.0020	1	3/17/01	18:39	C. Wani	8260B	4294
Carbon tetrachloride	ND	mg/l	0.0020	0.0020	1	3/17/01	18:39	C. Wani	8260B	4294
Chloroethane	ND	mg/l	0.0020	0.0020	1	3/17/01	18:39	C. Wani	8260B	4294
Chloroform	ND	mg/l	0.0020	0.0020	1	3/17/01	18:39	C. Wani	8260B	4294
1,1-Dichloroethane	ND	mg/l	0.0020	0.0020	1	3/17/01	18:39	C. Wani	8260B	4294
1,2-Dichloroethane	ND	mg/l	0.0020	0.0020	1	3/17/01	18:39	C. Wani	8260B	4294
1,1-Dichloroethene	ND	mg/l	0.0020	0.0020	1	3/17/01	18:39	C. Wani	8260B	4294
cis-1,3-Dichloropropene	ND	mg/l	0.0020	0.0020	1	3/17/01	18:39	C. Wani	8260B	4294
Ethylbenzene	ND	mg/l	0.0020	0.0020	1	3/17/01	18:39	C. Wani	8260B	4294
Hexachlorobutadiene	ND	mg/l	0.0020	0.0020	1	3/17/01	18:39	C. Wani	8260B	4294
Isopropylbenzene	ND	mg/l	0.0020	0.0020	1	3/17/01	18:39	C. Wani	8260B	4294
n-Propylbenzene	ND	mg/l	0.0020	0.0020	1	3/17/01	18:39	C. Wani	8260B	4294
1,1,1-Trichloroethane	ND	mg/l	0.0020	0.0020	1	3/17/01	18:39	C. Wani	8260B	4294
1,1,2-Trichloroethane	ND	mg/l	0.0020	0.0020	1	3/17/01	18:39	C. Wani	8260B	4294
Trichloroethene	ND	mg/l	0.0020	0.0020	1	3/17/01	18:39	C. Wani	8260B	4294
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	0.0020	1	3/17/01	18:39	C. Wani	8260B	4294
Vinyl chloride	ND	mg/l	0.0020	0.0020	1	3/17/01	18:39	C. Wani	8260B	4294
Xylenes, Total	ND	mg/l	0.0020	0.0020	1	3/17/01	18:39	C. Wani	8260B	4294
Bromodichloromethane	ND	mg/l	0.0020	0.0020	1	3/17/01	18:39	C. Wani	8260B	4294
METALS										
Aluminum, Total	ND	mg/l	0.0500	0.0500	1	3/18/01	20:11	G.Robinson	6010B	1583
Arsenic, Total	ND	mg/l	0.0050	0.0050	1	3/18/01	20:11	G.Robinson	6010B	1583
Barium, Total	0.0170	mg/l	0.0100	0.0100	1	3/18/01	20:11	G.Robinson	6010B	1583
Cadmium, total	ND	mg/l	0.0010	0.0010	1	3/18/01	20:11	G.Robinson	6010B	1583
Chromium, total	ND	mg/l	0.0050	0.0050	1	3/18/01	20:11	G.Robinson	6010B	1583

Sample report continued . . .

TestAmerica
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ANALYTICAL REPORT

Laboratory Number: 01-A34203
Sample ID: MW-9
Project:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Lead	ND	mg/l	0.0030	0.0030	1	3/18/01	20:11	G.Robinson	6010B	1583
Silver, Total	ND	mg/l	0.00500	0.00500	1	3/18/01	20:11	G.Robinson	6010B	1583
Zinc, Total	ND	mg/l	0.0200	0.0200	1	3/18/01	20:11	G.Robinson	6010B	1583
MISCELLANEOUS CHEMISTRY										
Phenolics	ND	mg/l	0.050	0.050	1	3/17/01	15:30	Hardcastle	9066M	1546

ND = Not detected at the report limit.

Surrogate	% Recovery	Target Range
VOA Surr, 1,2-DCA, d4	109.	71. - 136.
VOA Surr, Toluene d8	113.	69. - 129.
VOA Surr, 4-BFB	97.	65. - 122.
VOA Surr, DBFM	119.	61. - 139.

= Recovery outside Laboratory historical limits.

Phenolics method modified for midi-distillation with Lachat procedure.

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Report Approved By: _____ Report Date: 3/21/01

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Kelly S. Comstock, Technical Serv.
Pamela A. Langford, Technical Serv.

End of Sample Report.

TestAmerica
INCORPORATED

ANALYTICAL REPORT

DELTA AUTOMOTIVE, INC. 8208
JIM MATTHEWS
103 S. ATLANTA AVE
SHEFFIELD, AL 35660

Lab Number: 01-A34204
Sample ID: MW-10
Sample Type: Ground water
Site ID:

Project:
Project Name:
Sampler: H.YOUNGBLOOD

Date Collected: 3/14/01
Time Collected: 8:50
Date Received: 3/15/01
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS										
Acetone	ND	mg/l	0.0500	0.0500	1	3/17/01	19:17	C. Wani	8260B	4294
Benzene	ND	mg/l	0.0020	0.0020	1	3/17/01	19:17	C. Wani	8260B	4294
n-Butylbenzene	ND	mg/l	0.0020	0.0020	1	3/17/01	19:17	C. Wani	8260B	4294
t-Butylbenzene	ND	mg/l	0.0020	0.0020	1	3/17/01	19:17	C. Wani	8260B	4294
Carbon tetrachloride	ND	mg/l	0.0020	0.0020	1	3/17/01	19:17	C. Wani	8260B	4294
Chloroethane	ND	mg/l	0.0020	0.0020	1	3/17/01	19:17	C. Wani	8260B	4294
Chloroform	ND	mg/l	0.0020	0.0020	1	3/17/01	19:17	C. Wani	8260B	4294
1,1-Dichloroethane	ND	mg/l	0.0020	0.0020	1	3/17/01	19:17	C. Wani	8260B	4294
1,2-Dichloroethane	ND	mg/l	0.0020	0.0020	1	3/17/01	19:17	C. Wani	8260B	4294
1,1-Dichloroethene	ND	mg/l	0.0020	0.0020	1	3/17/01	19:17	C. Wani	8260B	4294
cis-1,3-Dichloropropene	ND	mg/l	0.0020	0.0020	1	3/17/01	19:17	C. Wani	8260B	4294
Ethylbenzene	ND	mg/l	0.0020	0.0020	1	3/17/01	19:17	C. Wani	8260B	4294
Hexachlorobutadiene	ND	mg/l	0.0020	0.0020	1	3/17/01	19:17	C. Wani	8260B	4294
Isopropylbenzene	ND	mg/l	0.0020	0.0020	1	3/17/01	19:17	C. Wani	8260B	4294
n-Propylbenzene	ND	mg/l	0.0020	0.0020	1	3/17/01	19:17	C. Wani	8260B	4294
1,1,1-Trichloroethane	ND	mg/l	0.0020	0.0020	1	3/17/01	19:17	C. Wani	8260B	4294
1,1,2-Trichloroethane	ND	mg/l	0.0020	0.0020	1	3/17/01	19:17	C. Wani	8260B	4294
Trichloroethene	ND	mg/l	0.0020	0.0020	1	3/17/01	19:17	C. Wani	8260B	4294
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	0.0020	1	3/17/01	19:17	C. Wani	8260B	4294
Vinyl chloride	ND	mg/l	0.0020	0.0020	1	3/17/01	19:17	C. Wani	8260B	4294
Xylenes, Total	0.0057	mg/l	0.0020	0.0020	1	3/17/01	19:17	C. Wani	8260B	4294
Bromodichloromethane	ND	mg/l	0.0020	0.0020	1	3/17/01	19:17	C. Wani	8260B	4294
METALS										
Aluminum, Total	0.0990	mg/l	0.0500	0.0500	1	3/18/01	20:11	G.Robinson	6010B	1583
Arsenic, Total	ND	mg/l	0.0050	0.0050	1	3/18/01	20:11	G.Robinson	6010B	1583
Barium, Total	0.0160	mg/l	0.0100	0.0100	1	3/18/01	20:11	G.Robinson	6010B	1583
Cadmium, total	ND	mg/l	0.0010	0.0010	1	3/18/01	20:11	G.Robinson	6010B	1583
Chromium, total	ND	mg/l	0.0050	0.0050	1	3/18/01	20:11	G.Robinson	6010B	1583

Sample report continued . . .

TestAmerica
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ANALYTICAL REPORT

Laboratory Number: 01-A34204
Sample ID: MW-10
Project:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Lead	ND	mg/l	0.0030	0.0030	1	3/18/01	20:11	G.Robinson	6010B	1583
Silver, Total	ND	mg/l	0.00500	0.00500	1	3/18/01	20:11	G.Robinson	6010B	1583
Zinc, Total	ND	mg/l	0.0200	0.0200	1	3/18/01	20:11	G.Robinson	6010B	1583
MISCELLANEOUS CHEMISTRY										
Phenolics	ND	mg/l	0.050	0.050	1	3/17/01	15:30	Hardcastle	9066M	1546

ND = Not detected at the report limit.

Surrogate	% Recovery	Target Range
VOA Surr, 1,2-DCA, d4	106.	71. - 136.
VOA Surr, Toluene d8	113.	69. - 129.
VOA Surr, 4-BFB	96.	65. - 122.
VOA Surr, DBFM	120.	61. - 139.

= Recovery outside Laboratory historical limits.

Phenolics method modified for midi-distillation with Lachat procedure.

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Report Approved By: Mary B. Neal Report Date: 3/21/01

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End of Sample Report.

TestAmerica
INCORPORATED

ANALYTICAL REPORT

DELTA AUTOMOTIVE, INC. 8208
JIM MATTHEWS
103 S. ATLANTA AVE
SHEFFIELD, AL 35660

Lab Number: 01-A34205
Sample ID: MW-11
Sample Type: Ground water
Site ID:

Date Collected: 3/14/01
Time Collected: 10:55
Date Received: 3/15/01
Time Received: 9:00

Project:
Project Name:
Sampler: H.YOUNGBLOOD

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS										
Acetone	ND	mg/l	0.0500	0.0500	1	3/17/01	19:53	C. Wani	8260B	4294
Benzene	ND	mg/l	0.0020	0.0020	1	3/17/01	19:53	C. Wani	8260B	4294
n-Butylbenzene	ND	mg/l	0.0020	0.0020	1	3/17/01	19:53	C. Wani	8260B	4294
t-Butylbenzene	ND	mg/l	0.0020	0.0020	1	3/17/01	19:53	C. Wani	8260B	4294
Carbon tetrachloride	ND	mg/l	0.0020	0.0020	1	3/17/01	19:53	C. Wani	8260B	4294
Chloroethane	ND	mg/l	0.0020	0.0020	1	3/17/01	19:53	C. Wani	8260B	4294
Chloroform	ND	mg/l	0.0020	0.0020	1	3/17/01	19:53	C. Wani	8260B	4294
1,1-Dichloroethane	ND	mg/l	0.0020	0.0020	1	3/17/01	19:53	C. Wani	8260B	4294
1,2-Dichloroethane	ND	mg/l	0.0020	0.0020	1	3/17/01	19:53	C. Wani	8260B	4294
1,1-Dichloroethene	ND	mg/l	0.0020	0.0020	1	3/17/01	19:53	C. Wani	8260B	4294
cis-1,3-Dichloropropene	ND	mg/l	0.0020	0.0020	1	3/17/01	19:53	C. Wani	8260B	4294
Ethylbenzene	ND	mg/l	0.0020	0.0020	1	3/17/01	19:53	C. Wani	8260B	4294
Hexachlorobutadiene	ND	mg/l	0.0020	0.0020	1	3/17/01	19:53	C. Wani	8260B	4294
Isopropylbenzene	ND	mg/l	0.0020	0.0020	1	3/17/01	19:53	C. Wani	8260B	4294
n-Propylbenzene	ND	mg/l	0.0020	0.0020	1	3/17/01	19:53	C. Wani	8260B	4294
1,1,1-Trichloroethane	ND	mg/l	0.0020	0.0020	1	3/17/01	19:53	C. Wani	8260B	4294
1,1,2-Trichloroethane	ND	mg/l	0.0020	0.0020	1	3/17/01	19:53	C. Wani	8260B	4294
Trichloroethene	ND	mg/l	0.0020	0.0020	1	3/17/01	19:53	C. Wani	8260B	4294
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	0.0020	1	3/17/01	19:53	C. Wani	8260B	4294
Vinyl chloride	ND	mg/l	0.0020	0.0020	1	3/17/01	19:53	C. Wani	8260B	4294
Xylenes, Total	ND	mg/l	0.0020	0.0020	1	3/17/01	19:53	C. Wani	8260B	4294
Bromodichloromethane	ND	mg/l	0.0020	0.0020	1	3/17/01	19:53	C. Wani	8260B	4294
METALS										
Aluminum, Total	0.107	mg/l	0.0500	0.0500	1	3/18/01	20:11	G.Robinson	6010B	1583
Arsenic, Total	ND	mg/l	0.0050	0.0050	1	3/18/01	20:11	G.Robinson	6010B	1583
Barium, Total	0.0380	mg/l	0.0100	0.0100	1	3/18/01	20:11	G.Robinson	6010B	1583
Cadmium, total	ND	mg/l	0.0010	0.0010	1	3/18/01	20:11	G.Robinson	6010B	1583
Chromium, total	ND	mg/l	0.0050	0.0050	1	3/18/01	20:11	G.Robinson	6010B	1583

Sample report continued . . .

TestAmerica
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ANALYTICAL REPORT

Laboratory Number: 01-A34205
Sample ID: MW-11
Project:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Lead	ND	mg/l	0.0030	0.0030	1	3/18/01	20:11	G.Robinson	6010B	1583
Silver, Total	ND	mg/l	0.00500	0.00500	1	3/18/01	20:11	G.Robinson	6010B	1583
Zinc, Total	0.0260	mg/l	0.0200	0.0200	1	3/18/01	20:11	G.Robinson	6010B	1583
MISCELLANEOUS CHEMISTRY										
Phenolics	ND	mg/l	0.050	0.050	1	3/17/01	15:30	Hardcastle	9066M	1546

ND = Not detected at the report limit.

Surrogate	% Recovery	Target Range
VOA Surr, 1,2-DCA, d4	113.	71. - 136.
VOA Surr, Toluene d8	113.	69. - 129.
VOA Surr, 4-BFB	95.	65. - 122.
VOA Surr, DBPM	122.	61. - 139.

= Recovery outside Laboratory historical limits.

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End of Sample Report.

TestAmerica
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ANALYTICAL REPORT

DELTA AUTOMOTIVE, INC. 8208
JIM MATTHEWS
103 S. ATLANTA AVE
SHEFFIELD, AL 35660

Lab Number: 01-A34206
Sample ID: MW-12
Sample Type: Ground water
Site ID:

Date Collected: 3/14/01
Time Collected: 10:10
Date Received: 3/15/01
Time Received: 9:00

Project:
Project Name:
Sampler: H.YOUNGBLOOD

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS										
Acetone	ND	mg/l	0.0500	0.0500	1	3/17/01	20:30	C. Wani	8260B	4294
Benzene	ND	mg/l	0.0020	0.0020	1	3/17/01	20:30	C. Wani	8260B	4294
n-Butylbenzene	ND	mg/l	0.0020	0.0020	1	3/17/01	20:30	C. Wani	8260B	4294
t-Butylbenzene	ND	mg/l	0.0020	0.0020	1	3/17/01	20:30	C. Wani	8260B	4294
Carbon tetrachloride	ND	mg/l	0.0020	0.0020	1	3/17/01	20:30	C. Wani	8260B	4294
Chloroethane	ND	mg/l	0.0020	0.0020	1	3/17/01	20:30	C. Wani	8260B	4294
Chloroform	ND	mg/l	0.0020	0.0020	1	3/17/01	20:30	C. Wani	8260B	4294
1,1-Dichloroethane	ND	mg/l	0.0020	0.0020	1	3/17/01	20:30	C. Wani	8260B	4294
1,2-Dichloroethane	ND	mg/l	0.0020	0.0020	1	3/17/01	20:30	C. Wani	8260B	4294
1,1-Dichloroethene	ND	mg/l	0.0020	0.0020	1	3/17/01	20:30	C. Wani	8260B	4294
cis-1,3-Dichloropropene	ND	mg/l	0.0020	0.0020	1	3/17/01	20:30	C. Wani	8260B	4294
Ethylbenzene	ND	mg/l	0.0020	0.0020	1	3/17/01	20:30	C. Wani	8260B	4294
Hexachlorobutadiene	ND	mg/l	0.0020	0.0020	1	3/17/01	20:30	C. Wani	8260B	4294
Isopropylbenzene	ND	mg/l	0.0020	0.0020	1	3/17/01	20:30	C. Wani	8260B	4294
n-Propylbenzene	ND	mg/l	0.0020	0.0020	1	3/17/01	20:30	C. Wani	8260B	4294
1,1,1-Trichloroethane	ND	mg/l	0.0020	0.0020	1	3/17/01	20:30	C. Wani	8260B	4294
1,1,2-Trichloroethane	ND	mg/l	0.0020	0.0020	1	3/17/01	20:30	C. Wani	8260B	4294
Trichloroethene	ND	mg/l	0.0020	0.0020	1	3/17/01	20:30	C. Wani	8260B	4294
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	0.0020	1	3/17/01	20:30	C. Wani	8260B	4294
Vinyl chloride	ND	mg/l	0.0020	0.0020	1	3/17/01	20:30	C. Wani	8260B	4294
Xylenes, Total	ND	mg/l	0.0020	0.0020	1	3/17/01	20:30	C. Wani	8260B	4294
Bromodichloromethane	ND	mg/l	0.0020	0.0020	1	3/17/01	20:30	C. Wani	8260B	4294
METALS										
Aluminum, Total	1.14	mg/l	0.0500	0.0500	1	3/18/01	20:11	G.Robinson	6010B	1583
Arsenic, Total	ND	mg/l	0.0050	0.0050	1	3/18/01	20:11	G.Robinson	6010B	1583
Barium, Total	0.0420	mg/l	0.0100	0.0100	1	3/18/01	20:11	G.Robinson	6010B	1583
Cadmium, total	ND	mg/l	0.0010	0.0010	1	3/18/01	20:11	G.Robinson	6010B	1583
Chromium, total	ND	mg/l	0.0050	0.0050	1	3/18/01	20:11	G.Robinson	6010B	1583

Sample report continued . . .

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Laboratory Number: 01-A34206
Sample ID: MW-12
Project:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Lead	ND	mg/l	0.0030	0.0030	1	3/18/01	20:11	G.Robinson	6010B	1583
Silver, Total	ND	mg/l	0.00500	0.00500	1	3/18/01	20:11	G.Robinson	6010B	1583
Zinc, Total	0.0290	mg/l	0.0200	0.0200	1	3/18/01	20:11	G.Robinson	6010B	1583
MISCELLANEOUS CHEMISTRY										
Phenolics	ND	mg/l	0.050	0.050	1	3/17/01	15:30	Hardcastle	9066M	1546

ND = Not detected at the report limit.

Surrogate	% Recovery	Target Range
VOA Surr, 1,2-DCA, d4	110.	71. - 136.
VOA Surr, Toluene d8	114.	69. - 129.
VOA Surr, 4-BFB	96.	65. - 122.
VOA Surr, DBFM	124.	61. - 139.

= Recovery outside Laboratory historical limits.

Phenolics method modified for midi-distillation with Lachat procedure.

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Report Approved By: Mil R. Mee Report Date: 3/21/01

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Eric S. Smith, Assistant Technical Director
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End of Sample Report.

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ANALYTICAL REPORT

DELTA AUTOMOTIVE, INC. 8208
JIM MATTHEWS
103 S. ATLANTA AVE
SHEFFIELD, AL 35660

Project:
Project Name:
Sampler: H.YOUNGBLOOD

Lab Number: 01-A34207
Sample ID: MW-13
Sample Type: Ground water
Site ID:

Date Collected: 3/14/01
Time Collected: 9:25
Date Received: 3/15/01
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS										
Acetone	ND	mg/l	0.0500	0.0500	1	3/17/01	21:07	C. Wani	8260B	4294
Benzene	ND	mg/l	0.0020	0.0020	1	3/17/01	21:07	C. Wani	8260B	4294
n-Butylbenzene	ND	mg/l	0.0020	0.0020	1	3/17/01	21:07	C. Wani	8260B	4294
t-Butylbenzene	ND	mg/l	0.0020	0.0020	1	3/17/01	21:07	C. Wani	8260B	4294
Carbon tetrachloride	ND	mg/l	0.0020	0.0020	1	3/17/01	21:07	C. Wani	8260B	4294
Chloroethane	ND	mg/l	0.0020	0.0020	1	3/17/01	21:07	C. Wani	8260B	4294
Chloroform	ND	mg/l	0.0020	0.0020	1	3/17/01	21:07	C. Wani	8260B	4294
1,1-Dichloroethane	ND	mg/l	0.0020	0.0020	1	3/17/01	21:07	C. Wani	8260B	4294
1,2-Dichloroethane	ND	mg/l	0.0020	0.0020	1	3/17/01	21:07	C. Wani	8260B	4294
1,1-Dichloroethene	ND	mg/l	0.0020	0.0020	1	3/17/01	21:07	C. Wani	8260B	4294
cis-1,3-Dichloropropene	ND	mg/l	0.0020	0.0020	1	3/17/01	21:07	C. Wani	8260B	4294
Ethylbenzene	ND	mg/l	0.0020	0.0020	1	3/17/01	21:07	C. Wani	8260B	4294
Hexachlorobutadiene	ND	mg/l	0.0020	0.0020	1	3/17/01	21:07	C. Wani	8260B	4294
Isopropylbenzene	ND	mg/l	0.0020	0.0020	1	3/17/01	21:07	C. Wani	8260B	4294
n-Propylbenzene	ND	mg/l	0.0020	0.0020	1	3/17/01	21:07	C. Wani	8260B	4294
1,1,1-Trichloroethane	ND	mg/l	0.0020	0.0020	1	3/17/01	21:07	C. Wani	8260B	4294
1,1,2-Trichloroethane	ND	mg/l	0.0020	0.0020	1	3/17/01	21:07	C. Wani	8260B	4294
Trichloroethene	ND	mg/l	0.0020	0.0020	1	3/17/01	21:07	C. Wani	8260B	4294
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	0.0020	1	3/17/01	21:07	C. Wani	8260B	4294
Vinyl chloride	ND	mg/l	0.0020	0.0020	1	3/17/01	21:07	C. Wani	8260B	4294
Xylenes, Total	ND	mg/l	0.0020	0.0020	1	3/17/01	21:07	C. Wani	8260B	4294
Bromodichloromethane	ND	mg/l	0.0020	0.0020	1	3/17/01	21:07	C. Wani	8260B	4294
METALS										
Aluminum, Total	ND	mg/l	0.0500	0.0500	1	3/18/01	20:11	G.Robinson	6010B	1583
Arsenic, Total	ND	mg/l	0.0050	0.0050	1	3/18/01	20:11	G.Robinson	6010B	1583
Barium, Total	0.0550	mg/l	0.0100	0.0100	1	3/18/01	20:11	G.Robinson	6010B	1583
Cadmium, total	ND	mg/l	0.0010	0.0010	1	3/18/01	20:11	G.Robinson	6010B	1583
Chromium, total	ND	mg/l	0.0050	0.0050	1	3/18/01	20:11	G.Robinson	6010B	1583

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 01-A34207
Sample ID: MW-13
Project:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Lead	ND	mg/l	0.0030	0.0030	1	3/18/01	20:11	G.Robinson	6010B	1583
Silver, Total	ND	mg/l	0.00500	0.00500	1	3/18/01	20:11	G.Robinson	6010B	1583
Zinc, Total	ND	mg/l	0.0200	0.0200	1	3/18/01	20:11	G.Robinson	6010B	1583
MISCELLANEOUS CHEMISTRY										
Phenolics	ND	mg/l	0.050	0.050	1	3/17/01	15:30	Hardcastle	9066M	1546

ND = Not detected at the report limit.

Surrogate	% Recovery	Target Range
VOA Surr, 1,2-DCA, d4	112.	71. - 136.
VOA Surr, Toluene d8	113.	69. - 129.
VOA Surr, 4-BFB	92.	65. - 122.
VOA Surr, DBFM	121.	61. - 139.

= Recovery outside Laboratory historical limits.

Phenolics method modified for midi-distillation with Lachat procedure.

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End of Sample Report.

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ANALYTICAL REPORT

DELTA AUTOMOTIVE, INC. 8208
JIM MATTHEWS
103 S. ATLANTA AVE
SHEFFIELD, AL 35660

Project:
Project Name:
Sampler: H.YOUNGBLOOD

Lab Number: 01-A34208
Sample ID: MW-14
Sample Type: Ground water
Site ID:

Date Collected: 3/14/01
Time Collected: 9:40
Date Received: 3/15/01
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS										
Acetone	ND	mg/l	0.0500	0.0500	1	3/17/01	21:43	C. Wani	8260B	4294
Benzene	ND	mg/l	0.0020	0.0020	1	3/17/01	21:43	C. Wani	8260B	4294
n-Butylbenzene	ND	mg/l	0.0020	0.0020	1	3/17/01	21:43	C. Wani	8260B	4294
t-Butylbenzene	ND	mg/l	0.0020	0.0020	1	3/17/01	21:43	C. Wani	8260B	4294
Carbon tetrachloride	ND	mg/l	0.0020	0.0020	1	3/17/01	21:43	C. Wani	8260B	4294
Chloroethane	ND	mg/l	0.0020	0.0020	1	3/17/01	21:43	C. Wani	8260B	4294
Chloroform	ND	mg/l	0.0020	0.0020	1	3/17/01	21:43	C. Wani	8260B	4294
1,1-Dichloroethane	ND	mg/l	0.0020	0.0020	1	3/17/01	21:43	C. Wani	8260B	4294
1,2-Dichloroethane	ND	mg/l	0.0020	0.0020	1	3/17/01	21:43	C. Wani	8260B	4294
1,1-Dichloroethene	ND	mg/l	0.0020	0.0020	1	3/17/01	21:43	C. Wani	8260B	4294
cis-1,3-Dichloropropene	ND	mg/l	0.0020	0.0020	1	3/17/01	21:43	C. Wani	8260B	4294
Ethylbenzene	ND	mg/l	0.0020	0.0020	1	3/17/01	21:43	C. Wani	8260B	4294
Hexachlorobutadiene	ND	mg/l	0.0020	0.0020	1	3/17/01	21:43	C. Wani	8260B	4294
Isopropylbenzene	ND	mg/l	0.0020	0.0020	1	3/17/01	21:43	C. Wani	8260B	4294
n-Propylbenzene	ND	mg/l	0.0020	0.0020	1	3/17/01	21:43	C. Wani	8260B	4294
1,1,1-Trichloroethane	ND	mg/l	0.0020	0.0020	1	3/17/01	21:43	C. Wani	8260B	4294
1,1,2-Trichloroethane	ND	mg/l	0.0020	0.0020	1	3/17/01	21:43	C. Wani	8260B	4294
Trichloroethene	ND	mg/l	0.0020	0.0020	1	3/17/01	21:43	C. Wani	8260B	4294
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	0.0020	1	3/17/01	21:43	C. Wani	8260B	4294
Vinyl chloride	ND	mg/l	0.0020	0.0020	1	3/17/01	21:43	C. Wani	8260B	4294
Xylenes, Total	ND	mg/l	0.0020	0.0020	1	3/17/01	21:43	C. Wani	8260B	4294
Bromodichloromethane	ND	mg/l	0.0020	0.0020	1	3/17/01	21:43	C. Wani	8260B	4294
METALS										
Aluminum, Total	0.127	mg/l	0.0500	0.0500	1	3/18/01	20:11	G.Robinson	6010B	1583
Arsenic, Total	ND	mg/l	0.0050	0.0050	1	3/18/01	20:11	G.Robinson	6010B	1583
Barium, Total	0.1090	mg/l	0.0100	0.0100	1	3/18/01	20:11	G.Robinson	6010B	1583
Cadmium, total	ND	mg/l	0.0010	0.0010	1	3/18/01	20:11	G.Robinson	6010B	1583
Chromium, total	ND	mg/l	0.0050	0.0050	1	3/18/01	20:11	G.Robinson	6010B	1583

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 01-A34208
Sample ID: MW-14
Project:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Lead	ND	mg/l	0.0030	0.0030	1	3/18/01	20:11	G.Robinson	6010B	1583
Silver, Total	ND	mg/l	0.00500	0.00500	1	3/18/01	20:11	G.Robinson	6010B	1583
Zinc, Total	ND	mg/l	0.0200	0.0200	1	3/18/01	20:11	G.Robinson	6010B	1583
MISCELLANEOUS CHEMISTRY										
Phenolics	ND	mg/l	0.050	0.050	1	3/17/01	15:30	Hardcastle	9066M	1546

ND = Not detected at the report limit.

Surrogate	% Recovery	Target Range
VOA Surr, 1,2-DCA, d4	115.	71. - 136.
VOA Surr, Toluene d8	112.	69. - 129.
VOA Surr, 4-BFB	92.	65. - 122.
VOA Surr, DBFM	123.	61. - 139.

= Recovery outside Laboratory historical limits.

Phenolics method modified for midi-distillation with Lachat procedure.

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End of Sample Report.

TestAmerica
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ANALYTICAL REPORT

DELTA AUTOMOTIVE, INC. 8208
JIM MATTHEWS
103 S. ATLANTA AVE
SHEFFIELD, AL 35660

Lab Number: 01-A34209
Sample ID: MW-15
Sample Type: Ground water
Site ID:

Project:
Project Name:
Sampler: H.YOUNGBLOOD

Date Collected: 3/14/01
Time Collected: 9:55
Date Received: 3/15/01
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS										
Acetone	ND	mg/l	0.0500	0.0500	1	3/18/01	2:36	C. Wani	8260B	4294
Benzene	ND	mg/l	0.0020	0.0020	1	3/18/01	2:36	C. Wani	8260B	4294
n-Butylbenzene	ND	mg/l	0.0020	0.0020	1	3/18/01	2:36	C. Wani	8260B	4294
t-Butylbenzene	ND	mg/l	0.0020	0.0020	1	3/18/01	2:36	C. Wani	8260B	4294
Carbon tetrachloride	ND	mg/l	0.0020	0.0020	1	3/18/01	2:36	C. Wani	8260B	4294
Chloroethane	ND	mg/l	0.0020	0.0020	1	3/18/01	2:36	C. Wani	8260B	4294
Chloroform	ND	mg/l	0.0020	0.0020	1	3/18/01	2:36	C. Wani	8260B	4294
1,1-Dichloroethane	ND	mg/l	0.0020	0.0020	1	3/18/01	2:36	C. Wani	8260B	4294
1,2-Dichloroethane	ND	mg/l	0.0020	0.0020	1	3/18/01	2:36	C. Wani	8260B	4294
1,1-Dichloroethene	ND	mg/l	0.0020	0.0020	1	3/18/01	2:36	C. Wani	8260B	4294
cis-1,3-Dichloropropene	ND	mg/l	0.0020	0.0020	1	3/18/01	2:36	C. Wani	8260B	4294
Ethylbenzene	ND	mg/l	0.0020	0.0020	1	3/18/01	2:36	C. Wani	8260B	4294
Hexachlorobutadiene	ND	mg/l	0.0020	0.0020	1	3/18/01	2:36	C. Wani	8260B	4294
Isopropylbenzene	ND	mg/l	0.0020	0.0020	1	3/18/01	2:36	C. Wani	8260B	4294
n-Propylbenzene	ND	mg/l	0.0020	0.0020	1	3/18/01	2:36	C. Wani	8260B	4294
1,1,1-Trichloroethane	ND	mg/l	0.0020	0.0020	1	3/18/01	2:36	C. Wani	8260B	4294
1,1,2-Trichloroethane	ND	mg/l	0.0020	0.0020	1	3/18/01	2:36	C. Wani	8260B	4294
Trichloroethene	ND	mg/l	0.0020	0.0020	1	3/18/01	2:36	C. Wani	8260B	4294
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	0.0020	1	3/18/01	2:36	C. Wani	8260B	4294
Vinyl chloride	ND	mg/l	0.0020	0.0020	1	3/18/01	2:36	C. Wani	8260B	4294
Xylenes, Total	ND	mg/l	0.0020	0.0020	1	3/18/01	2:36	C. Wani	8260B	4294
Bromodichloromethane	ND	mg/l	0.0020	0.0020	1	3/18/01	2:36	C. Wani	8260B	4294
METALS										
Aluminum, Total	0.0930	mg/l	0.0500	0.0500	1	3/18/01	20:11	G.Robinson	6010B	1583
Arsenic, Total	ND	mg/l	0.0050	0.0050	1	3/18/01	20:11	G.Robinson	6010B	1583
Barium, Total	0.0700	mg/l	0.0100	0.0100	1	3/18/01	20:11	G.Robinson	6010B	1583
Cadmium, total	ND	mg/l	0.0010	0.0010	1	3/18/01	20:11	G.Robinson	6010B	1583
Chromium, total	ND	mg/l	0.0050	0.0050	1	3/18/01	20:11	G.Robinson	6010B	1583

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 01-A34209
Sample ID: MW-15
Project:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Lead	ND	mg/l	0.0030	0.0030	1	3/18/01	20:11	G.Robinson	6010B	1583
Silver, Total	ND	mg/l	0.00500	0.00500	1	3/18/01	20:11	G.Robinson	6010B	1583
Zinc, Total	0.0270	mg/l	0.0200	0.0200	1	3/18/01	20:11	G.Robinson	6010B	1583
MISCELLANEOUS CHEMISTRY										
Phenolics	0.051	mg/l	0.050	0.050	1	3/17/01	15:30	Hardcastle	9066M	1546

ND = Not detected at the report limit.

Surrogate	% Recovery	Target Range
VOA Surr, 1,2-DCA, d4	102.	71. - 136.
VOA Surr, Toluene d8	115.	69. - 129.
VOA Surr, 4-BFB	95.	65. - 122.
VOA Surr, DBFM	115.	61. - 139.

= Recovery outside Laboratory historical limits.

Phenolics method modified for midi-distillation with Lachat procedure.

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End of Sample Report.

TestAmerica
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ANALYTICAL REPORT

DELTA AUTOMOTIVE, INC. 8208
JIM MATTHEWS
103 S. ATLANTA AVE
SHEFFIELD, AL 35660

Project:
Project Name:
Sampler: H.YOUNGBLOOD

Lab Number: 01-A34210
Sample ID: DRUM MARCH 2001
Sample Type: Ground water
Site ID:

Date Collected: 3/14/01
Time Collected: 11:00
Date Received: 3/15/01
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS										
Acetone	ND	mg/l	0.0500	0.0500	1	3/18/01	3:13	C. Wani	8260B	4294
Benzene	ND	mg/l	0.0020	0.0020	1	3/18/01	3:13	C. Wani	8260B	4294
n-Butylbenzene	ND	mg/l	0.0020	0.0020	1	3/18/01	3:13	C. Wani	8260B	4294
t-Butylbenzene	ND	mg/l	0.0020	0.0020	1	3/18/01	3:13	C. Wani	8260B	4294
Carbon tetrachloride	ND	mg/l	0.0020	0.0020	1	3/18/01	3:13	C. Wani	8260B	4294
Chloroethane	ND	mg/l	0.0020	0.0020	1	3/18/01	3:13	C. Wani	8260B	4294
Chloroform	ND	mg/l	0.0020	0.0020	1	3/18/01	3:13	C. Wani	8260B	4294
1,1-Dichloroethane	ND	mg/l	0.0020	0.0020	1	3/18/01	3:13	C. Wani	8260B	4294
1,2-Dichloroethane	ND	mg/l	0.0020	0.0020	1	3/18/01	3:13	C. Wani	8260B	4294
1,1-Dichloroethene	ND	mg/l	0.0020	0.0020	1	3/18/01	3:13	C. Wani	8260B	4294
cis-1,3-Dichloropropene	ND	mg/l	0.0020	0.0020	1	3/18/01	3:13	C. Wani	8260B	4294
Ethylbenzene	ND	mg/l	0.0020	0.0020	1	3/18/01	3:13	C. Wani	8260B	4294
Hexachlorobutadiene	ND	mg/l	0.0020	0.0020	1	3/18/01	3:13	C. Wani	8260B	4294
Isopropylbenzene	ND	mg/l	0.0020	0.0020	1	3/18/01	3:13	C. Wani	8260B	4294
n-Propylbenzene	ND	mg/l	0.0020	0.0020	1	3/18/01	3:13	C. Wani	8260B	4294
1,1,1-Trichloroethane	ND	mg/l	0.0020	0.0020	1	3/18/01	3:13	C. Wani	8260B	4294
1,1,2-Trichloroethane	ND	mg/l	0.0020	0.0020	1	3/18/01	3:13	C. Wani	8260B	4294
Trichloroethene	ND	mg/l	0.0020	0.0020	1	3/18/01	3:13	C. Wani	8260B	4294
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	0.0020	1	3/18/01	3:13	C. Wani	8260B	4294
Vinyl chloride	ND	mg/l	0.0020	0.0020	1	3/18/01	3:13	C. Wani	8260B	4294
Xylenes, Total	ND	mg/l	0.0020	0.0020	1	3/18/01	3:13	C. Wani	8260B	4294
Bromodichloromethane	ND	mg/l	0.0020	0.0020	1	3/18/01	3:13	C. Wani	8260B	4294
METALS										
Aluminum, Total	0.256	mg/l	0.0500	0.0500	1	3/18/01	20:11	G.Robinson	6010B	1583
Arsenic, Total	ND	mg/l	0.0050	0.0050	1	3/18/01	20:11	G.Robinson	6010B	1583
Barium, Total	0.0390	mg/l	0.0100	0.0100	1	3/18/01	20:11	G.Robinson	6010B	1583
Cadmium, total	ND	mg/l	0.0010	0.0010	1	3/18/01	20:11	G.Robinson	6010B	1583
Chromium, total	ND	mg/l	0.0050	0.0050	1	3/18/01	20:11	G.Robinson	6010B	1583

Sample report continued . . .

TestAmerica
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ANALYTICAL REPORT

Laboratory Number: 01-A34210
Sample ID: DRUM MARCH 2001
Project:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Lead	ND	mg/l	0.0030	0.0030	1	3/18/01	20:11	G.Robinson	6010B	1583
Silver, Total	ND	mg/l	0.00500	0.00500	1	3/18/01	20:11	G.Robinson	6010B	1583
Zinc, Total	ND	mg/l	0.0200	0.0200	1	3/18/01	20:11	G.Robinson	6010B	1583
MISCELLANEOUS CHEMISTRY										
Phenolics	0.674	mg/l	0.050	0.050	1	3/17/01	15:30	Hardcastle	9066M	1546

ND = Not detected at the report limit.

Surrogate	% Recovery	Target Range
VOA Surr, 1,2-DCA, d4	106.	71. - 136.
VOA Surr, Toluene d8	112.	69. - 129.
VOA Surr, 4-BFB	93.	65. - 122.
VOA Surr, DBPM	120.	61. - 139.

= Recovery outside Laboratory historical limits.

Phenolics method modified for midi-distillation with Lachat procedure.

These results relate only to the items tested.
This report shall not be reproduced except in full and with permission of the laboratory.

Report Approved By: _____ Report Date: 3/21/01

Paul E. Lane, Jr., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Gail A. Lage, Technical Serv.
Glenn L. Norton, Technical Serv.
Kelly S. Comstock, Technical Serv.
Pamela A. Langford, Technical Serv.

End of Sample Report.

TestAmerica
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PROJECT QUALITY CONTROL DATA
Project Number:

Matrix Spike Recovery

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
VOA PARAMETERS								
Benzene	mg/l	< 0.00060	0.05040	0.05000	101	53. - 134.	4294	blank
1,1-Dichloroethene	mg/l	< 0.00060	0.04380	0.05000	88	42. - 149.	4294	blank
Trichloroethene	mg/l	< 0.00050	0.04670	0.05000	93	51. - 139.	4294	blank
VOA Surr, 1,2-DCA, d4	% Rec				100	71. - 136.	4294	
VOA Surr, Toluene d8	% Rec				123	69. - 129.	4294	
VOA Surr, 4-BFB	% Rec				108	65. - 122.	4294	
VOA Surr, DBFM	% Rec				119	61. - 139.	4294	

Matrix Spike Recovery

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
METALS								
Aluminum, Total	mg/l	0.0750	2.23	2.00	108	80 - 120	1583	01-A34202
Arsenic, Total	mg/l	< 0.0050	0.0510	0.0500	102	80 - 120	1583	01-A34202
Barium, Total	mg/l	0.0370	2.180	2.000	107	80 - 120	1583	01-A34202
Cadmium, total	mg/l	< 0.0010	0.0490	0.0500	98	80 - 120	1583	01-A34202
Chromium, total	mg/l	< 0.0050	0.1980	0.2000	99	80 - 120	1583	01-A34202
Lead	mg/l	< 0.0030	0.0470	0.0500	94	80 - 120	1583	01-A34202
Silver, Total	mg/l	< 0.00500	0.04800	0.05000	96	80 - 120	1583	01-A34202
Zinc, Total	mg/l	< 0.0200	0.5010	0.5000	100	80 - 120	1583	01-A34202

Matrix Spike Recovery

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
MISC PARAMETERS								
Phenolics	mg/l	< 0.050	0.938	1.00	94	80 - 120	1546	01-A34201

Project QC continued . . .

TestAmerica
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PROJECT QUALITY CONTROL DATA
Project Number:

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
VOA PARAMETERS						
Benzene	mg/l	0.05040	0.04740	6.13	25.	4294
1,1-Dichloroethene	mg/l	0.04380	0.04400	0.46	36.	4294
Trichloroethene	mg/l	0.04670	0.04400	5.95	30.	4294
VOA Surr, 1,2-DCA, d4	% Rec		100.			4294
VOA Surr, Toluene d8	% Rec		116.			4294
VOA Surr, 4-BFB	% Rec		104.			4294
VOA Surr, DBFM	% Rec		121.			4294

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
METALS						
Aluminum, Total	mg/l	2.23	2.25	0.89	20	1583
Arsenic, Total	mg/l	0.0510	0.0540	5.71	20	1583
Barium, Total	mg/l	2.180	2.220	1.82	20	1583
Cadmium, total	mg/l	0.0490	0.0500	2.02	20	1583
Chromium, total	mg/l	0.1980	0.2020	2.00	20	1583
Lead	mg/l	0.0470	0.0480	2.11	20	1583
Silver, Total	mg/l	0.04800	0.04900	2.06	20	1583
Zinc, Total	mg/l	0.5010	0.5110	1.98	20	1583

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
MISC PARAMETERS						
Phenolics	mg/l	0.938	0.943	0.53	20	1546

Project QC continued . . .

TestAmerica
INCORPORATED

PROJECT QUALITY CONTROL DATA
Project Number:

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
VOA PARAMETERS						
Acetone	mg/l	0.2500	0.2170	87	25 - 136	4294
Benzene	mg/l	0.05000	0.04980	100	73 - 113	4294
n-Butylbenzene	mg/l	0.0500	0.0479	96	66 - 122	4294
t-Butylbenzene	mg/l	0.0500	0.0459	92	74 - 133	4294
Carbon tetrachloride	mg/l	0.05000	0.05040	101	70 - 122	4294
Chloroethane	mg/l	0.0500	0.0460	92	67 - 126	4294
Chloroform	mg/l	0.0500	0.0462	92	69 - 120	4294
1,1-Dichloroethane	mg/l	0.05000	0.04680	94	48 - 138	4294
1,2-Dichloroethane	mg/l	0.0500	0.0450	90	65 - 125	4294
1,1-Dichloroethene	mg/l	0.05000	0.04600	92	70 - 121	4294
cis-1,3-Dichloropropene	mg/l	0.0500	0.0520	104	62 - 122	4294
Ethylbenzene	mg/l	0.05000	0.05020	100	78 - 119	4294
Hexachlorobutadiene	mg/l	0.0500	0.0465	93	55 - 136	4294
Isopropylbenzene	mg/l	0.0500	0.0467	93	77 - 125	4294
n-Propylbenzene	mg/l	0.0500	0.0471	94	78 - 126	4294
1,1,1-Trichloroethane	mg/l	0.05000	0.04660	93	71 - 120	4294
1,1,2-Trichloroethane	mg/l	0.0500	0.0479	96	70 - 119	4294
Trichloroethene	mg/l	0.05000	0.04840	97	70 - 121	4294
1,2,4-Trimethylbenzene	mg/l	0.0500	0.0475	95	70 - 136	4294
Vinyl chloride	mg/l	0.0500	0.0441	88	61 - 143	4294
Xylenes, Total	mg/l	0.1500	0.1362	91	62 - 137	4294
Bromodichloromethane	mg/l	0.0500	0.0494	99	71 - 117	4294
VOA Surr, 1,2-DCA, d4	% Rec			98	71 - 117	4294
VOA Surr, Toluene d8	% Rec			117	71 - 117	4294
VOA Surr, 4-BFB	% Rec			104	71 - 117	4294
VOA Surr, DBFM	% Rec			118	71 - 117	4294

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
METALS						
Aluminum, Total	mg/l	2.00	2.15	108	80 - 120	1583

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number:

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Arsenic, Total	mg/l	0.0500	0.0520	104	80 - 120	1583
Barium, Total	mg/l	2.000	2.140	107	80 - 120	1583
Cadmium, total	mg/l	0.0500	0.0490	98	80 - 120	1583
Chromium, total	mg/l	0.2000	0.1960	98	80 - 120	1583
Lead	mg/l	0.0500	0.0460	92	80 - 120	1583
Silver, Total	mg/l	0.05000	0.04900	98	80 - 120	1583
Zinc, Total	mg/l	0.5000	0.4930	99	80 - 120	1583

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
MISC PARAMETERS						
Phenolics	mg/l	1.00	0.920	92	90 - 110	1546

Duplicates

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch	Sample Dup'd
Phenolics	mg/l	0.674	0.672	0.30	15.	1546	01-A34210

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
VOA PARAMETERS					
Acetone	< 0.0066	mg/l	4294	3/17/01	14:22
Benzene	< 0.00060	mg/l	4294	3/17/01	14:22
n-Butylbenzene	< 0.0006	mg/l	4294	3/17/01	14:22
t-Butylbenzene	< 0.0006	mg/l	4294	3/17/01	14:22
Carbon tetrachloride	< 0.00040	mg/l	4294	3/17/01	14:22
Chloroethane	< 0.0007	mg/l	4294	3/17/01	14:22
Chloroform	< 0.0006	mg/l	4294	3/17/01	14:22
1,1-Dichloroethane	< 0.00070	mg/l	4294	3/17/01	14:22
1,2-Dichloroethane	< 0.0004	mg/l	4294	3/17/01	14:22

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number:

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
1,1-Dichloroethene	< 0.00060	mg/l	4294	3/17/01	14:22
cis-1,3-Dichloropropene	< 0.0005	mg/l	4294	3/17/01	14:22
Ethylbenzene	< 0.00070	mg/l	4294	3/17/01	14:22
Hexachlorobutadiene	< 0.0004	mg/l	4294	3/17/01	14:22
Isopropylbenzene	< 0.0005	mg/l	4294	3/17/01	14:22
n-Propylbenzene	< 0.0006	mg/l	4294	3/17/01	14:22
1,1,1-Trichloroethane	< 0.00040	mg/l	4294	3/17/01	14:22
1,1,2-Trichloroethane	< 0.0006	mg/l	4294	3/17/01	14:22
Trichloroethene	< 0.00050	mg/l	4294	3/17/01	14:22
1,2,4-Trimethylbenzene	< 0.0005	mg/l	4294	3/17/01	14:22
Vinyl chloride	< 0.0007	mg/l	4294	3/17/01	14:22
Xylenes, Total	< 0.00080	mg/l	4294	3/17/01	14:22
Bromodichloromethane	< 0.0004	mg/l	4294	3/17/01	14:22
VOA Surr, 1,2-DCA, d4	108.	% Rec	4294	3/17/01	14:22
VOA Surr, Toluene d8	113.	% Rec	4294	3/17/01	14:22
VOA Surr, 4-BFB	97.	% Rec	4294	3/17/01	14:22
VOA Surr, DBFM	120.	% Rec	4294	3/17/01	14:22

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
METALS					
Aluminum, Total	< 0.0500	mg/l	1583	3/18/01	20:11
Arsenic, Total	< 0.0050	mg/l	1583	3/18/01	20:11
Barium, Total	< 0.0100	mg/l	1583	3/18/01	20:11
Cadmium, total	< 0.0010	mg/l	1583	3/18/01	20:11
Chromium, total	< 0.0050	mg/l	1583	3/18/01	20:11
Lead	< 0.0030	mg/l	1583	3/18/01	20:11
Silver, Total	< 0.00500	mg/l	1583	3/18/01	20:11
Zinc, Total	< 0.0200	mg/l	1583	3/18/01	20:11

Project QC continued . . .

TestAmerica
INCORPORATED

PROJECT QUALITY CONTROL DATA
Project Number:

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
MISC PARAMETERS					
Phenolics	< 0.050	mg/l	1546	3/17/01	15:30

= Value outside Laboratory historical QC limits.

End of Report for Project 229965

CHAIN OF CUSTODY RECORD

TestAmerica INCORPORATED

Nashville Division
2960 Foster Creighton
Nashville, TN 37204

Phone: 615-726-0177
Toll Free: 800-765-0980
Fax: 615-726-3404

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?

Compliance Monitoring? Yes No

Enforcement Action? Yes No

Client Name/Account #: DELTA AUTOMOTIVE 8208

Address: 103 S. ATLANTA AVE

City/State/Zip: SHEFFIELD, AL 35660

Report To: Highland Technical Services

Project Manager: Howard Youngblood

Invoice To: Delta Automotive

Telephone Number: 205 978-5664 Fax No.: 205 978-0515

TA Quote #:

Sampler Name: (Print) Howard Youngblood

Project ID:

Sampler Signature:

Project #:

Sample ID / Description	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Ice	HNO_3 (Red Label)	HCl (Blue Label)	NaOH (Orange Label)	H_2SO_4 Plastic (Yellow Label)	H_2SO_4 Glass(Yellow Label)	None (Black Label)	Other (Specify)	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify):	Analyze For: SEE ATTACHED: MCL's 6010	Pb,Cu / 9065	VOC's 8260	RUSH TAT (Pre-Schedule)	Standard TAT	Fax Results	Send QC with report
MW-5	3/14/01	1040	5	/				1	3			1			/						/	/	/		/		
MW-7		0910	5	/				1	3			1			/						/	/	/		/		
MW-9		1025	5	/				1	3			1			/						/	/	/		/		
MW-10		0850	5	/				1	3			1			/						/	/	/		/		
MW-11		1055	5	/				1	3			1			/						/	/	/		/		
MW-12		1010	5	/				1	3			1			/						/	/	/		/		
MW-13		0925	5	/				1	3			1			/						/	/	/		/		
MW-14		0940	5	/				1	3			1			/						/	/	/		/		
MW-15		0955	5	/				1	3			1			/						/	/	/		/		
Drum March 2001	V	1100	5					1	3			1			/						/	/	/		/		

Special Instructions:

Method of Shipment: FEDEX

Laboratory Comments:

Temperature Upon Receipt:

VOCs Free of Headspace? Y N

Relinquished by:	Date	Time	Received by:	Date	Time
	3/14/01	1200	Fed Ex		
Relinquished by:	**Date**	**Time**	**Received by TestAmerica:**	**Date**	**Time**

MONITORING WELL SAMPLING RECORD

PROJECT NO: 01-040512.02
PROJECT NAME: Delta Automotive, Inc.
SITE LOCATION: Sheffield, Alabama
RECORDED BY: H. Youngblood – D. Davis

WELL NUMBER	MW-10	MW-7	MW-9	MW-12	MW-5
GENERAL WELL DATA					
Top of Casing (TOC) Elevation (ft)	503.82	501.20	496.81	496.98	502.39
Original Total Depth (ft below TOC)	79.30	26.03	40.99	71.35	62.42
TOC Height (ft above/below grade)	-0.23	-0.02	-0.40	-0.02	-0.30
Screened Interval (ft below grade)	69.3-79.3	27.0-37.0	31.0-41.0	60.0-70.0	40.5-60.5
Well Diameter (in)/Material	2 in, PVC	2 in, PVC	2 in, PVC	2-in, PVC	2 in, PVC
Current Well Condition	Good	Good	Good	Good	Good
WATER LEVEL DATA					
Date (mm/dd/yy)	3/13/2001	3/13/2001	3/13/2001	3/13/2001	3/13/2001
Time (military)	NR	NR	NR	NR	NR
Measured Total Depth (ft below grade)	78.80	26.08	40.92	69.99	60.96
Static Water Level (ft below TOC)	37.17	7.66	11.89	37.83	38.59
Static Water Elevation (ft)	466.65	493.54	484.92	459.15	463.80
WELL PURGE DATA					
Purge Date (mm/dd/yy)	3/13/2001	3/13/2001	3/13/2001	3/13/2001	3/13/2001
Purge Time (military)	1100	1130	1445	1420	1515
Minimum Purge Volume (gal)	20.81	9.21	14.51	16.08	11.19
Actual Purge Volume (gal)	25.0	10.0	15.0	17.0	12.0
Equipment Used	Pump	Pump	Pump	Pump	Pump
WELL SAMPLING DATA					
Sampling Date (mm/dd/yy)	3/14/2001	3/14/2001	3/14/2001	3/14/2001	3/14/2001
Sampling Time (military)	0850	0910	1025	1010	1040
Weather Conditions	Sunny	Sunny	Sunny	Sunny	Sunny
Equipment Used	Bailer	Bailer	Bailer	Bailer	Bailer
Groundwater Temperature (degrees C)	15.8	14.9	17.3	17.9	18.7
Specific Conductance (umhos/cm)	33.0	11.0	11.0	32.0	17.0
Groundwater pH (std units)	7.9	7.9	7.8	7.8	7.2
Number of Containers Filled	5	5	5	5	5
Water Clarity	Clear	Clear	Clear	Clear	Clear
Parameters to be Analyzed	Refer to Report	Refer to Report	Refer to Report	Refer to Report	Refer to Report

I certify that all water level measurement devices, purging equipment, and sampling equipment were properly cleaned prior to use in each well. Signature

REMARKS
NR – Not recorded

HIGHLAND TECHNICAL SERVICES, INC.
1572 MONTGOMERY HIGHWAY, SUITE 208
BIRMINGHAM, ALABAMA 35216
PHONE (205) 978-5664 FAX (205) 978-0515

MONITORING WELL SAMPLING RECORD

PROJECT NO: 01-040512.02
PROJECT NAME: Delta Automotive, Inc.
SITE LOCATION: Sheffield, Alabama
RECORDED BY: H. Youngblood - D. Davis

WELL NUMBER	MW-11	MW-13	MW-14	MW-15	
GENERAL WELL DATA Top of Casing (TOC) Elevation (ft)	501.78	498.27	499.82	499.40	
Original Total Depth (ft below TOC)	125.8	40.0	35.0	142.0	
TOC Height (ft above/below grade)	-0.40	-0.30	-0.30	-0.30	
Screened Interval (ft below grade)	115.8-125.8	20.0-40.0	20.0-35.0	122.0-142.0	
Well Diameter (in)/Material	2 in, PVC	2 in, PVC	2 in, PVC	2 in, PVC	
Current Well Condition	Good	Good	Good	Good	
WATER LEVEL DATA Date (mm/dd/yy)	3/13/2001	3/13/2001	3/13/2001	3/13/2001	
Time (military)	NR	NR	NR	NR	
Measured Total Depth (ft below grade)	123.84	39.84	34.81	141.13	
Static Water Level (ft below TOC)	35.87	11.93	14.91	40.63	
Static Water Elevation (ft)	465.91	486.34	484.91	458.77	
WELL PURGE DATA Purge Date (mm/dd/yy)	3/13/2001	3/13/2001	3/13/2001	3/13/2001	
Purge Time (military)	1545	1300	1350	1330	
Minimum Purge Volume (gal)	43.98	13.95	9.95	50.25	
Actual Purge Volume (gal)	44.0	14.0	10.0	51.0	
Equipment Used	Pump	Pump	Pump	Pump	
WELL SAMPLING DATA Sampling Date (mm/dd/yy)	3/14/2001	3/14/2001	3/14/2001	3/14/2001	
Sampling Time (military)	1055	0925	0940	0955	
Weather Conditions	Sunny	Sunny	Sunny	Sunny	
Equipment Used	Bailer	Bailer	Bailer	Bailer	
Groundwater Temperature (degrees C)	19.1	15.0	15.8	16.7	
Specific Conductance (umhos/cm)	41.0	13.0	30.0	47.0	
Groundwater pH (std units)	6.7	7.3	6.7	6.9	
Number of Containers Filled	5	5	5	5	
Water Clarity	Clear	Clear	Clear	Clear	
Parameters to be Analyzed	Refer to Report	Refer to Report	Refer to Report	Refer to Report	

I certify that all water level measurement devices, purging equipment, and sampling equipment were properly cleaned prior to use in each well. Signature

REMARKS
NR – Not recorded

HIGHLAND TECHNICAL SERVICES, INC.
1572 MONTGOMERY HIGHWAY, SUITE 208
BIRMINGHAM, ALABAMA 35216
PHONE (205) 978-5664 FAX (205) 978-0515

Kruskal-Wallis Non-Parametric Test

Parameter: Aluminum

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Kruskal Wallis Ranks

Background Wells

Well ID	Date	Result	Rank
MW-7	5/1/95	129	17
	9/1/95	1200	28
	12/1/95	700	26
	3/1/96	147	18
	9/1/96	127	15
	3/1/98	459	24
	9/1/98	602	25
	3/1/99	169	19
	9/1/99	338	22
	3/1/00	ND<0	3
	9/1/00	7140	29
	3/1/01	75	11

Rank Sum = 237
Rank Mean = 19.75

Background Rank Sum = 237
Background Rank Mean = 19.75

Compliance Wells

Well ID	Date	Result	Rank
MW-9	5/1/95	50	6
	9/1/95	50	7
	12/1/95	50	8
	3/1/96	111	14
	9/1/96	50	9
	3/1/98	212	20
	9/1/98	369	23
	3/1/99	100	12
	9/1/99	100	13
	3/1/00	ND<0	3
	9/1/00	902	27

Rank Sum = 142
Rank Mean = 12.9091

MW-13	9/1/99	50	10
	3/1/00	ND<0	3
	9/1/00	8700	30
	3/1/01	ND<0	3

Rank Sum = 46
Rank Mean = 11.5

MW-14	9/1/99	301	21
	3/1/00	ND<0	3
	9/1/00	12100	31

	3/1/01	127	16

Rank Sum = 71
Rank Mean = 17.75

Calculation Results:

Kruskal-Wallis H Statistic = 4.44062
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 4.45859
95% Confidence comparison value is 7.81472 at 3 degrees of freedom
4.44062 < 7.81472 indicating no significant group difference at 5% significance level
4.45859 < 7.81472 indicating no significant group difference at 5% significance level when adjusted for ties

Kruskal-Wallis Non-Parametric Test

Parameter: Arsenic

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Kruskal Wallis Ranks

Background Wells

Well ID	Date	Result	Rank
MW-7	3/1/92	ND<0	24.5
	4/1/92	ND<0	24.5
	5/1/92	ND<0	24.5
	7/1/93	ND<0	24.5
	8/1/93	ND<0	24.5
	10/1/93	ND<0	24.5
	11/1/93	ND<0	24.5
	12/1/93	ND<0	24.5
	8/1/94	6	49
	11/1/94	ND<0	24.5
	2/1/95	ND<0	24.5
	5/1/95	ND<0	24.5
	9/1/95	ND<0	24.5
	12/1/95	ND<0	24.5
	3/1/96	ND<0	24.5
	9/1/96	ND<0	24.5
	3/1/98	ND<0	24.5
	9/1/98	ND<0	24.5
	3/1/99	ND<0	24.5
	9/1/99	ND<0	24.5
	3/1/00	ND<0	24.5
	9/1/00	ND<0	24.5
	3/1/01	ND<0	24.5

Rank Sum = 588
Rank Mean = 25.5652

Background Rank Sum = 588
Background Rank Mean = 25.5652

Compliance Wells

Well ID	Date	Result	Rank
MW-9	8/1/92	ND<0	24.5
	7/1/93	7	50
	8/1/93	ND<0	24.5
	10/1/93	ND<0	24.5
	11/1/93	ND<0	24.5
	12/1/93	ND<0	24.5
	8/1/94	ND<0	24.5
	11/1/94	ND<0	24.5
	2/1/95	ND<0	24.5
	5/1/95	ND<0	24.5
	9/1/95	ND<0	24.5
	12/1/95	ND<0	24.5
	3/1/96	ND<0	24.5

	9/1/96	ND<0	24.5
	3/1/98	ND<0	24.5
	9/1/98	ND<0	24.5
	3/1/99	ND<0	24.5
	9/1/99	ND<0	24.5
	3/1/00	ND<0	24.5
	9/1/00	ND<0	24.5
	3/1/01	ND<0	24.5

Rank Sum = 540
Rank Mean = 25.7143

MW-13	9/1/99	ND<0	24.5
	3/1/00	ND<0	24.5
	9/1/00	ND<0	24.5
	3/1/01	ND<0	24.5

Rank Sum = 98
Rank Mean = 24.5

MW-14	9/1/99	ND<0	24.5
	3/1/00	68	52
	9/1/00	25	51
	3/1/01	ND<0	24.5

Rank Sum = 152
Rank Mean = 38

Calculation Results:

Kruskal-Wallis H Statistic = 2.51696
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 11.7878
95% Confidence comparison value is 7.81472 at 3 degrees of freedom
2.51696 < 7.81472 indicating no significant group difference at 5% significance level
11.7878 > 7.81472 indicating a significant group difference at 5% significance level when adjusted for ties

---

Individual Well Comparisons at 1.66667% Significance Level per Comparison

1.66667% Z score is 2.14441
Mean background rank is 25.5652

Well	Mean Rank	Dif from Bkg	Critical Value
MW-9	25.7143	0.149068	9.80864
MW-13	24.5	-1.06522	17.6053
MW-14	38	12.4348	17.6053

Individual Well Comparisons at Groupwise 5% Significance Level (1.66667% Significance Level per comparison)

1.66667% Z score is 2.14441
Mean background rank is 25.5652

Well	Mean Rank	Dif from Bkg	Critical Value
MW-9	25.7143	0.149068	9.80864
MW-13	24.5	-1.06522	17.6053
MW-14	38	12.4348	17.6053

Kruskal-Wallis Non-Parametric Test

Parameter: Barium

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Kruskal Wallis Ranks

Background Wells

Well ID	Date	Result	Rank
MW-7	3/1/92	ND<0	1.5
	4/1/92	ND<0	1.5
	5/1/92	92	44
	10/1/93	35	28
	11/1/93	24	20
	12/1/93	36	29
	8/1/94	34	26
	11/1/94	28	21
	2/1/95	44	36
	5/1/95	23	19
	9/1/95	38	33
	12/1/95	38	34
	3/1/96	33	25
	9/1/96	36	30
	3/1/98	32	24
	9/1/98	34	27
	3/1/99	45	37
	9/1/99	36	31
	3/1/00	41	35
	9/1/00	75	41
	3/1/01	37	32

Rank Sum = 575
Rank Mean = 27.381

Background Rank Sum = 575
Background Rank Mean = 27.381

Compliance Wells

Well ID	Date	Result	Rank
MW-9	8/1/92	90	43
	10/1/93	19	16
	11/1/93	18	15
	12/1/93	14	6
	8/1/94	15	8
	11/1/94	17	13
	2/1/95	30	22
	5/1/95	10	3
	9/1/95	16	9
	12/1/95	14	7
	3/1/96	16	10
	9/1/96	16	11
	3/1/98	20	17
	9/1/98	12	5
	3/1/99	21	18

	9/1/99	10	4
	3/1/00	16	12
	9/1/00	30	23
	3/1/01	17	14

Rank Sum = 256
Rank Mean = 13.4737

MW-13	9/1/99	53	38
	3/1/00	83	42
	9/1/00	101	45
	3/1/01	55	39

Rank Sum = 164
Rank Mean = 41

MW-14	9/1/99	73	40
	3/1/00	278	48
	9/1/00	212	47
	3/1/01	109	46

Rank Sum = 181
Rank Mean = 45.25

Calculation Results:

Kruskal-Wallis H Statistic = 27.0182
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 27.0196
95% Confidence comparison value is 7.81472 at 3 degrees of freedom
27.0182 > 7.81472 indicating a significant group difference at 5% significance level
27.0196 > 7.81472 indicating a significant group difference at 5% significance level when adjusted for ties

---

Individual Well Comparisons at 1.66667% Significance Level per Comparison

1.66667% Z score is 2.14441
Mean background rank is 27.381

Well	Mean Rank	Dif from Bkg	Critical Value
MW-9	13.4737	-13.9073	9.50558
MW-13	41	13.619	16.3782
MW-14	45.25	17.869	16.3782

Individual Well Comparisons at Groupwise 5% Significance Level (1.66667% Significance Level per comparison)

1.66667% Z score is 2.14441
Mean background rank is 27.381

Well	Mean Rank	Dif from Bkg	Critical Value
MW-9	13.4737	-13.9073	9.50558
MW-13	41	13.619	16.3782
MW-14	45.25	17.869	16.3782

Kruskal-Wallis Non-Parametric Test

Parameter: Cadmium

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Kruskal Wallis Ranks

Background Wells

Well ID	Date	Result	Rank
MW-7	7/1/93	ND<0	23.5
	8/1/93	ND<0	23.5
	10/1/93	ND<0	23.5
	11/1/93	ND<0	23.5
	12/1/93	ND<0	23.5
	8/1/94	ND<0	23.5
	11/1/94	ND<0	23.5
	2/1/95	ND<0	23.5
	5/1/95	ND<0	23.5
	9/1/95	ND<0	23.5
	12/1/95	ND<0	23.5
	3/1/96	ND<0	23.5
	9/1/96	ND<0	23.5
	3/1/98	ND<0	23.5
	9/1/98	ND<0	23.5
	3/1/99	ND<0	23.5
	9/1/99	ND<0	23.5
	3/1/00	ND<0	23.5
	9/1/00	ND<0	23.5
	3/1/01	ND<0	23.5

Rank Sum = 470
Rank Mean = 23.5

Background Rank Sum = 470
Background Rank Mean = 23.5

Compliance Wells

Well ID	Date	Result	Rank
MW-9	8/1/92	ND<0	23.5
	7/1/93	ND<0	23.5
	8/1/93	ND<0	23.5
	10/1/93	ND<0	23.5
	11/1/93	ND<0	23.5
	12/1/93	ND<0	23.5
	8/1/94	ND<0	23.5
	11/1/94	ND<0	23.5
	2/1/95	ND<0	23.5
	5/1/95	ND<0	23.5
	9/1/95	ND<0	23.5
	12/1/95	ND<0	23.5
	3/1/96	ND<0	23.5
	9/1/96	ND<0	23.5
	3/1/98	ND<0	23.5
	9/1/98	ND<0	23.5

	3/1/99	ND<0	23.5
	9/1/99	ND<0	23.5
	3/1/00	ND<0	23.5
	9/1/00	ND<0	23.5
	3/1/01	ND<0	23.5

Rank Sum = 493.5
Rank Mean = 23.5

MW-13	9/1/99	ND<0	23.5
	3/1/00	ND<0	23.5
	9/1/00	2	47
	3/1/01	ND<0	23.5

Rank Sum = 117.5
Rank Mean = 29.375

MW-14	9/1/99	ND<0	23.5
	3/1/00	3	49
	9/1/00	2	48
	3/1/01	ND<0	23.5

Rank Sum = 144
Rank Mean = 36

Calculation Results:

Kruskal-Wallis H Statistic = 3.19745
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 18.514
95% Confidence comparison value is 7.81472 at 3 degrees of freedom
3.19745 < 7.81472 indicating no significant group difference at 5% significance level
18.514 > 7.81472 indicating a significant group difference at 5% significance level when adjusted for ties

---

Individual Well Comparisons at 1.66667% Significance Level per Comparison

1.66667% Z score is 2.14441
Mean background rank is 23.5

Well	Mean Rank	Dif from Bkg	Critical Value
MW-9	23.5	0	9.57341
MW-13	29.375	5.875	16.7826
MW-14	36	12.5	16.7826

Individual Well Comparisons at Groupwise 5% Significance Level (1.66667% Significance Level per comparison)

1.66667% Z score is 2.14441
Mean background rank is 23.5

Well	Mean Rank	Dif from Bkg	Critical Value
MW-9	23.5	0	9.57341
MW-13	29.375	5.875	16.7826
MW-14	36	12.5	16.7826

Kruskal-Wallis Non-Parametric Test

Parameter: Chromium

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Kruskal Wallis Ranks

Background Wells

Well ID	Date	Result	Rank
MW-7	7/1/93	34	47
	8/1/93	ND<0	20
	10/1/93	16	42
	11/1/93	ND<0	20
	12/1/93	6	40
	8/1/94	ND<0	20
	11/1/94	ND<0	20
	2/1/95	ND<0	20
	5/1/95	ND<0	20
	9/1/95	ND<0	20
	12/1/95	ND<0	20
	3/1/96	ND<0	20
	9/1/96	ND<0	20
	3/1/98	ND<0	20
	9/1/98	ND<0	20
	3/1/99	ND<0	20
	9/1/99	ND<0	20
	3/1/00	ND<0	20
	9/1/00	31	46
	3/1/01	ND<0	20

Rank Sum = 495
Rank Mean = 24.75

Background Rank Sum = 495
Background Rank Mean = 24.75

Compliance Wells

Well ID	Date	Result	Rank
MW-9	8/1/92	17	43
	7/1/93	77	49
	8/1/93	ND<0	20
	10/1/93	ND<0	20
	11/1/93	ND<0	20
	12/1/93	ND<0	20
	8/1/94	ND<0	20
	11/1/94	ND<0	20
	2/1/95	ND<0	20
	5/1/95	ND<0	20
	9/1/95	ND<0	20
	12/1/95	ND<0	20
	3/1/96	ND<0	20
	9/1/96	ND<0	20
	3/1/98	ND<0	20
	9/1/98	ND<0	20

	3/1/99	ND<0	20
	9/1/99	ND<0	20
	3/1/00	ND<0	20
	9/1/00	ND<0	20
	3/1/01	ND<0	20

Rank Sum = 472
Rank Mean = 22.4762

MW-13	9/1/99	ND<0	20
	3/1/00	14	41
	9/1/00	29	45
	3/1/01	ND<0	20

Rank Sum = 126
Rank Mean = 31.5

MW-14	9/1/99	ND<0	20
	3/1/00	65	48
	9/1/00	20	44
	3/1/01	ND<0	20

Rank Sum = 132
Rank Mean = 33

Calculation Results:

Kruskal-Wallis H Statistic = 2.74292
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 5.53098
95% Confidence comparison value is 7.81472 at 3 degrees of freedom
2.74292 < 7.81472 indicating no significant group difference at 5% significance level
5.53098 < 7.81472 indicating no significant group difference at 5% significance level when adjusted for ties

Kruskal-Wallis Non-Parametric Test

Parameter: Lead

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Kruskal Wallis Ranks

Background Wells

Well ID	Date	Result	Rank
MW-7	7/1/93	10	45
	8/1/93	ND<0	21.5
	10/1/93	ND<0	21.5
	11/1/93	ND<0	21.5
	12/1/93	ND<0	21.5
	8/1/94	ND<0	21.5
	11/1/94	ND<0	21.5
	2/1/95	ND<0	21.5
	5/1/95	ND<0	21.5
	9/1/95	ND<0	21.5
	12/1/95	ND<0	21.5
	3/1/96	ND<0	21.5
	9/1/96	ND<0	21.5
	3/1/98	ND<0	21.5
	9/1/98	ND<0	21.5
	3/1/99	ND<0	21.5
	9/1/99	ND<0	21.5
	3/1/00	ND<0	21.5
	9/1/00	7	43
	3/1/01	ND<0	21.5

Rank Sum = 475
Rank Mean = 23.75

Background Rank Sum = 475
Background Rank Mean = 23.75

Compliance Wells

Well ID	Date	Result	Rank
MW-9	8/1/92	10	46
	7/1/93	10	47
	8/1/93	ND<0	21.5
	10/1/93	ND<0	21.5
	11/1/93	ND<0	21.5
	12/1/93	ND<0	21.5
	8/1/94	ND<0	21.5
	11/1/94	ND<0	21.5
	2/1/95	ND<0	21.5
	5/1/95	ND<0	21.5
	9/1/95	ND<0	21.5
	12/1/95	ND<0	21.5
	3/1/96	ND<0	21.5
	9/1/96	ND<0	21.5
	3/1/98	ND<0	21.5
	9/1/98	ND<0	21.5

	3/1/99	ND<0	21.5
	9/1/99	ND<0	21.5
	3/1/00	ND<0	21.5
	9/1/00	ND<0	21.5
	3/1/01	ND<0	21.5

Rank Sum = 501.5
Rank Mean = 23.881

MW-13	9/1/99	ND<0	21.5
	3/1/00	ND<0	21.5
	9/1/00	8	44
	3/1/01	ND<0	21.5

Rank Sum = 108.5
Rank Mean = 27.125

MW-14	9/1/99	ND<0	21.5
	3/1/00	41	49
	9/1/00	38	48
	3/1/01	ND<0	21.5

Rank Sum = 140
Rank Mean = 35

Calculation Results:

Kruskal-Wallis H Statistic = 2.32952
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 6.28993
95% Confidence comparison value is 7.81472 at 3 degrees of freedom
2.32952 < 7.81472 indicating no significant group difference at 5% significance level
6.28993 < 7.81472 indicating no significant group difference at 5% significance level when adjusted for ties

Kruskal-Wallis Non-Parametric Test

Parameter: Silver

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Kruskal Wallis Ranks

Background Wells

Well ID	Date	Result	Rank
MW-7	7/1/93	ND<0	25
	8/1/93	ND<0	25
	10/1/93	ND<0	25
	11/1/93	ND<0	25
	12/1/93	ND<0	25
	8/1/94	ND<0	25
	11/1/94	ND<0	25
	2/1/95	ND<0	25
	5/1/95	ND<0	25
	9/1/95	ND<0	25
	12/1/95	ND<0	25
	3/1/96	ND<0	25
	9/1/96	ND<0	25
	3/1/98	ND<0	25
	9/1/98	ND<0	25
	3/1/99	ND<0	25
	9/1/99	ND<0	25
	3/1/00	ND<0	25
	9/1/00	ND<0	25
	3/1/01	ND<0	25

Rank Sum = 500
Rank Mean = 25

Background Rank Sum = 500
Background Rank Mean = 25

Compliance Wells

Well ID	Date	Result	Rank
MW-9	8/1/92	ND<0	25
	7/1/93	ND<0	25
	8/1/93	ND<0	25
	10/1/93	ND<0	25
	11/1/93	ND<0	25
	12/1/93	ND<0	25
	8/1/94	ND<0	25
	11/1/94	ND<0	25
	2/1/95	ND<0	25
	5/1/95	ND<0	25
	9/1/95	ND<0	25
	12/1/95	ND<0	25
	3/1/96	ND<0	25
	9/1/96	ND<0	25
	3/1/98	ND<0	25
	9/1/98	ND<0	25

	3/1/99	ND<0	25
	9/1/99	ND<0	25
	3/1/00	ND<0	25
	9/1/00	ND<0	25
	3/1/01	ND<0	25

Rank Sum = 525
Rank Mean = 25

MW-13	9/1/99	ND<0	25
	3/1/00	ND<0	25
	9/1/00	ND<0	25
	3/1/01	ND<0	25

Rank Sum = 100
Rank Mean = 25

MW-14	9/1/99	ND<0	25
	3/1/00	ND<0	25
	9/1/00	ND<0	25
	3/1/01	ND<0	25

Rank Sum = 100
Rank Mean = 25

Calculation Results:

Kruskal-Wallis H Statistic = 0
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 0
95% Confidence comparison value is 7.81472 at 3 degrees of freedom
0 < 7.81472 indicating no significant group difference at 5% significance level
0 < 7.81472 indicating no significant group difference at 5% significance level when adjusted for ties

Kruskal-Wallis Non-Parametric Test

Parameter: Zinc

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Kruskal Wallis Ranks

Background Wells

Well ID	Date	Result	Rank
MW-7	10/1/93	ND<0	18.5
	11/1/93	ND<0	18.5
	12/1/93	ND<0	18.5
	8/1/94	ND<0	18.5
	11/1/94	ND<0	18.5
	2/1/95	ND<0	18.5
	5/1/95	ND<0	18.5
	9/1/95	ND<0	18.5
	12/1/95	ND<0	18.5
	3/1/96	ND<0	18.5
	9/1/96	ND<0	18.5
	3/1/98	ND<0	18.5
	9/1/98	ND<0	18.5
	3/1/99	82	42
	9/1/99	ND<0	18.5
	3/1/00	ND<0	18.5
	9/1/00	107	43
	3/1/01	ND<0	18.5

Rank Sum = 381
Rank Mean = 21.1667

Background Rank Sum = 381
Background Rank Mean = 21.1667

Compliance Wells

Well ID	Date	Result	Rank
MW-9	8/1/92	71	40
	10/1/93	ND<0	18.5
	11/1/93	ND<0	18.5
	12/1/93	ND<0	18.5
	8/1/94	ND<0	18.5
	11/1/94	ND<0	18.5
	2/1/95	ND<0	18.5
	5/1/95	ND<0	18.5
	9/1/95	ND<0	18.5
	12/1/95	ND<0	18.5
	3/1/96	27	38
	9/1/96	ND<0	18.5
	3/1/98	26	37
	9/1/98	ND<0	18.5
	3/1/99	ND<0	18.5
	9/1/99	ND<0	18.5
	3/1/00	ND<0	18.5
	9/1/00	ND<0	18.5

	3/1/01	ND<0	18.5

Rank Sum = 411
Rank Mean = 21.6316

MW-13	9/1/99	ND<0	18.5
	3/1/00	40	39
	9/1/00	72	41
	3/1/01	ND<0	18.5

Rank Sum = 117
Rank Mean = 29.25

MW-14	9/1/99	ND<0	18.5
	3/1/00	754	45
	9/1/00	268	44
	3/1/01	ND<0	18.5

Rank Sum = 126
Rank Mean = 31.5

Calculation Results:

Kruskal-Wallis H Statistic = 3.13814
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 6.42874
95% Confidence comparison value is 7.81472 at 3 degrees of freedom
3.13814 < 7.81472 indicating no significant group difference at 5% significance level
6.42874 < 7.81472 indicating no significant group difference at 5% significance level when adjusted for ties

Kruskal-Wallis Non-Parametric Test

Parameter: 1-1-1-Trichloroethane

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Kruskal Wallis Ranks

Background Wells

Well ID	Date	Result	Rank
MW-7	8/1/93	ND<0	23
	10/1/93	ND<0	23
	11/1/93	ND<0	23
	12/1/93	ND<0	23
	8/1/94	ND<0	23
	11/1/94	ND<0	23
	2/1/95	0.009	46
	5/1/95	ND<0	23
	9/1/95	ND<0	23
	12/1/95	ND<0	23
	3/1/96	ND<0	23
	9/1/96	ND<0	23
	3/1/98	ND<0	23
	9/1/98	ND<0	23
	3/1/99	ND<0	23
	9/1/99	ND<0	23
	3/1/00	ND<0	23
	9/1/00	ND<0	23
	3/1/01	ND<0	23

Rank Sum = 460
Rank Mean = 24.2105

Background Rank Sum = 460
Background Rank Mean = 24.2105

Compliance Wells

Well ID	Date	Result	Rank
MW-9	8/1/93	ND<0	23
	10/1/93	ND<0	23
	11/1/93	ND<0	23
	12/1/93	ND<0	23
	8/1/94	ND<0	23
	11/1/94	ND<0	23
	2/1/95	ND<0	23
	5/1/95	ND<0	23
	9/1/95	ND<0	23
	12/1/95	ND<0	23
	3/1/96	ND<0	23
	9/1/96	ND<0	23
	3/1/98	ND<0	23
	9/1/98	ND<0	23
	3/1/99	ND<0	23
	9/1/99	ND<0	23
	3/1/00	ND<0	23

	9/1/00	ND<0	23
	3/1/01	ND<0	23

Rank Sum = 437
Rank Mean = 23

MW-13	9/1/99	ND<0	23
	3/1/00	ND<0	23
	9/1/00	ND<0	23
	3/1/01	ND<0	23

Rank Sum = 92
Rank Mean = 23

MW-14	9/1/99	ND<0	23
	3/1/00	ND<0	23
	9/1/00	ND<0	23
	3/1/01	ND<0	23

Rank Sum = 92
Rank Mean = 23

Calculation Results:

Kruskal-Wallis H Statistic = 0.0907055
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 1.42105
95% Confidence comparison value is 7.81472 at 3 degrees of freedom
0.0907055 < 7.81472 indicating no significant group difference at 5% significance level
1.42105 < 7.81472 indicating no significant group difference at 5% significance level when adjusted for ties

Kruskal-Wallis Non-Parametric Test

Parameter: 1-1-2-Trichloroethane

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Kruskal Wallis Ranks

Background Wells

Well ID	Date	Result	Rank
MW-7	8/1/93	ND<0	23.5
	10/1/93	ND<0	23.5
	11/1/93	ND<0	23.5
	12/1/93	ND<0	23.5
	8/1/94	ND<0	23.5
	11/1/94	ND<0	23.5
	2/1/95	ND<0	23.5
	5/1/95	ND<0	23.5
	9/1/95	ND<0	23.5
	12/1/95	ND<0	23.5
	3/1/96	ND<0	23.5
	9/1/96	ND<0	23.5
	3/1/98	ND<0	23.5
	9/1/98	ND<0	23.5
	3/1/99	ND<0	23.5
	9/1/99	ND<0	23.5
	3/1/00	ND<0	23.5
	9/1/00	ND<0	23.5
	3/1/01	ND<0	23.5

Rank Sum = 446.5
Rank Mean = 23.5

Background Rank Sum = 446.5
Background Rank Mean = 23.5

Compliance Wells

Well ID	Date	Result	Rank
MW-9	8/1/93	ND<0	23.5
	10/1/93	ND<0	23.5
	11/1/93	ND<0	23.5
	12/1/93	ND<0	23.5
	8/1/94	ND<0	23.5
	11/1/94	ND<0	23.5
	2/1/95	ND<0	23.5
	5/1/95	ND<0	23.5
	9/1/95	ND<0	23.5
	12/1/95	ND<0	23.5
	3/1/96	ND<0	23.5
	9/1/96	ND<0	23.5
	3/1/98	ND<0	23.5
	9/1/98	ND<0	23.5
	3/1/99	ND<0	23.5
	9/1/99	ND<0	23.5
	3/1/00	ND<0	23.5

	9/1/00	ND<0	23.5
	3/1/01	ND<0	23.5

Rank Sum = 446.5
Rank Mean = 23.5

MW-13	9/1/99	ND<0	23.5
	3/1/00	ND<0	23.5
	9/1/00	ND<0	23.5
	3/1/01	ND<0	23.5

Rank Sum = 94
Rank Mean = 23.5

MW-14	9/1/99	ND<0	23.5
	3/1/00	ND<0	23.5
	9/1/00	ND<0	23.5
	3/1/01	ND<0	23.5

Rank Sum = 94
Rank Mean = 23.5

Calculation Results:

Kruskal-Wallis H Statistic = 0
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 0
95% Confidence comparison value is 7.81472 at 3 degrees of freedom
0 < 7.81472 indicating no significant group difference at 5% significance level
0 < 7.81472 indicating no significant group difference at 5% significance level when adjusted for ties

Kruskal-Wallis Non-Parametric Test

Parameter: 1-1-Dichloroethane

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Kruskal Wallis Ranks

Background Wells

Well ID	Date	Result	Rank
MW-7	8/1/93	ND<0	23
	10/1/93	ND<0	23
	11/1/93	ND<0	23
	12/1/93	ND<0	23
	8/1/94	ND<0	23
	11/1/94	ND<0	23
	2/1/95	0.005	46
	5/1/95	ND<0	23
	9/1/95	ND<0	23
	12/1/95	ND<0	23
	3/1/96	ND<0	23
	9/1/96	ND<0	23
	3/1/98	ND<0	23
	9/1/98	ND<0	23
	3/1/99	ND<0	23
	9/1/99	ND<0	23
	3/1/00	ND<0	23
	9/1/00	ND<0	23
	3/1/01	ND<0	23

Rank Sum = 460
Rank Mean = 24.2105

Background Rank Sum = 460
Background Rank Mean = 24.2105

Compliance Wells

Well ID	Date	Result	Rank
MW-9	8/1/93	ND<0	23
	10/1/93	ND<0	23
	11/1/93	ND<0	23
	12/1/93	ND<0	23
	8/1/94	ND<0	23
	11/1/94	ND<0	23
	2/1/95	ND<0	23
	5/1/95	ND<0	23
	9/1/95	ND<0	23
	12/1/95	ND<0	23
	3/1/96	ND<0	23
	9/1/96	ND<0	23
	3/1/98	ND<0	23
	9/1/98	ND<0	23
	3/1/99	ND<0	23
	9/1/99	ND<0	23
	3/1/00	ND<0	23

	9/1/00	ND<0	23
	3/1/01	ND<0	23

Rank Sum = 437
Rank Mean = 23

MW-13	9/1/99	ND<0	23
	3/1/00	ND<0	23
	9/1/00	ND<0	23
	3/1/01	ND<0	23

Rank Sum = 92
Rank Mean = 23

MW-14	9/1/99	ND<0	23
	3/1/00	ND<0	23
	9/1/00	ND<0	23
	3/1/01	ND<0	23

Rank Sum = 92
Rank Mean = 23

Calculation Results:

Kruskal-Wallis H Statistic = 0.0907055
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 1.42105
95% Confidence comparison value is 7.81472 at 3 degrees of freedom
0.0907055 < 7.81472 indicating no significant group difference at 5% significance level
1.42105 < 7.81472 indicating no significant group difference at 5% significance level when adjusted for ties

Kruskal-Wallis Non-Parametric Test

Parameter: 1-2-4 Trimethylbenzene

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Kruskal Wallis Ranks

Background Wells

Well ID	Date	Result	Rank
MW-7	8/1/93	ND<0	23.5
	10/1/93	ND<0	23.5
	11/1/93	ND<0	23.5
	12/1/93	ND<0	23.5
	8/1/94	ND<0	23.5
	11/1/94	ND<0	23.5
	2/1/95	ND<0	23.5
	5/1/95	ND<0	23.5
	9/1/95	ND<0	23.5
	12/1/95	ND<0	23.5
	3/1/96	ND<0	23.5
	9/1/96	ND<0	23.5
	3/1/98	ND<0	23.5
	9/1/98	ND<0	23.5
	3/1/99	ND<0	23.5
	9/1/99	ND<0	23.5
	3/1/00	ND<0	23.5
	9/1/00	ND<0	23.5
	3/1/01	ND<0	23.5

Rank Sum = 446.5
Rank Mean = 23.5

Background Rank Sum = 446.5
Background Rank Mean = 23.5

Compliance Wells

Well ID	Date	Result	Rank
MW-9	8/1/93	ND<0	23.5
	10/1/93	ND<0	23.5
	11/1/93	ND<0	23.5
	12/1/93	ND<0	23.5
	8/1/94	ND<0	23.5
	11/1/94	ND<0	23.5
	2/1/95	ND<0	23.5
	5/1/95	ND<0	23.5
	9/1/95	ND<0	23.5
	12/1/95	ND<0	23.5
	3/1/96	ND<0	23.5
	9/1/96	ND<0	23.5
	3/1/98	ND<0	23.5
	9/1/98	ND<0	23.5
	3/1/99	ND<0	23.5
	9/1/99	ND<0	23.5
	3/1/00	ND<0	23.5

	9/1/00	ND<0	23.5
	3/1/01	ND<0	23.5

Rank Sum = 446.5
Rank Mean = 23.5

MW-13	9/1/99	ND<0	23.5
	3/1/00	ND<0	23.5
	9/1/00	ND<0	23.5
	3/1/01	ND<0	23.5

Rank Sum = 94
Rank Mean = 23.5

MW-14	9/1/99	ND<0	23.5
	3/1/00	ND<0	23.5
	9/1/00	ND<0	23.5
	3/1/01	ND<0	23.5

Rank Sum = 94
Rank Mean = 23.5

Calculation Results:

Kruskal-Wallis H Statistic = 0
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 0
95% Confidence comparison value is 7.81472 at 3 degrees of freedom
0 < 7.81472 indicating no significant group difference at 5% significance level
0 < 7.81472 indicating no significant group difference at 5% significance level when adjusted for ties

Kruskal-Wallis Non-Parametric Test

Parameter: 1-2-Dichloroethane

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Kruskal Wallis Ranks

Background Wells

Well ID	Date	Result	Rank
MW-7	8/1/93	ND<0	23.5
	10/1/93	ND<0	23.5
	11/1/93	ND<0	23.5
	12/1/93	ND<0	23.5
	8/1/94	ND<0	23.5
	11/1/94	ND<0	23.5
	2/1/95	ND<0	23.5
	5/1/95	ND<0	23.5
	9/1/95	ND<0	23.5
	12/1/95	ND<0	23.5
	3/1/96	ND<0	23.5
	9/1/96	ND<0	23.5
	3/1/98	ND<0	23.5
	9/1/98	ND<0	23.5
	3/1/99	ND<0	23.5
	9/1/99	ND<0	23.5
	3/1/00	ND<0	23.5
	9/1/00	ND<0	23.5
	3/1/01	ND<0	23.5

Rank Sum = 446.5
Rank Mean = 23.5

Background Rank Sum = 446.5
Background Rank Mean = 23.5

Compliance Wells

Well ID	Date	Result	Rank
MW-9	8/1/93	ND<0	23.5
	10/1/93	ND<0	23.5
	11/1/93	ND<0	23.5
	12/1/93	ND<0	23.5
	8/1/94	ND<0	23.5
	11/1/94	ND<0	23.5
	2/1/95	ND<0	23.5
	5/1/95	ND<0	23.5
	9/1/95	ND<0	23.5
	12/1/95	ND<0	23.5
	3/1/96	ND<0	23.5
	9/1/96	ND<0	23.5
	3/1/98	ND<0	23.5
	9/1/98	ND<0	23.5
	3/1/99	ND<0	23.5
	9/1/99	ND<0	23.5
	3/1/00	ND<0	23.5

	9/1/00	ND<0	23.5
	3/1/01	ND<0	23.5

Rank Sum = 446.5
Rank Mean = 23.5

MW-13	9/1/99	ND<0	23.5
	3/1/00	ND<0	23.5
	9/1/00	ND<0	23.5
	3/1/01	ND<0	23.5

Rank Sum = 94
Rank Mean = 23.5

MW-14	9/1/99	ND<0	23.5
	3/1/00	ND<0	23.5
	9/1/00	ND<0	23.5
	3/1/01	ND<0	23.5

Rank Sum = 94
Rank Mean = 23.5

Calculation Results:

Kruskal-Wallis H Statistic = 0
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 0
95% Confidence comparison value is 7.81472 at 3 degrees of freedom
0 < 7.81472 indicating no significant group difference at 5% significance level
0 < 7.81472 indicating no significant group difference at 5% significance level when adjusted for ties

Kruskal-Wallis Non-Parametric Test

Parameter: Acetone

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Kruskal Wallis Ranks

Background Wells

Well ID	Date	Result	Rank
MW-7	7/1/93	ND<0	24.5
	8/1/93	ND<0	24.5
	10/1/93	ND<0	24.5
	11/1/93	ND<0	24.5
	12/1/93	ND<0	24.5
	8/1/94	ND<0	24.5
	11/1/94	ND<0	24.5
	2/1/95	ND<0	24.5
	5/1/95	ND<0	24.5
	9/1/95	ND<0	24.5
	12/1/95	ND<0	24.5
	3/1/96	ND<0	24.5
	9/1/96	ND<0	24.5
	3/1/98	ND<0	24.5
	9/1/98	ND<0	24.5
	3/1/99	ND<0	24.5
	9/1/99	ND<0	24.5
	3/1/00	ND<0	24.5
	9/1/00	ND<0	24.5
	3/1/01	ND<0	24.5

Rank Sum = 490
Rank Mean = 24.5

Background Rank Sum = 490
Background Rank Mean = 24.5

Compliance Wells

Well ID	Date	Result	Rank
MW-9	8/1/92	0.15	49
	7/1/93	ND<0	24.5
	8/1/93	ND<0	24.5
	10/1/93	ND<0	24.5
	11/1/93	ND<0	24.5
	12/1/93	ND<0	24.5
	8/1/94	ND<0	24.5
	11/1/94	ND<0	24.5
	2/1/95	ND<0	24.5
	5/1/95	ND<0	24.5
	9/1/95	ND<0	24.5
	12/1/95	ND<0	24.5
	3/1/96	ND<0	24.5
	9/1/96	ND<0	24.5
	3/1/98	ND<0	24.5
	9/1/98	ND<0	24.5

	3/1/99	ND<0	24.5
	9/1/99	ND<0	24.5
	3/1/00	ND<0	24.5
	9/1/00	ND<0	24.5
	3/1/01	ND<0	24.5

Rank Sum = 539
Rank Mean = 25.6667

MW-13	9/1/99	ND<0	24.5
	3/1/00	ND<0	24.5
	9/1/00	ND<0	24.5
	3/1/01	ND<0	24.5

Rank Sum = 98
Rank Mean = 24.5

MW-14	9/1/99	ND<0	24.5
	3/1/00	ND<0	24.5
	9/1/00	ND<0	24.5
	3/1/01	ND<0	24.5

Rank Sum = 98
Rank Mean = 24.5

Calculation Results:

Kruskal-Wallis H Statistic = 0.08
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 1.33333
95% Confidence comparison value is 7.81472 at 3 degrees of freedom
0.08 < 7.81472 indicating no significant group difference at 5% significance level
1.33333 < 7.81472 indicating no significant group difference at 5% significance level when adjusted for ties

Kruskal-Wallis Non-Parametric Test

Parameter: Benzene

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Kruskal Wallis Ranks

Background Wells

Well ID	Date	Result	Rank
MW-7	7/1/93	ND<0	25
	8/1/93	ND<0	25
	10/1/93	ND<0	25
	11/1/93	ND<0	25
	12/1/93	ND<0	25
	8/1/94	ND<0	25
	11/1/94	ND<0	25
	2/1/95	ND<0	25
	5/1/95	ND<0	25
	9/1/95	ND<0	25
	12/1/95	ND<0	25
	3/1/96	ND<0	25
	9/1/96	ND<0	25
	3/1/98	ND<0	25
	9/1/98	ND<0	25
	3/1/99	ND<0	25
	9/1/99	ND<0	25
	3/1/00	ND<0	25
	9/1/00	ND<0	25
	3/1/01	ND<0	25

Rank Sum = 500
Rank Mean = 25

Background Rank Sum = 500
Background Rank Mean = 25

Compliance Wells

Well ID	Date	Result	Rank
MW-9	8/1/92	ND<0	25
	7/1/93	ND<0	25
	8/1/93	ND<0	25
	10/1/93	ND<0	25
	11/1/93	ND<0	25
	12/1/93	ND<0	25
	8/1/94	ND<0	25
	11/1/94	ND<0	25
	2/1/95	ND<0	25
	5/1/95	ND<0	25
	9/1/95	ND<0	25
	12/1/95	ND<0	25
	3/1/96	ND<0	25
	9/1/96	ND<0	25
	3/1/98	ND<0	25
	9/1/98	ND<0	25

	3/1/99	ND<0	25
	9/1/99	ND<0	25
	3/1/00	ND<0	25
	9/1/00	ND<0	25
	3/1/01	ND<0	25

Rank Sum = 525
Rank Mean = 25

MW-13	9/1/99	ND<0	25
	3/1/00	ND<0	25
	9/1/00	ND<0	25
	3/1/01	ND<0	25

Rank Sum = 100
Rank Mean = 25

MW-14	9/1/99	ND<0	25
	3/1/00	ND<0	25
	9/1/00	ND<0	25
	3/1/01	ND<0	25

Rank Sum = 100
Rank Mean = 25

Calculation Results:

Kruskal-Wallis H Statistic = 0
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 0
95% Confidence comparison value is 7.81472 at 3 degrees of freedom
0 < 7.81472 indicating no significant group difference at 5% significance level
0 < 7.81472 indicating no significant group difference at 5% significance level when adjusted for ties

Kruskal-Wallis Non-Parametric Test

Parameter: Carbon Tetrachloride

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Kruskal Wallis Ranks

Background Wells

Well ID	Date	Result	Rank
MW-7	7/1/93	ND<0	25
	8/1/93	ND<0	25
	10/1/93	ND<0	25
	11/1/93	ND<0	25
	12/1/93	ND<0	25
	8/1/94	ND<0	25
	11/1/94	ND<0	25
	2/1/95	ND<0	25
	5/1/95	ND<0	25
	9/1/95	ND<0	25
	12/1/95	ND<0	25
	3/1/96	ND<0	25
	9/1/96	ND<0	25
	3/1/98	ND<0	25
	9/1/98	ND<0	25
	3/1/99	ND<0	25
	9/1/99	ND<0	25
	3/1/00	ND<0	25
	9/1/00	ND<0	25
	3/1/01	ND<0	25

Rank Sum = 500
Rank Mean = 25

Background Rank Sum = 500
Background Rank Mean = 25

Compliance Wells

Well ID	Date	Result	Rank
MW-9	8/1/92	ND<0	25
	7/1/93	ND<0	25
	8/1/93	ND<0	25
	10/1/93	ND<0	25
	11/1/93	ND<0	25
	12/1/93	ND<0	25
	8/1/94	ND<0	25
	11/1/94	ND<0	25
	2/1/95	ND<0	25
	5/1/95	ND<0	25
	9/1/95	ND<0	25
	12/1/95	ND<0	25
	3/1/96	ND<0	25
	9/1/96	ND<0	25
	3/1/98	ND<0	25
	9/1/98	ND<0	25

	3/1/99	ND<0	25
	9/1/99	ND<0	25
	3/1/00	ND<0	25
	9/1/00	ND<0	25
	3/1/01	ND<0	25

Rank Sum = 525
Rank Mean = 25

MW-13	9/1/99	ND<0	25
	3/1/00	ND<0	25
	9/1/00	ND<0	25
	3/1/01	ND<0	25

Rank Sum = 100
Rank Mean = 25

MW-14	9/1/99	ND<0	25
	3/1/00	ND<0	25
	9/1/00	ND<0	25
	3/1/01	ND<0	25

Rank Sum = 100
Rank Mean = 25

Calculation Results:

Kruskal-Wallis H Statistic = 0
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 0
95% Confidence comparison value is 7.81472 at 3 degrees of freedom
0 < 7.81472 indicating no significant group difference at 5% significance level
0 < 7.81472 indicating no significant group difference at 5% significance level when adjusted for ties

Kruskal-Wallis Non-Parametric Test

Parameter: Chloroethane

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Kruskal Wallis Ranks

Background Wells

Well ID	Date	Result	Rank
MW-7	7/1/93	ND<0	25
	8/1/93	ND<0	25
	10/1/93	ND<0	25
	11/1/93	ND<0	25
	12/1/93	ND<0	25
	8/1/94	ND<0	25
	11/1/94	ND<0	25
	2/1/95	ND<0	25
	5/1/95	ND<0	25
	9/1/95	ND<0	25
	12/1/95	ND<0	25
	3/1/96	ND<0	25
	9/1/96	ND<0	25
	3/1/98	ND<0	25
	9/1/98	ND<0	25
	3/1/99	ND<0	25
	9/1/99	ND<0	25
	3/1/00	ND<0	25
	9/1/00	ND<0	25
	3/1/01	ND<0	25

Rank Sum = 500
Rank Mean = 25

Background Rank Sum = 500
Background Rank Mean = 25

Compliance Wells

Well ID	Date	Result	Rank
MW-9	8/1/92	ND<0	25
	7/1/93	ND<0	25
	8/1/93	ND<0	25
	10/1/93	ND<0	25
	11/1/93	ND<0	25
	12/1/93	ND<0	25
	8/1/94	ND<0	25
	11/1/94	ND<0	25
	2/1/95	ND<0	25
	5/1/95	ND<0	25
	9/1/95	ND<0	25
	12/1/95	ND<0	25
	3/1/96	ND<0	25
	9/1/96	ND<0	25
	3/1/98	ND<0	25
	9/1/98	ND<0	25

	3/1/99	ND<0	25
	9/1/99	ND<0	25
	3/1/00	ND<0	25
	9/1/00	ND<0	25
	3/1/01	ND<0	25

Rank Sum = 525
Rank Mean = 25

MW-13	9/1/99	ND<0	25
	3/1/00	ND<0	25
	9/1/00	ND<0	25
	3/1/01	ND<0	25

Rank Sum = 100
Rank Mean = 25

MW-14	9/1/99	ND<0	25
	3/1/00	ND<0	25
	9/1/00	ND<0	25
	3/1/01	ND<0	25

Rank Sum = 100
Rank Mean = 25

Calculation Results:

Kruskal-Wallis H Statistic = 0
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 0
95% Confidence comparison value is 7.81472 at 3 degrees of freedom
0 < 7.81472 indicating no significant group difference at 5% significance level
0 < 7.81472 indicating no significant group difference at 5% significance level when adjusted for ties

Kruskal-Wallis Non-Parametric Test

Parameter: Chloroform

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Kruskal Wallis Ranks

Background Wells

Well ID	Date	Result	Rank
MW-7	7/1/93	ND<0	25
	8/1/93	ND<0	25
	10/1/93	ND<0	25
	11/1/93	ND<0	25
	12/1/93	ND<0	25
	8/1/94	ND<0	25
	11/1/94	ND<0	25
	2/1/95	ND<0	25
	5/1/95	ND<0	25
	9/1/95	ND<0	25
	12/1/95	ND<0	25
	3/1/96	ND<0	25
	9/1/96	ND<0	25
	3/1/98	ND<0	25
	9/1/98	ND<0	25
	3/1/99	ND<0	25
	9/1/99	ND<0	25
	3/1/00	ND<0	25
	9/1/00	ND<0	25
	3/1/01	ND<0	25

Rank Sum = 500
Rank Mean = 25

Background Rank Sum = 500
Background Rank Mean = 25

Compliance Wells

Well ID	Date	Result	Rank
MW-9	8/1/92	ND<0	25
	7/1/93	ND<0	25
	8/1/93	ND<0	25
	10/1/93	ND<0	25
	11/1/93	ND<0	25
	12/1/93	ND<0	25
	8/1/94	ND<0	25
	11/1/94	ND<0	25
	2/1/95	ND<0	25
	5/1/95	ND<0	25
	9/1/95	ND<0	25
	12/1/95	ND<0	25
	3/1/96	ND<0	25
	9/1/96	ND<0	25
	3/1/98	ND<0	25
	9/1/98	ND<0	25

	3/1/99	ND<0	25
	9/1/99	ND<0	25
	3/1/00	ND<0	25
	9/1/00	ND<0	25
	3/1/01	ND<0	25

Rank Sum = 525
Rank Mean = 25

MW-13	9/1/99	ND<0	25
	3/1/00	ND<0	25
	9/1/00	ND<0	25
	3/1/01	ND<0	25

Rank Sum = 100
Rank Mean = 25

MW-14	9/1/99	ND<0	25
	3/1/00	ND<0	25
	9/1/00	ND<0	25
	3/1/01	ND<0	25

Rank Sum = 100
Rank Mean = 25

Calculation Results:

Kruskal-Wallis H Statistic = 0
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 0
95% Confidence comparison value is 7.81472 at 3 degrees of freedom
0 < 7.81472 indicating no significant group difference at 5% significance level
0 < 7.81472 indicating no significant group difference at 5% significance level when adjusted for ties

Kruskal-Wallis Non-Parametric Test

Parameter: cis-1-3-Dichloropropene

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Kruskal Wallis Ranks

Background Wells

Well ID	Date	Result	Rank
MW-7	8/1/93	ND<0	23.5
	10/1/93	ND<0	23.5
	11/1/93	ND<0	23.5
	12/1/93	ND<0	23.5
	8/1/94	ND<0	23.5
	11/1/94	ND<0	23.5
	2/1/95	ND<0	23.5
	5/1/95	ND<0	23.5
	9/1/95	ND<0	23.5
	12/1/95	ND<0	23.5
	3/1/96	ND<0	23.5
	9/1/96	ND<0	23.5
	3/1/98	ND<0	23.5
	9/1/98	ND<0	23.5
	3/1/99	ND<0	23.5
	9/1/99	ND<0	23.5
	3/1/00	ND<0	23.5
	9/1/00	ND<0	23.5
	3/1/01	ND<0	23.5

Rank Sum = 446.5
Rank Mean = 23.5

Background Rank Sum = 446.5
Background Rank Mean = 23.5

Compliance Wells

Well ID	Date	Result	Rank
MW-9	8/1/93	ND<0	23.5
	10/1/93	ND<0	23.5
	11/1/93	ND<0	23.5
	12/1/93	ND<0	23.5
	8/1/94	ND<0	23.5
	11/1/94	ND<0	23.5
	2/1/95	ND<0	23.5
	5/1/95	ND<0	23.5
	9/1/95	ND<0	23.5
	12/1/95	ND<0	23.5
	3/1/96	ND<0	23.5
	9/1/96	ND<0	23.5
	3/1/98	ND<0	23.5
	9/1/98	ND<0	23.5
	3/1/99	ND<0	23.5
	9/1/99	ND<0	23.5
	3/1/00	ND<0	23.5

	9/1/00	ND<0	23.5
	3/1/01	ND<0	23.5

Rank Sum = 446.5
Rank Mean = 23.5

MW-13	9/1/99	ND<0	23.5
	3/1/00	ND<0	23.5
	9/1/00	ND<0	23.5
	3/1/01	ND<0	23.5

Rank Sum = 94
Rank Mean = 23.5

MW-14	9/1/99	ND<0	23.5
	3/1/00	ND<0	23.5
	9/1/00	ND<0	23.5
	3/1/01	ND<0	23.5

Rank Sum = 94
Rank Mean = 23.5

Calculation Results:

Kruskal-Wallis H Statistic = 0
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 0
95% Confidence comparison value is 7.81472 at 3 degrees of freedom
0 < 7.81472 indicating no significant group difference at 5% significance level
0 < 7.81472 indicating no significant group difference at 5% significance level when adjusted for ties

Kruskal-Wallis Non-Parametric Test

Parameter: Ethylbenzene

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Kruskal Wallis Ranks

Background Wells

Well ID	Date	Result	Rank
MW-7	7/1/93	ND<0	25
	8/1/93	ND<0	25
	10/1/93	ND<0	25
	11/1/93	ND<0	25
	12/1/93	ND<0	25
	8/1/94	ND<0	25
	11/1/94	ND<0	25
	2/1/95	ND<0	25
	5/1/95	ND<0	25
	9/1/95	ND<0	25
	12/1/95	ND<0	25
	3/1/96	ND<0	25
	9/1/96	ND<0	25
	3/1/98	ND<0	25
	9/1/98	ND<0	25
	3/1/99	ND<0	25
	9/1/99	ND<0	25
	3/1/00	ND<0	25
	9/1/00	ND<0	25
	3/1/01	ND<0	25

Rank Sum = 500
Rank Mean = 25

Background Rank Sum = 500
Background Rank Mean = 25

Compliance Wells

Well ID	Date	Result	Rank
MW-9	8/1/92	ND<0	25
	7/1/93	ND<0	25
	8/1/93	ND<0	25
	10/1/93	ND<0	25
	11/1/93	ND<0	25
	12/1/93	ND<0	25
	8/1/94	ND<0	25
	11/1/94	ND<0	25
	2/1/95	ND<0	25
	5/1/95	ND<0	25
	9/1/95	ND<0	25
	12/1/95	ND<0	25
	3/1/96	ND<0	25
	9/1/96	ND<0	25
	3/1/98	ND<0	25
	9/1/98	ND<0	25

	3/1/99	ND<0	25
	9/1/99	ND<0	25
	3/1/00	ND<0	25
	9/1/00	ND<0	25
	3/1/01	ND<0	25

Rank Sum = 525
Rank Mean = 25

MW-13	9/1/99	ND<0	25
	3/1/00	ND<0	25
	9/1/00	ND<0	25
	3/1/01	ND<0	25

Rank Sum = 100
Rank Mean = 25

MW-14	9/1/99	ND<0	25
	3/1/00	ND<0	25
	9/1/00	ND<0	25
	3/1/01	ND<0	25

Rank Sum = 100
Rank Mean = 25

Calculation Results:

Kruskal-Wallis H Statistic = 0
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 0
95% Confidence comparison value is 7.81472 at 3 degrees of freedom
0 < 7.81472 indicating no significant group difference at 5% significance level
0 < 7.81472 indicating no significant group difference at 5% significance level when adjusted for ties

Kruskal-Wallis Non-Parametric Test

Parameter: Isopropylbenzene

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Kruskal Wallis Ranks

Background Wells

Well ID	Date	Result	Rank
MW-7	7/1/93	ND<0	25
	8/1/93	ND<0	25
	10/1/93	ND<0	25
	11/1/93	ND<0	25
	12/1/93	ND<0	25
	8/1/94	ND<0	25
	11/1/94	ND<0	25
	2/1/95	ND<0	25
	5/1/95	ND<0	25
	9/1/95	ND<0	25
	12/1/95	ND<0	25
	3/1/96	ND<0	25
	9/1/96	ND<0	25
	3/1/98	ND<0	25
	9/1/98	ND<0	25
	3/1/99	ND<0	25
	9/1/99	ND<0	25
	3/1/00	ND<0	25
	9/1/00	ND<0	25
	3/1/01	ND<0	25

Rank Sum = 500
Rank Mean = 25

Background Rank Sum = 500
Background Rank Mean = 25

Compliance Wells

Well ID	Date	Result	Rank
MW-9	8/1/92	ND<0	25
	7/1/93	ND<0	25
	8/1/93	ND<0	25
	10/1/93	ND<0	25
	11/1/93	ND<0	25
	12/1/93	ND<0	25
	8/1/94	ND<0	25
	11/1/94	ND<0	25
	2/1/95	ND<0	25
	5/1/95	ND<0	25
	9/1/95	ND<0	25
	12/1/95	ND<0	25
	3/1/96	ND<0	25
	9/1/96	ND<0	25
	3/1/98	ND<0	25
	9/1/98	ND<0	25

	3/1/99	ND<0	25
	9/1/99	ND<0	25
	3/1/00	ND<0	25
	9/1/00	ND<0	25
	3/1/01	ND<0	25

Rank Sum = 525
Rank Mean = 25

MW-13	9/1/99	ND<0	25
	3/1/00	ND<0	25
	9/1/00	ND<0	25
	3/1/01	ND<0	25

Rank Sum = 100
Rank Mean = 25

MW-14	9/1/99	ND<0	25
	3/1/00	ND<0	25
	9/1/00	ND<0	25
	3/1/01	ND<0	25

Rank Sum = 100
Rank Mean = 25

Calculation Results:

Kruskal-Wallis H Statistic = 0
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 0
95% Confidence comparison value is 7.81472 at 3 degrees of freedom
0 < 7.81472 indicating no significant group difference at 5% significance level
0 < 7.81472 indicating no significant group difference at 5% significance level when adjusted for ties

Kruskal-Wallis Non-Parametric Test

Parameter: n-Propylbenzene

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Kruskal Wallis Ranks

Background Wells

Well ID	Date	Result	Rank
MW-7	7/1/93	ND<0	24.5
	8/1/93	ND<0	24.5
	10/1/93	ND<0	24.5
	11/1/93	ND<0	24.5
	12/1/93	ND<0	24.5
	8/1/94	ND<0	24.5
	11/1/94	ND<0	24.5
	2/1/95	ND<0	24.5
	5/1/95	ND<0	24.5
	9/1/95	ND<0	24.5
	12/1/95	ND<0	24.5
	3/1/96	ND<0	24.5
	9/1/96	ND<0	24.5
	3/1/98	ND<0	24.5
	9/1/98	ND<0	24.5
	3/1/99	ND<0	24.5
	9/1/99	ND<0	24.5
	3/1/00	ND<0	24.5
	9/1/00	ND<0	24.5
	3/1/01	ND<0	24.5

Rank Sum = 490
Rank Mean = 24.5

Background Rank Sum = 490
Background Rank Mean = 24.5

Compliance Wells

Well ID	Date	Result	Rank
MW-9	7/1/93	ND<0	24.5
	8/1/93	ND<0	24.5
	10/1/93	ND<0	24.5
	11/1/93	ND<0	24.5
	12/1/93	ND<0	24.5
	8/1/94	ND<0	24.5
	11/1/94	ND<0	24.5
	2/1/95	ND<0	24.5
	5/1/95	ND<0	24.5
	9/1/95	ND<0	24.5
	12/1/95	ND<0	24.5
	3/1/96	ND<0	24.5
	9/1/96	ND<0	24.5
	3/1/98	ND<0	24.5
	9/1/98	ND<0	24.5
	3/1/99	ND<0	24.5

	9/1/99	ND<0	24.5
	3/1/00	ND<0	24.5
	9/1/00	ND<0	24.5
	3/1/01	ND<0	24.5

Rank Sum = 490
Rank Mean = 24.5

MW-13	9/1/99	ND<0	24.5
	3/1/00	ND<0	24.5
	9/1/00	ND<0	24.5
	3/1/01	ND<0	24.5

Rank Sum = 98
Rank Mean = 24.5

MW-14	9/1/99	ND<0	24.5
	3/1/00	ND<0	24.5
	9/1/00	ND<0	24.5
	3/1/01	ND<0	24.5

Rank Sum = 98
Rank Mean = 24.5

Calculation Results:

Kruskal-Wallis H Statistic = 0
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 0
95% Confidence comparison value is 7.81472 at 3 degrees of freedom
0 < 7.81472 indicating no significant group difference at 5% significance level
0 < 7.81472 indicating no significant group difference at 5% significance level when adjusted for ties

Kruskal-Wallis Non-Parametric Test

Parameter: Phenol

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Kruskal Wallis Ranks

Background Wells

Well ID	Date	Result	Rank
MW-7	7/1/93	ND<0	23.5
	8/1/93	ND<0	23.5
	10/1/93	ND<0	23.5
	11/1/93	ND<0	23.5
	12/1/93	ND<0	23.5
	8/1/94	ND<0	23.5
	11/1/94	ND<0	23.5
	2/1/95	50	47
	5/1/95	ND<0	23.5
	9/1/95	ND<0	23.5
	12/1/95	ND<0	23.5
	3/1/96	ND<0	23.5
	9/1/96	ND<0	23.5
	3/1/98	ND<0	23.5
	9/1/98	105	49
	3/1/99	ND<0	23.5
	9/1/99	ND<0	23.5
	3/1/00	ND<0	23.5
	9/1/00	ND<0	23.5
	3/1/01	ND<0	23.5

Rank Sum = 519
Rank Mean = 25.95

Background Rank Sum = 519
Background Rank Mean = 25.95

Compliance Wells

Well ID	Date	Result	Rank
MW-9	8/1/92	ND<0	23.5
	7/1/93	ND<0	23.5
	8/1/93	ND<0	23.5
	10/1/93	ND<0	23.5
	11/1/93	ND<0	23.5
	12/1/93	ND<0	23.5
	8/1/94	ND<0	23.5
	11/1/94	ND<0	23.5
	2/1/95	50	48
	5/1/95	ND<0	23.5
	9/1/95	ND<0	23.5
	12/1/95	ND<0	23.5
	3/1/96	ND<0	23.5
	9/1/96	ND<0	23.5
	3/1/98	ND<0	23.5
	9/1/98	ND<0	23.5

	3/1/99	ND<0	23.5
	9/1/99	ND<0	23.5
	3/1/00	ND<0	23.5
	9/1/00	ND<0	23.5
	3/1/01	ND<0	23.5

Rank Sum = 518
Rank Mean = 24.6667

MW-13	9/1/99	ND<0	23.5
	3/1/00	ND<0	23.5
	9/1/00	ND<0	23.5
	3/1/01	ND<0	23.5

Rank Sum = 94
Rank Mean = 23.5

MW-14	9/1/99	ND<0	23.5
	3/1/00	ND<0	23.5
	9/1/00	ND<0	23.5
	3/1/01	ND<0	23.5

Rank Sum = 94
Rank Mean = 23.5

Calculation Results:

Kruskal-Wallis H Statistic = 0.188
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 1.08857
95% Confidence comparison value is 7.81472 at 3 degrees of freedom
0.188 < 7.81472 indicating no significant group difference at 5% significance level
1.08857 < 7.81472 indicating no significant group difference at 5% significance level when adjusted for ties

Kruskal-Wallis Non-Parametric Test

Parameter: Trichloroethylene

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Kruskal Wallis Ranks

Background Wells

Well ID	Date	Result	Rank
MW-7	7/1/93	ND<0	25
	8/1/93	ND<0	25
	10/1/93	ND<0	25
	11/1/93	ND<0	25
	12/1/93	ND<0	25
	8/1/94	ND<0	25
	11/1/94	ND<0	25
	2/1/95	ND<0	25
	5/1/95	ND<0	25
	9/1/95	ND<0	25
	12/1/95	ND<0	25
	3/1/96	ND<0	25
	9/1/96	ND<0	25
	3/1/98	ND<0	25
	9/1/98	ND<0	25
	3/1/99	ND<0	25
	9/1/99	ND<0	25
	3/1/00	ND<0	25
	9/1/00	ND<0	25
	3/1/01	ND<0	25

Rank Sum = 500
Rank Mean = 25

Background Rank Sum = 500
Background Rank Mean = 25

Compliance Wells

Well ID	Date	Result	Rank
MW-9	8/1/92	ND<0	25
	7/1/93	ND<0	25
	8/1/93	ND<0	25
	10/1/93	ND<0	25
	11/1/93	ND<0	25
	12/1/93	ND<0	25
	8/1/94	ND<0	25
	11/1/94	ND<0	25
	2/1/95	ND<0	25
	5/1/95	ND<0	25
	9/1/95	ND<0	25
	12/1/95	ND<0	25
	3/1/96	ND<0	25
	9/1/96	ND<0	25
	3/1/98	ND<0	25
	9/1/98	ND<0	25

	3/1/99	ND<0	25
	9/1/99	ND<0	25
	3/1/00	ND<0	25
	9/1/00	ND<0	25
	3/1/01	ND<0	25

Rank Sum = 525
Rank Mean = 25

MW-13	9/1/99	ND<0	25
	3/1/00	ND<0	25
	9/1/00	ND<0	25
	3/1/01	ND<0	25

Rank Sum = 100
Rank Mean = 25

MW-14	9/1/99	ND<0	25
	3/1/00	ND<0	25
	9/1/00	ND<0	25
	3/1/01	ND<0	25

Rank Sum = 100
Rank Mean = 25

Calculation Results:

Kruskal-Wallis H Statistic = 0
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 0
95% Confidence comparison value is 7.81472 at 3 degrees of freedom
0 < 7.81472 indicating no significant group difference at 5% significance level
0 < 7.81472 indicating no significant group difference at 5% significance level when adjusted for ties

Kruskal-Wallis Non-Parametric Test

Parameter: Aluminum

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Kruskal Wallis Ranks

Background Wells

Well ID	Date	Result	Rank
MW-10	5/1/95	1500	34
	9/1/95	458	25
	12/1/95	508	27
	3/1/96	158	13
	9/1/96	1980	35
	3/1/98	961	32
	9/1/98	350	22
	3/1/99	735	31
	9/1/99	187	15
	3/1/00	ND<0	2.5
	9/1/00	172	14
	3/1/01	99	9

Rank Sum = 259.5
Rank Mean = 21.625

Background Rank Sum = 259.5
Background Rank Mean = 21.625

Compliance Wells

Well ID	Date	Result	Rank
MW-11	5/1/95	453	24
	9/1/95	683	30
	12/1/95	50	6
	3/1/96	130	11
	9/1/96	2460	38
	3/1/98	376	23
	9/1/98	522	28
	3/1/99	50	7
	9/1/99	202	16
	3/1/00	ND<0	2.5
	9/1/00	491	26
	3/1/01	107	10

Rank Sum = 221.5
Rank Mean = 18.4583

MW-12	5/1/95	21000	40
	9/1/95	2130	37
	12/1/95	2030	36
	3/1/96	550	29
	9/1/96	3480	39
	3/1/98	345	20
	9/1/98	1280	33
	3/1/99	345	21
	9/1/99	340	19

	3/1/00	ND<0	2.5
	9/1/00	326	18
	3/1/01	11	5

Rank Sum = 299.5
Rank Mean = 24.9583

MW-15	9/1/99	205	17
	3/1/00	ND<0	2.5
	9/1/00	135	12
	3/1/01	93	8

Rank Sum = 39.5
Rank Mean = 9.875

Calculation Results:

Kruskal-Wallis H Statistic = 5.52652
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 5.53171
95% Confidence comparison value is 7.81472 at 3 degrees of freedom
5.52652 < 7.81472 indicating no significant group difference at 5% significance level
5.53171 < 7.81472 indicating no significant group difference at 5% significance level when adjusted for ties

Kruskal-Wallis Non-Parametric Test

Parameter: Arsenic

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Kruskal Wallis Ranks

Background Wells

Well ID	Date	Result	Rank
MW-10	8/1/92	ND<0	32
	7/1/93	ND<0	32
	8/1/93	ND<0	32
	10/1/93	ND<0	32
	11/1/93	ND<0	32
	12/1/93	ND<0	32
	8/1/94	ND<0	32
	11/1/94	ND<0	32
	2/1/95	ND<0	32
	5/1/95	ND<0	32
	9/1/95	ND<0	32
	12/1/95	ND<0	32
	3/1/96	ND<0	32
	9/1/96	ND<0	32
	3/1/98	ND<0	32
	9/1/98	ND<0	32
	3/1/99	ND<0	32
	9/1/99	ND<0	32
	3/1/00	ND<0	32
	9/1/00	ND<0	32
	3/1/01	ND<0	32

Rank Sum = 672
Rank Mean = 32

Background Rank Sum = 672
Background Rank Mean = 32

Compliance Wells

Well ID	Date	Result	Rank
MW-11	7/1/93	ND<0	32
	8/1/93	ND<0	32
	10/1/93	ND<0	32
	11/1/93	ND<0	32
	12/1/93	ND<0	32
	8/1/94	ND<0	32
	11/1/94	ND<0	32
	2/1/95	ND<0	32
	5/1/95	ND<0	32
	9/1/95	ND<0	32
	12/1/95	ND<0	32
	3/1/96	ND<0	32
	9/1/96	ND<0	32
	3/1/98	ND<0	32
	9/1/98	ND<0	32

	3/1/99	ND<0	32
	9/1/99	ND<0	32
	3/1/00	ND<0	32
	9/1/00	ND<0	32
	3/1/01	ND<0	32

Rank Sum = 640
Rank Mean = 32

MW-12	7/1/93	56	65
	8/1/93	ND<0	32
	10/1/93	35	64
	11/1/93	ND<0	32
	12/1/93	ND<0	32
	8/1/94	ND<0	32
	11/1/94	ND<0	32
	2/1/95	ND<0	32
	5/1/95	ND<0	32
	9/1/95	ND<0	32
	12/1/95	ND<0	32
	3/1/96	ND<0	32
	9/1/96	ND<0	32
	3/1/98	ND<0	32
	9/1/98	ND<0	32
	3/1/99	ND<0	32
	9/1/99	ND<0	32
	3/1/00	ND<0	32
	9/1/00	ND<0	32
	3/1/01	ND<0	32

Rank Sum = 705
Rank Mean = 35.25

MW-15	9/1/99	ND<0	32
	3/1/00	ND<0	32
	9/1/00	ND<0	32
	3/1/01	ND<0	32

Rank Sum = 128
Rank Mean = 32

Calculation Results:

Kruskal-Wallis H Statistic = 0.409091
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 4.57031
95% Confidence comparison value is 7.81472 at 3 degrees of freedom
0.409091 < 7.81472 indicating no significant group difference at 5% significance level
4.57031 < 7.81472 indicating no significant group difference at 5% significance level when adjusted for ties

Kruskal-Wallis Non-Parametric Test

Parameter: Barium

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Kruskal Wallis Ranks

Background Wells

Well ID	Date	Result	Rank
MW-10	8/1/92	160	57
	10/1/93	56	48
	11/1/93	41	32
	12/1/93	28	11
	8/1/94	42	34
	11/1/94	24	5
	2/1/95	42	35
	5/1/95	26	9
	9/1/95	16	1
	12/1/95	40	30
	3/1/96	49	44
	9/1/96	51	46
	3/1/98	45	41
	9/1/98	43	37
	3/1/99	24	6
	9/1/99	43	38
	3/1/00	44	40
	9/1/00	72	52
	3/1/01	16	2

Rank Sum = 568
Rank Mean = 29.8947

Background Rank Sum = 568
Background Rank Mean = 29.8947

Compliance Wells

Well ID	Date	Result	Rank
MW-11	10/1/93	50	45
	11/1/93	32	19
	12/1/93	31	17
	8/1/94	32	20
	11/1/94	32	21
	2/1/95	30	14
	5/1/95	21	3
	9/1/95	320	58
	12/1/95	33	23
	3/1/96	33	24
	9/1/96	31	18
	3/1/98	78	54
	9/1/98	30	15
	3/1/99	28	12
	9/1/99	30	16
	3/1/00	35	28
	9/1/00	41	33

	3/1/01	33	25

Rank Sum = 445
Rank Mean = 24.7222

MW-12	10/1/93	490	59
	11/1/93	33	26
	12/1/93	24	7
	8/1/94	28	13
	11/1/94	23	4
	2/1/95	40	31
	5/1/95	91	56
	9/1/95	26	10
	12/1/95	33	27
	3/1/96	80	55
	9/1/96	46	43
	3/1/98	55	47
	9/1/98	35	29
	3/1/99	60	49
	9/1/99	43	39
	3/1/00	61	50
	9/1/00	45	42
	3/1/01	42	36

Rank Sum = 623
Rank Mean = 34.6111

MW-15	9/1/99	24	8
	3/1/00	32	22
	9/1/00	77	53
	3/1/01	70	51

Rank Sum = 134
Rank Mean = 33.5

Calculation Results:

Kruskal-Wallis H Statistic = 3.1638
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 3.1638
95% Confidence comparison value is 7.81472 at 3 degrees of freedom
3.1638 < 7.81472 indicating no significant group difference at 5% significance level
3.1638 < 7.81472 indicating no significant group difference at 5% significance level when adjusted for ties

Kruskal-Wallis Non-Parametric Test

Parameter: Cadmium

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Kruskal Wallis Ranks

Background Wells

Well ID	Date	Result	Rank
MW-10	8/1/92	2	58
	7/1/93	2	59
	8/1/93	ND<0	29
	10/1/93	ND<0	29
	11/1/93	ND<0	29
	12/1/93	ND<0	29
	8/1/94	ND<0	29
	11/1/94	ND<0	29
	2/1/95	ND<0	29
	5/1/95	ND<0	29
	9/1/95	ND<0	29
	12/1/95	ND<0	29
	3/1/96	ND<0	29
	9/1/96	2	60
	3/1/98	ND<0	29
	9/1/98	ND<0	29
	3/1/99	ND<0	29
	9/1/99	ND<0	29
	3/1/00	ND<0	29
	9/1/00	ND<0	29
	3/1/01	ND<0	29

Rank Sum = 699
Rank Mean = 33.2857

Background Rank Sum = 699
Background Rank Mean = 33.2857

Compliance Wells

Well ID	Date	Result	Rank
MW-11	7/1/93	9	61
	8/1/93	ND<0	29
	10/1/93	ND<0	29
	11/1/93	ND<0	29
	12/1/93	ND<0	29
	8/1/94	ND<0	29
	11/1/94	ND<0	29
	2/1/95	ND<0	29
	5/1/95	ND<0	29
	9/1/95	ND<0	29
	12/1/95	ND<0	29
	3/1/96	ND<0	29
	9/1/96	27	63
	3/1/98	ND<0	29
	9/1/98	ND<0	29

	3/1/99	ND<0	29
	9/1/99	ND<0	29
	3/1/00	ND<0	29
	9/1/00	ND<0	29
	3/1/01	ND<0	29

Rank Sum = 646
Rank Mean = 32.3

MW-12	7/1/93	31	64
	8/1/93	ND<0	29
	10/1/93	55	65
	11/1/93	ND<0	29
	12/1/93	ND<0	29
	8/1/94	ND<0	29
	11/1/94	ND<0	29
	2/1/95	ND<0	29
	5/1/95	ND<0	29
	9/1/95	ND<0	29
	12/1/95	ND<0	29
	3/1/96	ND<0	29
	9/1/96	22	62
	3/1/98	ND<0	29
	9/1/98	ND<0	29
	3/1/99	ND<0	29
	9/1/99	ND<0	29
	3/1/00	ND<0	29
	9/1/00	ND<0	29
	3/1/01	ND<0	29

Rank Sum = 684
Rank Mean = 34.2

MW-15	9/1/99	ND<0	29
	3/1/00	ND<0	29
	9/1/00	ND<0	29
	3/1/01	ND<0	29

Rank Sum = 116
Rank Mean = 29

Calculation Results:

Kruskal-Wallis H Statistic = 0.291788
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 0.895882
95% Confidence comparison value is 7.81472 at 3 degrees of freedom
0.291788 < 7.81472 indicating no significant group difference at 5% significance level
0.895882 < 7.81472 indicating no significant group difference at 5% significance level when adjusted for ties

Kruskal-Wallis Non-Parametric Test

Parameter: Chromium

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Kruskal Wallis Ranks

Background Wells

Well ID	Date	Result	Rank
MW-10	8/1/92	130	63
	7/1/93	46	62
	8/1/93	10	52
	10/1/93	23	61
	11/1/93	ND<0	21.5
	12/1/93	17	60
	8/1/94	ND<0	21.5
	11/1/94	ND<0	21.5
	2/1/95	ND<0	21.5
	5/1/95	ND<0	21.5
	9/1/95	ND<0	21.5
	12/1/95	ND<0	21.5
	3/1/96	ND<0	21.5
	9/1/96	7	44
	3/1/98	ND<0	21.5
	9/1/98	ND<0	21.5
	3/1/99	ND<0	21.5
	9/1/99	ND<0	21.5
	3/1/00	ND<0	21.5
	9/1/00	ND<0	21.5
	3/1/01	ND<0	21.5

Rank Sum = 664.5
Rank Mean = 31.6429

Background Rank Sum = 664.5
Background Rank Mean = 31.6429

Compliance Wells

Well ID	Date	Result	Rank
MW-11	7/1/93	16	59
	8/1/93	8	46
	10/1/93	8	47
	11/1/93	ND<0	21.5
	12/1/93	ND<0	21.5
	8/1/94	ND<0	21.5
	11/1/94	ND<0	21.5
	2/1/95	ND<0	21.5
	5/1/95	ND<0	21.5
	9/1/95	ND<0	21.5
	12/1/95	ND<0	21.5
	3/1/96	ND<0	21.5
	9/1/96	9	50
	3/1/98	ND<0	21.5
	9/1/98	ND<0	21.5

	3/1/99	ND<0	21.5
	9/1/99	ND<0	21.5
	3/1/00	ND<0	21.5
	9/1/00	ND<0	21.5
	3/1/01	ND<0	21.5

Rank Sum = 546
Rank Mean = 27.3

MW-12	7/1/93	720	65
	8/1/93	7	45
	10/1/93	340	64
	11/1/93	12	57
	12/1/93	11	56
	8/1/94	8	48
	11/1/94	8	49
	2/1/95	ND<0	21.5
	5/1/95	ND<0	21.5
	9/1/95	10	53
	12/1/95	10	54
	3/1/96	ND<0	21.5
	9/1/96	12	58
	3/1/98	10	55
	9/1/98	ND<0	21.5
	3/1/99	ND<0	21.5
	9/1/99	6	43
	3/1/00	9	51
	9/1/00	ND<0	21.5
	3/1/01	ND<0	21.5

Rank Sum = 848.5
Rank Mean = 42.425

MW-15	9/1/99	ND<0	21.5
	3/1/00	ND<0	21.5
	9/1/00	ND<0	21.5
	3/1/01	ND<0	21.5

Rank Sum = 86
Rank Mean = 21.5

Calculation Results:

Kruskal-Wallis H Statistic = 8.37508
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 11.4678
95% Confidence comparison value is 7.81472 at 3 degrees of freedom
8.37508 > 7.81472 indicating a significant group difference at 5% significance level
11.4678 > 7.81472 indicating a significant group difference at 5% significance level when adjusted for ties

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Individual Well Comparisons at 1.66667% Significance Level per Comparison

1.66667% Z score is 2.14441
Mean background rank is 31.6429

Well	Mean Rank	Dif from Bkg	Critical Value
MW-11	27.3	-4.34286	12.6681
MW-12	42.425	10.7821	12.6681
MW-15	21.5	-10.1429	22.1195

Individual Well Comparisons at Groupwise 5% Significance Level

(1.66667% Significance Level per comparison)

1.66667% Z score is 2.14441

Mean background rank is 31.6429

Well	Mean Rank	Dif from Bkg	Critical Value
MW-11	27.3	-4.34286	12.6681
MW-12	42.425	10.7821	12.6681
MW-15	21.5	-10.1429	22.1195

Kruskal-Wallis Non-Parametric Test

Parameter: Lead

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Kruskal Wallis Ranks

Background Wells

Well ID	Date	Result	Rank
MW-10	8/1/92	ND<0	21
	7/1/93	ND<0	21
	8/1/93	ND<0	21
	10/1/93	10	56
	11/1/93	ND<0	21
	12/1/93	ND<0	21
	8/1/94	ND<0	21
	11/1/94	ND<0	21
	2/1/95	ND<0	21
	5/1/95	4	42
	9/1/95	13	60
	12/1/95	9	53
	3/1/96	9	54
	9/1/96	ND<0	21
	3/1/98	ND<0	21
	9/1/98	ND<0	21
	3/1/99	5	48
	9/1/99	ND<0	21
	3/1/00	ND<0	21
	9/1/00	6	49
	3/1/01	ND<0	21

Rank Sum = 656
Rank Mean = 31.2381

Background Rank Sum = 656
Background Rank Mean = 31.2381

Compliance Wells

Well ID	Date	Result	Rank
MW-11	7/1/93	10	57
	8/1/93	ND<0	21
	10/1/93	4	43
	11/1/93	ND<0	21
	12/1/93	ND<0	21
	8/1/94	ND<0	21
	11/1/94	ND<0	21
	2/1/95	ND<0	21
	5/1/95	4	44
	9/1/95	14	61
	12/1/95	10	58
	3/1/96	23	63
	9/1/96	6	50
	3/1/98	ND<0	21
	9/1/98	ND<0	21

	3/1/99	16	62
	9/1/99	ND<0	21
	3/1/00	ND<0	21
	9/1/00	ND<0	21
	3/1/01	ND<0	21

Rank Sum = 690
Rank Mean = 34.5

MW-12	7/1/93	130	64
	8/1/93	ND<0	21
	10/1/93	330	65
	11/1/93	9	55
	12/1/93	ND<0	21
	8/1/94	ND<0	21
	11/1/94	ND<0	21
	2/1/95	ND<0	21
	5/1/95	4	45
	9/1/95	6	51
	12/1/95	4	46
	3/1/96	ND<0	21
	9/1/96	6	52
	3/1/98	ND<0	21
	9/1/98	ND<0	21
	3/1/99	ND<0	21
	9/1/99	10	59
	3/1/00	4	47
	9/1/00	ND<0	21
	3/1/01	ND<0	21

Rank Sum = 715
Rank Mean = 35.75

MW-15	9/1/99	ND<0	21
	3/1/00	ND<0	21
	9/1/00	ND<0	21
	3/1/01	ND<0	21

Rank Sum = 84
Rank Mean = 21

Calculation Results:

Kruskal-Wallis H Statistic = 2.34249
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 3.12697
95% Confidence comparison value is 7.81472 at 3 degrees of freedom
2.34249 < 7.81472 indicating no significant group difference at 5% significance level
3.12697 < 7.81472 indicating no significant group difference at 5% significance level when adjusted for ties

Kruskal-Wallis Non-Parametric Test

Parameter: Silver

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Kruskal Wallis Ranks

Background Wells

Well ID	Date	Result	Rank
MW-10	8/1/92	ND<0	33
	7/1/93	ND<0	33
	8/1/93	ND<0	33
	10/1/93	ND<0	33
	11/1/93	ND<0	33
	12/1/93	ND<0	33
	8/1/94	ND<0	33
	11/1/94	ND<0	33
	2/1/95	ND<0	33
	5/1/95	ND<0	33
	9/1/95	ND<0	33
	12/1/95	ND<0	33
	3/1/96	ND<0	33
	9/1/96	ND<0	33
	3/1/98	ND<0	33
	9/1/98	ND<0	33
	3/1/99	ND<0	33
	9/1/99	ND<0	33
	3/1/00	ND<0	33
	9/1/00	ND<0	33
	3/1/01	ND<0	33

Rank Sum = 693
Rank Mean = 33

Background Rank Sum = 693
Background Rank Mean = 33

Compliance Wells

Well ID	Date	Result	Rank
MW-11	7/1/93	ND<0	33
	8/1/93	ND<0	33
	10/1/93	ND<0	33
	11/1/93	ND<0	33
	12/1/93	ND<0	33
	8/1/94	ND<0	33
	11/1/94	ND<0	33
	2/1/95	ND<0	33
	5/1/95	ND<0	33
	9/1/95	ND<0	33
	12/1/95	ND<0	33
	3/1/96	ND<0	33
	9/1/96	ND<0	33
	3/1/98	ND<0	33
	9/1/98	ND<0	33

	3/1/99	ND<0	33
	9/1/99	ND<0	33
	3/1/00	ND<0	33
	9/1/00	ND<0	33
	3/1/01	ND<0	33

Rank Sum = 660
Rank Mean = 33

MW-12	7/1/93	ND<0	33
	8/1/93	ND<0	33
	10/1/93	ND<0	33
	11/1/93	ND<0	33
	12/1/93	ND<0	33
	8/1/94	ND<0	33
	11/1/94	ND<0	33
	2/1/95	ND<0	33
	5/1/95	ND<0	33
	9/1/95	ND<0	33
	12/1/95	ND<0	33
	3/1/96	ND<0	33
	9/1/96	ND<0	33
	3/1/98	ND<0	33
	9/1/98	ND<0	33
	3/1/99	ND<0	33
	9/1/99	ND<0	33
	3/1/00	ND<0	33
	9/1/00	ND<0	33
	3/1/01	ND<0	33

Rank Sum = 660
Rank Mean = 33

MW-15	9/1/99	ND<0	33
	3/1/00	ND<0	33
	9/1/00	ND<0	33
	3/1/01	ND<0	33

Rank Sum = 132
Rank Mean = 33

Calculation Results:

Kruskal-Wallis H Statistic = 0
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 0
95% Confidence comparison value is 7.81472 at 3 degrees of freedom
0 < 7.81472 indicating no significant group difference at 5% significance level
0 < 7.81472 indicating no significant group difference at 5% significance level when adjusted for ties

Kruskal-Wallis Non-Parametric Test

Parameter: Zinc

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Kruskal Wallis Ranks

Background Wells

Well ID	Date	Result	Rank
MW-10	8/1/92	40	41
	10/1/93	88	51
	11/1/93	39	39
	12/1/93	61	47
	8/1/94	ND<0	12.5
	11/1/94	ND<0	12.5
	2/1/95	ND<0	12.5
	5/1/95	29	31
	9/1/95	ND<0	12.5
	12/1/95	ND<0	12.5
	3/1/96	31	34
	9/1/96	37	37
	3/1/98	39	40
	9/1/98	ND<0	12.5
	3/1/99	97	53
	9/1/99	97	54
	3/1/00	ND<0	12.5
	9/1/00	50	43
	3/1/01	ND<0	12.5

Rank Sum = 570
Rank Mean = 30

Background Rank Sum = 570
Background Rank Mean = 30

Compliance Wells

Well ID	Date	Result	Rank
MW-11	10/1/93	61	48
	11/1/93	28	30
	12/1/93	60	46
	8/1/94	23	25
	11/1/94	ND<0	12.5
	2/1/95	ND<0	12.5
	5/1/95	29	32
	9/1/95	ND<0	12.5
	12/1/95	ND<0	12.5
	3/1/96	26	26
	9/1/96	62	49
	3/1/98	96	52
	9/1/98	38	38
	3/1/99	44	42
	9/1/99	ND<0	12.5
	3/1/00	ND<0	12.5
	9/1/00	55	44

	3/1/01	26	27

Rank Sum = 534
Rank Mean = 29.6667

MW-12	10/1/93	2170	59
	11/1/93	56	45
	12/1/93	34	36
	8/1/94	26	28
	11/1/94	ND<0	12.5
	2/1/95	ND<0	12.5
	5/1/95	221	58
	9/1/95	ND<0	12.5
	12/1/95	ND<0	12.5
	3/1/96	ND<0	12.5
	9/1/96	64	50
	3/1/98	97	55
	9/1/98	ND<0	12.5
	3/1/99	ND<0	12.5
	9/1/99	107	57
	3/1/00	100	56
	9/1/00	ND<0	12.5
	3/1/01	29	33

Rank Sum = 577
Rank Mean = 32.0556

MW-15	9/1/99	ND<0	12.5
	3/1/00	ND<0	12.5
	9/1/00	33	35
	3/1/01	27	29

Rank Sum = 89
Rank Mean = 22.25

Calculation Results:

Kruskal-Wallis H Statistic = 1.079
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 1.15675
95% Confidence comparison value is 7.81472 at 3 degrees of freedom
1.079 < 7.81472 indicating no significant group difference at 5% significance level
1.15675 < 7.81472 indicating no significant group difference at 5% significance level when adjusted for ties

Kruskal-Wallis Non-Parametric Test

Parameter: 1-1-1-Trichloroethane

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Kruskal Wallis Ranks

Background Wells

Well ID	Date	Result	Rank
MW-10	8/1/93	ND<0	31
	10/1/93	ND<0	31
	11/1/93	ND<0	31
	12/1/93	ND<0	31
	8/1/94	ND<0	31
	11/1/94	ND<0	31
	2/1/95	ND<0	31
	5/1/95	ND<0	31
	9/1/95	ND<0	31
	12/1/95	ND<0	31
	3/1/96	ND<0	31
	9/1/96	ND<0	31
	3/1/98	ND<0	31
	9/1/98	ND<0	31
	3/1/99	ND<0	31
	9/1/99	ND<0	31
	3/1/00	ND<0	31
	9/1/00	ND<0	31
	3/1/01	ND<0	31

Rank Sum = 589
Rank Mean = 31

Background Rank Sum = 589
Background Rank Mean = 31

Compliance Wells

Well ID	Date	Result	Rank
MW-11	8/1/93	ND<0	31
	10/1/93	ND<0	31
	11/1/93	ND<0	31
	12/1/93	ND<0	31
	8/1/94	ND<0	31
	11/1/94	ND<0	31
	2/1/95	ND<0	31
	5/1/95	ND<0	31
	9/1/95	ND<0	31
	12/1/95	ND<0	31
	3/1/96	ND<0	31
	9/1/96	ND<0	31
	3/1/98	ND<0	31
	9/1/98	ND<0	31
	3/1/99	ND<0	31
	9/1/99	ND<0	31
	3/1/00	ND<0	31

	9/1/00	ND<0	31
	3/1/01	ND<0	31

Rank Sum = 589
Rank Mean = 31

MW-12	8/1/93	ND<0	31
	10/1/93	ND<0	31
	11/1/93	ND<0	31
	12/1/93	ND<0	31
	8/1/94	ND<0	31
	11/1/94	ND<0	31
	2/1/95	ND<0	31
	5/1/95	ND<0	31
	9/1/95	ND<0	31
	12/1/95	ND<0	31
	3/1/96	ND<0	31
	9/1/96	ND<0	31
	3/1/98	ND<0	31
	9/1/98	ND<0	31
	3/1/99	ND<0	31
	9/1/99	ND<0	31
	3/1/00	ND<0	31
	9/1/00	ND<0	31
	3/1/01	ND<0	31

Rank Sum = 589
Rank Mean = 31

MW-15	9/1/99	ND<0	31
	3/1/00	ND<0	31
	9/1/00	ND<0	31
	3/1/01	ND<0	31

Rank Sum = 124
Rank Mean = 31

Calculation Results:

Kruskal-Wallis H Statistic = 0
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 0
95% Confidence comparison value is 7.81472 at 3 degrees of freedom
0 < 7.81472 indicating no significant group difference at 5% significance level
0 < 7.81472 indicating no significant group difference at 5% significance level when adjusted for ties

Kruskal-Wallis Non-Parametric Test

Parameter: 1-1-2-Trichloroethane

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Kruskal Wallis Ranks

Background Wells

Well ID	Date	Result	Rank
MW-10	8/1/93	ND<0	31
	10/1/93	ND<0	31
	11/1/93	ND<0	31
	12/1/93	ND<0	31
	8/1/94	ND<0	31
	11/1/94	ND<0	31
	2/1/95	ND<0	31
	5/1/95	ND<0	31
	9/1/95	ND<0	31
	12/1/95	ND<0	31
	3/1/96	ND<0	31
	9/1/96	ND<0	31
	3/1/98	ND<0	31
	9/1/98	ND<0	31
	3/1/99	ND<0	31
	9/1/99	ND<0	31
	3/1/00	ND<0	31
	9/1/00	ND<0	31
	3/1/01	ND<0	31

Rank Sum = 589
Rank Mean = 31

Background Rank Sum = 589
Background Rank Mean = 31

Compliance Wells

Well ID	Date	Result	Rank
MW-11	8/1/93	ND<0	31
	10/1/93	ND<0	31
	11/1/93	ND<0	31
	12/1/93	ND<0	31
	8/1/94	ND<0	31
	11/1/94	ND<0	31
	2/1/95	ND<0	31
	5/1/95	ND<0	31
	9/1/95	ND<0	31
	12/1/95	ND<0	31
	3/1/96	ND<0	31
	9/1/96	ND<0	31
	3/1/98	ND<0	31
	9/1/98	ND<0	31
	3/1/99	ND<0	31
	9/1/99	ND<0	31
	3/1/00	ND<0	31

	9/1/00	ND<0	31
	3/1/01	ND<0	31

Rank Sum = 589
Rank Mean = 31

MW-12	8/1/93	ND<0	31
	10/1/93	ND<0	31
	11/1/93	ND<0	31
	12/1/93	ND<0	31
	8/1/94	ND<0	31
	11/1/94	ND<0	31
	2/1/95	ND<0	31
	5/1/95	ND<0	31
	9/1/95	ND<0	31
	12/1/95	ND<0	31
	3/1/96	ND<0	31
	9/1/96	ND<0	31
	3/1/98	ND<0	31
	9/1/98	ND<0	31
	3/1/99	ND<0	31
	9/1/99	ND<0	31
	3/1/00	ND<0	31
	9/1/00	ND<0	31
	3/1/01	ND<0	31

Rank Sum = 589
Rank Mean = 31

MW-15	9/1/99	ND<0	31
	3/1/00	ND<0	31
	9/1/00	ND<0	31
	3/1/01	ND<0	31

Rank Sum = 124
Rank Mean = 31

Calculation Results:

Kruskal-Wallis H Statistic = 0
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 0
95% Confidence comparison value is 7.81472 at 3 degrees of freedom
0 < 7.81472 indicating no significant group difference at 5% significance level
0 < 7.81472 indicating no significant group difference at 5% significance level when adjusted for ties

Kruskal-Wallis Non-Parametric Test

Parameter: 1-1-Dichloroethane

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Kruskal Wallis Ranks

Background Wells

Well ID	Date	Result	Rank
MW-10	8/1/93	ND<0	30.5
	10/1/93	ND<0	30.5
	11/1/93	ND<0	30.5
	12/1/93	ND<0	30.5
	8/1/94	ND<0	30.5
	11/1/94	ND<0	30.5
	2/1/95	ND<0	30.5
	5/1/95	ND<0	30.5
	9/1/95	ND<0	30.5
	12/1/95	ND<0	30.5
	3/1/96	ND<0	30.5
	9/1/96	ND<0	30.5
	3/1/98	ND<0	30.5
	9/1/98	ND<0	30.5
	3/1/99	ND<0	30.5
	9/1/99	ND<0	30.5
	3/1/00	ND<0	30.5
	9/1/00	ND<0	30.5
	3/1/01	ND<0	30.5

Rank Sum = 579.5
Rank Mean = 30.5

Background Rank Sum = 579.5
Background Rank Mean = 30.5

Compliance Wells

Well ID	Date	Result	Rank
MW-11	8/1/93	ND<0	30.5
	10/1/93	ND<0	30.5
	11/1/93	0.005	61
	12/1/93	ND<0	30.5
	8/1/94	ND<0	30.5
	11/1/94	ND<0	30.5
	2/1/95	ND<0	30.5
	5/1/95	ND<0	30.5
	9/1/95	ND<0	30.5
	12/1/95	ND<0	30.5
	3/1/96	ND<0	30.5
	9/1/96	ND<0	30.5
	3/1/98	ND<0	30.5
	9/1/98	ND<0	30.5
	3/1/99	ND<0	30.5
	9/1/99	ND<0	30.5
	3/1/00	ND<0	30.5

	9/1/00	ND<0	30.5
	3/1/01	ND<0	30.5

Rank Sum = 610
Rank Mean = 32.1053

MW-12	8/1/93	ND<0	30.5
	10/1/93	ND<0	30.5
	11/1/93	ND<0	30.5
	12/1/93	ND<0	30.5
	8/1/94	ND<0	30.5
	11/1/94	ND<0	30.5
	2/1/95	ND<0	30.5
	5/1/95	ND<0	30.5
	9/1/95	ND<0	30.5
	12/1/95	ND<0	30.5
	3/1/96	ND<0	30.5
	9/1/96	ND<0	30.5
	3/1/98	ND<0	30.5
	9/1/98	ND<0	30.5
	3/1/99	ND<0	30.5
	9/1/99	ND<0	30.5
	3/1/00	ND<0	30.5
	9/1/00	ND<0	30.5
	3/1/01	ND<0	30.5

Rank Sum = 579.5
Rank Mean = 30.5

MW-15	9/1/99	ND<0	30.5
	3/1/00	ND<0	30.5
	9/1/00	ND<0	30.5
	3/1/01	ND<0	30.5

Rank Sum = 122
Rank Mean = 30.5

Calculation Results:

Kruskal-Wallis H Statistic = 0.106961
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 2.21053
95% Confidence comparison value is 7.81472 at 3 degrees of freedom
0.106961 < 7.81472 indicating no significant group difference at 5% significance level
2.21053 < 7.81472 indicating no significant group difference at 5% significance level when adjusted for ties

Kruskal-Wallis Non-Parametric Test

Parameter: 1-2-4 Trimethylbenzene

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Kruskal Wallis Ranks

Background Wells

Well ID	Date	Result	Rank
MW-10	8/1/93	ND<0	31
	10/1/93	ND<0	31
	11/1/93	ND<0	31
	12/1/93	ND<0	31
	8/1/94	ND<0	31
	11/1/94	ND<0	31
	2/1/95	ND<0	31
	5/1/95	ND<0	31
	9/1/95	ND<0	31
	12/1/95	ND<0	31
	3/1/96	ND<0	31
	9/1/96	ND<0	31
	3/1/98	ND<0	31
	9/1/98	ND<0	31
	3/1/99	ND<0	31
	9/1/99	ND<0	31
	3/1/00	ND<0	31
	9/1/00	ND<0	31
	3/1/01	ND<0	31

Rank Sum = 589
Rank Mean = 31

Background Rank Sum = 589
Background Rank Mean = 31

Compliance Wells

Well ID	Date	Result	Rank
MW-11	8/1/93	ND<0	31
	10/1/93	ND<0	31
	11/1/93	ND<0	31
	12/1/93	ND<0	31
	8/1/94	ND<0	31
	11/1/94	ND<0	31
	2/1/95	ND<0	31
	5/1/95	ND<0	31
	9/1/95	ND<0	31
	12/1/95	ND<0	31
	3/1/96	ND<0	31
	9/1/96	ND<0	31
	3/1/98	ND<0	31
	9/1/98	ND<0	31
	3/1/99	ND<0	31
	9/1/99	ND<0	31
	3/1/00	ND<0	31

	9/1/00	ND<0	31
	3/1/01	ND<0	31

Rank Sum = 589
Rank Mean = 31

MW-12	8/1/93	ND<0	31
	10/1/93	ND<0	31
	11/1/93	ND<0	31
	12/1/93	ND<0	31
	8/1/94	ND<0	31
	11/1/94	ND<0	31
	2/1/95	ND<0	31
	5/1/95	ND<0	31
	9/1/95	ND<0	31
	12/1/95	ND<0	31
	3/1/96	ND<0	31
	9/1/96	ND<0	31
	3/1/98	ND<0	31
	9/1/98	ND<0	31
	3/1/99	ND<0	31
	9/1/99	ND<0	31
	3/1/00	ND<0	31
	9/1/00	ND<0	31
	3/1/01	ND<0	31

Rank Sum = 589
Rank Mean = 31

MW-15	9/1/99	ND<0	31
	3/1/00	ND<0	31
	9/1/00	ND<0	31
	3/1/01	ND<0	31

Rank Sum = 124
Rank Mean = 31

Calculation Results:

Kruskal-Wallis H Statistic = 0
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 0
95% Confidence comparison value is 7.81472 at 3 degrees of freedom
0 < 7.81472 indicating no significant group difference at 5% significance level
0 < 7.81472 indicating no significant group difference at 5% significance level when adjusted for ties

Kruskal-Wallis Non-Parametric Test

Parameter: 1-2-Dichloroethane

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Kruskal Wallis Ranks

Background Wells

Well ID	Date	Result	Rank
MW-10	8/1/93	ND<0	31
	10/1/93	ND<0	31
	11/1/93	ND<0	31
	12/1/93	ND<0	31
	8/1/94	ND<0	31
	11/1/94	ND<0	31
	2/1/95	ND<0	31
	5/1/95	ND<0	31
	9/1/95	ND<0	31
	12/1/95	ND<0	31
	3/1/96	ND<0	31
	9/1/96	ND<0	31
	3/1/98	ND<0	31
	9/1/98	ND<0	31
	3/1/99	ND<0	31
	9/1/99	ND<0	31
	3/1/00	ND<0	31
	9/1/00	ND<0	31
	3/1/01	ND<0	31

Rank Sum = 589
Rank Mean = 31

Background Rank Sum = 589
Background Rank Mean = 31

Compliance Wells

Well ID	Date	Result	Rank
MW-11	8/1/93	ND<0	31
	10/1/93	ND<0	31
	11/1/93	ND<0	31
	12/1/93	ND<0	31
	8/1/94	ND<0	31
	11/1/94	ND<0	31
	2/1/95	ND<0	31
	5/1/95	ND<0	31
	9/1/95	ND<0	31
	12/1/95	ND<0	31
	3/1/96	ND<0	31
	9/1/96	ND<0	31
	3/1/98	ND<0	31
	9/1/98	ND<0	31
	3/1/99	ND<0	31
	9/1/99	ND<0	31
	3/1/00	ND<0	31

	9/1/00	ND<0	31
	3/1/01	ND<0	31

Rank Sum = 589
Rank Mean = 31

MW-12	8/1/93	ND<0	31
	10/1/93	ND<0	31
	11/1/93	ND<0	31
	12/1/93	ND<0	31
	8/1/94	ND<0	31
	11/1/94	ND<0	31
	2/1/95	ND<0	31
	5/1/95	ND<0	31
	9/1/95	ND<0	31
	12/1/95	ND<0	31
	3/1/96	ND<0	31
	9/1/96	ND<0	31
	3/1/98	ND<0	31
	9/1/98	ND<0	31
	3/1/99	ND<0	31
	9/1/99	ND<0	31
	3/1/00	ND<0	31
	9/1/00	ND<0	31
	3/1/01	ND<0	31

Rank Sum = 589
Rank Mean = 31

MW-15	9/1/99	ND<0	31
	3/1/00	ND<0	31
	9/1/00	ND<0	31
	3/1/01	ND<0	31

Rank Sum = 124
Rank Mean = 31

Calculation Results:

Kruskal-Wallis H Statistic = 0
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 0
95% Confidence comparison value is 7.81472 at 3 degrees of freedom
0 < 7.81472 indicating no significant group difference at 5% significance level
0 < 7.81472 indicating no significant group difference at 5% significance level when adjusted for ties

Kruskal-Wallis Non-Parametric Test

Parameter: Acetone

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Kruskal Wallis Ranks

Background Wells

Well ID	Date	Result	Rank
MW-10	8/1/92	0.62	65
	7/1/93	ND<0	31.5
	8/1/93	ND<0	31.5
	10/1/93	0.03	64
	11/1/93	ND<0	31.5
	12/1/93	ND<0	31.5
	8/1/94	ND<0	31.5
	11/1/94	ND<0	31.5
	2/1/95	ND<0	31.5
	5/1/95	ND<0	31.5
	9/1/95	ND<0	31.5
	12/1/95	ND<0	31.5
	3/1/96	ND<0	31.5
	9/1/96	ND<0	31.5
	3/1/98	ND<0	31.5
	9/1/98	ND<0	31.5
	3/1/99	ND<0	31.5
	9/1/99	ND<0	31.5
	3/1/00	ND<0	31.5
	9/1/00	ND<0	31.5
	3/1/01	ND<0	31.5

Rank Sum = 727.5
Rank Mean = 34.6429

Background Rank Sum = 727.5
Background Rank Mean = 34.6429

Compliance Wells

Well ID	Date	Result	Rank
MW-11	7/1/93	ND<0	31.5
	8/1/93	ND<0	31.5
	10/1/93	0.012	63
	11/1/93	ND<0	31.5
	12/1/93	ND<0	31.5
	8/1/94	ND<0	31.5
	11/1/94	ND<0	31.5
	2/1/95	ND<0	31.5
	5/1/95	ND<0	31.5
	9/1/95	ND<0	31.5
	12/1/95	ND<0	31.5
	3/1/96	ND<0	31.5
	9/1/96	ND<0	31.5
	3/1/98	ND<0	31.5
	9/1/98	ND<0	31.5

	3/1/99	ND<0	31.5
	9/1/99	ND<0	31.5
	3/1/00	ND<0	31.5
	9/1/00	ND<0	31.5
	3/1/01	ND<0	31.5

Rank Sum = 661.5
Rank Mean = 33.075

MW-12	7/1/93	ND<0	31.5
	8/1/93	ND<0	31.5
	10/1/93	ND<0	31.5
	11/1/93	ND<0	31.5
	12/1/93	ND<0	31.5
	8/1/94	ND<0	31.5
	11/1/94	ND<0	31.5
	2/1/95	ND<0	31.5
	5/1/95	ND<0	31.5
	9/1/95	ND<0	31.5
	12/1/95	ND<0	31.5
	3/1/96	ND<0	31.5
	9/1/96	ND<0	31.5
	3/1/98	ND<0	31.5
	9/1/98	ND<0	31.5
	3/1/99	ND<0	31.5
	9/1/99	ND<0	31.5
	3/1/00	ND<0	31.5
	9/1/00	ND<0	31.5
	3/1/01	ND<0	31.5

Rank Sum = 630
Rank Mean = 31.5

MW-15	9/1/99	ND<0	31.5
	3/1/00	ND<0	31.5
	9/1/00	ND<0	31.5
	3/1/01	ND<0	31.5

Rank Sum = 126
Rank Mean = 31.5

Calculation Results:

Kruskal-Wallis H Statistic = 0.309905
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 2.3444
95% Confidence comparison value is 7.81472 at 3 degrees of freedom
0.309905 < 7.81472 indicating no significant group difference at 5% significance level
2.3444 < 7.81472 indicating no significant group difference at 5% significance level when adjusted for ties

Kruskal-Wallis Non-Parametric Test

Parameter: Benzene

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Kruskal Wallis Ranks

Background Wells

Well ID	Date	Result	Rank
MW-10	8/1/92	ND<0	32.5
	7/1/93	ND<0	32.5
	8/1/93	ND<0	32.5
	10/1/93	ND<0	32.5
	11/1/93	ND<0	32.5
	12/1/93	ND<0	32.5
	8/1/94	ND<0	32.5
	11/1/94	0.009	65
	2/1/95	ND<0	32.5
	5/1/95	ND<0	32.5
	9/1/95	ND<0	32.5
	12/1/95	ND<0	32.5
	3/1/96	ND<0	32.5
	9/1/96	ND<0	32.5
	3/1/98	ND<0	32.5
	9/1/98	ND<0	32.5
	3/1/99	ND<0	32.5
	9/1/99	ND<0	32.5
	3/1/00	ND<0	32.5
	9/1/00	ND<0	32.5
	3/1/01	ND<0	32.5

Rank Sum = 715
Rank Mean = 34.0476

Background Rank Sum = 715
Background Rank Mean = 34.0476

Compliance Wells

Well ID	Date	Result	Rank
MW-11	7/1/93	ND<0	32.5
	8/1/93	ND<0	32.5
	10/1/93	ND<0	32.5
	11/1/93	ND<0	32.5
	12/1/93	ND<0	32.5
	8/1/94	ND<0	32.5
	11/1/94	ND<0	32.5
	2/1/95	ND<0	32.5
	5/1/95	ND<0	32.5
	9/1/95	ND<0	32.5
	12/1/95	ND<0	32.5
	3/1/96	ND<0	32.5
	9/1/96	ND<0	32.5
	3/1/98	ND<0	32.5
	9/1/98	ND<0	32.5

	3/1/99	ND<0	32.5
	9/1/99	ND<0	32.5
	3/1/00	ND<0	32.5
	9/1/00	ND<0	32.5
	3/1/01	ND<0	32.5

Rank Sum = 650
Rank Mean = 32.5

MW-12	7/1/93	ND<0	32.5
	8/1/93	ND<0	32.5
	10/1/93	ND<0	32.5
	11/1/93	ND<0	32.5
	12/1/93	ND<0	32.5
	8/1/94	ND<0	32.5
	11/1/94	ND<0	32.5
	2/1/95	ND<0	32.5
	5/1/95	ND<0	32.5
	9/1/95	ND<0	32.5
	12/1/95	ND<0	32.5
	3/1/96	ND<0	32.5
	9/1/96	ND<0	32.5
	3/1/98	ND<0	32.5
	9/1/98	ND<0	32.5
	3/1/99	ND<0	32.5
	9/1/99	ND<0	32.5
	3/1/00	ND<0	32.5
	9/1/00	ND<0	32.5
	3/1/01	ND<0	32.5

Rank Sum = 650
Rank Mean = 32.5

MW-15	9/1/99	ND<0	32.5
	3/1/00	ND<0	32.5
	9/1/00	ND<0	32.5
	3/1/01	ND<0	32.5

Rank Sum = 130
Rank Mean = 32.5

Calculation Results:

Kruskal-Wallis H Statistic = 0.0952381
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 2.09524
95% Confidence comparison value is 7.81472 at 3 degrees of freedom
0.0952381 < 7.81472 indicating no significant group difference at 5% significance level
2.09524 < 7.81472 indicating no significant group difference at 5% significance level when adjusted for ties

Kruskal-Wallis Non-Parametric Test

Parameter: Carbon Tetrachloride

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Kruskal Wallis Ranks

Background Wells

Well ID	Date	Result	Rank
MW-10	8/1/92	ND<0	33
	7/1/93	ND<0	33
	8/1/93	ND<0	33
	10/1/93	ND<0	33
	11/1/93	ND<0	33
	12/1/93	ND<0	33
	8/1/94	ND<0	33
	11/1/94	ND<0	33
	2/1/95	ND<0	33
	5/1/95	ND<0	33
	9/1/95	ND<0	33
	12/1/95	ND<0	33
	3/1/96	ND<0	33
	9/1/96	ND<0	33
	3/1/98	ND<0	33
	9/1/98	ND<0	33
	3/1/99	ND<0	33
	9/1/99	ND<0	33
	3/1/00	ND<0	33
	9/1/00	ND<0	33
	3/1/01	ND<0	33

Rank Sum = 693
Rank Mean = 33

Background Rank Sum = 693
Background Rank Mean = 33

Compliance Wells

Well ID	Date	Result	Rank
MW-11	7/1/93	ND<0	33
	8/1/93	ND<0	33
	10/1/93	ND<0	33
	11/1/93	ND<0	33
	12/1/93	ND<0	33
	8/1/94	ND<0	33
	11/1/94	ND<0	33
	2/1/95	ND<0	33
	5/1/95	ND<0	33
	9/1/95	ND<0	33
	12/1/95	ND<0	33
	3/1/96	ND<0	33
	9/1/96	ND<0	33
	3/1/98	ND<0	33
	9/1/98	ND<0	33

	3/1/99	ND<0	33
	9/1/99	ND<0	33
	3/1/00	ND<0	33
	9/1/00	ND<0	33
	3/1/01	ND<0	33

Rank Sum = 660
Rank Mean = 33

MW-12	7/1/93	ND<0	33
	8/1/93	ND<0	33
	10/1/93	ND<0	33
	11/1/93	ND<0	33
	12/1/93	ND<0	33
	8/1/94	ND<0	33
	11/1/94	ND<0	33
	2/1/95	ND<0	33
	5/1/95	ND<0	33
	9/1/95	ND<0	33
	12/1/95	ND<0	33
	3/1/96	ND<0	33
	9/1/96	ND<0	33
	3/1/98	ND<0	33
	9/1/98	ND<0	33
	3/1/99	ND<0	33
	9/1/99	ND<0	33
	3/1/00	ND<0	33
	9/1/00	ND<0	33
	3/1/01	ND<0	33

Rank Sum = 660
Rank Mean = 33

MW-15	9/1/99	ND<0	33
	3/1/00	ND<0	33
	9/1/00	ND<0	33
	3/1/01	ND<0	33

Rank Sum = 132
Rank Mean = 33

Calculation Results:

Kruskal-Wallis H Statistic = 0
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 0
95% Confidence comparison value is 7.81472 at 3 degrees of freedom
0 < 7.81472 indicating no significant group difference at 5% significance level
0 < 7.81472 indicating no significant group difference at 5% significance level when adjusted for ties

Kruskal-Wallis Non-Parametric Test

Parameter: Chloroethane

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Kruskal Wallis Ranks

Background Wells

Well ID	Date	Result	Rank
MW-10	8/1/92	ND<0	33
	7/1/93	ND<0	33
	8/1/93	ND<0	33
	10/1/93	ND<0	33
	11/1/93	ND<0	33
	12/1/93	ND<0	33
	8/1/94	ND<0	33
	11/1/94	ND<0	33
	2/1/95	ND<0	33
	5/1/95	ND<0	33
	9/1/95	ND<0	33
	12/1/95	ND<0	33
	3/1/96	ND<0	33
	9/1/96	ND<0	33
	3/1/98	ND<0	33
	9/1/98	ND<0	33
	3/1/99	ND<0	33
	9/1/99	ND<0	33
	3/1/00	ND<0	33
	9/1/00	ND<0	33
	3/1/01	ND<0	33

Rank Sum = 693
Rank Mean = 33

Background Rank Sum = 693
Background Rank Mean = 33

Compliance Wells

Well ID	Date	Result	Rank
MW-11	7/1/93	ND<0	33
	8/1/93	ND<0	33
	10/1/93	ND<0	33
	11/1/93	ND<0	33
	12/1/93	ND<0	33
	8/1/94	ND<0	33
	11/1/94	ND<0	33
	2/1/95	ND<0	33
	5/1/95	ND<0	33
	9/1/95	ND<0	33
	12/1/95	ND<0	33
	3/1/96	ND<0	33
	9/1/96	ND<0	33
	3/1/98	ND<0	33
	9/1/98	ND<0	33

	3/1/99	ND<0	33
	9/1/99	ND<0	33
	3/1/00	ND<0	33
	9/1/00	ND<0	33
	3/1/01	ND<0	33

Rank Sum = 660
Rank Mean = 33

MW-12	7/1/93	ND<0	33
	8/1/93	ND<0	33
	10/1/93	ND<0	33
	11/1/93	ND<0	33
	12/1/93	ND<0	33
	8/1/94	ND<0	33
	11/1/94	ND<0	33
	2/1/95	ND<0	33
	5/1/95	ND<0	33
	9/1/95	ND<0	33
	12/1/95	ND<0	33
	3/1/96	ND<0	33
	9/1/96	ND<0	33
	3/1/98	ND<0	33
	9/1/98	ND<0	33
	3/1/99	ND<0	33
	9/1/99	ND<0	33
	3/1/00	ND<0	33
	9/1/00	ND<0	33
	3/1/01	ND<0	33

Rank Sum = 660
Rank Mean = 33

MW-15	9/1/99	ND<0	33
	3/1/00	ND<0	33
	9/1/00	ND<0	33
	3/1/01	ND<0	33

Rank Sum = 132
Rank Mean = 33

Calculation Results:

Kruskal-Wallis H Statistic = 0
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 0
95% Confidence comparison value is 7.81472 at 3 degrees of freedom
0 < 7.81472 indicating no significant group difference at 5% significance level
0 < 7.81472 indicating no significant group difference at 5% significance level when adjusted for ties

Kruskal-Wallis Non-Parametric Test

Parameter: Chloroform

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Kruskal Wallis Ranks

Background Wells

Well ID	Date	Result	Rank
MW-10	8/1/92	ND<0	32.5
	7/1/93	ND<0	32.5
	8/1/93	ND<0	32.5
	10/1/93	ND<0	32.5
	11/1/93	ND<0	32.5
	12/1/93	0.034	65
	8/1/94	ND<0	32.5
	11/1/94	ND<0	32.5
	2/1/95	ND<0	32.5
	5/1/95	ND<0	32.5
	9/1/95	ND<0	32.5
	12/1/95	ND<0	32.5
	3/1/96	ND<0	32.5
	9/1/96	ND<0	32.5
	3/1/98	ND<0	32.5
	9/1/98	ND<0	32.5
	3/1/99	ND<0	32.5
	9/1/99	ND<0	32.5
	3/1/00	ND<0	32.5
	9/1/00	ND<0	32.5
	3/1/01	ND<0	32.5

Rank Sum = 715
Rank Mean = 34.0476

Background Rank Sum = 715
Background Rank Mean = 34.0476

Compliance Wells

Well ID	Date	Result	Rank
MW-11	7/1/93	ND<0	32.5
	8/1/93	ND<0	32.5
	10/1/93	ND<0	32.5
	11/1/93	ND<0	32.5
	12/1/93	ND<0	32.5
	8/1/94	ND<0	32.5
	11/1/94	ND<0	32.5
	2/1/95	ND<0	32.5
	5/1/95	ND<0	32.5
	9/1/95	ND<0	32.5
	12/1/95	ND<0	32.5
	3/1/96	ND<0	32.5
	9/1/96	ND<0	32.5
	3/1/98	ND<0	32.5
	9/1/98	ND<0	32.5

	3/1/99	ND<0	32.5
	9/1/99	ND<0	32.5
	3/1/00	ND<0	32.5
	9/1/00	ND<0	32.5
	3/1/01	ND<0	32.5

Rank Sum = 650
Rank Mean = 32.5

MW-12	7/1/93	ND<0	32.5
	8/1/93	ND<0	32.5
	10/1/93	ND<0	32.5
	11/1/93	ND<0	32.5
	12/1/93	ND<0	32.5
	8/1/94	ND<0	32.5
	11/1/94	ND<0	32.5
	2/1/95	ND<0	32.5
	5/1/95	ND<0	32.5
	9/1/95	ND<0	32.5
	12/1/95	ND<0	32.5
	3/1/96	ND<0	32.5
	9/1/96	ND<0	32.5
	3/1/98	ND<0	32.5
	9/1/98	ND<0	32.5
	3/1/99	ND<0	32.5
	9/1/99	ND<0	32.5
	3/1/00	ND<0	32.5
	9/1/00	ND<0	32.5
	3/1/01	ND<0	32.5

Rank Sum = 650
Rank Mean = 32.5

MW-15	9/1/99	ND<0	32.5
	3/1/00	ND<0	32.5
	9/1/00	ND<0	32.5
	3/1/01	ND<0	32.5

Rank Sum = 130
Rank Mean = 32.5

Calculation Results:

Kruskal-Wallis H Statistic = 0.0952381
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 2.09524
95% Confidence comparison value is 7.81472 at 3 degrees of freedom
0.0952381 < 7.81472 indicating no significant group difference at 5% significance level
2.09524 < 7.81472 indicating no significant group difference at 5% significance level when adjusted for ties

Kruskal-Wallis Non-Parametric Test

Parameter: cis-1-3-Dichloropropene

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Kruskal Wallis Ranks

Background Wells

Well ID	Date	Result	Rank
MW-10	8/1/93	ND<0	31
	10/1/93	ND<0	31
	11/1/93	ND<0	31
	12/1/93	ND<0	31
	8/1/94	ND<0	31
	11/1/94	ND<0	31
	2/1/95	ND<0	31
	5/1/95	ND<0	31
	9/1/95	ND<0	31
	12/1/95	ND<0	31
	3/1/96	ND<0	31
	9/1/96	ND<0	31
	3/1/98	ND<0	31
	9/1/98	ND<0	31
	3/1/99	ND<0	31
	9/1/99	ND<0	31
	3/1/00	ND<0	31
	9/1/00	ND<0	31
	3/1/01	ND<0	31

Rank Sum = 589
Rank Mean = 31

Background Rank Sum = 589
Background Rank Mean = 31

Compliance Wells

Well ID	Date	Result	Rank
MW-11	8/1/93	ND<0	31
	10/1/93	ND<0	31
	11/1/93	ND<0	31
	12/1/93	ND<0	31
	8/1/94	ND<0	31
	11/1/94	ND<0	31
	2/1/95	ND<0	31
	5/1/95	ND<0	31
	9/1/95	ND<0	31
	12/1/95	ND<0	31
	3/1/96	ND<0	31
	9/1/96	ND<0	31
	3/1/98	ND<0	31
	9/1/98	ND<0	31
	3/1/99	ND<0	31
	9/1/99	ND<0	31
	3/1/00	ND<0	31

	9/1/00	ND<0	31
	3/1/01	ND<0	31

Rank Sum = 589
Rank Mean = 31

MW-12	8/1/93	ND<0	31
	10/1/93	ND<0	31
	11/1/93	ND<0	31
	12/1/93	ND<0	31
	8/1/94	ND<0	31
	11/1/94	ND<0	31
	2/1/95	ND<0	31
	5/1/95	ND<0	31
	9/1/95	ND<0	31
	12/1/95	ND<0	31
	3/1/96	ND<0	31
	9/1/96	ND<0	31
	3/1/98	ND<0	31
	9/1/98	ND<0	31
	3/1/99	ND<0	31
	9/1/99	ND<0	31
	3/1/00	ND<0	31
	9/1/00	ND<0	31
	3/1/01	ND<0	31

Rank Sum = 589
Rank Mean = 31

MW-15	9/1/99	ND<0	31
	3/1/00	ND<0	31
	9/1/00	ND<0	31
	3/1/01	ND<0	31

Rank Sum = 124
Rank Mean = 31

Calculation Results:

Kruskal-Wallis H Statistic = 0
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 0
95% Confidence comparison value is 7.81472 at 3 degrees of freedom
0 < 7.81472 indicating no significant group difference at 5% significance level
0 < 7.81472 indicating no significant group difference at 5% significance level when adjusted for ties

Kruskal-Wallis Non-Parametric Test

Parameter: Ethylbenzene

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Kruskal Wallis Ranks

Background Wells

Well ID	Date	Result	Rank
MW-10	8/1/92	ND<0	33
	7/1/93	ND<0	33
	8/1/93	ND<0	33
	10/1/93	ND<0	33
	11/1/93	ND<0	33
	12/1/93	ND<0	33
	8/1/94	ND<0	33
	11/1/94	ND<0	33
	2/1/95	ND<0	33
	5/1/95	ND<0	33
	9/1/95	ND<0	33
	12/1/95	ND<0	33
	3/1/96	ND<0	33
	9/1/96	ND<0	33
	3/1/98	ND<0	33
	9/1/98	ND<0	33
	3/1/99	ND<0	33
	9/1/99	ND<0	33
	3/1/00	ND<0	33
	9/1/00	ND<0	33
	3/1/01	ND<0	33

Rank Sum = 693
Rank Mean = 33

Background Rank Sum = 693
Background Rank Mean = 33

Compliance Wells

Well ID	Date	Result	Rank
MW-11	7/1/93	ND<0	33
	8/1/93	ND<0	33
	10/1/93	ND<0	33
	11/1/93	ND<0	33
	12/1/93	ND<0	33
	8/1/94	ND<0	33
	11/1/94	ND<0	33
	2/1/95	ND<0	33
	5/1/95	ND<0	33
	9/1/95	ND<0	33
	12/1/95	ND<0	33
	3/1/96	ND<0	33
	9/1/96	ND<0	33
	3/1/98	ND<0	33
	9/1/98	ND<0	33

	3/1/99	ND<0	33
	9/1/99	ND<0	33
	3/1/00	ND<0	33
	9/1/00	ND<0	33
	3/1/01	ND<0	33

Rank Sum = 660
Rank Mean = 33

MW-12	7/1/93	ND<0	33
	8/1/93	ND<0	33
	10/1/93	ND<0	33
	11/1/93	ND<0	33
	12/1/93	ND<0	33
	8/1/94	ND<0	33
	11/1/94	ND<0	33
	2/1/95	ND<0	33
	5/1/95	ND<0	33
	9/1/95	ND<0	33
	12/1/95	ND<0	33
	3/1/96	ND<0	33
	9/1/96	ND<0	33
	3/1/98	ND<0	33
	9/1/98	ND<0	33
	3/1/99	ND<0	33
	9/1/99	ND<0	33
	3/1/00	ND<0	33
	9/1/00	ND<0	33
	3/1/01	ND<0	33

Rank Sum = 660
Rank Mean = 33

MW-15	9/1/99	ND<0	33
	3/1/00	ND<0	33
	9/1/00	ND<0	33
	3/1/01	ND<0	33

Rank Sum = 132
Rank Mean = 33

Calculation Results:

Kruskal-Wallis H Statistic = 0
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 0
95% Confidence comparison value is 7.81472 at 3 degrees of freedom
0 < 7.81472 indicating no significant group difference at 5% significance level
0 < 7.81472 indicating no significant group difference at 5% significance level when adjusted for ties

Kruskal-Wallis Non-Parametric Test

Parameter: Isopropylbenzene

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Kruskal Wallis Ranks

Background Wells

Well ID	Date	Result	Rank
MW-10	8/1/92	ND<0	33
	7/1/93	ND<0	33
	8/1/93	ND<0	33
	10/1/93	ND<0	33
	11/1/93	ND<0	33
	12/1/93	ND<0	33
	8/1/94	ND<0	33
	11/1/94	ND<0	33
	2/1/95	ND<0	33
	5/1/95	ND<0	33
	9/1/95	ND<0	33
	12/1/95	ND<0	33
	3/1/96	ND<0	33
	9/1/96	ND<0	33
	3/1/98	ND<0	33
	9/1/98	ND<0	33
	3/1/99	ND<0	33
	9/1/99	ND<0	33
	3/1/00	ND<0	33
	9/1/00	ND<0	33
	3/1/01	ND<0	33

Rank Sum = 693
Rank Mean = 33

Background Rank Sum = 693
Background Rank Mean = 33

Compliance Wells

Well ID	Date	Result	Rank
MW-11	7/1/93	ND<0	33
	8/1/93	ND<0	33
	10/1/93	ND<0	33
	11/1/93	ND<0	33
	12/1/93	ND<0	33
	8/1/94	ND<0	33
	11/1/94	ND<0	33
	2/1/95	ND<0	33
	5/1/95	ND<0	33
	9/1/95	ND<0	33
	12/1/95	ND<0	33
	3/1/96	ND<0	33
	9/1/96	ND<0	33
	3/1/98	ND<0	33
	9/1/98	ND<0	33

	3/1/99	ND<0	33
	9/1/99	ND<0	33
	3/1/00	ND<0	33
	9/1/00	ND<0	33
	3/1/01	ND<0	33

Rank Sum = 660
Rank Mean = 33

MW-12	7/1/93	ND<0	33
	8/1/93	ND<0	33
	10/1/93	ND<0	33
	11/1/93	ND<0	33
	12/1/93	ND<0	33
	8/1/94	ND<0	33
	11/1/94	ND<0	33
	2/1/95	ND<0	33
	5/1/95	ND<0	33
	9/1/95	ND<0	33
	12/1/95	ND<0	33
	3/1/96	ND<0	33
	9/1/96	ND<0	33
	3/1/98	ND<0	33
	9/1/98	ND<0	33
	3/1/99	ND<0	33
	9/1/99	ND<0	33
	3/1/00	ND<0	33
	9/1/00	ND<0	33
	3/1/01	ND<0	33

Rank Sum = 660
Rank Mean = 33

MW-15	9/1/99	ND<0	33
	3/1/00	ND<0	33
	9/1/00	ND<0	33
	3/1/01	ND<0	33

Rank Sum = 132
Rank Mean = 33

Calculation Results:

Kruskal-Wallis H Statistic = 0
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 0
95% Confidence comparison value is 7.81472 at 3 degrees of freedom
0 < 7.81472 indicating no significant group difference at 5% significance level
0 < 7.81472 indicating no significant group difference at 5% significance level when adjusted for ties

Kruskal-Wallis Non-Parametric Test

Parameter: n-Propylbenzene

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Kruskal Wallis Ranks

Background Wells

Well ID	Date	Result	Rank
MW-10	7/1/93	ND<0	32.5
	8/1/93	ND<0	32.5
	10/1/93	ND<0	32.5
	11/1/93	ND<0	32.5
	12/1/93	ND<0	32.5
	8/1/94	ND<0	32.5
	11/1/94	ND<0	32.5
	2/1/95	ND<0	32.5
	5/1/95	ND<0	32.5
	9/1/95	ND<0	32.5
	12/1/95	ND<0	32.5
	3/1/96	ND<0	32.5
	9/1/96	ND<0	32.5
	3/1/98	ND<0	32.5
	9/1/98	ND<0	32.5
	3/1/99	ND<0	32.5
	9/1/99	ND<0	32.5
	3/1/00	ND<0	32.5
	9/1/00	ND<0	32.5
	3/1/01	ND<0	32.5

Rank Sum = 650
Rank Mean = 32.5

Background Rank Sum = 650
Background Rank Mean = 32.5

Compliance Wells

Well ID	Date	Result	Rank
MW-11	7/1/93	ND<0	32.5
	8/1/93	ND<0	32.5
	10/1/93	ND<0	32.5
	11/1/93	ND<0	32.5
	12/1/93	ND<0	32.5
	8/1/94	ND<0	32.5
	11/1/94	ND<0	32.5
	2/1/95	ND<0	32.5
	5/1/95	ND<0	32.5
	9/1/95	ND<0	32.5
	12/1/95	ND<0	32.5
	3/1/96	ND<0	32.5
	9/1/96	ND<0	32.5
	3/1/98	ND<0	32.5
	9/1/98	ND<0	32.5
	3/1/99	ND<0	32.5

	9/1/99	ND<0	32.5
	3/1/00	ND<0	32.5
	9/1/00	ND<0	32.5
	3/1/01	ND<0	32.5

Rank Sum = 650
Rank Mean = 32.5

MW-12	7/1/93	ND<0	32.5
	8/1/93	ND<0	32.5
	10/1/93	ND<0	32.5
	11/1/93	ND<0	32.5
	12/1/93	ND<0	32.5
	8/1/94	ND<0	32.5
	11/1/94	ND<0	32.5
	2/1/95	ND<0	32.5
	5/1/95	ND<0	32.5
	9/1/95	ND<0	32.5
	12/1/95	ND<0	32.5
	3/1/96	ND<0	32.5
	9/1/96	ND<0	32.5
	3/1/98	ND<0	32.5
	9/1/98	ND<0	32.5
	3/1/99	ND<0	32.5
	9/1/99	ND<0	32.5
	3/1/00	ND<0	32.5
	9/1/00	ND<0	32.5
	3/1/01	ND<0	32.5

Rank Sum = 650
Rank Mean = 32.5

MW-15	9/1/99	ND<0	32.5
	3/1/00	ND<0	32.5
	9/1/00	ND<0	32.5
	3/1/01	ND<0	32.5

Rank Sum = 130
Rank Mean = 32.5

Calculation Results:

Kruskal-Wallis H Statistic = 0
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 0
95% Confidence comparison value is 7.81472 at 3 degrees of freedom
0 < 7.81472 indicating no significant group difference at 5% significance level
0 < 7.81472 indicating no significant group difference at 5% significance level when adjusted for ties

Kruskal-Wallis Non-Parametric Test

Parameter: Phenol

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Kruskal Wallis Ranks

Background Wells

Well ID	Date	Result	Rank
MW-10	8/1/92	160	65
	7/1/93	ND<0	29.5
	8/1/93	ND<0	29.5
	10/1/93	ND<0	29.5
	11/1/93	ND<0	29.5
	12/1/93	20	59
	8/1/94	ND<0	29.5
	11/1/94	ND<0	29.5
	2/1/95	ND<0	29.5
	5/1/95	ND<0	29.5
	9/1/95	ND<0	29.5
	12/1/95	ND<0	29.5
	3/1/96	ND<0	29.5
	9/1/96	ND<0	29.5
	3/1/98	ND<0	29.5
	9/1/98	87	62
	3/1/99	ND<0	29.5
	9/1/99	ND<0	29.5
	3/1/00	ND<0	29.5
	9/1/00	65	61
	3/1/01	ND<0	29.5

Rank Sum = 748.5
Rank Mean = 35.6429

Background Rank Sum = 748.5
Background Rank Mean = 35.6429

Compliance Wells

Well ID	Date	Result	Rank
MW-11	7/1/93	ND<0	29.5
	8/1/93	ND<0	29.5
	10/1/93	ND<0	29.5
	11/1/93	ND<0	29.5
	12/1/93	ND<0	29.5
	8/1/94	ND<0	29.5
	11/1/94	ND<0	29.5
	2/1/95	ND<0	29.5
	5/1/95	ND<0	29.5
	9/1/95	ND<0	29.5
	12/1/95	ND<0	29.5
	3/1/96	ND<0	29.5
	9/1/96	ND<0	29.5
	3/1/98	ND<0	29.5
	9/1/98	ND<0	29.5

	3/1/99	ND<0	29.5
	9/1/99	ND<0	29.5
	3/1/00	ND<0	29.5
	9/1/00	132	63
	3/1/01	ND<0	29.5

Rank Sum = 623.5
Rank Mean = 31.175

MW-12	7/1/93	ND<0	29.5
	8/1/93	ND<0	29.5
	10/1/93	ND<0	29.5
	11/1/93	ND<0	29.5
	12/1/93	ND<0	29.5
	8/1/94	ND<0	29.5
	11/1/94	ND<0	29.5
	2/1/95	ND<0	29.5
	5/1/95	ND<0	29.5
	9/1/95	ND<0	29.5
	12/1/95	ND<0	29.5
	3/1/96	ND<0	29.5
	9/1/96	ND<0	29.5
	3/1/98	ND<0	29.5
	9/1/98	ND<0	29.5
	3/1/99	ND<0	29.5
	9/1/99	ND<0	29.5
	3/1/00	ND<0	29.5
	9/1/00	ND<0	29.5
	3/1/01	ND<0	29.5

Rank Sum = 590
Rank Mean = 29.5

MW-15	9/1/99	ND<0	29.5
	3/1/00	ND<0	29.5
	9/1/00	148	64
	3/1/01	51	60

Rank Sum = 183
Rank Mean = 45.75

Calculation Results:

Kruskal-Wallis H Statistic = 3.10081
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 10.7081
95% Confidence comparison value is 7.81472 at 3 degrees of freedom
3.10081 < 7.81472 indicating no significant group difference at 5% significance level
10.7081 > 7.81472 indicating a significant group difference at 5% significance level when adjusted for ties

---

Individual Well Comparisons at 1.66667% Significance Level per Comparison

1.66667% Z score is 2.14441
Mean background rank is 35.6429

Well	Mean Rank	Dif from Bkg	Critical Value
MW-11	31.175	-4.46786	12.6681
MW-12	29.5	-6.14286	12.6681
MW-15	45.75	10.1071	22.1195

Individual Well Comparisons at Groupwise 5% Significance Level

(1.66667% Significance Level per comparison)

1.66667% Z score is 2.14441

Mean background rank is 35.6429

Well	Mean Rank	Dif from Bkg	Critical Value
MW-11	31.175	-4.46786	12.6681
MW-12	29.5	-6.14286	12.6681
MW-15	45.75	10.1071	22.1195

Kruskal-Wallis Non-Parametric Test

Parameter: Trichloroethylene

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Kruskal Wallis Ranks

Background Wells

Well ID	Date	Result	Rank
MW-10	8/1/92	ND<0	33
	7/1/93	ND<0	33
	8/1/93	ND<0	33
	10/1/93	ND<0	33
	11/1/93	ND<0	33
	12/1/93	ND<0	33
	8/1/94	ND<0	33
	11/1/94	ND<0	33
	2/1/95	ND<0	33
	5/1/95	ND<0	33
	9/1/95	ND<0	33
	12/1/95	ND<0	33
	3/1/96	ND<0	33
	9/1/96	ND<0	33
	3/1/98	ND<0	33
	9/1/98	ND<0	33
	3/1/99	ND<0	33
	9/1/99	ND<0	33
	3/1/00	ND<0	33
	9/1/00	ND<0	33
	3/1/01	ND<0	33

Rank Sum = 693
Rank Mean = 33

Background Rank Sum = 693
Background Rank Mean = 33

Compliance Wells

Well ID	Date	Result	Rank
MW-11	7/1/93	ND<0	33
	8/1/93	ND<0	33
	10/1/93	ND<0	33
	11/1/93	ND<0	33
	12/1/93	ND<0	33
	8/1/94	ND<0	33
	11/1/94	ND<0	33
	2/1/95	ND<0	33
	5/1/95	ND<0	33
	9/1/95	ND<0	33
	12/1/95	ND<0	33
	3/1/96	ND<0	33
	9/1/96	ND<0	33
	3/1/98	ND<0	33
	9/1/98	ND<0	33

	3/1/99	ND<0	33
	9/1/99	ND<0	33
	3/1/00	ND<0	33
	9/1/00	ND<0	33
	3/1/01	ND<0	33

Rank Sum = 660
Rank Mean = 33

MW-12	7/1/93	ND<0	33
	8/1/93	ND<0	33
	10/1/93	ND<0	33
	11/1/93	ND<0	33
	12/1/93	ND<0	33
	8/1/94	ND<0	33
	11/1/94	ND<0	33
	2/1/95	ND<0	33
	5/1/95	ND<0	33
	9/1/95	ND<0	33
	12/1/95	ND<0	33
	3/1/96	ND<0	33
	9/1/96	ND<0	33
	3/1/98	ND<0	33
	9/1/98	ND<0	33
	3/1/99	ND<0	33
	9/1/99	ND<0	33
	3/1/00	ND<0	33
	9/1/00	ND<0	33
	3/1/01	ND<0	33

Rank Sum = 660
Rank Mean = 33

MW-15	9/1/99	ND<0	33
	3/1/00	ND<0	33
	9/1/00	ND<0	33
	3/1/01	ND<0	33

Rank Sum = 132
Rank Mean = 33

Calculation Results:

Kruskal-Wallis H Statistic = 0
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 0
95% Confidence comparison value is 7.81472 at 3 degrees of freedom
0 < 7.81472 indicating no significant group difference at 5% significance level
0 < 7.81472 indicating no significant group difference at 5% significance level when adjusted for ties

3/E

OCT 2001
Division

CONFIRMATORY SAMPLING
SOLID WASTE MANAGEMENT UNIT 12

DELTA AUTOMOTIVE, INC.
103 SOUTH ATLANTA AVENUE
SHEFFIELD, ALABAMA

EPA ID NO: ALD 982 123 127

HIGHLAND TECHNICAL SERVICES, INC.
Practicing in the Environmental and Geo-Sciences

1572 Montgomery Highway • Suite 208 • Birmingham, Alabama 35216
Phone: (205) 978-5664 • Fax (205) 978-0515

PROJECT NO.: 01-040512.05

HIGHLAND TECHNICAL SERVICES, INC. *Practicing in the Environmental and Geo-Sciences*
1572 Montgomery Highway • Suite 208 • Birmingham, Alabama 35216 • (205) 978-5664 • Fax (205) 978-0515

October 25, 2001

Alabama Department of Environmental Management
P.O. Box 301463
Montgomery, Alabama 36130-1463

Attention: Mr. Metz P. Duites
Hazardous Waste Branch

SUBJECT
Confirmatory Sampling
Solid Waste Management Unit 12
Delta Automotive, Inc.
Sheffield, Alabama
EPA ID No.: ALD 982 123 127

Dear Mr. Duites:

Highland Technical Services, Inc. has completed the confirmatory soil sampling activities associated with Solid Waste Management (SWMU) 12 at the above-referenced facility. This Confirmatory Sampling effort was conducted in accordance with the requirements of Post Closure Permit ALD 982 123 127 issued to the facility on April 2, 2001. The site location is depicted in the attached Site Vicinity Map (Figure 1). The following is a brief discussion of the confirmatory sampling activities.

On August 29, 2001, shallow soil samples were collected from the area beneath SWMU 12 (former spent mineral spirits drum storage area). The sampling area and boring locations are shown on the attached Figure 2. The area of concern was divided into four quarters (grid area) of equal surface area. A total of eight composite soil samples representative of two discrete depth intervals from each grid area (1 through 4) were collected for analysis as part of this investigation. Five hand auger borings were advanced in each of the grid areas to a total depth of 2.0 feet below ground surface.

The uppermost soil samples were collected beginning just beneath the ground surface to a depth of 1.0 feet in each of the five borings and composited into one sample representative of the grid area being sampled. A second composite sample was collected from the depth interval of 1.0 to 2.0 feet in each of the hand auger borings.

The soil samples were placed into laboratory provided containers, stored at 4° Celsius and delivered via overnight courier to Test America in Nashville, Tennessee for analysis. Each of the composite soil samples was analyzed for Volatile Organic Compounds (VOCs) using EPA Method 8260 and Total RCRA Metals using EPA Methods 6010B and 8260B.

Laboratory results of the soil samples collected from both the A and B intervals indicated detectable concentrations of several of the target metals. Acetone was also detected in each of the soil samples collected from both depth intervals. Carbon disulfide and Xylenes were detected at very low concentrations in samples SS-1B and SS-2B respectively. The laboratory

results of detected parameters are summarized in Table 1. Copies of the laboratory analytical results are included as an attachment. It should be noted that Acetone is a common equipment cleaning compound used by laboratories and can inadvertently be introduced into a sample during analysis. Given the consistent Acetone concentrations present in each of the samples analyzed as part of this investigation, Highland Technical Services, Inc. is of the opinion that the Acetone concentrations are the result of laboratory contamination and do not reflect residual concentrations of Acetone in soils in the area of SWMU 12.

TABLE 1 - DETECTED CONCENTRATIONS OF RCRA METALS AND VOCS

Parameter	SS-1A	SS-1B	SS-2A	SS-2B	SS-3A	SS-3B	SS-4A	SS-4B
Arsenic	5.84	6.98	7.77	5.76	6.51	6.97	6.84	6.50
Barium	134.0	79.1	135.0	124.0	127.0	88.0	139.0	80.5
Chromium	23.9	23.8	37.4	21.5	25.2	25.7	19.9	31.9
Lead	24.3	21.1	19.3	15.5	14.4	17.3	39.0	18.9
Mercury	ND	ND	ND	ND	0.103	ND	ND	ND
Nickel	11.5	9.69	13.3	11.3	13.6	9.76	11.7	12.2
Selenium	2.14	1.16	1.79	ND	1.78	ND	1.61	ND
Acetone	0.207	0.295	0.195	0.385	0.191	0.274	0.130	0.224
Carbon disulfide	ND	0.004	ND	ND	ND	ND	ND	ND
Xylenes	ND	ND	ND	0.0193	ND	ND	ND	ND

Reported in parts per million (mg/kg).

The detected concentrations of the target parameters were compared to the *U.S. EPA Soil Screening Guidance; User's Guide – Appendix A Generic Screening Levels* (SSLs) for Migration to Groundwater using a Dilution Attenuation Factor (DAF) of 20. The use of the DAF 20 concentration limit is based on the estimate that the source area of contamination at SWMU 12 is less than 0.5 acres in size. According to the *User's Guide* "...a default DAF of 20 has been selected as protective for contaminated soil sources up to 0.5 acres in size." The *User's Guide* further indicates that mass limit models suggest that a DAF of 20 may also be protective of larger sources. The DAF 20 concentration limits in soil for the detected parameters are included in Table 2 below. A complete copy of the Generic SSLs is included as an attachment.

TABLE 2 – SOIL SCREENING LEVELS

Parameter	SSL mg/kg
Arsenic	29
Barium	1,600
Cadmium	8
Chromium	38
Lead	400
Mercury	2
Nickel	130
Selenium	5
Acetone	16.0
Carbon disulfide	32.0
Xylenes (total)	600.0



Based on the findings of the laboratory analysis, the detected concentrations of the target parameters do not exceed their respective SSLs and therefore would not be expected to adversely impact groundwater beneath the site.

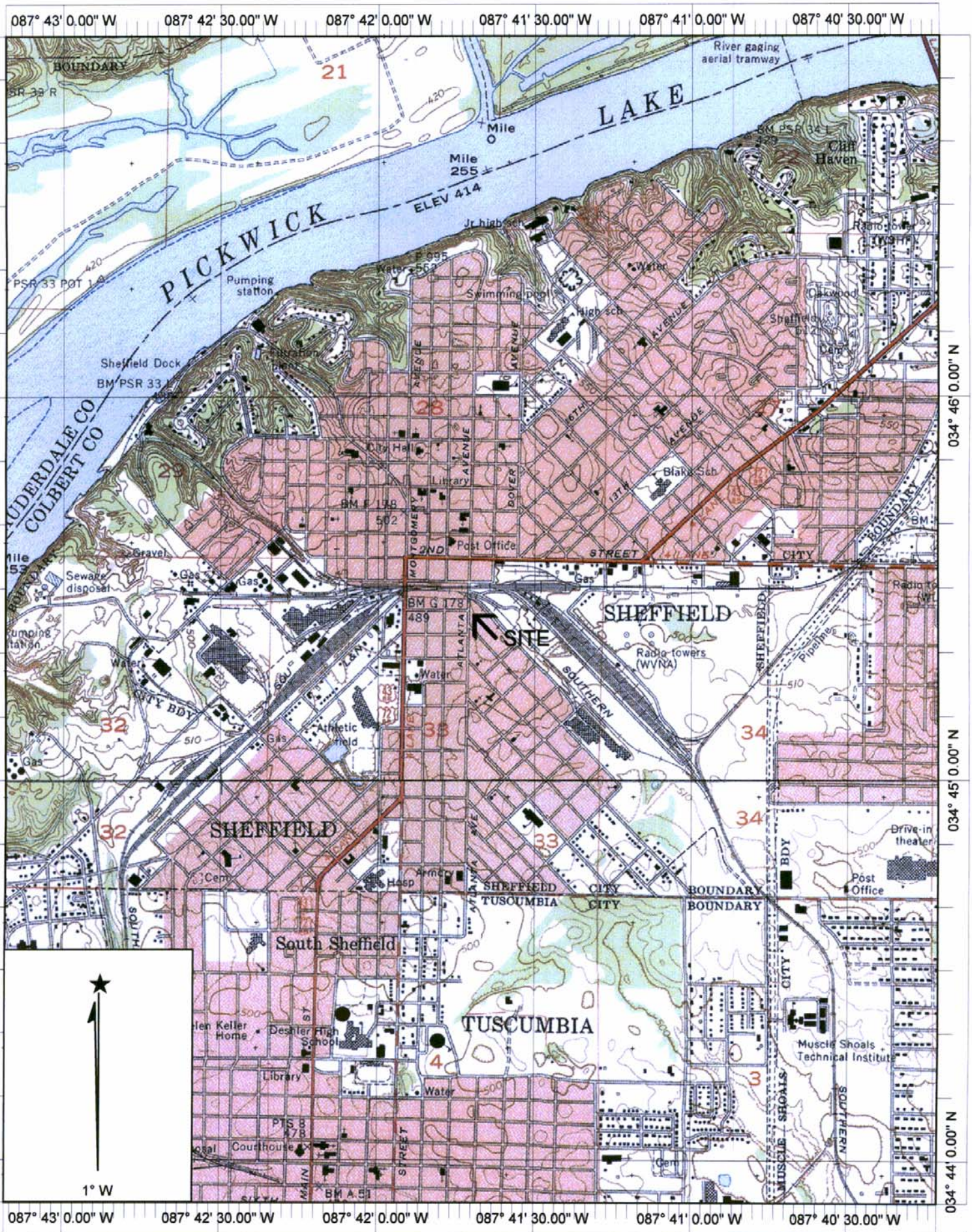
Highland Technical Services, Inc. appreciates your consideration in this matter. Should you have any questions concerning this submittal or require any additional information, please contact our office at (205) 978-5664.

Sincerely,
HIGHLAND TECHNICAL SERVICES, INC.

H. Howard Youngblood
Staff Geologist

William W. Cooch, C.P.G., P.G.
Principal Geologist

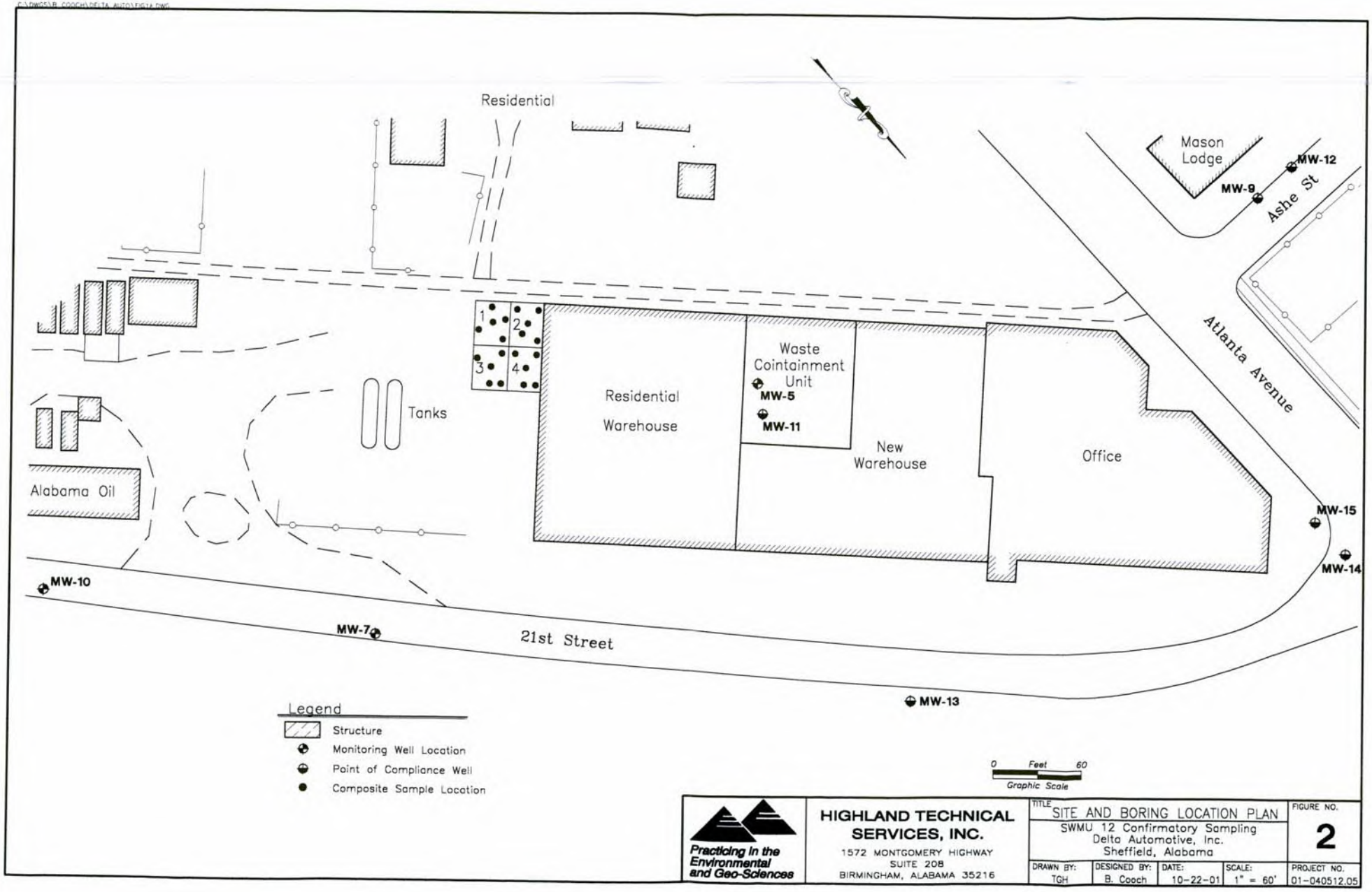
attachments



Name: FLORENCE
Date: 10/22/2001
Scale: 1 inch equals 2000 feet

Location: 034° 45' 25.1" N 087° 41' 41.9" W
Caption: Figure 1
Delta Automotive, Inc.
Sheffield, Alabama

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Practicing in the Environmental and Geo-Sciences

HIGHLAND TECHNICAL SERVICES, INC.
1572 MONTGOMERY HIGHWAY
SUITE 208
BIRMINGHAM, ALABAMA 35216

TITLE: SITE AND BORING LOCATION PLAN
SWMU 12 Confirmatory Sampling
Delta Automotive, Inc.
Sheffield, Alabama

FIGURE NO. 2

DRAWN BY:	DESIGNED BY:	DATE:	SCALE:	PROJECT NO.
TGH	B. Cooch	10-22-01	1" = 60'	01-040512.05

OCT 2001
Division

SEMI-ANNUAL GROUNDWATER MONITORING REPORT

AUGUST 2001
DELTA AUTOMOTIVE, INC.
SHEFFIELD, ALABAMA
EPA ID NO.: ALD 982 123 127
PROJECT NO.: 01-040512.04

Prepared for:

Delta Automotive, Inc.
103 South Atlanta Avenue
Sheffield, Alabama, 35660

October 26, 2001

Prepared by:

Highland Technical Services, Inc.
1572 Montgomery Highway, Suite 208
Birmingham, Alabama 35216
Phone: (205) 978-5664 Fax: (205) 978-0515

H. Howard Youngblood
Staff Geologist

William W. Cooch, C.P.G., P.G.
Principal Geologist

WILLIAM W. COOCH
ALABAMA
REGISTERED PROFESSIONAL GEOLOGIST

EXECUTIVE SUMMARY

The purpose of this project is to provide a semi-annual groundwater monitoring report for the Delta Automotive, Inc. facility in accordance with the Alabama Hazardous Wastes Management and Minimization Act (AHWMMA) Post-Closure Permit issued to Delta Automotive, Inc. by the Alabama Department of Environmental Management (ADEM) on April 2, 2001. Semi-annual groundwater monitoring was conducted at the Delta Automotive, Inc. facility located in Sheffield, Colbert County, Alabama and included determination of groundwater elevations, sampling and analysis for the semi-annual sampling event conducted August 29, 2001.

Based on the analyses presented in this annual groundwater monitoring report, no constituents of concern were detected at concentrations above the published Maximum Concentration Limit (MCLs) in any of the down-gradient offsite monitoring wells.

Based on the findings of the statistical analysis, Barium was the only parameter detected at significantly different concentrations as compared to background in the shallow flow zone beneath the site. There were no statistically significant increases determined to be present in the downgradient wells in the deep flow zone at the time of the August 2001 sampling event.

The highest Barium concentration (0.102 ppm) was present in the groundwater sample collected from MW-14 in the shallow flow zone and is well below the published MCL for Barium of 2.0 ppm, as given in The U.S. EPA *Drinking Water Standards and Health Advisories, Summer 2000.* Additionally, surface water and groundwater research information prepared by the Alabama Geological Survey, states that previous surface water and groundwater quality studies have determined that Barium is present in a majority of the public drinking water supplies in Alabama. The concentrations of Barium in samples collected from groundwater wells and surface water bodies across the State range from below the detection limit of 0.003 ppm to 1.020 ppm.

Historical groundwater data indicates that Barium has been detected at varying concentrations, in each of the monitoring wells screened in both shallow and deep flow zones in every sampling event. Based on the spatial distribution of Barium across site and it's historically consistent presence in groundwater beneath the site, Highland Technical Services, Inc. is of the opinion that Barium occurs naturally in dissolved concentrations in the local area of Delta Automotive



and is not the result of past operations at the facility.

There are no immediate downgradient, off-site or on-site drinking water uses for groundwater, therefore, it appears that there is no current health risk posed by the presence of the identified constituents in groundwater at this site.



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FIGURES

FIGURE 1 Site Vicinity Map
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APPENDICES

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1.0 INTRODUCTION

1.1 PURPOSE, SCOPE, AND AUTHORIZATION

The purpose of this project is to provide the semi-annual groundwater monitoring report for the Delta Automotive, Inc.'s Sheffield, Alabama facility. Semi-annual groundwater sampling was conducted on August 29, 2001. This semi-annual Groundwater Monitoring Report is submitted in accordance with the Post-Closure Permit issued to Delta Automotive, Inc. by the ADEM on April 2, 2001. The scope of work included groundwater elevation determinations and groundwater sampling and analysis.

2.0 HYDROGEOLOGIC SETTING

The Delta Automotive, Inc. facility is located within Section 33, Township 3 South, Range 11 West, at 103 South Atlanta Avenue, Sheffield, Colbert County, Alabama (Figure 1). The site is situated within the Tennessee Valley area of the Interior Low Plateaus Physiographic Province of north Alabama. The site is immediately underlain by the Tuscumbia Limestone of Mississippian Age. The Tuscumbia Limestone is typically comprised of light gray, partly oolitic (near the top), fine to very coarse-grained bioclastic limestone (crinoidal limestone is common). The Tuscumbia also contains light gray chert nodules and concretions. It ranges up to 200 feet in thickness. The limestone is infrequently exposed in outcrop, those localities being primarily sinkholes and road cuts.

The Tuscumbia Limestone is underlain by the Fort Payne Chert, which is comprised of very light- to light-gray thin- to thick-bedded fine- to coarse-grained bioclastic limestone with chert. The upper portion of the formation consists of light bluish-gray laminated vuggy siltstone, interbedded with medium greenish-gray shale, shaly limestone, siltstone and chert. The apparent thickness of the Fort Payne Chert varies with differential dissolution of the carbonate. At the base of the Fort Payne Chert is the Maury Shale, a light olive-gray siltstone which is mapped with the Fort Payne Chert.

The Tuscumbia Limestone and underlying Fort Payne Chert, where both formations are present, are in hydraulic communication and are referred to as the Tuscumbia-Fort Payne



aquifer. The Tuscumbia-Fort Payne is an excellent aquifer, capable of supplying large quantities of water to wells and springs. The flow of Tuscumbia Spring has been measured at 62 million gallons per day (MGD). Groundwater flow is controlled by secondary porosity, occurring primarily through solution openings and solution-enlarged bedding planes and joints. The Tuscumbia-Fort Payne aquifer beneath the site is characterized by a shallow flow zone and a deep flow zone.

The Tuscumbia Limestone is associated with sinkholes. Numerous sinkholes can be observed on the USGS topographic quadrangles *Sheffield and Tuscumbia, Alabama* (Figure 1). A sinkhole that has a diameter of approximately one-half mile is located adjacent to the southern and western property boundaries of the site. Another sinkhole is located approximately 500 feet east of the property, and numerous other sinkholes are located within a one-mile radius of the site. Several of these sinkholes are located at or adjacent to other industrial facilities.

The Tuscumbia Limestone, which most immediately underlies the site and from which site soils have been derived, weathers to a reddish-brown residual soil generally 20 to 40 feet thick. At some locations, the clay soils act as an impervious cap over solution openings in the underlying Tuscumbia-Fort Payne aquifer system. As observed during site drilling, the native soil consists of chert-fragment-rich plastic clay.

The site is very level, with immediate surface water drainage toward the south and southwest. Water-level measurements obtained from site monitoring wells show that groundwater flow in the shallow flow zone is overall to the northwest (Figure 2). Groundwater flow in the deep Tuscumbia-Fort Payne aquifer flow zone appears to be also generally to the northwest (Figure 3). Regional surface and groundwater flow is ultimately towards Pickwick Lake, located to the north and west, slightly more than a mile from the site.

There is no residential use of groundwater in the Sheffield, Alabama area. The Sheffield area derives its public water supply from Pickwick Lake, at a pumping station located about 2.3 miles downstream from the O'Neal Bridge.



3.0 MONITORING WELL NETWORK

The monitoring well network at the site originally consisted of 11 wells: MW-1; MW-2; MW-3B; MW-4; MW-5; MW-6; MW-7; MW-9; MW-10; MW-11; and MW-12. Monitoring wells MW-1, MW-2; MW-3B; MW-4 and MW-6 were abandoned with the prior approval of ADEM in June 1998. Three additional monitoring wells (MW-13, MW-14 and MW-15) were added in July 1999. A monitoring well summary is provided in Appendix A, Table 1. Monitoring wells MW-5, MW-10, MW-11, MW-12 and MW-15 are deep wells completed within the lower flow zone of the Tuscumbia-Fort Payne aquifer. Monitoring wells MW-7, MW-9, MW-13 and MW-14 are completed in the shallow flow zone. Well and water level data used in this report have been registered to the elevations established by a former site survey. The Point of Compliance wells for the subject site include MW-9, MW-11, MW-12, MW-13, MW-14 and MW-15.

4.0 GROUNDWATER SAMPLING AND ANALYSIS

A list of the groundwater parameters included for analysis during this semi-annual sampling event is presented in Appendix A, Table 2. A summary of the groundwater analytical data for the August 29, 2001 sampling event is included in Appendix A, Table 3.

Prior to purging and sample collection, static water-level measurements were taken at each well using an electronic water-level indicator. Groundwater elevations were calculated using surveyed well elevation data (Appendix A, Table 4). The depth to water was used to calculate the volume of standing water in each well prior to purging. The water-level indicator was decontaminated between wells.

Before groundwater samples were collected, approximately three volumes of water were purged from each well using a submersible pump or disposable polyethylene bailers. When used, the submersible pump was decontaminated between wells.

Groundwater samples were obtained and analyzed in accordance with EPA protocols. Test America, Inc. provided analytical services for each sampling event. Test America, Inc.



maintains a strict quality control/quality assurance program. Chain-of-custody control for samples was maintained. Laboratory reports and chain of custody records for the August 2001 sampling event is included as Appendix B.

The field parameters of temperature, pH, and specific conductance were measured for the August 2001 sampling event and are included in Appendix A, Table 5. Monitoring well sampling records are provided in Appendix C.

5.0 DATA EVALUATION

5.1 GROUNDWATER FLOW REGIME

Water-level elevations collected from the site monitoring wells are provided in Appendix A, Table 4. Groundwater elevations indicate that monitoring wells MW-7, MW-9, MW-13 and MW-14 are completed within a shallow flow zone occurring in soil and cherty residuum above bedrock. Water-level elevations indicate that monitoring wells MW-5, MW-10, MW-11, MW-12 and MW-15 are completed in a deep flow zone within the underlying bedrock. Water-level elevations were observed to be 28.20 feet lower in the deep well MW-10 as compared to shallow well MW-7. Water-level elevations were 27.60 feet lower in the deep well MW-12 as compared to shallow well MW-9. Water-level elevations were 26.31 feet lower in the deep well MW-15 as compared to shallow well MW-14.

5.1.1 Shallow Flow Zone

The groundwater levels in the shallow wells measured during the August 2001 sampling event indicated a maximum difference in elevation of 9.09 feet across the site in the shallow flow zone. The configuration of the potentiometric surfaces for the August 2001 sampling event as derived from water-level measurements for the shallow wells are shown in Figure 2. The shallow hydraulic gradient across the site during the August 2001 sampling event was approximately 0.012 ft/ft. As can be seen in the above-referenced figures, the overall general direction of shallow groundwater flow is to the northwest.



5.1.2 Deep Flow Zone

A lower flow zone within the Tuscumbia-Fort Payne aquifer is also present beneath the site; this flow zone is artesian at the site location, with the overlying residual clays acting as an aquitard and semi-confining layer across most of the site. The groundwater levels in the deep monitoring wells indicated a maximum difference in elevation of 6.33 feet across the site in the deep flow zone during the August 2001 sampling event. The difference in groundwater elevation at the off-site deep upgradient well (MW-10) and closest upgradient shallow well (MW-7) was 28.20 feet at the time of the March 2001 event. The difference in groundwater elevation at the off-site deep downgradient gradient well (MW-12) and paired downgradient shallow well (MW-9) was 27.60 feet at the time of August 2001 sampling event.

The vertical hydraulic gradient at the MW-9 and MW-12 paired wells was calculated to be 0.83 ft/ft during the August 2001 event. The vertical hydraulic gradient calculated for wells MW-7 and MW-10 was 0.12 ft/ft during the August 2001 event. Based on water-level elevations, well pair locations have a vertically downward component of flow. Given the relatively level existing surface topography in the site vicinity, the highly variable vertical hydraulic gradient at the paired well location cannot be attributed solely to topographic control and is most likely dependent upon the three-dimensional network of solution openings in the bedrock.

Based on groundwater measurements collected from the deep monitoring wells (MW-5, MW-10, MW-12 and MW-15), the direction of deep groundwater flow at the site is to the north northwest. The configuration of the potentiometric surface as derived from water-level measurements for the deep wells is shown in Figures 3. The calculated horizontal hydraulic gradient of the deep aquifer was approximately 0.007 ft/ft during the August 2001 event.

5.2 GROUNDWATER QUALITY

Data from the shallow monitoring wells MW-9, MW-13 and MW-14 were compared to data for the shallow background monitoring well MW-7, and data for the deep monitoring wells MW-11, MW-12 and MW-15 were compared to data for the deep background monitoring well MW-10. The observed values are also compared to the respective MCL for each constituent.



Federal and state agencies have established health standards and criteria that mandate or suggest maximum contaminant levels (MCLs) allowable in drinking water. The concentrations of contaminants reported in samples from the subject site were also evaluated with respect to these established health standards or criteria. The health standards and criteria applied to each of the parameters detected during this investigation are: the MCL, EPA 540/1-86/060; the EPA Drinking Water Regulations and Health Advisories (Summer 2000); and the Alabama Drinking Water Standards ADEM Administrative Code 335-7-2-.03 and 335-7-2-.04.

Aluminum, Barium, Cadmium, Chromium, Silver and Zinc were detected at concentrations below their respective MCLs in several of the samples collected during this sampling event.

5.3 STATISTICAL ANALYSIS

The statistical analysis conducted as part of this semi-annual sampling event included the parameters included in Appendix A – Table 2 for comparison of downgradient constituent concentrations to background values. Since the installation of additional point of compliance wells (POC) at the facility in 1999 and the completion of the fourth sampling event from the new POC wells in March 2001, Delta is now using the Kruskal-Wallis Test, as recommended by the U.S. EPA (1992). This non-parametric test uses the ranked values of the groundwater data for each constituent and provides a statistic indicating the likelihood that downgradient data are significantly greater than background values.

Additionally, the Post Closure Permit Application recently approved for this facility designates MW-5 as a standard monitoring well or piezometer. In the future, only field parameters and water level measurements are required to be collected from this monitoring well. Due to the fact that no constituent data will be obtained from MW-5 during future sampling events, it has been removed from the data set and will no longer be included in the statistical analysis.

Due to the presence of two distinct water-bearing zones beneath site as discussed in Section 5.0, the statistical analysis of the constituent data for the shallow flow zone was compared separately from that of the deeper flow zone. The data sets used in the statistical analysis for the shallow and deep wells are included as Appendix D and Appendix E respectively.

The statistical analysis was conducted using ChemStat™ *RCRA Subtitle C & D Statistical*



Analysis software. Please note that ChemStat™ converts the reported constituent concentrations (mg/L) to ug/L for statistical comparison.

5.4 POISSON PREDICTION LIMIT ANALYSIS – SHALLOW FLOW ZONE

Poisson Predication Limits were calculated for the various constituents detected in the shallow flow zone with greater than 90% non-detects. A Poisson Prediction Limit compares the calculated total population to the last sample collected and determines if a detected concentration would exceed the Prediction Limit for the background concentration. If the detected concentration does not exceed the Prediction Limit for the background concentration, then no statistically significant increase for that constituent would be expected.

A summary of the findings of the Poisson Prediction Limit analysis for the detected parameters in the shallow flow zone with greater than 90% non-detects is given Table 3 below.

Table 3 - Results of Poisson Prediction Limit

Parameter	% Non-Detects	MW-9	MW-13	MW-14
Arsenic	92.86	PASS	PASS	PASS
Cadmium	92.86	PASS	**FAIL**	PASS
Silver	96.43	PASS	**FAIL**	**FAIL**
1-1-1 Trichloroethane	98.21	PASS	PASS	PASS
1-1 Dichloroethane	98.21	PASS	PASS	PASS
Acetone	98.11	PASS	PASS	PASS
Ethylbenzene	98.21	PASS	PASS	PASS
Phenol	92.86	PASS	PASS	PASS
Trichloroethylene	98.21	PASS	PASS	PASS

Based on the findings of the Poisson Prediction Limit analysis conducted on the parameters included in Table 3 above, there is evidence to indicate the potential for a statistically significant increase of Cadmium in MW-13 and Silver in MW-13 and MW-14. These constituents were included in the Non-Parametric ANOVA analysis to confirm or deny the occurrence of a statistically significant increase. The results of Poisson Prediction Limit analysis for constituents that passed and time versus concentration graphs for each are included in Appendix F.

5.5 POISSON PREDICTION LIMIT ANALYSIS – DEEP FLOW ZONE

Poisson Predication Limits were also calculated for the various constituents detected in the deep flow zone with greater than 90% non-detects. A summary of the findings of the Poisson



Prediction Limit analysis for the detected parameters in the deep flow zone with greater than 90% non-detects is given Table 4 below.

Table 4 - Results of Poisson Prediction Limit

Parameter	% Non-Detects	MW-11	MW-12	MW-15
Arsenic	97.10	PASS	PASS	PASS
Silver	98.55	PASS	**FAIL**	PASS
1-1 Dichloroethane	98.55	PASS	PASS	PASS
Acetone	95.65	PASS	PASS	PASS
Benzene	98.55	PASS	PASS	PASS
Chloroform	98.55	PASS	PASS	PASS

Based on the findings pf the Poisson Prediction Limit analysis conducted on the parameters included in Table 3 above, there is evidence to indicate the potential for a statistically significant increase of Silver in MW-12. Therefore Silver was included in the Non-Parametric ANOVA analysis to confirm or deny the occurrence of a statistically significant increase. The results of Poisson Prediction Limit analysis for constituents that passed and time versus concentration graphs for each are included in Appendix G.

5.6 NON-PARAMETRIC ANOVA ANALYSIS

The statistical procedure selected was the analysis of variance based on the ranks of each data point. This procedure, also known as the Non-Parametric ANOVA (Kruskal-Wallis), is described in Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Addendum to Interim Final Guidance, Office of Solid Waste, US E.P.A., July 1992.

Following the guidance provided in the EPA document referenced above, the Kruskal-Wallis H statistic was calculated for each constituent. This statistic was then adjusted for tie values present in the dataset. The result of this calculation (the Kruskal-Wallis Adjusted H) can be compared to a critical value obtained from the Chi-Square distribution.

If one or more constituents has a calculated H value greater than the Chi-Square critical value, the mean ranks of each individual shallow well was compared to the mean rank of the shallow background well (MW-7). The difference between each pairing of wells, divided by the Standard Error, can be compared to Z_{crit}, the upper 0.01-percentile from the Standard Normal distribution (N[0,1]). A Type-I error rate of 0.01 would be used for these individual well comparisons.



5.7 NON-PARAMETRIC ANALYSIS RESULTS – SHALLOW FLOW ZONE

The findings of the laboratory analysis for this and previous sampling events indicate that Aluminum, Barium, Chromium, Lead and Zinc have had non-detects of less than 90%, therefore use of the Poisson Prediction Limit analysis was not appropriate for these metals. The non-parametric ANOVA (Kruskal-Wallis) statistical analysis was conducted on above-referenced metals plus Cadmium and Silver and indicated that only Barium occurred in statistically significant difference in concentrations in downgradient wells as compared to upgradient well MW-7. The sample with highest Barium concentration (0.102 ppm) was collected from MW-14 during the August 2001 sampling event and is well below the published MCL for Barium of 2.0 ppm, as given in The U.S. EPA *Drinking Water Standards and Health Advisories, Summer 2000*. Results of the Kruskal-Wallis analysis conducted on the samples collected from the shallow monitoring wells and time versus concentration graphs for each are also included in Appendix F.

5.8 NON-PARAMETRIC ANALYSIS RESULTS - DEEP FLOW ZONE

The findings of the laboratory analysis for this and previous sampling events indicate that Aluminum, Barium, Cadmium, Chromium, Lead, Phenol and Zinc have had non-detects of less than 90%, therefore use of the Poisson Prediction Limit analysis was not appropriate for these metals.

The non-parametric ANOVA (Kruskal-Wallis) statistical analysis was also conducted on above-referenced metals plus Silver for the deep flow zone. The findings of the non-parametric ANOVA analysis on the samples collected from the deep flow zone indicated no statistically significant increase in any of the target parameters in downgradient monitoring wells at the time of the August 2001 sampling event. The results of Kruskal-Wallis analysis for above-referenced parameters and time versus concentration graphs for each are also included in Appendix G.



6.0 SUMMARY AND CONCLUSIONS

Based on the analyses presented in this annual groundwater monitoring report, no constituents of concern were detected at concentrations above the published Maximum Concentration Limit (MCLs) in any of the down-gradient offsite monitoring wells.

Based on the findings of the statistical analysis, Barium was the only parameter detected at significantly different concentrations as compared to background in the shallow flow beneath the site. There were no statistically significant increases determined to present in the downgradient wells in the deep flow zone at the time of the August 2001 sampling event.

The Barium concentration (0.102 ppm) present in the groundwater sample collected from MW-14 in the shallow flow zone is well below the published MCL for Barium of 2.0 ppm, as given in The U.S. EPA *Drinking Water Standards and Health Advisories, Summer 2000.* Additionally, surface water and groundwater research information prepared by the Alabama Geological Survey, states that previous surface water and groundwater quality studies have determined that Barium is present in a majority of the public drinking water supplies in Alabama. The concentrations of Barium in samples collected from groundwater wells and surface water bodies across the State range from below the detection limit of 0.003 ppm to 1.020 ppm.

Historical groundwater data indicates that Barium has been detected at varying concentrations, in each of the monitoring wells screened in both shallow and deep flow zones in every sampling event. Based on the spatial distribution of Barium across site and it's historically consistent presence in groundwater beneath the site, Highland Technical Services, Inc. is of the opinion that Barium occurs naturally in dissolved concentrations in the local area of Delta and is not the result of past operations at the facility.

It should be noted that there are no immediate downgradient, off-site or on-site drinking water uses for groundwater, therefore, it appears that there is no current health risk posed by the presence of the identified constituents in groundwater at this site.

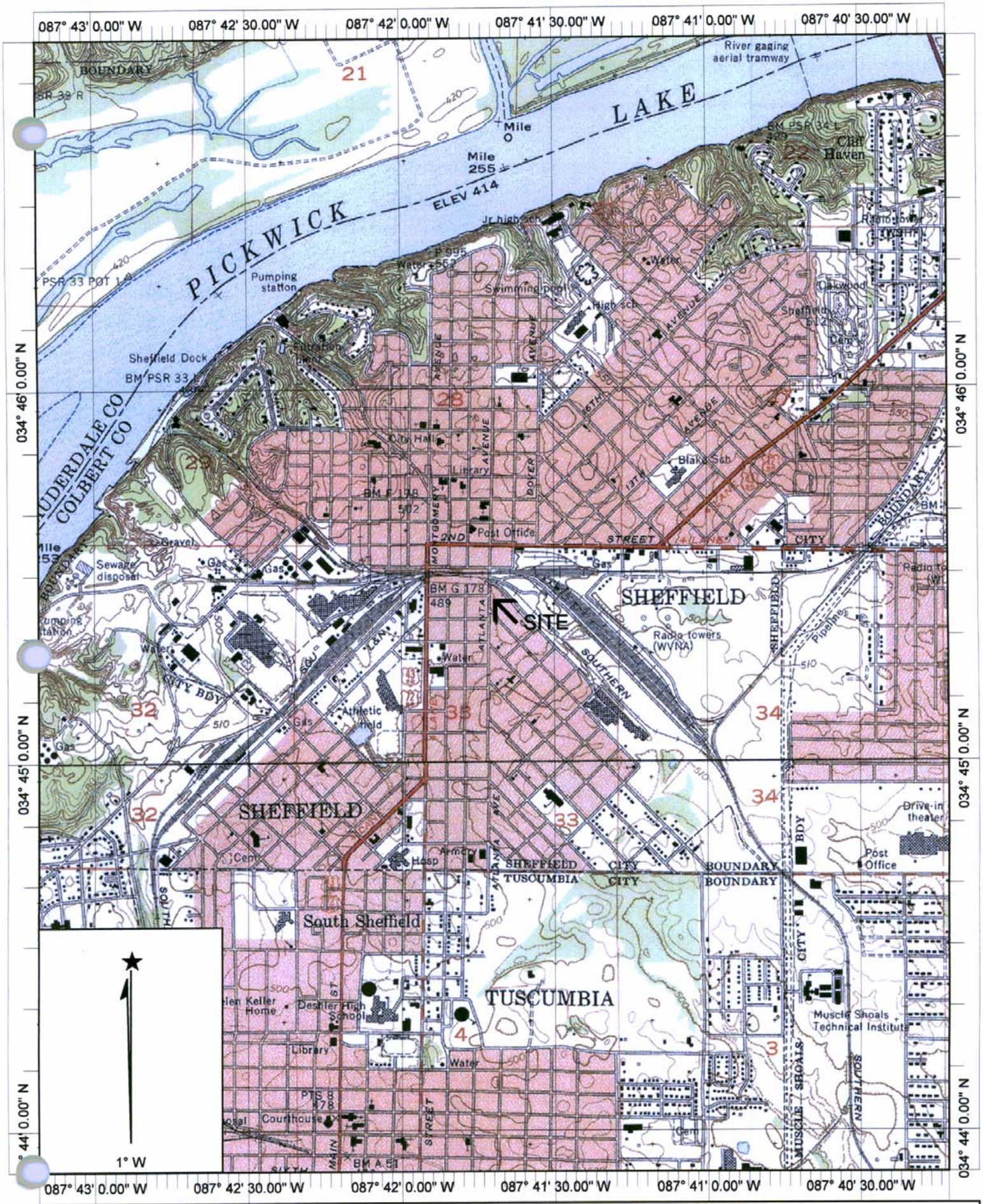


7.0 QUALIFICATIONS

Our evaluation of hydrogeologic conditions at this site is based on available information and data obtained during research and field study. These services have been performed in accordance with generally accepted standards of performance for this level of activity. Our conclusions are based on the conditions established by this study.

Highland Technical Services, Inc. is not responsible for the conclusions and opinions made by others based on the findings of this report.



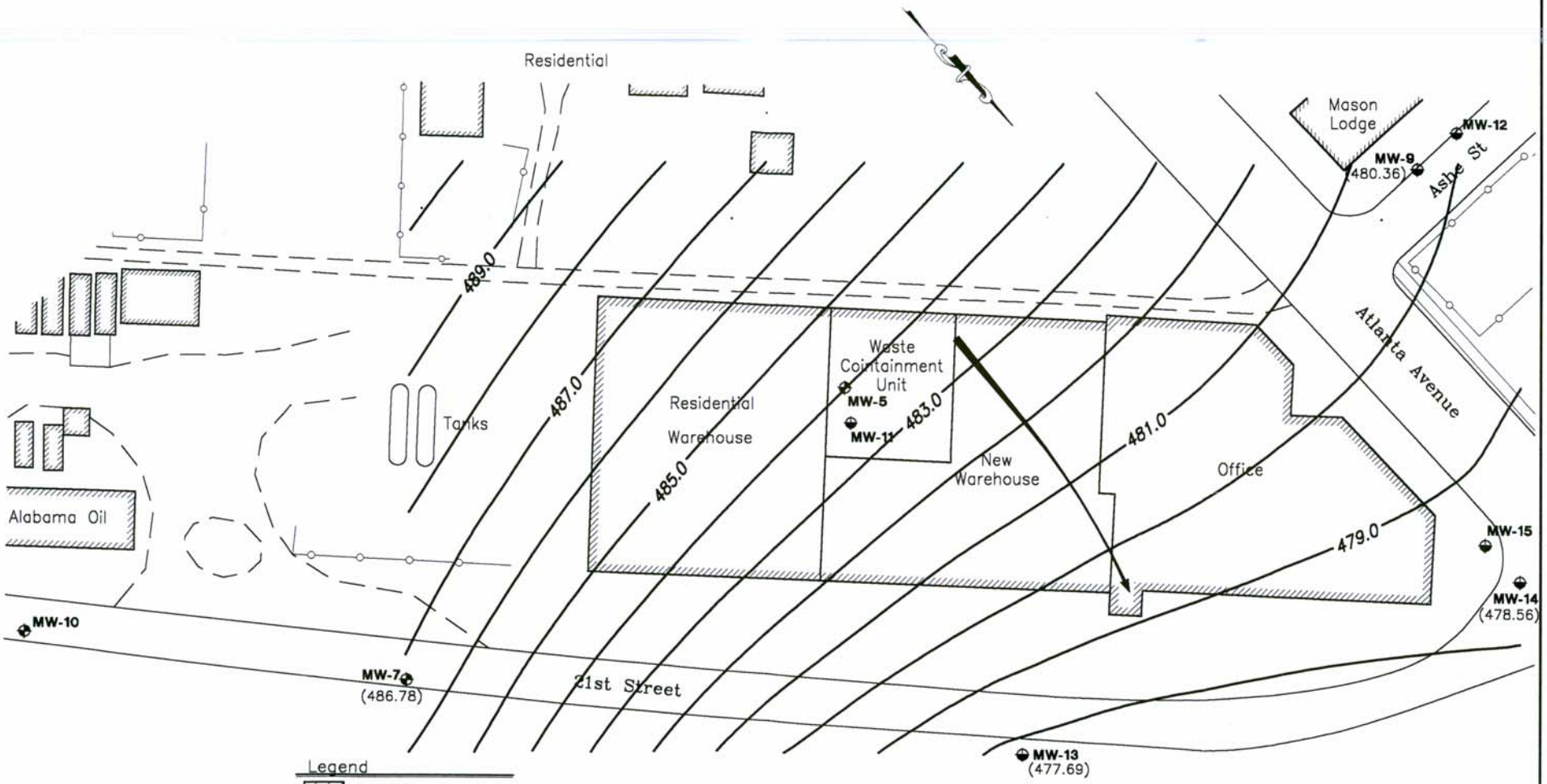


Name: FLORENCE
Date: 10/22/2001
Scale: 1 inch equals 2000 feet

Location: 034° 45' 25.1" N 087° 41' 41.9" W
Caption: Figure 1
Delta Automotive, Inc.
Sheffield, Alabama

Copyright (C) 1997, Maptech, Inc.

C:\DWGS\B_COOCH\DELTA AUTO\FIG1A.DWG



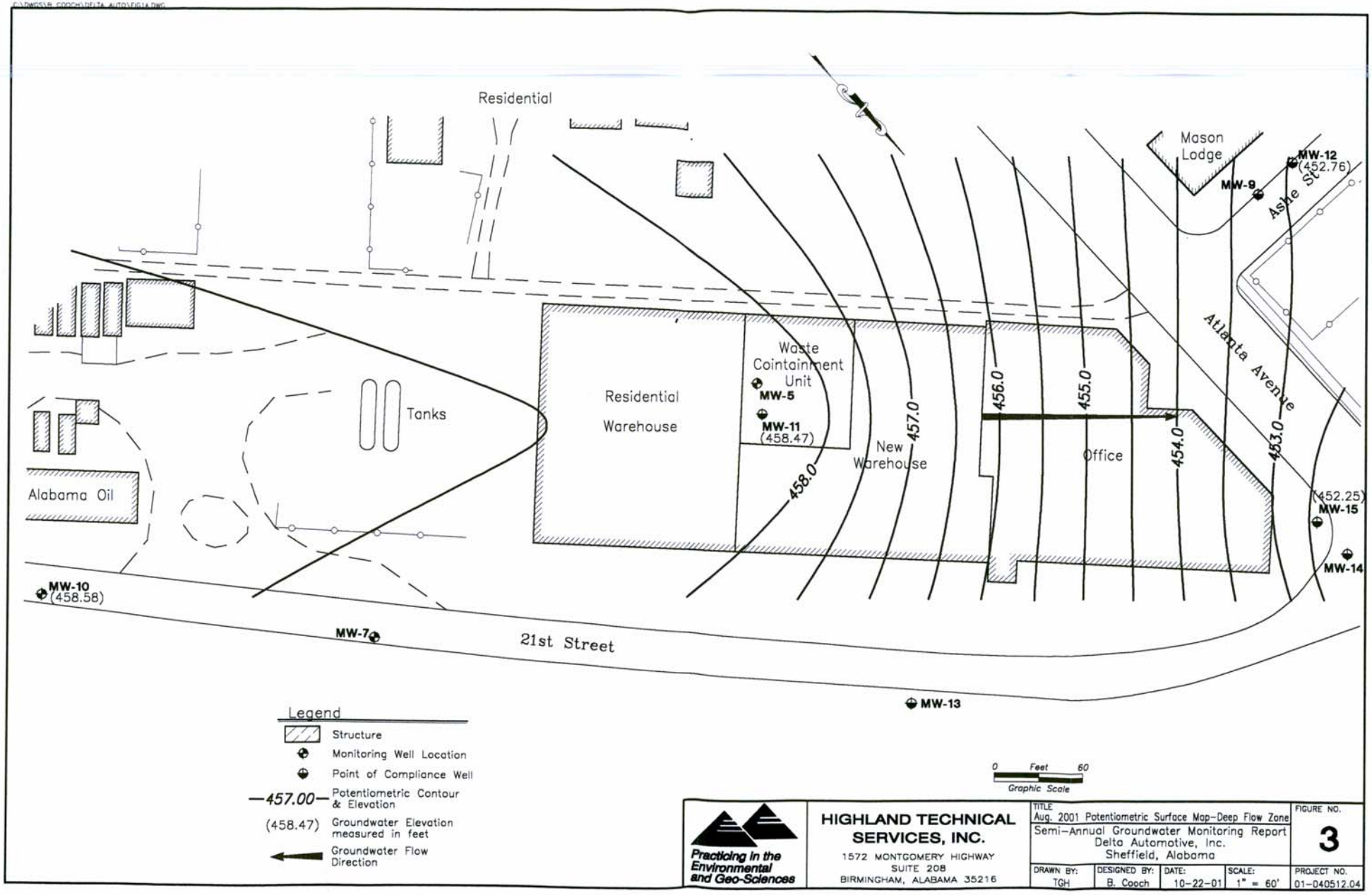
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HIGHLAND TECHNICAL SERVICES, INC.
1572 MONTGOMERY HIGHWAY
SUITE 208
BIRMINGHAM, ALABAMA 35216

TITLE: Aug. 2001 Potentiometric Surface Map–Shallow Flow Zone
Semi–Annual Groundwater Monitoring Report
Delta Automotive, Inc.
Sheffield, Alabama

FIGURE NO. 2

DRAWN BY:	DESIGNED BY:	DATE:	SCALE:	PROJECT NO.
TGH	B. Cooch	10–22–01	1" = 60'	01–040512.04



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HIGHLAND TECHNICAL SERVICES, INC.
1572 MONTGOMERY HIGHWAY
SUITE 208
BIRMINGHAM, ALABAMA 35216

TITLE: Aug. 2001 Potentiometric Surface Map–Deep Flow Zone
Semi–Annual Groundwater Monitoring Report
Delta Automotive, Inc.
Sheffield, Alabama

FIGURE NO. 3

DRAWN BY:	DESIGNED BY:	DATE:	SCALE:	PROJECT NO.
TGH	B. Cooch	10–22–01	1" = 60'	01–040512.04

Table 1 Monitoring Well Summary
Delta Automotive, Inc. Sheffield, Alabama

Well Number	Top of Riser (ft MSL)	Measured Total Depth*	Screened Interval	Well Construction Materials			
				Riser and Screen	Grout (ft bls)	Bentonite (ft bls)	Sand Pack (ft bls)
MW-5	500.41	60.94	40.5-60.5	PVC	0.0-30.5	30.5-33.5	33.5-60.5
MW-7	501.02	26.05	27.0-37.0	PVC	0.0-22.0	22.0-25.0	25.0-37.0
MW-9	496.81	40.92	31.0-41.0	PVC	0.0-26.0	26.0-28.0	28.0-41.0
MW-10	503.82	78.80	69.3-79.3	PVC	0.0-62.0	62.0-65.0	65.0-79.3
MW-11	500.42	123.85	115.8-125.8	PVC	0.0-105.2	105.2-110.1	110.1-125.8
MW-12	496.98	69.98	60.0-70.0	PVC	54.0-57.0	54.0-57.0	57.0-75.0
MW-13	498.27	39.84	20.0-40.0	PVC	0.0-17.0	17.0-18.0	18.0-40.0
MW-14	499.82	34.81	20.0-35.0	PVC	0.0-17.0	17.0-18.0	18.0-35.0
MW-15	499.40	141.13	122.0-142.0	PVC	0.0-119.0	119.0-120.0	120.0-142.0

* Measured initial total depth in feet below top of casing
ft bls = feet below land surface
ft MSL = feet above mean sea level

Table 2 Groundwater Analytical Parameters
Delta Automotive – Sheffield, Alabama

METHOD 6010

Aluminum
Arsenic
Barium
Cadmium
Chromium
Lead
Silver
Zinc

METHOD 9066

Phenol

METHOD 8260

Acetone
Benzene
n-Butylbenzene
t-Butylbenzene
Carbon Tetrachloride
Chloroethane
Chloroform
1-1-Dichloroethylene
1-1-Dichloroethane
1-2-Dichloroethane
cis-1,3-Dichloropropene
Ethylbenzene
Isopropylbenzene
n-Propylbenzene
1,1,1-Trichloroethane
1,1,2-Trichloroethane
Trichloroethene
1,2,4 Trimethylbenzene
Vinyl Chloride
Xylenes

Table 3 Summary of Groundwater Analytical Results
Delta Automotive – Sheffield, Alabama
Samples Collected August 29, 2001

Analytical Parameter	MW-7	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15
Aluminum	0.059	0.064	0.612	0.156	0.409	0.108	0.319	0.187
Arsenic	ND	ND	ND	ND	ND	ND	ND	ND
Barium	0.039	0.017	0.035	0.040	0.051	0.049	0.102	0.039
Cadmium	ND	ND	ND	0.001	ND	0.001	ND	ND
Chromium	ND	ND	0.005	0.008	0.012	0.009	0.007	ND
Lead	ND	ND	ND	ND	ND	ND	ND	ND
Silver	ND	ND	ND	ND	0.009	0.013	0.009	ND
Zinc	ND	ND	0.044	0.041	0.013	ND	ND	0.033
Phenol	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND
t-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND
1-1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND
1-1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND
1-2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4 Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND

Concentrations reported in parts per million (mg/l)
ND = Not Detected

Table 4 Groundwater Elevations
Delta Automotive, Inc. – Sheffield, Alabama
August 28, 2001

Monitoring Well Number	Measurement Date	Top of Casing Elevation	Depth to Water	Groundwater Elevation
MW-5	8/28/2001	502.39	45.97	456.42
MW-7	8/28/2001	501.02	14.24	486.78
MW-9	8/28/2001	496.81	16.45	480.36
MW-10	8/28/2001	503.82	45.24	458.58
MW-11	8/28/2001	501.78	43.31	458.47
MW-12	8/28/2001	496.98	44.22	452.76
MW-13	8/28/2001	498.27	20.58	477.69
MW-14	8/28/2001	499.82	21.26	478.56
MW-15	8/28/2001	499.40	47.15	452.25

Top of Casing elevations are referenced to an arbitrary benchmark of 500 feet.

Table 5 Temperature, pH and Specific Conductance
Delta Automotive, Inc. – Sheffield, Alabama
August 29, 2001

Monitoring Well Number	Temperature (Degrees Celsius)	pH Standard Units	Specific Conductance (Micromhos/cm)
MW-5	18.7	7.2	17
MW-7	14.9	7.9	11
MW-9	17.3	7.8	11
MW-10	15.8	7.9	33
MW-11	19.1	6.7	41
MW-12	17.9	7.8	32
MW-13	15.0	7.3	13
MW-14	15.8	6.7	30
MW-15	16.7	6.9	47

HIGHLAND TECHNICAL SERVICES, INC. *Practicing in the Environmental and Geo-Sciences*
528 Mineral Trace • Hoover, Alabama 35244 • (205) 985-4874 • Fax (205) 987-6080

March 4, 2004

VIA HAND DELIVERY

Alabama Department of
Environmental Management
Post Office Box 301463
Montgomery, Alabama 36130-1463

Attention: Mr. Tim Thompson
Hazardous Waste Branch



SUBJECT
Additional Soil Investigation
Delta Automotive, Inc.
EPA ID No.: ALD 982 123 127
Project No.: 04-040512.05

Dear Mr. Thompson:

On behalf of Delta Automotive, Highland Technical Services, Inc. is submitting three copies of the *Additional Soil Investigation Report*. The Report was completed in response to ADEM's June 12, 2003 letter to Delta requesting additional investigation for Arsenic concentrations detected in soil.

Highland Technical Services, Inc. appreciates your consideration in this matter. If you have any questions concerning the enclosed report or require any additional information, please contact our office at (205) 985-4874.

Sincerely,
HIGHLAND TECHNICAL SERVICES, INC.

William W. Cooch, C.P.G., P.G.
Principal Geologist

enclosures

cc: Lonnie Wright, Delta Automotive, Inc.

ADDITIONAL SOIL INVESTIGATION

DELTA AUTOMOTIVE, INC.
SHEFFIELD, ALABAMA
EPA ID NO.: ALD 982 123 127
PROJECT NO.: 04-040512.05

Prepared for:

Delta Automotive, Inc.
103 South Atlanta Avenue
Sheffield, Alabama 36660

February 28, 2004

Prepared by:

Highland Technical Services, Inc.
528 Mineral Trace
Birmingham, Alabama 35244
Phone (205) 985-4874 Fax (205) 987-6080

Scott S. Stringer
Staff Engineer

William W. Cooch, C.P.G., P.G.
Principal Geologist

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FIGURES

Figure 1 Vicinity Map
Figure 2 Site and Boring Location Plan

APENDICES

Appendix A Laboratory Analytical Data and Chain of Custody
Appendix B Wilcoxon-Rank Sum Statistical Analysis

CERTIFICATION

"I certify under penalty of law that this document and all attachments were prepared by Highland Technical Services, Inc. at my request according to a system designed to assure that qualified personnel properly gathered and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted, is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Benjamin F Law
Benjamin Law
Owner

March 1, 2004
Date

1.0 GENERAL HISTORY

1.1 PROJECT BACKGROUND

In October 2001, Highland Technical Services, Inc. (HTSI) completed confirmatory soil sampling activities associated with Solid Waste Management (SWMU) 12 at the Delta Automotive (Delta) facility in Sheffield, Alabama. This Confirmatory Sampling (CS) effort was conducted in accordance with the requirements of Post Closure Permit ALD 982 123 127 issued to the facility on April 2, 2001.

On August 29, 2001, shallow soil samples were collected from the area beneath SWMU 12 (former spent mineral spirits drum storage area). The area of concern was divided into four quarters of equal surface area and a total of eight composite soil samples, representative of two discrete depth intervals from each grid area, were collected for analysis as part of this investigation. Each of the composite soil samples collected during the August 2001 investigation was analyzed for Volatile Organic Compounds (VOCs) using Environmental Protection Agency (EPA) Method 8260 and Total RCRA Metals using EPA Methods 6010B and 7471. The detected concentrations of the target parameters were compared to the *U.S. EPA Soil Screening Guidance; User's Guide – Appendix A Generic Screening Levels* (SSLs) for Migration to Groundwater using a Dilution Attenuation Factor (DAF) of 20. The use of the DAF 20 concentration limit is based on the estimate that the source area of contamination at SWMU 12 is less than 0.5 acres in size. Based on the findings of the laboratory analysis, HTSI concluded that the detected concentrations of the target parameters did not exceed their respective SSLs and, therefore, would not be expected to adversely impact groundwater beneath the site.

In a letter dated June 12, 2003 from the Alabama Department of Environmental Management (ADEM) to Delta, the ADEM requested that Delta perform additional soil sampling for the purpose of establishing onsite background concentrations of Arsenic in soils near the Delta facility. Per the ADEM's request, HTSI conducted an Additional Soil Investigation (ASI) during the scheduled August 2003 groundwater-monitoring event for the Delta facility.

The investigational activities presented in this report were performed in accordance with: 1) the most recent version of the *Alabama Environmental Investigation and Remediation Guidance*

(AEIRG); 2) the *USEPA Region IV Environmental Investigations Standard Operating Procedures and Quality Assurance Manual* (SOPQAM); and, 3) Division 14 of the ADEM Administrative Code.

1.2 GENERAL FACILITY DESCRIPTION

Delta is located at 103 South Atlanta Avenue, Sheffield, Colbert County, Alabama. The site is situated approximately in the Northwest ¼ of Section 33, Township 3 South and Range 11 West. The site is bounded on the north, east, and west by commercial property and bounded to the south by commercial and residential properties (Figure 1). Presently, the Delta facility is a shipping and receiving facility for transmission parts.

2.0 SITE GEOLOGY AND HYDROGEOLOGY

The site is situated within the Tennessee Valley area of the Interior Low Plateaus Physiographic Province of north Alabama. The site is immediately underlain by the Tuscumbia Limestone of Mississippian Age. The Tuscumbia Limestone is typically comprised of light gray, partly oolitic (near the top), fine to very coarse-grained bioclastic limestone (crinoidal limestone is common). The Tuscumbia also contains light gray chert nodules and concretions. It ranges up to 200 feet in thickness. The limestone is infrequently exposed in outcrop, those localities being primarily sinkholes and road cuts.

The Tuscumbia Limestone is underlain by the Fort Payne Chert, which is comprised of very light- to light-gray thin- to thick-bedded fine- to coarse-grained bioclastic limestone with chert. The upper portion of the formation consists of light bluish-gray laminated vuggy siltstone, interbedded with medium greenish-gray shale, shaly limestone, siltstone and chert. The apparent thickness of the Fort Payne Chert varies with differential dissolution of the carbonate. At the base of the Fort Payne Chert is the Maury Shale, a light olive-gray siltstone which is mapped with the Fort Payne Chert.

The Tuscumbia Limestone and underlying Fort Payne Chert, where both formations are present, are in hydraulic communication and are referred to as the Tuscumbia-Fort Payne aquifer. The Tuscumbia-Fort Payne is an excellent aquifer, capable of supplying large quantities of water to wells and springs. The flow of Tuscumbia Spring has been measured at

62 million gallons per day (MGD). Groundwater flow is controlled by secondary porosity, occurring primarily through solution openings and solution-enlarged bedding planes and joints. The Tuscumbia-Fort Payne aquifer beneath the site is characterized by a shallow flow zone and a deep flow zone.

The Tuscumbia Limestone is associated with sinkholes. Numerous sinkholes can be observed on the USGS topographic quadrangles *Sheffield and Tuscumbia, Alabama* (Figure 1). A sinkhole that has a diameter of approximately one-half mile is located adjacent to the southern and western property boundaries of the site. Another sinkhole is located approximately 500 feet east of the property, and numerous other sinkholes are located within a one-mile radius of the site. Several of these sinkholes are located at or adjacent to other industrial facilities.

The Tuscumbia Limestone, which most immediately underlies the site and from which site soils have been derived, weathers to a reddish-brown residual soil generally 20 to 40 feet thick. At some locations, the clay soils act as an impervious cap over solution openings in the underlying Tuscumbia-Fort Payne aquifer system. As observed during site drilling, the native soil consists of chert-fragment-rich plastic clay.

The site is very level, with immediate surface water drainage toward the south and southwest. Water-level measurements obtained from site monitoring wells show that groundwater flow in the shallow flow zone is overall to the northwest (Figures 2 and 3). Groundwater flow in the deep Tuscumbia-Fort Payne aquifer flow zone appears to be also generally to the northwest (Figures 4 and 5). Regional surface and groundwater flow is ultimately towards Pickwick Lake, located to the north and west, slightly more than a mile from the site.

There is no residential use of groundwater in the Sheffield, Alabama area. The Sheffield area derives its public water supply from Pickwick Lake, at a pumping station located about 2.3 miles downstream from the O'Neal Bridge.

3.0 SOIL SAMPLING AND ANALYSIS

3.1 SAMPLING EQUIPMENT

Sampling equipment was decontaminated prior to use and between sampling locations. Decontamination of non-disposable equipment was conducted by steam cleaning, followed by

washing with distilled water and laboratory grade detergent wash, and finally rinsing with distilled water.

3.2 SOIL SAMPLING

A total of four soil samples were collected from the upper one foot of the soil column using a hand auger at the approximate sample locations identified in Figure 2. All samples were collected following EPA recommended methods in an effort to preserve sample integrity. All soil samples were handled and/or collected using disposable nitrile gloves and/or decontaminated or disposable sampling tools. A discussion of sample custody procedures utilized during this ASI is provided in Section 3.3 below.

3.3 SAMPLE CUSTODY

Sample handling procedures, including sample containers and preservation, labeling, field documentation, sample shipping, and sample custody are discussed in this section. Each sample was tracked from the time of collection by extensive paperwork that was completed during sampling and includes the following, as appropriate: 1) field documentation; 2) sampling field data sheet; 3) chain of custody report; and, 4) sample label register.

All samples were containerized in laboratory provided containers and preserved in a manner appropriate to the analytical method requested. Sample containers were stored in a clean, secured area prior to use. Containerized samples were labeled as collected and placed in thermally insulated chests with coolant to keep the samples cooled at 4° Celsius until delivery to the analytical laboratory.

Sample labels were filled out and affixed to appropriate containers immediately prior to or following sample collection, as appropriate. The label was filled out in indelible ink and included the following information on the portion affixed to the sample location: 1) sample I.D. number; 2) analyses requested; 3) project name, date, sample depth interval; and, 4) sample location number.

The field data recorded at the time of sample collection provided an unambiguous identification of each sample. These field data were recorded in a bound daily record book. Field notes were as

descriptive and inclusive as possible, and at a minimum included the following:

- date and time of sampling
- name(s) of field personnel conducting sampling
- description of sample point
- number and size(s) of sample(s) taken
- field sample identification number(s)
- deviation from sampling plan, if any
- field observations
- references (such as maps) of sampling site
- sample handling and shipping information.

Sample handling and shipping procedures assured that samples were properly preserved, protected, and secured until delivered to the analytical laboratory. After sample containers were labeled, they were wrapped with clear packaging tape to protect sample labels from potential moisture damage. Ice was sealed in plastic bags and placed on top of samples in order to maintain an optimum temperature of 4° Celsius until the samples were delivered to the analytical laboratory. Any remaining void space in the ice chest was filled with appropriate packing material. An appropriate freight (shipment) bill of laden form was completed and the freight bill number was recorded on the Chain of Custody accompanying each ice chest. The Chain of Custody was sealed in a plastic bag and taped to the under side of the ice chest lid. The ice chests were sealed with filament tape on the ice chest lid to prevent any tampering during handling and shipping.

Sample custody documentation procedures from the time of sample collection through the time of laboratory analysis are discussed in this section. Sample custody records were maintained through the following activities:

- initial sample collection;
- transportation from sample collection site to analytical laboratory;
- receipt and preparation of laboratory sample extracts and digestives;
- storage at laboratory until an evaluation of analytical results;
- final sample disposition.

At the time of sample collection, samples were labeled and a record of the sampling activity was



recorded in the daily field log. Sample labeling procedures were discussed previously. Information required to identify sample custody and to request sample analyses were then entered on the Chain of Custody. The information was recorded on the Chain of Custody and included:

- project name and number;
- sampler's name and signature;
- sample identification numbers;
- sample date, time, and location;
- requested analyses;
- sample container type and quantity;
- requested analytical turnaround time; and
- person to receive results and their telephone number to call in case problems arise.

Samples were prepared for shipment to the analytical laboratory as described herein. Samples were hand delivered or shipped via priority overnight service. The appropriate air bill number for each shipment was recorded on the Chain of Custody and the Chain of Custody was placed in the shipping container with the associated samples to accompany the samples to the analytical laboratory.

3.4 SAMPLE ANALYSIS

Soil samples collected during this ASI were delivered via overnight courier to Test America in Nashville, Tennessee for analysis. The soil samples were analyzed for Arsenic using EPA Method 6010B:

4.0 INVESTIGATIVE ACTIVITIES

4.1 CONFIRMATORY SAMPLING AND ANALYSIS

This investigation was completed by advancing a total of 4 soil borings (S-1 through S-4) from various locations along the perimeter of the subject property at the approximate locations shown in Figure 2. The boring locations were determined by choosing one accessible sample location, at or near the Delta property line, on each of the four main sides of the facility.



A total of four soil samples were collected from the upper one foot of the soil column using a hand auger. All sampling equipment was properly decontaminated prior to use, and between boring and sampling locations as discussed Section 3.0 of this Report.

Soil samples from each sample location were collected as grab samples and placed in laboratory provided containers. The samples were properly labeled and placed in coolers to maintain the samples at a temperature of 4° Celsius and shipped via overnight courier under proper chain of custody to Test America in Nashville, Tennessee for analysis. Each of the samples was analyzed for Arsenic using the EPA Method 6010B. Sample handling and analysis are discussed in detail in Section 3.0 of this Report.

5.0 ANALYTICAL RESULTS

Arsenic concentrations detected during laboratory analysis of samples collected from the four boring locations were compared to the currently published EPA Region IX Preliminary Remediation Goals (PRGs) for "*Direct Contact Exposure Pathways*" of Arsenic (non-cancer endpoint) in residential soil for establishing onsite background concentrations of Arsenic. Laboratory analysis of samples collected during the ASI are provided in Table 5.1 below. Laboratory analytical results and chain of custody are provided in Appendix A. Laboratory analytical results for Arsenic in samples collected during the August 2001 CS investigation at the Delta facility are included in Table 5.2.

TABLE 5.1. LABORATORY ANALYTICAL RESULTS - CONFIRMATION SAMPLES AUGUST 2003

Sample ID	Sample Result, Arsenic Analysis	Exceeds PRG[1]
S-1	6.34	No
S-2	10.5	No
S-3	11.1	No
S-4	10.3	No

All concentrations reported in milligrams/kilogram (mg/kg).
1 Arsenic PRG= 22 mg/kg

TABLE 5.2. LABORATORY ANALYTICAL RESULTS - CONFIRMATION SAMPLES AUGUST 2001

Sample ID	Sample Result, Arsenic Analysis	Exceeds PRG[1]
SS-1A	5.84	No
SS-1B	6.98	No
SS-2A	7.77	No
SS-2B	5.76	No
SS-3A	6.51	No
SS-3B	6.97	No
SS-4A	6.84	No
SS-4B	6.50	No

All concentrations reported in milligrams/kilogram (mg/kg).
1 Arsenic PRG= 22 mg/kg

5.3 SUMMARY

Review of the laboratory analytical results for samples collected from borings S-1 through S-4 advanced at the Delta facility indicated that all samples had detectable concentrations of Arsenic. The detected Arsenic concentrations are below the Arsenic PRG in residential soil of 22 mg/kg.

6.0 STATISTICAL ANALYSIS

Delta Automotive analyzed background concentrations of Arsenic in soil to determine if Arsenic at this site is elevated over background levels. Statistical analysis was used to analyze background versus site-specific Arsenic levels and based upon information provided in US EPA Guidance 540-R-01-003 "Guidance for Comparing Background and Chemical Concentrations in Soil for CERCLA Sites", September 2002.

6.1 BACKGROUND REFERENCE AREA

The background reference area is the area where background samples were collected for comparison with the samples collected at SWMU 12 during August 2001. The August 2003 background sample area (S-1, S-2, S-3, and S-4) has the same physical, chemical, geological, and biological characteristics as the area being investigated, but has not been affected by activities on the site. The US EPA Risk Assessment Guidance for Superfund (RAGS) states that, "...the locations of the background samples must be areas that could not have received contamination from the site, but that do have the same basic characteristics as the medium of concern at the site".



Based on thorough evaluation of the referenced guidance, the background reference area was located as presented in Figure 2. The background reference area was chosen to represent the same distribution of concentrations of the chemicals of concern as those which would be expected on the site if the site had never been impacted.

6.2 BACKGROUND COMPARISON METHOD

Based on the "Guidance for Comparing Background and Chemical Concentrations in Soil for CERCLA Sites", September 2002, the Wilcoxon Rank Sum (WRS) test was used for background comparisons. The WRS test is a nonparametric test used for determining whether a difference exists between site and background population distributions. The WRS tests whether measurements from one population tend to be larger (or smaller) than those from the other population. This test determines which distribution is higher by comparing the relative ranks of the two data sets when the data from both sources are sorted into a single list. One assumes that any difference between the background and site concentration distributions is due to a shift in the site concentrations to higher values (due to the presence of contamination in addition to background).

Two assumptions underlying this test are: 1) samples from the background and site are independent, identically distributed random samples, and 2) each measurement is independent of every other measurement, regardless of the set of samples from which it came. The test assumes also that the distributions of the two populations are identical in shape (variance), although the distributions need not be symmetric.

The WRS test has three advantages for background comparisons: 1) The two data sets are not required to be from a known type of distribution. The WRS test does not assume that the data are normally or log-normally distributed, although a normal distribution approximation often is used to determine the critical value for the test for large sample sizes. 2) It allows for non-detect measurements to be present in both data sets. The WRS test can handle a moderate number of non-detect values in either or both data sets by treating them as ties. Theoretically, the WRS test can be used with up to 40 percent or more non-detect measurements in either the background or the site data. 3) It is robust with respect to outliers (i.e. artificially elevated values) because the analysis is conducted in terms of ranks of the data. This limits the

influence of outliers because a given data point can be no more extreme than the first or last rank.

The August 2003 background analytical results (S-1 through S-4) were compared to individual detected concentrations of Arsenic detected in soil samples collected during the August 2001 investigation (SS-1A through SS-4B). The WRS comparisons of background Arsenic concentrations to individual Arsenic levels detected at SWMU 12 are provided in Appendix B.

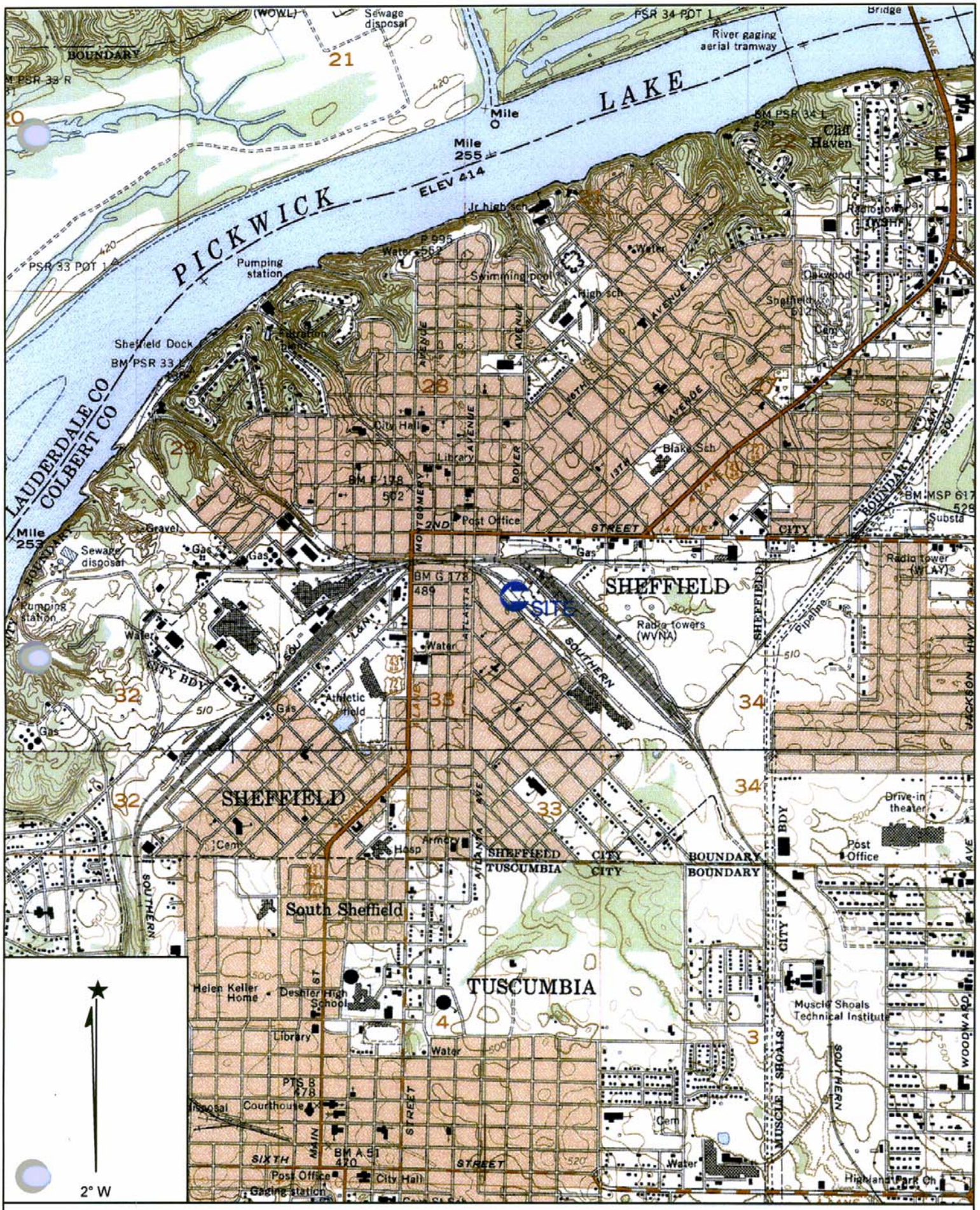
6.3 STATISTICAL ANALYSIS RESULTS

Review of statistical comparisons of Arsenic levels in soil indicates that no statistically significant increases were present for Arsenic when compared to background levels. The soil and groundwater statistical data both indicate that the Arsenic levels in soil and groundwater are the result of naturally occurring or background concentrations. The results of the soil statistical comparisons are similar to the results for the groundwater statistical analysis conducted for semi-annual groundwater monitoring events, which also indicate Arsenic concentrations are at background or naturally occurring levels. The results of the WRS statistical comparisons are included in Appendix B.

7.0 CONCLUSIONS AND RECOMMENDATIONS

The ADEM requested that Delta perform additional soil sampling for the purpose of establishing onsite background concentrations of Arsenic in soils near the Delta facility. Per the ADEM's request, HTSI conducted this ASI during the scheduled August 2003 groundwater-monitoring event for the Delta facility. This ASI and statistical comparisons have determined that detectable levels of Arsenic found in soil samples collected at the perimeter of the Delta property appear to be consistent with Arsenic levels detected in soil samples collected from SWMU 12 in August 2001. The detected Arsenic concentrations are below the Arsenic USEPA Region IX PRG for residential soil of 22 mg/kg. Based on information obtained in this ASI, and information obtained in the August 2001 CS investigation, HTSI is of the opinion that low concentrations of naturally-occurring Arsenic are present in subsurface soils in and around the vicinity of the Delta facility.

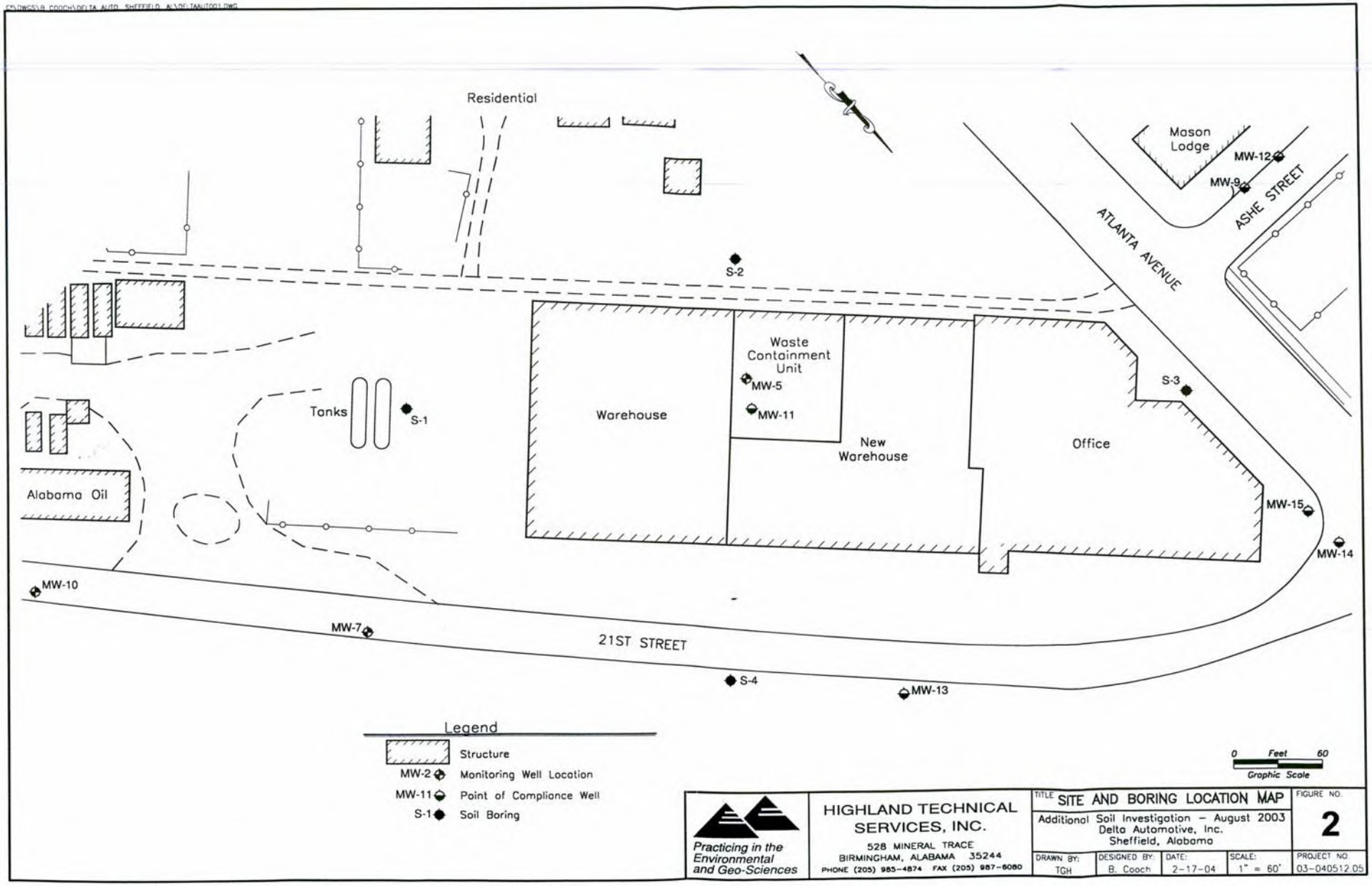




Name: FLORENCE
Date: 2/27/2004
Scale: 1 inch equals 2000 feet

Location: 034° 45' 23.3" N 087° 41' 39.2" W
Caption: Figure 1. Site Location
Delta Automotive
Sheffield, Alabama

Copyright (C) 1997, Maptech, Inc.



Practicing in the Environmental and Geo-Sciences

HIGHLAND TECHNICAL SERVICES, INC.
528 MINERAL TRACE
BIRMINGHAM, ALABAMA 35244
PHONE (205) 985-4874 FAX (205) 987-6080

TITLE: SITE AND BORING LOCATION MAP
Additional Soil Investigation – August 2003
Delta Automotive, Inc.
Sheffield, Alabama

FIGURE NO. 2

DRAWN BY:	DESIGNED BY:	DATE:	SCALE:	PROJECT NO.
TGH	B. Cooch	2-17-04	1" = 60'	03-040512.05

ONIS "TREY" GLENN, III
DIRECTOR

BOB RILEY
GOVERNOR

Alabama Department of Environmental Management
adem.alabama.gov
1400 Coliseum Blvd. 36110-2059 • Post Office Box 301463
Montgomery, Alabama 36130-1463
(334) 271-7700
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October 18, 2007

MEMORANDUM

To: Vernon H. Crockett, Chief
Engineering Services Section
Waste Programs Branch

From: Kristen Alston
Engineering Services Section
Waste Programs Branch

Subject: SWMU 12 Confirmatory Sampling Report
Delta Automotive, Inc.
USEPA ID Number ALD 982 123 127

On April 2, 2001, Delta was issued a post-closure permit for maintenance of a closed landfill and groundwater monitoring. Delta's permit includes a requirement to perform confirmatory sampling at SWMU 12 (Former Mineral Spirits Drum Storage Area). A review of the file showed that the documents required to fulfill this requirement have been submitted to the Department. Review of Confirmatory Sampling Solid Waste Management Unit 12, dated June 12, 2001, and Additional Soil Investigation, dated March 4, 2004, indicated that levels of constituents observed in the area of SWMU 12 are below the screening value of two times the background value. The facility has therefore completed the requirement to perform confirmatory sampling for SWMU 12 and no further action is warranted for this unit at this time.

KA/set:Z:

Birmingham Branch
110 Vulcan Road
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(205) 942-6168
(205) 941-1603 (Fax)

Decatur Branch
2715 Sandlin Road, S.W.
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(256) 353-1713
(256) 340-9359 (Fax)

Mobile Branch
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(251) 450-3400
(251) 479-2593 (Fax)

Mobile - Coastal
4171 Commanders Drive
Mobile, AL 36615-1421
(251) 432-6533
(251) 432-6598 (Fax)

Pre-CERCLIS Screening Assessment
Delta Automotive, Inc.

103 South Atlanta Avenue
Sheffield, Colbert County, Alabama

Prepared By:
Environmental Services Branch

Alabama CERCLA PA/SI Program
Status EO Fiscal Year 2009
Friday Oct. 2, 2009

SEE NOTES ON REVERSE

No.	Type Report	Site Name	Report Date (in to EPA)	CERCLIS Decision Date	Decision
1	PreCERCLIS	Collett Ventures	12-12	01-15	NVSI*
2	PreCERCLIS	Broad Wheels Company Inc	09-01	09-09	NVSI
3	PreCERCLIS	Peavey Electronics Corp Plant 20	08-21	09-30	NVSI
4	PreCERCLIS	Delta Automotive Inc.	09-09	09-29	NVSI
5	PreCERCLIS with Samples	H & R Depot	09-30	09-30	NVSI (1)
6	P.A.	Rawhide Mobile Homes	03-23	06-23	L-Needs SI (2)
7	P.A.	Biological Processors of Alabama Inc.	09-29	09-30	NFRAP (3)
8	P.A.	US Highway 25 / Bennie Davis Site	09-29	09-30	NFRAP (4)
9	S.I.	Peterbilt of Montgomery	09-21	09-28	NFRAP
10	S.I.	Rebuilt Auto Paint & Body	03-31	06-23	NFRAP (5)
11	Reassessment	Stevenson Street Foundry	02-17	06-22	NFRAP
12	Reassessment	Foundry of the Shoals	02-18	06-23	NFRAP
13	Reassessment	Phillies Cigar Company	03-05	06-22	NFRAP *FAD*
14	Reassessment	Emerson Electric Co/Chromalox	03-09	06-22	NFRAP *FAD*
15	Reassessment	Sims Chapel Woodtreater	09-09	09-29	Refer>Rmvl-NFRAP *FAD*
16	Reassessment	Westpoint Stevens - Greenville	09-15	09-29	NFRAP *FAD*
17	Reassessment	Pacific Molasses Co., PM Ag Products	09-10	09-28	NFRAP
18	Reassessment	Jim Norman Junkyard	03-16	06-22	Refer to Removal - NFRAP
19	Reassessment	Lilly Industrial Coatings Inc.	09-10	09-28	NFRAP
20	Reassessment	Gerald Metals	08-11	09-28	NFRAP (6)
21	Reassessment	Hager Hinge	09-10	09-29	NFRAP
22	Reassessment	Vulcan Engineering	09-15	09-29	NFRAP
23	Reassessment	Arab Plating Co	09-28	09-30	NFRAP
24	Reassessment	Union Foundry Landfill	09-29	09-30	NFRAP
25	Reassessment	Fuels and Chemicals	09-01	09-28	NFRAP
26	Reassessment	Alabama Plating Co. Satellite Site	07-27	09-28	NFRAP
27	Reassessment	Aero M (aka AeroVox)	09-25	09-28	Low Pri. for Furth. Assmt.
28	Reassessment	White Pole & Timber	09-17	09-29	NFRAP

PRE-CERCLIS SCREENING ASSESSMENT CHECKLIST/DECISION FORM

This checklist can assist the site investigator during the Pre-CERCLIS screening. It will be used to determine whether further steps in the site investigation process are required under CERCLA. Use additional sheets, if necessary.

Checklist Preparer: Bonnie L. Temple, ESS (Name/Title) — August 28, 2009 (Date)
1400 Coliseum Boulevard, Montgomery, AL (Address) — 334 271-7703 (Phone)
blt@adem.state.al.us (E-Mail Address)

Site Name: Delta Automotive, Inc.Site

Previous Names (if any):

Site Location: 103 South Atlanta Avenue (Street)
Sheffield (City), AL (ST) 35630 - (Zip)

Latitude: 34° 45' 26.5" North Latitude **Longitude:** 87° 41' 40.3" West Longitude

Complete the following checklist. If "yes" is marked, please explain below.

	YES	NO
1. Does the site already appear in CERCLIS?		X~
2. Is the release from products that are part of the structure of, and result in exposure within, residential buildings or businesses or community structures?	X	
3. Does the site consist of a release of a naturally occurring substance in its unaltered form, or altered solely through naturally occurring processes or phenomena, from a location where it is naturally found?	~	X
4. Is the release into a public or private drinking water supply due to deterioration of the system through ordinary use?	~	X
5. Is some other program actively involved with the site (i.e., another Federal, State, or Tribal program)?	X	~
6. Are the hazardous substances potentially released at the site regulated under a statutory exclusion (i.e., petroleum, natural gas, natural gas liquids, synthetic gas usable for fuel, normal application of fertilizer, release located in a workplace, naturally occurring, or regulated by the NRC, UMTRCA, or OSHA)?	~	X
7. Are the hazardous substances potentially released at the site excluded by policy considerations (e.g., deferral to RCRA Corrective Action)?	~	X
8. Is there sufficient documentation that clearly demonstrates that there is no potential for a release that could cause adverse environmental or human health impacts (e.g., comprehensive remedial investigation equivalent data showing no release above ARARs, completed removal action, documentation showing that no hazardous substance releases have occurred, EPA approved risk assessment completed)?	~	X

Please explain all "yes" answer(s), attach additional sheets if necessary:

2. The storage of drums and hazardous wastes between buildings have resulted in a release to soil and groundwater. Currently the landfill is capped and under a building.

5. The RCRA program certified closure of the landfill, but and groundwater monitoring was still to be conducted at the site. Site is inactive but empty at present.

Site Determination: Enter the site into CERCLIS. Further assessment is recommended (explain below).

X The site is not recommended for placement into CERCLIS (explain below).

DECISION/DISCUSSION/RATIONALE:
The site is an inactive RCRA facility that has operated as a cabinet shop, a lumber dealer, a surplus auto parts store, and an automobile parts remanufacturer. Due to the improper storage of hazardous wastes in drums, tanks, and piles about the area, the soil and groundwater became contaminated. The current site sits on 1.47 acres nestled between South Atlanta Avenue and East 21st Street. A Consent Order was issued to Delta Automotive, Inc. in 1992, requiring the company to conduct removal activities for the hazardous waste. In accordance with the RCRA closure requirements, the contaminated soil was capped and that cap is currently being maintained. The groundwater monitoring program was not completed. The potential for impact from the Site to the groundwater, drinking water intake Big Spring, is nominal, but there does not appear to be an impact to drinking water from the Tennessee River. The Assessment Section recommends that Delta Automotive, Inc. be referred to the RCRA program in order to complete the groundwater monitoring phase required by the order. That being the case, no further action is planned regarding the CERCLA program. However, if there is no RCRA owner/operator found to complete requirements of the Order, the site could revert back to a CERCLA responsibility.

Regional EPA Reviewer: _____ _____

Print Name/Signature Date

State Agency/Tribe: _____ _____

Print Name/Signature Date

Site Latitude / Longitude Data Collection
Pre-CERCLIS Assessment
Delta Automotive, Inc. Site
Sheffield, Colbert County Alabama

Latitude	North 34° 45' 26.5 deg
Longitude	West 87° 41' 40.3 deg
Point Represents	Northwest corner of site
Source Map Scale	N/A - map not used (GPS unit used)
Accuracy (meters + / -) (Std. Dev.)	
Collection Method	GPS - Code (Pseudo Range) Differential Position
Reference Datum	NAD83
Collection Date	April 20, 2009

ONIS "TREY" GLENN, III
DIRECTOR

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GOVERNOR

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Montgomery, Alabama 36130-1463
(334) 271-7700
FAX (334) 271-7950

September 9, 2009

Ralph O. Howard, Jr., P.G.
Remedial Project Manager,
US Environmental Protection Agency, Region 4
61 Forsyth Street SW
Atlanta, Georgia 30303

RE: Pre-CERCIS Screening Assessment
Delta Automotive, Inc. Site
ALD 982 123 127

Dear Mr. Howard:

In accordance with our grant commitment, ADEM personnel performed a Pre-CERCLIS Screening Assessment of the Delta Automotive, Inc. Site in Sheffield, Colbert County, Alabama on April 20, 2009. Briefly, the site is an inactive automotive manufacturing facility. There is documented groundwater contamination due to staging of drums and piles of hazardous materials on the ground. A cap had been placed over the onsite landfill and groundwater monitoring had been required. A Certificate of Closure has been given for the landfill. Groundwater monitoring was to be continued.

The site reassessment was performed to clarify past activities and ascertain whether targets or circumstances have changed significantly, and, by use of the Quickscore software, to determine whether or not this site should to proceed further in the CERCLA process.

If you have any questions concerning this reassessment, please contact Bonnie L. Temple, at 334 271-7703.

Sincerely,

G. Dave Davis, Chief
Assessment Section
Environmental Services Branch

GDD/blt
Attachments

Birmingham Branch
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2	SERCC Average Daily Extremes, Precipitation
3	Colbert Tax Assessor Information
4	1998 Certificate of Closure
5	Law's History of Property 3/30/1998
6	2000 Final RCRA Facility Assessment Report
7	Letter from Ben Law 3/2/2005
8	AHWMMA Post-Closure Permit Modification Letter 12/22/2004
9	ADEM Memorandum 9/16/2005
10	Communication with Bral Property 2009
11	Trip Memorandum 10/2/2003
12	NOV 5/16/1989
13	Press Release 8/18/92
14	Pictorial File 5/30/1990
15	ADEM Administrative Order No. 92-158-HW
16	Hazardous Waste Facility Permit
17	Land Closure Certification 10/16/98
18	SWMU 12 Confirmatory Sampling Report 10/18/2007
19	SDWIS Drinking Water Information
20	FEMA Floodplain Map
21	TerraServer-USA, © 2004 Microsoft Corporation, Site map for Foley, Alabama, February 17, 1997.
22	Endangered Species List/Bald Eagle Rule
23	2000 CENSUS

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1	Target Map/7.5 Minute Topographic Quadrangle Map
2	Trip Report, April 7 and 20, 2009
3	Hydrogeologic Report

Alabama Department of Environmental Management

Pre-CERCLIS Screening Assessment
Former Delta Automotive Inc. Site
Colbert County, Alabama

1. INTRODUCTION

Under authority of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA), the Superfund Amendments and Reauthorization Act of 1986, and a cooperative agreement between the United States Environmental Protection Agency (EPA) and the Alabama Department of Environmental Management (ADEM), a Pre-CERCLIS Screening Assessment (PSA) was conducted at the Former Delta Automotive, Inc. Site located at 103 South Atlanta Avenue, Sheffield, Colbert County, Alabama (Site) (Attachment 1; Reference 1). The purpose of this assessment was to collect information concerning conditions at the site sufficient to assess the threat posed to human health and the environment and to determine the need for additional investigation under CERCLA. The scope of the investigation included a review of available file information, a comprehensive target survey, offsite and onsite reconnaissance, and analysis by the use of the Quickscore software.

2. SITE DESCRIPTION AND OPERATIONAL HISTORY

2.1 Location

The Site is located at 103 South Atlanta Avenue in Sheffield, Colbert County, Alabama (Figure 1; Ref. 1, Att. 1). The latitude and longitude determined by Global Positioning System is 34° 45' 26.5" north latitude and 87° 41' 40.3" west longitude. (Att. 2).

Colbert County is characterized as temperate with a mild humid climate. The average temperature during the summer is 79.9°F, and during the winter is 39.8°F. The average annual temperature is about 65.8°F with an average annual rainfall of 51.95 inches. The net precipitation for the area is less than 10 inches annually. About 24 inches of the 51.95 inches of rain per year runs off into the streams. The annual 1-Day Maximum precipitation is 6.12 inches (Ref. 2; Att. 3).

2.2 Site Description

The Site sits on 1.47 acres nestled between South Atlanta Avenue and East 21st Street (Figs. 2, 3, 4; Ref. 3; Att. 2 Photos 2, 7). The facility is bordered on the east and north by 21st Street and an intermittent drainage ditch (Photos 2, 4, 5, 6 and 7). South Atlanta Avenue bordered the Site on the northwest with an undeveloped road and residences along the west and southwest sides (Photos 2, 3, 11 and 12). The Exxon tank storage facility was located to the south (Photo 9). The flow for the drainage ditch appears to be northwest toward the Tennessee River. (Att. 2)

2.3 Operational History

The Parcel Number for the property is 07-08-33-1-007-001.000 and is comprised of Lots 1 through 10 on Block 328 in Sheffield, Alabama (Refs. 3, 4). The original owner/operator, Whitfield Lumber Company, operated a woodworking and cabinet shop between 1914 and late 1960's. The next owner/operator was Das Borden Company who operated as a lumber dealer from the late 1960's through 1970. Mr. Charles Burns leased the property for several years for use as a surplus auto parts store. Mr. Ben Law, owner/operator of Delta Automotive, Inc, bought the Site in October 1971 and operated as an automobile parts remanufacturer. (Ref. 5)

No ADEM records could be located for the years 1970 through 1989, but a detailed summary of activity and site maps can be found in the Final RCRA Facility Assessment Report completed in 2000 (Ref. 6 pp. 18-37, Fig. 3-8, Photographs 1-21). On November 10, 2004, M & F Credit Company foreclosed on the assets of Delta Automotive, Inc. (Ref. 7). Whatever It Takes Transmissions and Parts, Inc. bought the Delta assets and operated at the Site (Refs. 8, 9) and Mr. Law retained ownership of the property. Global Green Holdings mortgaged the property from Mr. Law in January 11, 2008, but never operated at the facility. Global Green defaulted on their mortgage. According to the Colbert County records, Bral Holdings, LLC is listed as the owner. According to the Second Continuation Notice of Mortgage Foreclosure Sale, there are 30 individuals from Utah, referred to as the Private Capital Group (PCG), who foreclosed on the property (Ref. 10, Colbert Co. Second Mortgage foreclosure sale Parcel 3). TTL, Inc. was retained this year by the PCG to assist in the evaluation of any environmental compliance issues at the Site (Att. 4).

Delta Automotive rebuilt torque converters and pumps for automatic transmissions. It sold rebuilder kits, transmission coolers, solenoids, technical manuals, automatic flywheels, and different service items for over 200 different domestic and foreign transmissions (Ref. 11). The axle operation was re-engineered in 1992 to remove all hazardous waste streams. The axle division was sold to DANA Corporation on October 1, 1992 (Ref. 5). At various times, waste materials generated on-site consisted of aluminum, barium, cadmium, chromium, lead, zinc, mineral spirits, used oil, 1,1-dichloroethane, methyl ethyl ketone, methylene chloride, 1,1,1-trichloroethane, naphthalene, potassium hydroxide, Jet Wash, liquid from 700 gallon vat, waste dust and coolant water from grinding operation (Refs. 12, 13). Photographs documenting the areas of contamination and indoor waste locations are in ADEM's May 30, 1990 Pictorial File. (Ref. 14)

An ADEM Consent Order (No. 92-158-HW) was issued to Delta Automotive on August 7, 1992 (Ref. 15). It summarized the violations observed at the facility. It required the facility to remove the hazardous wastes accumulated in containers, cap the soil on-site, and conduct groundwater quality assessment activities. Drums of waste materials were removed, but 954 cubic yards of contaminated soil was capped on-site and closed in place in an area of about 0.15 acres (Ref. 16, Table II.1). The closure requirements for construction of the Waste Containment Unit included the use of limestone, Miraclay™ liner, an 8 millimeter vapor barrier and a concrete floor (Figure No. 1). On October 16, 1998, ADEM accepted the Landfill Certification of Closure dated September 21, 1998, for the Waste Containment Unit area. (Ref. 17)

On June 21, 1990, Gallet and Associates collected subsurface soil borings and volatile organic analysis of the samples. The results varied between no detection to 35,000 parts per billion for acetone, 2-butanone, 1,1,1-trichloroethane, 1,1-dichloroethane, ethylbenzene and xylene. (Ref. 6)

On April 1, 2001, the Department issued a Post-Closure Care Permit for the closed landfill (SWMU 9) and Former Mineral Spirits Drum Storage Area (SWMU 12), with an expiration date of April 1, 2011 (Appendix A). The permit was modified in July 2001, and December 2004. All monitoring Wells (MW-5, MW-7, MW-9, MW-10, MW-11, MW-12, MW-13, MW-14 and MW-15) are to have water elevations measured semi-annually (Figure 3). Four monitoring wells (MW-7, MW-9, MW-13 and MW-14) are to be sampled for analysis semi-annually. (Ref. 16)

A Final RCRA Facility Assessment (RFA) Report dated July 13, 2003, summarizes the Site's regulatory history, Solid Waste Management Units (SWMU), and groundwater and soil analysis. (Ref. 16) On October 18, 2007, the facility completed confirmatory sampling on groundwater at SWMU 12 and no further action is warranted for SWMU 12 (Ref. 18).

On April 7, 2008 and April 20, 2009, ADEM met with a representative of Global Green Holdings, LLC, to determine the status of the Site. During the site visit, it was noted that the building was intact, the concrete floor was of good integrity, most of the equipment and materials had been removed, and the building was secured. Some vandalism had occurred prior to the site inspections and there was no electricity in the building. Monitoring wells could not be located at that time. (Att. 2 photos)

2.4 Current Condition of Site

The facility was locked and the three buildings are essentially empty. Vandals had removed some wiring in all three buildings (Photos 7, 17, 19, 27) and there was no electricity. The Waste Containment Unit is located under the concrete floor of the middle building (Ref. 4, 1989 Plat Map). The warehouse buildings showed slight deterioration of the walls and chemical discoloration on the concrete floor (Photos 23, 30-34). The northern building, the office building, includes the president's office, conference areas and multiple work spaces. Some folders from Delta Automotive were found adjacent to the president's office (Photo 21).

The center building was the newest warehouse. It was built over the Waste Containment Unit cap (Ref. 4). The building housed the laboratory and some bathrooms. The southern building was the remanufacturing building divided into three spaces. The main section housed the remanufacturing space with an office and bathrooms constructed in the middle. This office held files and materials from the last operator named "Whatever It Takes Transmission Parts, Inc." (Photo 29). There was an L-shaped room located along the south and east sections of the southern warehouse (Photos 31, 34). A smaller room was constructed in the northeast corner of this warehouse (Photos 34, 36).

The Site operations originally had two primary buildings and two out-buildings between them. Hazardous waste was placed in the open areas between these buildings. The two out-buildings were razed and the hazardous waste removed in 1989 with the contaminated soils capped on-site. The third, or center, building was then erected over the cap, now giving the Site the impression of being one large building. (Att. 2)

3. GROUNDWATER PATHWAY

3.1 Hydrogeologic Setting

The Sheffield area is on the southern flank of the Nashville Dome. The regional dip of the geologic units in the area is southwest at 25 to 30 feet per mile as influenced by the dome.

Steeper dips and dip reversals occur as local structural features. Two formations crop out in the vicinity of the plant site, the Tuscumbia Limestone and the Fort Payne Chert (Figure 5 of Att. 3).

The Site is immediately underlain by the Tuscumbia Limestone and the residuum resulting from its weathering. The Tuscumbia is a light-gray bioclastic or micritic, partly oolitic limestone in beds that generally are more than one foot thick. Massive cross-bedded very coarse bioclastic, crinoidal limestone beds are locally as much as 10 feet thick. Light-gray and white chert nodules and concentrically banded concretionary chert are abundant locally. Formation thickness in the vicinity of the Site is generally less than 100 feet.

The Fort Payne Chert underlies the Tuscumbia Limestone. The Fort Payne is a dark to light-gray finely crystalline to microcrystalline siliceous limestone and smoky chert in irregular beds and nodules. Locally, dark shale or light-gray coarse bioclastic limestone is found in lenses. Formation thickness is about 150 feet in the area of the Site. The area is susceptible to karst processes and there are numerous sinkholes and collapse depressions near the Site.

The major regional aquifer in the Sheffield area is the Tuscumbia-Fort Payne aquifer, consisting of the Tuscumbia Limestone and the Fort Payne Chert. Permeability and porosity necessary for storage and transmission of groundwater are typically secondary in origin in this aquifer and occur as joints, fractures, and along bedding planes. The openings are often enlarged through solution. The Tuscumbia-Fort Payne exists under semi-confined conditions where a sufficient thickness of residual material produces a barrier. With this barrier present, the residuum generally serves as an unconfined surficial aquifer.

The Tuscumbia-Fort Payne aquifer is a regional aquifer and serves as the primary water supply for municipalities and numerous private users in the area. The aquifer is capable of yielding large quantities of water, especially when wells penetrate solutionally enhanced cavities or rock with high fracture density. Since the aquifer recharges throughout its outcrop area, it is susceptible to contamination from surface sources. The depth to aquifer is about 60 feet. Domestic wells are not expected within the immediate vicinity of Site due to the urban nature of the Site but may be located in a 4-mile radius of the Site. (Att. 3)

3.2 Ground Water Targets

There are four public water supply water systems serving customers in a 4-mile radius of the Site; Colbert County Rural Water System, Florence Water-Wastewater Department, Sheffield Utilities Department and Tuscumbia Water Works (Att. 1; Ref. 19). The Tuscumbia Water Works source is groundwater from Big Spring about 2.0 miles south of the Site. The population using water from this spring is 13,205. It is unknown whether private wells are located in the 4-mile radius.

The Site lies within 500 feet of three sinkholes (Sinkhole 1, 3 and 4)(Figs. 5, 6). Sinkhole 3 lies about 350 feet to the west of the Site. (Ref. 20)

3.3 Ground Water Conclusions

Groundwater around the capped contaminated soil landfill has not been monitored for several years. It may be a continual source of contamination and contribute hazardous materials to the groundwater pathway. The only drinking water potentially impacted by Site groundwater contamination would be Big Spring. There are no known private groundwater wells in the area.

4. SURFACE WATER PATHWAY

4.1 Hydrologic Setting

The Site lies in northern Colbert County about 1.15 miles south of the Tennessee River in the Highland Rim section of the Interior Low Plateaus physiographic province. The Highland Rim section is characterized by areas of low relief and flat to rolling topography. The area is karst and prone to sinkhole development–several sinkholes and apparent collapse features are present within a 1-mile radius of the Site (Figs. 5, 6; Refs. 20, 21). The Site lies outside the 500-year floodplain and the elevation is about 500 feet above mean sea level. (Att. 3)

The surface water pathway, which parallels the railroad tracks, appears to flow about 4,000 feet before reaching the perennial portion of an unnamed stream at the Possible Point of Entry (PPE) (Att. 1). The unnamed stream flows 1.3 miles north and northwest from the PPE until reaching Pickwick Lake/Tennessee River. The remainder of the 15 mile surface water pathway is along the Tennessee River/Pickwick Lake. The Tennessee River/Pickwick Lake is listed in the ADEM Admin. Code R. 335-6-11-.02 with a use classification of Public Water Supply and Fish and Wildlife from Wilson Dam to the City of Sheffield's water intake, and Fish and Wildlife from the City of Sheffield's water supply intake to the lower end of Seven Mile Island. The Tennessee River/Pickwick Lake is listed with a use classification of Public Water Supply, Water-Contact sports, and Fish and Wildlife from the lower end of Seven Mile Island to the Alabama-Tennessee state line. The Tennessee River has a 2-year, 7-day low flow rate of 10,700 cubic feet per second. The Sheffield surface water intake on the Tennessee River is upstream of the drainage from the Site. There are no public drinking water supply intakes impacted by the Site within the 15 mile surface water pathway. (Atts. 1, 3)

4.2 Surface Water Targets

The major portion of drinking water in this area is from surface water intakes, and there are no impacted public drinking water supply intakes within the 15 mile surface water pathway (Att. 1).

Fifteen aquatic endangered species are listed for Colbert and Lauderdale Counties. They are: (Endangered species) Pink mucket pearly mussel *Lampsilis abrupta,* Pink mucket pearly mussel *Lampsilis abrupta*, White warty-back pearly mussel *Plethobasus cicatricosus*, Rough pigtoe pearly mussel *Pleurobema plenum*, Cumberlandian combshell mussel *Epioblasma brevidens*, Ring pink mussel *Obovaria retusa*, Turgid blossom pearlymussel *Epioblasma turgidula*, Cracking pearlymussel *Hemistena lata*, Fanshell *Cyprogenia stegaria*, Anthony's riversnail *Athearnia anthonyi*, Alabama cave shrimp *Palaemonias alabamae*, and Spotfin chub *Cyprinella (=Hybopsis) monacha*, (Threatened species) Lyrate bladder-pod *Lesquerella lyrata*; (Candidate Species) Slabside pearlymussel *Lexingtonia dolabelloides;* (Critical Habitat) Oyster Mussel *Epioblasma capsaeformis*, and Cumberlandian combshell mussel *Epioblasma brevidens* (in Bear Creek), and threatened species Slackwater darter *Etheostoma boschungi*, and endangered species Alabama cavefish *Speoplatyrhinus poulsoni* (in Burcham Creek, Cypress Creek, Lindsey Creek, Greenbriar Branch, Middle Cypress Creek, May Branch, Key Cave. The bats and eagles utilize surface water during feeding (see Section 5.2; Ref. 20).

4.3. Surface Water Conclusions

The contaminated soil was capped. Assuming the cap is maintained, the surface water pathway should not be of concern.

Epioblasma capsaeformis, and Cumberlandian combshell mussel *Epioblasma brevidens* (in Bear Creek), and threatened species Slackwater darter *Etheostoma boschungi*, and endangered species Alabama cavefish *Speoplatyrhinus poulsoni (*in Burcham Creek, Cypress Creek, Lindsey Creek, Greenbriar Branch, Middle Cypress Creek, May Branch, Key Cave. The bats and eagles utilize surface water during feeding (see Section 5.2; Ref. 20).

4.3. Surface Water Conclusions

The contaminated soil was capped. As long as the cap is maintained, the surface water pathway should not be of concern.

5. SOIL EXPOSURE AND AIR PATHWAYS

5.1 Physical Conditions

The Delta Automotive plant is underlain by soils of the Decatur Series (Att. 3 Figure 4). These soils are typically deep, well drained, moderately permeable and are formed in the residuum weathered from limestone. The slope at the site is 2 to 8 percent. The soil profile generally consists of dark reddish-brown silty clay containing weathered limestone fragments and chert nodules. The permeability of the unsaturated zone varies with the composition, being highest in horizons containing concentrated chert nodules and limestone fragments. The chert and limestone fragment composition generally increases with depth, as does the permeability, typically being substantial as the soil/bedrock interface is approached. The permeability of the unsaturated zone ranges from approximately 1×10^{-5} to 1×10^{-3} cm/s. (Att. 3)

5.2 Soil and Air Targets

The site is surrounded by residences, various businesses, and a railroad track to the east (Figs. 2, 3, 4, 7; Att. 2, Photos 3, 4, 9, 11, 12). The on site landfill is contained by a concrete cap and the building overhead. The building itself is of relatively good integrity and currently is well secured.

The 2000 Census states that the average household size for Florence is 2.20 persons, Muscle Shoals' average household size is 2.48, Sheffield's average household size is 2.27 persons, and Tuscumbia's average household size is 2.19 (Ref. 23). Currently there are 4,621 individuals within the 1-mile radius (Att. 1).

The results of Gallet and Associates June 21, 1990, subsurface soil borings and volatile organic analysis varied between no detection to 35,000 parts per billion for the chemicals of concern acetone, 2-butanone, 1,1,1-trichloroethane, 1,1-dichloroethane, ethylbenzene and xylene used in the Site activities. (Ref. 6)

5.3 Soil Exposure and Air Pathway Conclusions

The contaminated soil still exists on-site, but is covered by an impervious cap. Exposure to the soil and air pathways does not appear to be of concern.

6. SUMMARY AND CONCLUSIONS

The Site is an inactive RCRA facility that has operated as a cabinet shop, a lumberyard, a surplus auto parts store, and an automobile parts remanufacturer. Due to improper storage of hazardous wastes in drums, tanks, and piles, soil and groundwater contamination occurred. A Consent Order was issued to Delta Automotive in 1992 requiring the company to conduct removal activities on the hazardous waste. Following RCRA closure requirements, the contaminated soil was capped and the cap is currently being maintained. The groundwater monitoring program was not completed. The potential for impact from the Site to the groundwater intake at Big Spring is nominal, but there does not appear to be an impact to drinking water from the Tennessee River. The Assessment Section recommends that the Delta Automotive, Inc. Site be referred to the RCRA program to complete the groundwater monitoring phase required by the Order and no further action is planned regarding the CERCLA program. If there is no RCRA owner/operator found to complete requirements of the Order, the Site could revert back to CERCLA responsibility..

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20. FEMA, National Flood Insurance Program, Flood Insurance Rate Map for City of Sheffield, Alabama, Colbert County, Community-Panel Number 0100480002C, Revised Date: March 18, 1983.

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FIGURE 1

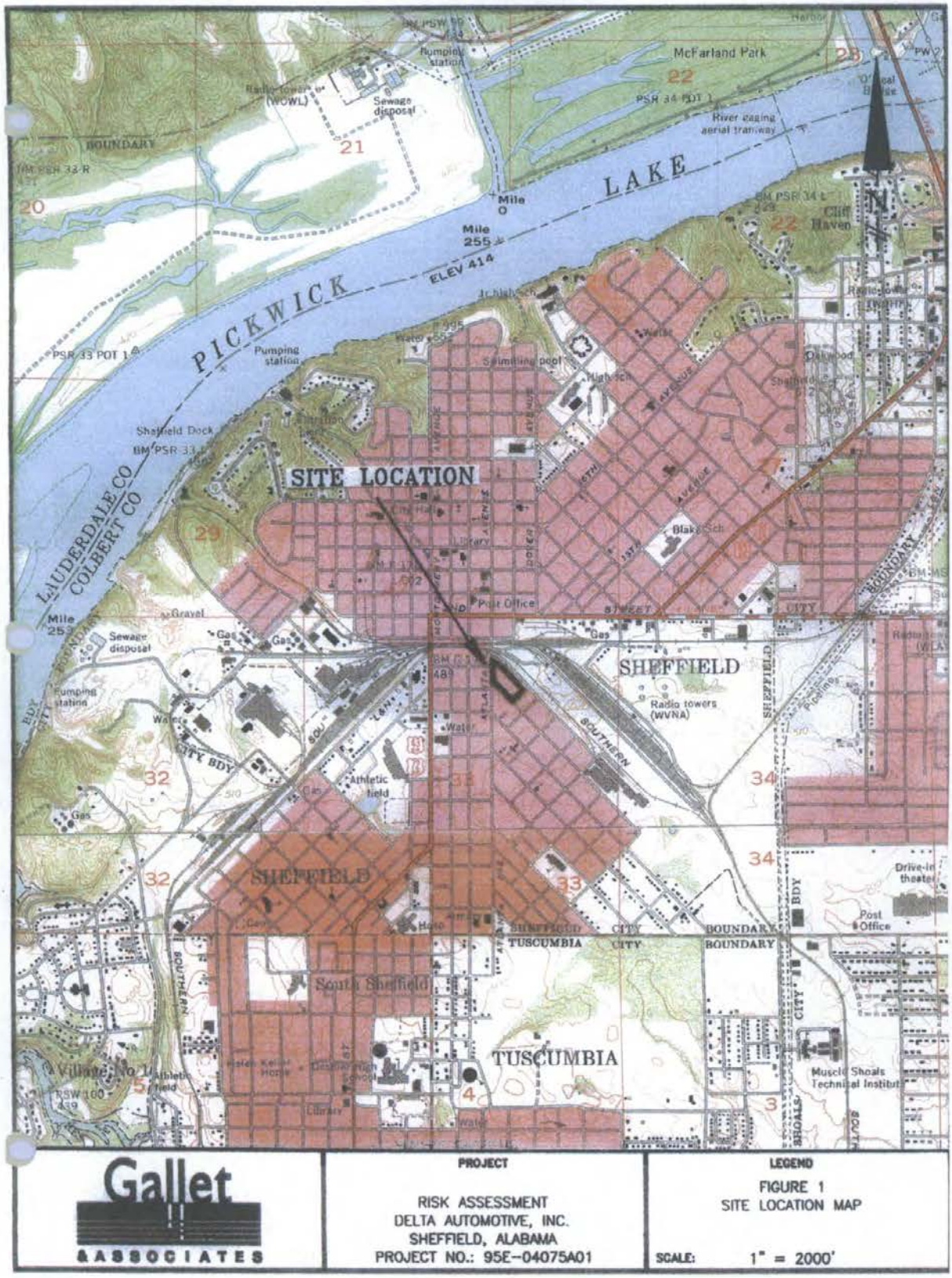


Figure 1: Topographic view of the Former Delta Automotive, Inc. property in Sheffield, Alabama. Edited from Figure 1 in Gallet & Associates' August 29, 1996 Risk Assessment for Delta Automotive Inc. Facility, Project No. 95E-04075A01.

FIGURE 2



Figure 2: Former Delta Automotive, Inc. property and nearby vicinity in Sheffield, Alabama. Edited from Figure 5 in Gallet & Associates' August 29, 1996 Risk Assessment for Delta Automotive Inc. Facility, Project No. 95E-04075A01.

FIGURE 3

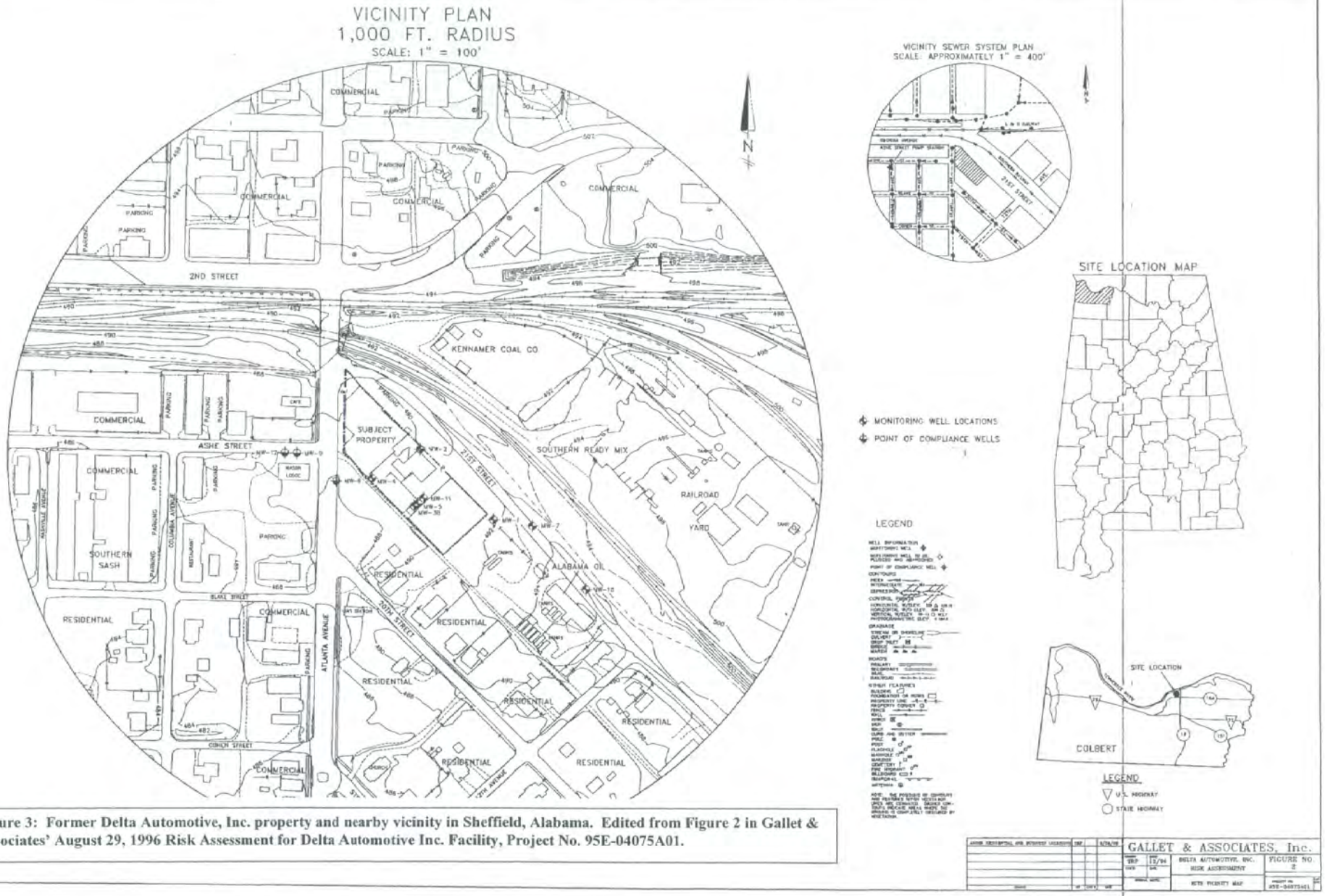


Figure 3: Former Delta Automotive, Inc. property and nearby vicinity in Sheffield, Alabama. Edited from Figure 2 in Gallet & Associates' August 29, 1996 Risk Assessment for Delta Automotive Inc. Facility, Project No. 95E-04075A01.

FIGURE 4

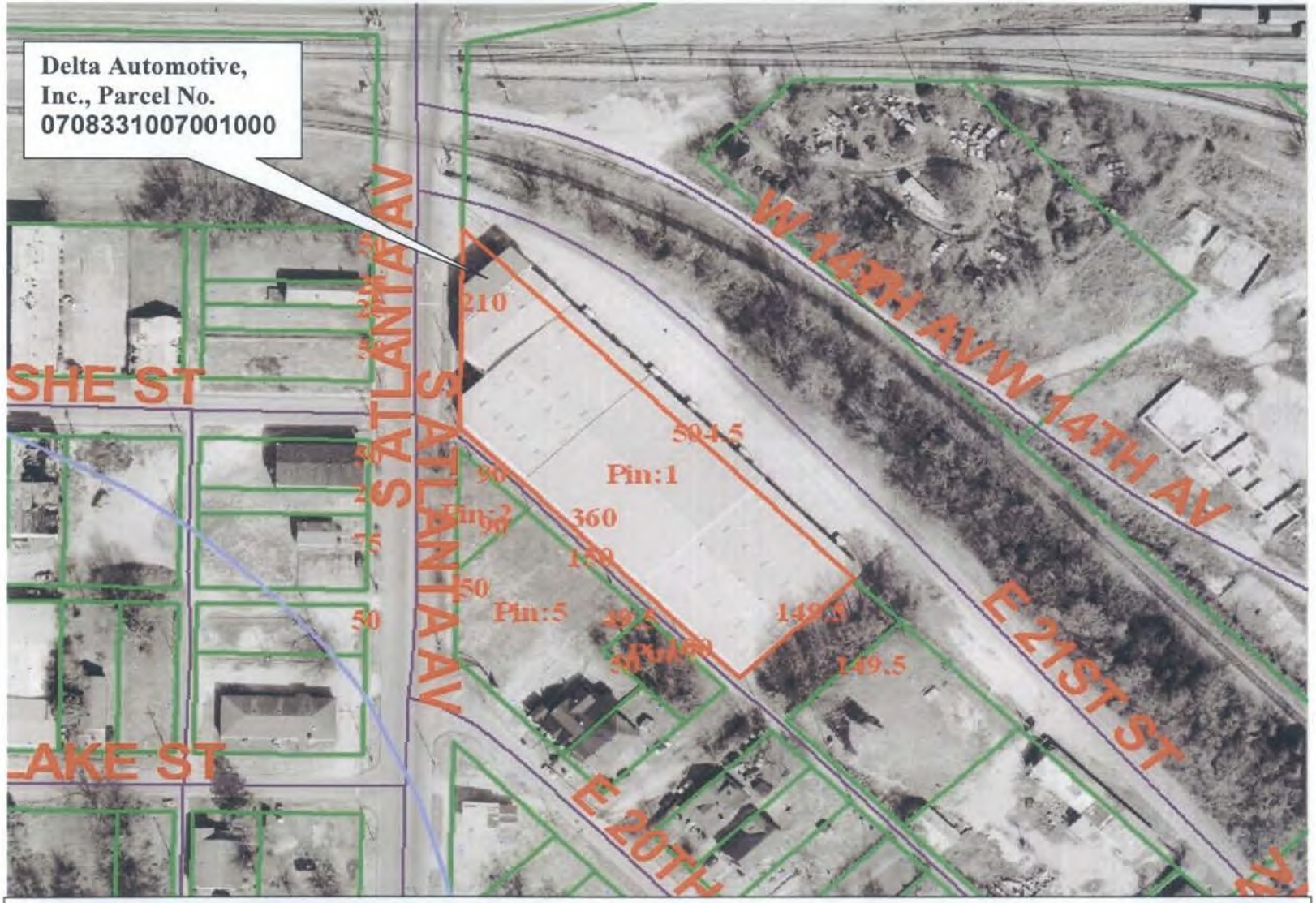


Figure 4: Former Delta Automotive, Inc. property in Sheffield, Alabama, as seen on Colbert County Plat Map. (Colbert County Property Link, August 3, 2009)

FIGURE 5



MARCH 22, 1974

FLOOD HAZARD BOUNDARY MAP REVISIONS
OCTOBER 22, 1976

FLOOD INSURANCE RATE MAP EFFECTIVE
DECEMBER 15, 1977

FLOOD INSURANCE RATE MAP REVISIONS:
3/18/83 DECREASE ZONE A4 BOUNDARY, DECREASE BASE FLOOD ELEVATIONS.

To determine if flood insurance is available in this community, contact your insurance agent, or call the National Flood Insurance Program, at (800) 638-6620.

APPROXIMATE SCALE
500 0 500 FEET

NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP

CITY OF
SHEFFIELD, ALABAMA
COLBERT COUNTY

PANEL 2 OF 2
(SEE MAP INDEX FOR PANELS NOT PRINTED)

COMMUNITY-PANEL NUMBER
010048 0002 C

MAP REVISED:
MARCH 18, 1983

Federal Emergency Management Agency

Figure 5: Floodplain map showing Former Delta Automotive, Inc. property (Zone C) and nearby vicinity in Sheffield, Alabama. Note sinkhole(s) surround the site to the west and south labeled as Zone AB or Zone A2. (FEMA Flood Insurance Rate Map March 18, 1983)

FIGURE 6

Send To Printer Back To TerraServer Change to 11x17 Print Size Show Grid Lines Change to Landscape

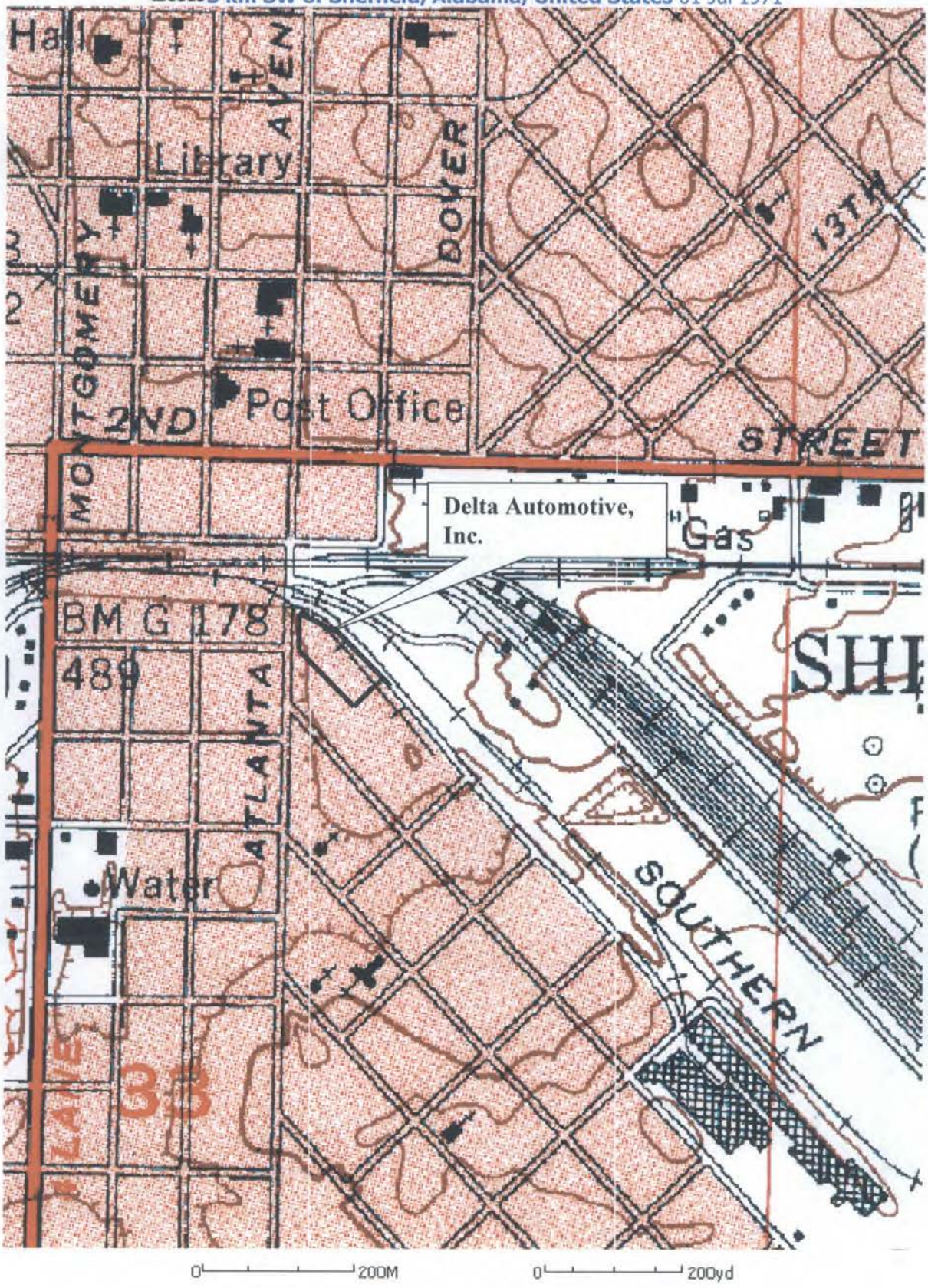


Image courtesy of the U.S. Geological Survey
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Figure 6: Former Delta Automotive, Inc. property and nearby vicinity in Sheffield, Alabama. Note sinkhole(s) surround the site to the west and south. (TerraServer May 20, 2009)

FIGURE 7

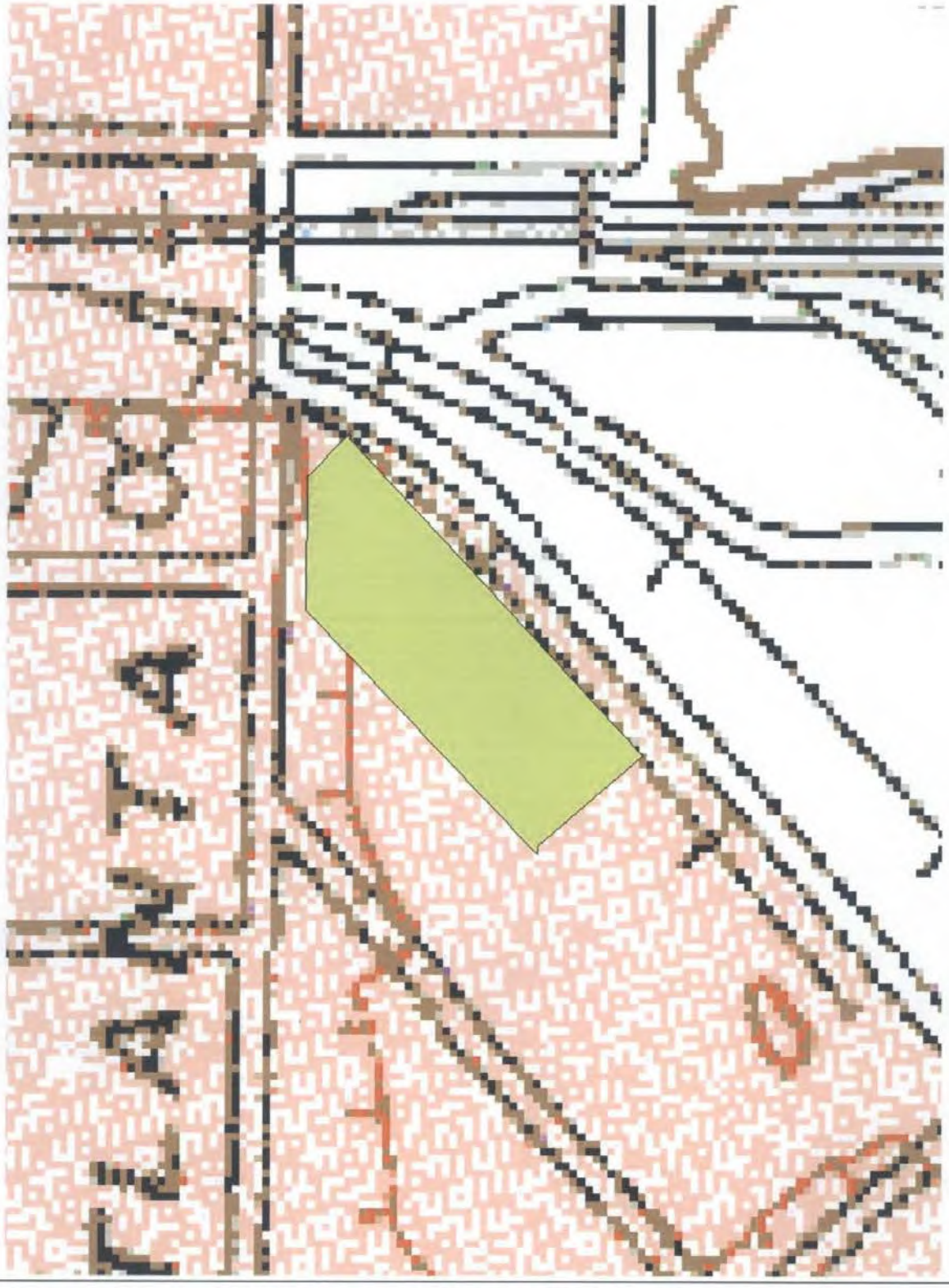


Figure 7: The composite building (green), of former Delta Automotive, Inc. property, overlain on a topographic map. Note sinkhole surrounding the site. (Trip report April 20, 2009)

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March 15, 2018

MEMORANDUM

TO: FileNet
Industrial Hazardous Waste Branch
Land Division

THROUGH: Richard Messer, Chief
Engineering Services Section
Industrial Hazardous Waste Branch
Land Division

FROM: Tamaria L. McAlpin
Engineering Services Section
Industrial Hazardous Waste Branch
Land Division

Subject: Executive Summary
Delta Automotive Inc. (BRAL Holding LLC)
130 South Atlanta Avenue, Sheffield, Colbert, Alabama
USEPA ID Number: ALD 982123127; Master ID 3825

The Alabama Department of Environmental Management (ADEM) has recently completed a review of the Delta Automotive Inc. (BRAL Holding LLC) located at 130 South Atlanta Avenue, Sheffield, Colbert, Alabama and provides the following executive summary.

Executive Summary

Site Description: The site was defined as very level, with immediate surface water drainage toward the south and southwest. Water-level measurements obtained from site monitoring wells show that groundwater flow in the shallow flow zone is overall to the northwest. Groundwater flow in the deep Tuscumbia-Fort Payne aquifer flow zone appears to be northwest. Regional surface and groundwater flow is ultimately towards Pickwick Lake, located to the north and west, slightly more than a mile from the site. There is no residential use of groundwater in the Sheffield, Alabama area. The Sheffield area derives its public water supply from Pickwick Lake, at a pumping station located about 2.3 miles downstream from the O'Neal Bridge.

History: The facility operated as an auto parts remanufacturing facility in Sheffield, Colbert County, Alabama. Facility operations began in the Sheffield area in 1971. During this time the facility remanufactured transmission parts and automobile front wheel drive axles. As a result, the facility maintained a parts cleaning operation until it was discontinued around1979. Spent solvents (F001, F002, and F005) from this operation, located in the former drum storage areas, were determined to have

contaminated the soil in the central portion of the property. There were known releases of spent solvents (F001 and F005) through the cracked bases of the building which led to soil and groundwater contamination. A closure plan for permanent closure of the area with soil contamination as a landfill was submitted to ADEM on August 22, 1997 and revised on February 5, 1998. However, due to groundwater contamination clean closure was not achieved.

Closure: The closure plan for permanent closure of the area with soil contamination as a landfill was submitted to ADEM on August 22, 1997 and revised on February 5, 1998. The closure plan developed and approved for the facility employed the use of an Alternative Cap System that would allow Delta to utilize the Waste Contamination Unit (WCU) for the construction of a new warehouse building. The closure plan was approved on March 17, 1998. A Certification of Closure was submitted to ADEM on September 21, 1998.

Post Closure: The units that were subject to the post closure requirements included three former drum storage areas. The facility applied for a post closure permit in 1997. On April 1, 2001, ADEM issued a post-closure permit to Delta Automotive, Inc., with an expiration date of April 1, 2011. On February 25, 2004 an NOV was issued to the facility for failure to establish financial assurance in the amount of $786,991.00. On August 14, 2004, Delta Automotive requested a post closure permit modification move from the compliance monitoring program to a detection monitoring. The post-closure permit was modified on December 22, 2004.

EPA Intervention: Between January 14, 2008 and May 11, 2009, BRAL Holdings acquired the facility/business and was operating under the name of Global Green Holding. On March 2, 2010, ADEM referred BRAL Holdings, LLC to the USEPA due to failure to obtain a post-closure permit, and failure to establish financial assurance. On November 19, 2010 the EPA sent BRAL a "Notice of Violation and Opportunity to Show Cause". On June 21, 2011 the EPA issued a Consent Agreement and Final Order (CA/FO). A civil penalty in the amount of $26,187.00 was imposed. There has been no record of this penalty being paid.

Waste Contamination Unit (WCU) Maintenance: Maintenance on the WCU was done monthly, with visual inspections for only cracks and crevices. There was no surface erosion anticipated. Groundwater monitoring wells were checked during the sampling and analysis events. There is no known record of any maintenance after the facility was bought by BRAL holding.

Frequently Asked Questions

- **What is the current status of the groundwater monitoring?**

  The last semi-annual groundwater sampling events were conducted March 16, 1999, and September 15, 1999. Based on a review of this report, it appears that onsite contamination (1,1-Dichloroethene, 1,1-Dichloroethane, 1,1,1 Trchloroethane and Trichloroethene) was present in the area of MW-5 located in the central portion of the site. No constituents of concern were detected at concentrations above the published MCLs in any of the down gradient wells. There are no immediate downgradient, off-site or on-site drinking water uses for groundwater.

- **Is groundwater monitoring the main "cleanup work" left?**

  Yes, groundwater monitoring is the main "cleanup work" left for the site. Groundwater monitoring will ensure that the WCU is adequately addressing any residual soil contamination from historical processes on-site.

- **Which entity is the listed owner for the property? We know that the 2009 foreclosure deed was voided, but did the property go back to BRAL? Is BRAL the listed owner per the tax records (we looked, but couldn't find the address in the online system)?**

  The facility is currently owned by the State of Alabama as of 2012. We were able to find the facility with Parcel# 20-07-08-33-1-007-001.00

- **How many years of back taxes are owed?**

  According to the State of Alabama- Department of Revenue-Property Tax Division Transcript of Tax Delinquent Land available for sale, as of 01/16/2018 the amount Bid at Tax Sale in 2013 was $13,049.91. It was up for tax sale in 2012 but no one purchased.

ADEM TRIP Report **(double click to view)**

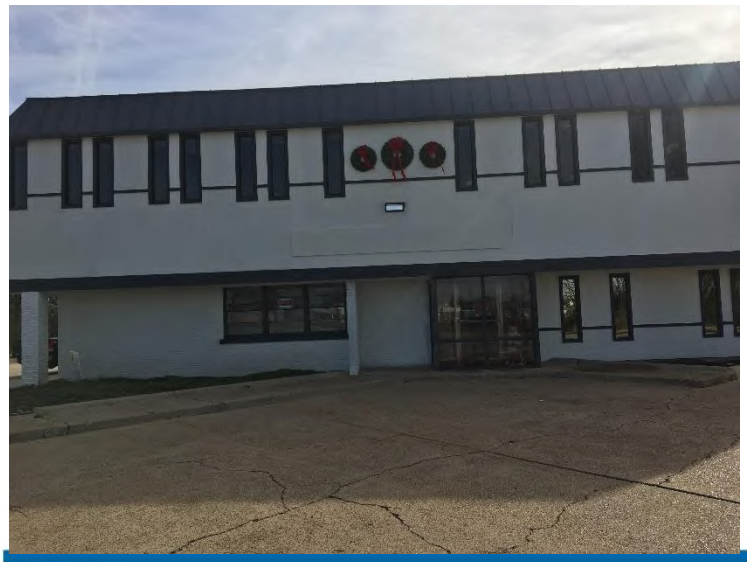


EPA Consent Agreement and Final Order (CA/FO) **(double click to view)**



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PHASE II ENVIRONMENTAL SITE ASSESSMENT

Delta Automotive
3000 Jackson Highway | Sheffield, Alabama
PM Project Number 07-3738-0 WO 34

Prepared for:

City of Sheffield, Alabama
600 North Montgomery Avenue
Sheffield, Alabama 35660

Prepared by:

PM Environmental, Inc.
4463-A Helton Drive
Florence, Alabama 35633

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January 31, 2020,

Mr. Ian Sanford
City of Sheffield AL
600 North Montgomery Avenue
Sheffield, AL 35660

Re: Phase II Environmental Site Assessment of the Former Delta Automotive, Inc.
Located at 103 South Atlanta Avenue, Sheffield, AL
PM Environmental, Inc. Project No. 07-3738-0 WO34

Dear Mr. Sanford:

PM Environmental, Inc. (PM) has completed the Phase II Environmental Site Assessment (ESA) report of the above referenced property. The attached report is a summary of the field investigative techniques and results of the property assessment activities.

THIS SUPPLEMENTAL ASSESSMENT WAS PERFORMED FOR THE USE OF THE CITY OF SHEFFIELD, ALABAMA AND MR. JAMES C. GAUTNEY WHO MAY RELY ON ITS CONTENTS AND CONCLUSIONS.

If you have any question or concerns, please feel free to contact our office at 256-353-6222. We look forward to providing you with qualified and professional environmental consulting services in the future.

Sincerely,
PM Environmental, Inc.

Suzanne Evans, P.G.
Project Manager
Alabama P.G. #1228

John Hargraves, P.G.
Senior Geologist
Alabama P.G. #701

L. Gregory Stephenson, P.G.
Vice President
Alabama P.G. #742

Enclosure

EXECUTIVE SUMMARY

PM Environmental, Inc. (PM) has completed a Phase II Environmental Site Assessment (ESA) at the Commercial Property located at 103 South Atlanta Avenue, Sheffield, Colbert County, Alabama 35660 (hereafter referred to as the "subject property") to assess the main 'cleanup work' left for the site as outlined in the March 15, 2018 ADEM Memorandum (ADEM Memorandum); to determine the nature and extent of Volatile Organic Compounds (VOCs); Resource Conservation Recovery Act Eight Metals (RCRA-8 Metals) plus Aluminum and Zinc; and Phenol concentrations in groundwater at the subject property.

The ADEM Memorandum of the subject property located at 103 South Atlanta Avenue, Sheffield, Colbert County, Alabama identified the following cleanup work connected with the property:

- To take photographs of the concrete cap over the Waste Contamination Unit (WCU) and confirm that it is in good condition (in accordance with the RCRA Closure requirements that the contaminated soils be capped and the cap be maintained).

- Locate and evaluate the integrity of the groundwater monitoring wells and collect groundwater samples (in accordance with the RCRA Closure requirements that the groundwater be sampled annually).

The subject property consists of one parcels of land totaling 1.47 acres and is located at 103 South Atlanta Avenue, Sheffield, Colbert County, Alabama. The subject property is occupied by one building containing approximately 60,600 square feet. The center building was the newest warehouse and its concrete floor is built over the WCU. The buildings are currently vacant, and in the process of being renovated.

THIS PHASE II ESA WAS PERFORMED FOR THE USE OF THE CITY OF SHEFFIELD, ALABAMA AND MR. JAMES C. GAUTNEY WHO MAY RELY ON ITS CONTENTS AND CONCLUSIONS.

The scope of work performed during this Phase II ESA was completed in general accordance with the Site Specific Quality Assurance Project Plan (SSQAPP) Addendum 1.A approved on November 21, 2019.

The Phase II ESA activities consisted evaluating the condition of the concrete cap over the WCU; locating evaluate the integrity of the groundwater monitoring wells; and collecting ten groundwater samples, including one duplicate sample, from the previously installed groundwater monitoring wells (MW-5, MW-7, and MW-9 through MW-15) were submitted for laboratory analysis of VOCs; RCRA-8 metals plus Aluminum and Zinc; and Phenol. The analytical results were then compared to the Environmental Protection Agency's (EPA) Regional Screening Levels (RSLs), Maximum Contamination Level (MCL) Based dated November 2019.

Of the groundwater concentrations detected above laboratory MDLs concentrations 1,1-Dichloroethene and Lead were identified in groundwater above the EPA RSLs, MCL-Based.

This report has been reviewed for its completeness and accuracy. Please feel free to contact our office at 256-353-6222 to discuss this report.

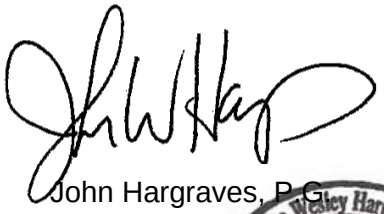
REPORT PREPARED BY:
PM Environmental, Inc.



Suzanne Evans
Project Geologist
Alabama P.G. #1228



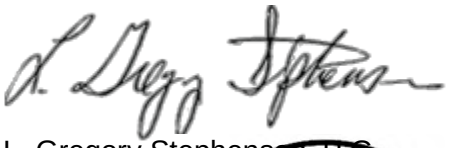
REPORT REVIEWED BY:
PM Environmental, Inc.



John Hargraves, P.G.
Senior Geologist
Alabama P.G. #701



REPORT REVIEWED BY:
PM Environmental, Inc.



L. Gregory Stephenson, P.G.
Vice President
Alabama P.G. #742



LIMITATIONS

This Phase II Environmental Site Assessment (ESA) is a property-specific assessment that is related to the environmental conditions of the subject property only.

PM Environmental, Inc. (PM) performed its services in conformance with the care and skill ordinarily used by other reputable environmental consulting firms practicing under similar conditions, at the same time, and in the same or similar locality. In preparing the assessment report, PM may have relied on information obtained from or provided by others. PM makes no representation or warranty regarding the accuracy or completeness of this information gathered through outside sources or subcontracted services. No single page of this report should be relied upon alone, rather only the report in its entirety. No warranty, guarantee, or certification of any kind, expressed or implied, at common law or created by statute, is extended, made, or intended by rendering these environmental consulting services or by furnishing this written report. Environmental conditions and regulations are subject to constant change and reinterpretation. One should not assume that any on-site conditions and/or regulatory statutes or rules will remain constant in the future, after PM has completed the scope of work for this project. Furthermore, because of the facts stated in this report are subject to professional interpretation, differing conclusions could be reached by other professionals.

Contaminants may be hidden in subsurface material, covered by pavement, vegetation, or other substances. Additionally, contamination may not be present in predictable locations. The most that PM can do is prepare a logical assessment program to reduce the client's risk of discovering unknown contamination. This risk may be reduced by more extensive exploration on the property. Even with additional exploration, it is not possible to completely eliminate the risk of discovering contamination on-site. It cannot be assumed that samples collected and conditions observed are representative of an area that has not been sampled and/or tested. Tests and other data collected for the report were obtained only for the sole purposes stated in this report, and they should not be used for purposes or reasons other than those intended.

Some environmental assessments are undertaken to satisfy due diligence, all appropriate inquiry, or other regulatory requirements provided in federal, state, or local law. The level of investigation necessary to demonstrate due diligence or all appropriate inquiry has not been legislatively defined. Although PM strives to investigate a property in accordance with the scope of work, it cannot warrant that the work undertaken for this report will satisfy due diligence, all appropriate inquiry, or any other similar standard under any federal, state, or local law.

Due to changing environmental regulatory conditions and potential on-site or off-site activities occurring after this assessment, the client may not presume the continuing applicability to the property of the conclusions in this assessment for more than 180 days after the report’s issuance date.

Any reports, field data, field notes, laboratory testing, calculations, estimates or other documents prepared by or relied upon by PM are the property of PM. If any of these documents are released or obtained by a party other than the client, PM may not discuss the project with that party unless the original contracted client notifies PM of the same and PM is authorized to disclose the information and to discuss the project with others. Except as otherwise agreed with the client, PM further states that it disclaims any duty of any kind or nature to any person or entity other than the client in preparing this report.

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Table 1 Summary of Groundwater Analytical Results for VOCs, RCRA-8 Metals plus Aluminum and Zinc, and Phenol with Trip Blank and Equipment Blank Analytical Results
Table 2 Summary of Groundwater Intrinsic Parameters

APPENDICES

Appendix A ADEM Memorandum March 15, 2018
Appendix B Laboratory Analytical Reports

SECTION 1.0 – INTRODUCTION

PM Environmental, Inc. (PM) has completed a Phase II Environmental Site Assessment (ESA) at the Commercial Property located at 103 South Atlanta Avenue, Sheffield, Colbert County, Alabama 35660 (hereafter referred to as the "subject property") to assess the 'cleanup work' left for the site as outlined in the March 15, 2018 ADEM Memorandum; to determine the nature and extent of VOCs; RCRA-8 Metals plus Aluminum and Zinc; and Phenol concentrations in groundwater at the subject property.

The ADEM Memorandum of the subject property located at 103 South Atlanta Avenue, Sheffield, Colbert County, Alabama identified the following cleanup work connected with the property:

- To take photographs of the concrete cap over the Waste Contamination Unit (WCU) and confirm that it is in good condition (in accordance with the RCRA Closure requirements that the contaminated soils be capped and the cap be maintained).
- Locate and evaluate the integrity of the groundwater monitoring wells and collect groundwater samples (in accordance with the RCRA Closure requirements that the groundwater be sampled annually).

SECTION 2.0 - SITE DESCRIPTION

The subject property is located at 103 South Atlanta Avenue, Sheffield, Colbert County, Alabama 35660. The subject property consists of one parcel totaling 1.47 acres containing three structures totaling approximately 60,600 square feet. Future redevelopment plans are not known at this time. Mr. James C. Gautney acquired the site from the State of Alabama for back taxes.

Review of the Pre- Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Screening Assessment prepared by the Environmental Services Branch of the Alabama Department of Environmental Management (ADEM) and other historical records documents between 1914 and the late 1960s the subject property was operated as a woodworking and cabinet shop. Between the late 1960s and 1970, the property was operated as a lumber dealer. The subject property was leased and operated as a surplus auto parts store. In 1971, the subject property was purchased and Delta Automotive, Inc. (Delta) began operations as an automobile parts manufacturer in 1972. On October 16, 1998, Delta was provided a Landfill Closure Certification for the Solid Waste Management Unit (SWMU) 12. This provided permanent closure of an area of contaminated soil in the central portion of the subject property. By December 2004, Whatever It Takes, a distribution center that packaged auto parts was operating at the facility. By 2008, records suggest that the property was vacant. Tax records collected from the Colbert County Revenue Commissioner's on-line data base shows that by 2012 the property was owned by the Alabama Department of Revenue.

The subject property sits on the deposits of the Decatur-Series, a typical soil profile consists of typically deep, well drained, moderately permeable, and are formed in the residuum weathered from limestone. The soil profile generally consists of dark reddish-brown silty clay containing weathered limestone fragments and chert nodules. The permeability of the unsaturated zone varies with the composition, being highest in horizons containing concentrated chert nodules and limestone fragments. The chert and limestone fragment composition generally increases with depth, as does permeability, typically being substantial as the soil/bedrock interface is approached. The permeability of the unsaturated zone ranges from approximately 1x from 0-5 to 1x10-3 cm/sec (Freeze and Cherry, 1979) as recorded in the ADEM Memorandum.

Topography at the site is gently sloping to the west and direction of groundwater flow is likely to the west. The site is located at approximately 500 to 510 feet above mean sea level (msl). An

unnamed perennial portion of a stream located approximately 4,000 feet from the subject property.

Any impact from the Chemicals of Concern would enter the soil and migrate through the native and/or fill material through preferential pathways or fracturing in the soil. Some of the potential chemicals of concern (VOCs, RCRA-8 Metals plus Aluminum and Zinc, and Phenol) may remain in the upper soil zone and not migrate extensively. Some of the impact has migrated through the vadose zone of the soil and traveled deep enough to encounter the local water table (groundwater which is within 4.71-8.84 feet bgs), especially at the depths encountered at this site. Once it reaches the groundwater, it will tend to react based on the groundwater and migrate downgradient of the point where it entered the water table. Heavier compounds will act similarly to lighter compounds, except they may also migrate vertically through the water table until they are restricted by a confining layer.

PM has provided Figure 1, which consists of a topographic map of the surrounding area with the subject site marked. Figure 2, depicts the subject property and adjoining properties.

SECTION 3.0 - PREVIOUS SUBSURFACE INVESTIGATION(S)

Review of the Pre-Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Screening Assessment prepared by the Environmental Services Branch of the Alabama Department of Environmental Management (ADEM) and other historical records documents between 1914 and the late 1960s the subject property was operated as a woodworking and cabinet shop. Between the late 1960s and 1970, the property was operated as a lumber dealer. The subject property was leased and operated as a surplus auto parts store. In 1971, the subject property was purchased and Delta Automotive, Inc. (Delta) began operations as an automobile parts manufacturer in 1972. On October 16, 1998, Delta was provided a Landfill Closure Certification for the Solid Waste Management Unit (SWMU) 12. This provided permanent closure of an area of contaminated soil in the central portion of the subject property. By December 2004, Whatever It Takes, a distribution center that packaged auto parts was operating at the facility. By 2008, records suggest that the property was vacant. Tax records collected from the Colbert County Revenue Commissioner's on-line data base shows that by 2012 the property was owned by the Alabama Department of Revenue.

On August 29, 2001, Highland Technical Services, Inc. (HTS) completed the confirmatory soil sampling activities associated with the SWMU 12 landfill closure (former spent mineral spirits drum storage area). According to the HTS report dated October 25, 2001, "*A total of eight composite soil samples representative of two discrete depth intervals from each grid area were collected were collected for analysis as part of this investigation. Five hand auger borings were advanced in each of the grid areas to a total of 2.0 feet below ground surface. …" "Laboratory results of the soil samples collected from both A and B intervals indicated detectable concentrations of several of the target metals."* Additionally, Acetone, Carbon Disulfide, and Xylenes were also detected in some of the samples. The HTS report further stated that "*the detected concentrations of the target parameters do not exceed their respective SSLs and therefore would not be expected to adversely impact groundwater beneath the site*.

The most recent Semi-Annual Groundwater Monitoring Report was dated October 26, 2001 and was prepared by HTS. The semi-annual sampling event was conducted on August 29, 2001.

According to the HTS report summary, *"Based upon the analyses presented in this annual groundwater monitoring report, no constituents of concern were detected at concentrations above the published Maximum Concentration Limit (MCLs) in any of the down-gradient offsite monitoring wells. Based on the findings of the statistical analysis, Barium was the only parameter detected at significantly different concentrations as compared to background in the*

shallow flow beneath the site. There were no statistically significant increases determined to present in the downgradient wells in the deep flow zone at the time of the August 2001 sampling event."

According to the March 15, 2018 ADEM Memorandum (ADEM Memorandum) the main 'cleanup work' left for the site is groundwater monitoring which, *"will ensure that the Waste Contamination Unit (WCU) is adequately addressing any residual soil contamination from historical processes on-site."* A copy of the March 15, 2018 ADEM Memorandum is included in Appendix A.

SECTION 4.0 - SUBSURFACE INVESTIGATION

Section 4.1 – Variances to Scope of Work

The scope of work performed during this Phase II ESA was done in general accordance with the Site-Specific Quality Assurance Project Plan (SSQAPP) Addendum 1.A approved on November 21, 2019.

Section 4.2 – Site Activities

Ground Penetrating Radar (GPR) Survey
On December 5, 2019, PM personnel visited the site to conduct a GPR survey to include use of a metal detector is recommended to attempt to locate the groundwater monitoring wells that could not be located during a previous site visit by ADEM. All groundwater monitoring wells were located, vegetation was cleared, and the area was marked to allow for ease of location identification.

Groundwater Sampling Event
On December 30-31, 2019, PM collected groundwater samples from nine monitoring wells (MW-5, MW-7, MW-9 through MW-15) with a maximum depth of 142 feet below ground surface (bgs) to assess the areas of concern identified in the March 15, 2018 ADEM Memorandum.

A total of ten groundwater samples (including one groundwater duplicate) were submitted for laboratory analysis of VOCs, RCRA-8 Metals plus Aluminum and Zinc, and Phenol (refer to the attached Table 1 for groundwater data).

The monitoring well locations are depicted on Figure 3. Specifically, the Phase II ESA activities were conducted in the following areas of the subject properties:

Description of Groundwater Sampling Locations

Location (Total Depth in feet bgs)	Analysis	Objectives	Groundwater Sample Selection (Justification)	Monitoring Well (Screen Interval in feet bgs)
MW-5 (60.5)	VOCs, RCRA-8 Metals plus Aluminum and Zinc, and Phenol	Assess the current groundwater concentrations beneath the WCU.	**Groundwater:** Sampled	40.5-60.5
MW-7 (37)	VOCs, RCRA-8 Metals plus Aluminum and Zinc, and Phenol	Assess the up-gradient boundary.	**Groundwater:** Sampled	27.0-37.0

Location (Total Depth in feet bgs)	Analysis	Objectives	Groundwater Sample Selection (Justification)	Monitoring Well (Screen Interval in feet bgs)
MW-9 (41)	VOCs, RCRA-8 Metals plus Aluminum and Zinc, and Phenol	Assess off-site concentrations.	**Groundwater:** Sampled	31.0-41.0
MW-10 (79.3)	VOCs, RCRA-8 Metals plus Aluminum and Zinc, and Phenol	Assess the up-gradient boundary.	**Groundwater:** Sampled	69.3-79.3
MW-11 (125.8)	VOCs, RCRA-8 Metals plus Aluminum and Zinc, and Phenol	Assess the current groundwater concentrations beneath the WCU.	**Groundwater:** Sampled	115.8-125.8
MW-12 (70)	VOCs, RCRA-8 Metals plus Aluminum and Zinc, and Phenol	Assess off-site concentrations.	**Groundwater:** Sampled	60.0-70.0
MW-13 (40)	VOCs, RCRA-8 Metals plus Aluminum and Zinc, and Phenol	Assess the up-gradient boundary.	**Groundwater:** Sampled	20.0-40.0
MW-14 (35)	VOCs, RCRA-8 Metals plus Aluminum and Zinc, and Phenol	Assess the down-gradient boundary.	**Groundwater:** Sampled	20.0-35.0
MW-15 (142)	VOCs, RCRA-8 Metals plus Aluminum and Zinc, and Phenol	Assess the down-gradient boundary.	**Groundwater:** Sampled	122.0-142.0

Section 4.2.1 – Groundwater Sampling Procedures

The groundwater monitoring wells were installed as part of previous site investigations. The monitoring wells MW-7, MW-9, MW-13, and MW-14 are screened at varying depths between 20 and 40 feet bgs; MW-5, MW-10, and MW-12 are screened at varying depths between 40 and 80 feet bgs; and MW-11 and MW-15 feet are screened at varying depths between 115 and 142 feet bgs.

The monitoring well caps were removed, and the wells were allowed to equilibrate for approximately 15 minutes. Groundwater elevations were recorded in all monitoring wells and referenced to a local datum plane. The oil/water interface probe was decontaminated after each use by washing it in an Alconox detergent solution followed by a distilled or potable water rinse.

All wells were gauged for the presence of free phase hydrocarbons (fph) utilizing an oil/water interface probe. Fph was not detected in any of the monitoring wells during these events.

Groundwater samples were collected utilizing dedicated disposable bailers, and placed directly into laboratory provided containers, labeled, and packed on ice for shipment. Prior to sampling, a minimum of three well volumes of groundwater was removed from the groundwater monitoring wells using dedicated, disposable, polyethylene bailers. Disposable latex or nitrile gloves were used during sample collection and were changed between each groundwater monitoring well. Intrinsic parameter data was collected after each well volume was removed.

Groundwater samples were submitted to Pace Analytical in Mt. Juliet, Tennessee for chemical analysis. A summary of well construction data, groundwater elevation, and analytical data is presented in Table 1. A summary of the intrinsic parameters collected during the December 30-31, 2019, groundwater monitoring event are presented in Table 2. The laboratory analytical reports are included in Appendix B.

Section 4.3 - Subsurface Geology and Hydrogeology

The general soil profile identified during previous site investigations consisted primarily of reddish brown clay with sand to approximately 9 feet bgs, with cherty-silty clay from approximately 9 to 64 feet bgs, limestone with minor clay lenses to approximately 70 feet, with limestone to 142 feet bgs. Groundwater was encountered in the monitoring wells MW-7, MW-9, MW-13, and MW-14 at 4.71 to 8.84 feet below Top of Casing (TOC); MW-5, MW-10, and MW-12 at 35.85 to 36.24 feet below TOC; and MW-11 and MW-15 at 34.52 to 38.75 feet below TOC.

The United States Geological Survey Division (U.S.G.S.) 7.5-Minute Topographic Map of the Florence, Alabama Quadrangle, 1971 for the subject property was reviewed in accordance with the ASTM standards (Figure 1). Based on the topographic map, the subject property is located at an elevation of 500-510 feet above mean sea level. The immediate subject property area appears to slope to the west.

Section 4.4 - Quality Assurance and Quality Control

During groundwater sampling the oil/water interface probe was cleaned between borings to minimize the possibility of cross contamination. These procedures included decontaminating equipment with a phosphate free solution (i.e., Alconox®) and rinsing with distilled water after each sample collection. An Equipment Blank was collected on December 31, 2019. A duplicate sample was collected from MW-5. Trip Blanks were secured in each cooler for analysis. Samples were placed in appropriately labeled containers with Teflon® lined lids and/or sanitized glass jars, placed in an ice packed cooler and transported under chain of custody procedures for laboratory analysis within applicable holding times.

SECTION 5.0 - CHEMICAL ANALYSIS

PM personnel collected ten groundwater samples (including one duplicate groundwater sample) from the subject property. Samples were submitted for laboratory analysis of VOCs, RCRA-8 Metals plus Aluminum and Zinc, and Phenol . The compounds analyzed and EPA methods are summarized in the following table:

Analytical Methods

SAMPLE ID	COMPOUNDS	EPA METHOD FOR GROUNDWATER
MW-5, MW-7, MW-9 through MW-15	VOCs	8260B
MW-5, MW-7, MW-9 through MW-15	Aluminum, Arsenic, Barium, Cadmium, Chromium, Lead, Selenium, and Silver	6010B
MW-5, MW-7, MW-9 through MW-15	Mercury	7470A
MW-5, MW-7, MW-9 through MW-15	Phenols	9066

SECTION 6.0 – PATHWAY ANALYSIS

The following exposure pathways were evaluated, including: groundwater ingestion, protection of groundwater (soil leaching to groundwater), groundwater-surface water interface, direct contact, and ambient and indoor air inhalation from contaminated soil and groundwater. The elimination of exposure pathways demonstrates that unacceptable exposures do not exist and that response activities are not required to prevent or mitigate unacceptable exposures.

The subject property is currently used commercially, which is consistent with Industrial/Commercial receptor exposure assumptions used to develop EPA RSLs, EPA Maximum Contaminant Level (MCL)-based Soil Screening Levels (SSLs), and Groundwater EPA RSLs, MCL Based. Based upon the current use and potential future Commercial/Industrial use of the subject property, the Industrial/Commercial RSLs are applicable. However, the Residential RSLs and TRGs are being considered as well in case the further redevelopment plans change.

EXPOSURE PATHWAYS				
Pathway	**Exposure Pathway Relevant?**		**If Pathway Is Relevant, Are Applicable Criteria Exceeded?** (Applicable Criteria)	
	Yes/No	**Justification**	**Residential**	**Industrial/ Commercial**
Groundwater Ingestion	No	• Connected to municipal water	NA	NA
Groundwater-Surface Water Interface	No	• Surface water is not in immediate contact with the property	No	No
Dermal Contact	Yes	• Target analyte concentrations are present in soil and/or groundwater at intervals where site occupants/utility workers could reasonably be expected to access them; However, the area of soil contamination is currently isolated by the WCU at the site.	No	No (EPA Groundwater RSLs - However, the area is currently isolated by the WCU at the site)

NA – Not Applicable

Based upon the above evaluation the EPA RSL, MCL based for Groundwater are applicable to the subject property.

SECTION 7.0 - ANALYTICAL RESULTS

Summaries of the groundwater analytical results from the December 2019 sampling activities are presented in Table 1 and Figure 4. Copies of the laboratory analytical reports are included in Appendix B.

Due to the current Commercial/Industrial use of the properties and possible future uses of the properties, the groundwater analytical results were compared with EPA MCL Based RSLs are presented in the table below.

Summary of Groundwater Exceedances

Sample ID	Screened Interval (feet bgs)	Analysis	Objectives	Groundwater Exceedance (Applicable RSL)
MW-5	40.5 - 60.5	VOCs, RCRA-8 Metals plus Aluminum and Zinc, and Phenol	Assess the current groundwater concentrations beneath the WCU.	1,1-Dichloroethene exceeding the EPA RSL, MCL based
MW-7	27.0 - 37.0	VOCs, RCRA-8 Metals plus Aluminum and Zinc, and Phenol	Assess the up-gradient boundary.	No Exceedances
MW-9	31.0 - 41.0	VOCs, RCRA-8 Metals plus Aluminum and Zinc, and Phenol	Assess off-site concentrations.	Lead exceeding the EPA RSL, MCL based
MW-10	69.3 - 79.3	VOCs, RCRA-8 Metals plus Aluminum and Zinc, and Phenol	Assess the up-gradient boundary.	No Exceedances
MW-11	115.8 - 125.8	VOCs, RCRA-8 Metals plus Aluminum and Zinc, and Phenol	Assess the current groundwater concentrations beneath the WCU.	No Exceedances
MW-12	60.0 - 70.0	VOCs, RCRA-8 Metals plus Aluminum and Zinc, and Phenol	Assess off-site concentrations.	No Exceedances
MW-13	20.0 - 40.0	VOCs, RCRA-8 Metals plus Aluminum and Zinc, and Phenol	Assess the up-gradient boundary.	No Exceedances
MW-14	20.0 - 35.0	VOCs, RCRA-8 Metals plus Aluminum and Zinc, and Phenol	Assess the down-gradient boundary.	No Exceedances
MW-15	122.0 - 142.0	VOCs, RCRA-8 Metals plus Aluminum and Zinc, and Phenol	Assess the down-gradient boundary.	No Exceedances

Summary of Groundwater Analytical Results

Laboratory analytical results (Table 1, Figure 4) identified concentrations of various Aluminum, Arsenic, Barium, Cadmium, Chromium, 1,1-Dichloroethane, 1,1-Dichloroethene, Lead, Mercury, Methyl-Tert-Butyl-Ether, Total Phenol, Selenium, Silver, Tetrachloroethene, and Zinc above laboratory MDLs in groundwater.

No groundwater concentrations detected above laboratory MDLs were identified above the EPA MCL based RSLs except: 1,1-Dichloroethene in MW-5 at 40.2 ppb with an EPA RSL of 7.0 ppb

and Lead in MW-9 at 59.8 ppb with an EPA RSL of 15.0 ppb. No other groundwater target analytes were detected above the laboratory MDLs.

SECTION 8.0 – INVESTIGATION DERIVED WASTE

Four drums of Investigation Derived Waste (IDW) were generated during this Phase II. The IDW will be transported for disposal at a later date and a Supplemental Letter documenting the disposal will be submitted at a later date.

SECTION 9.0 – CONCLUSIONS & RECOMMENDATIONS

The scope of work performed during this Phase II ESA was done in general accordance with the SSQAPP Addendum 1.A approved on November 21, 2019.

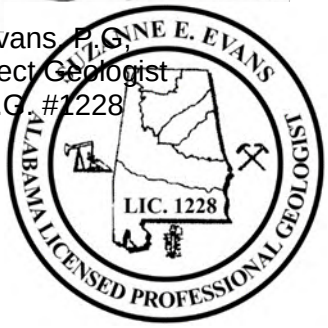
On December 30-31, 2019, PM collected a total of ten groundwater samples (including one groundwater duplicate) which were submitted for laboratory analysis of VOCs, RCRA-8 Metals plus Aluminum and Zinc, and Phenol. Of the concentrations exceeding the laboratory MDLs concentrations of 1,1-Dichloroethene in MW-5 at 40.2 ppb exceeded the EPA RSL of 7.0 ppb and Lead in MW-9 at 59.8 ppb exceeded the EPA RSL of 15.0 ppb. No other groundwater target analytes detected were above the laboratory MDLs.

If you have any questions related to this Phase II ESA report please do not hesitate to contact our office at 256-353-6222.

REPORT PREPARED BY:
PM Environmental, Inc.



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PM Environmental, Inc.



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REPORT REVIEWED BY:
PM Environmental, Inc.

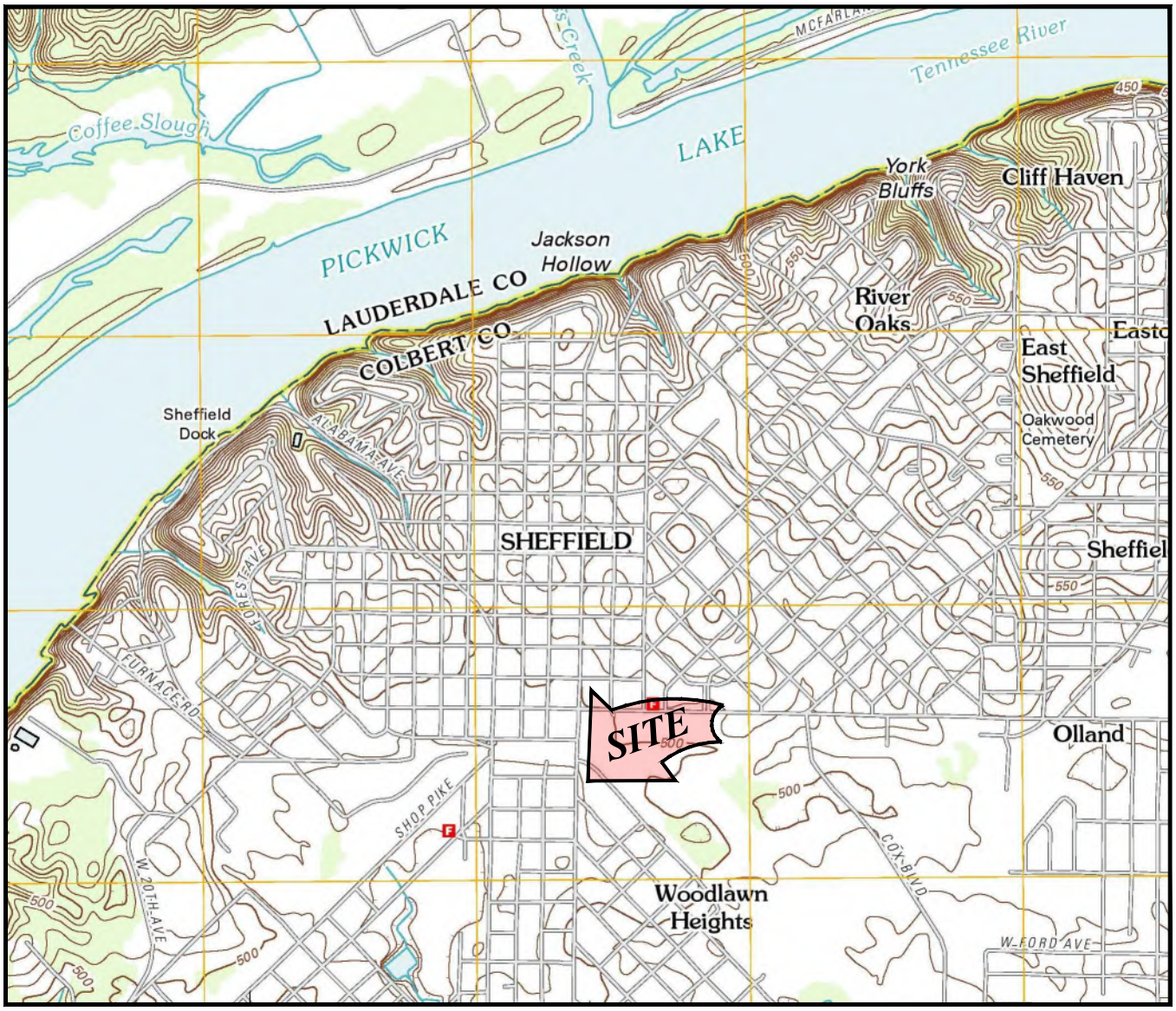


L. Gregory Stephenson, P.G.
Vice President
Alabama P.G. #742



Figures

PM ENVIRONMENTAL Environmental & Engineering Services





ALABAMA COUNTY LOCATIONS

COLBERT COUNTY

SCALE 1:24,000

1 MILE 1/2 MILE 0 1 MILE

FIGURE 1

PROPERTY VICINITY MAP

USGS, 7.5 MINUTE SERIES

FLORENCE, AL QUADRANGLE, 2011.

PM ENVIRONMENTAL | Environmental & Engineering Services

PROJ:
DELTA AUTOMOTIVE
103 SOUTH ATLANTA AVENUE
SHEFFIELD, AL

THIS IS NOT A LEGAL SURVEY

VERIFY SCALE
0 2,000'
IF NOT 1" ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRN BY: ES
DATE: 2/4/2019
CHKD BY: JH
SCALE: 1" = 2,000'
FILE NAME: 07-3738-0 W03F01R00

SOUTH ATLANTA AVENUE
VACANT PROPERTY

110 SOUTH ATLANTA AVENUE
COMMERCIAL PROPERTY

SOUTH ATLANTA AVENUE
VACANT PROPERTY

EAST ASHE STREET

200 SOUTH ATLANTA AVENUE
COMMERCIAL

SOUTH ATLANTA AVENUE

SOUTHERN RAILROAD

EAST 21ST STREET

OFFICE

NEW WAREHOUSE

WASTE CONTAINMENT UNIT

RESIDENTIAL WAREHOUSE

RESIDENTIAL

EAST 20TH STREET

RESIDENTIAL

COMMERCIAL PROPERTY
FORMER ALABAMA OIL
PROPERTY

NOTE: Figure was compiled from aerial photogrpahs, Colbert County tax maps, and Highland Technical Services

LEGEND:

SUBJECT PROPERTY
RAIL ROAD TRACKS
PARCEL / LOT BOUNDARIES

N

NOTE: Figure was created from a compilation of data from aerial photographs, Colbert County Tax Maps, and Highland Technical Services, Inc.'s 2001 Figures

PM ENVIRONMENTAL | Environmental & Engineering Services

FIGURE 2

GENERALIZED DIAGRAM OF THE SUBJECT PROPERTY AND ADJOINING PROPERTIES

PROJ:
DELTA AUTOMOTIVE
103 SOUTH ATLANTA AVENUE
SHEFFIELD, AL

THIS IS NOT A LEGAL SURVEY	DRN BY: ES	DATE: 2/4/2019
VERIFY SCALE 0 60' IF NOT 1" ON THIS SHEET, ADJUST SCALES ACCORDINGLY.	CHKD BY: JH	SCALE: 1" = 60'
	FILE NAME: 07-3738-0 WO3F00R00	

SOUTH
ATLANTA AVENUE
VACANT PROPERTY

110 SOUTH
ATLANTA AVENUE
COMMERCIAL PROPERTY

SOUTH
ATLANTA AVENUE
VACANT PROPERTY

REET

MW-12 MW-9

200 SOUTH
ATLANTA AVENUE
COMMERCIAL

SOUTH ATLANTA AVENUE

SOUTHERN RAILROAD

MW-14

MW-15

MW-13

EAST 21ST STREET

OFFICE

NEW WAREHOUSE

WASTE CONTAINMENT UNIT

MW-11

MW-5

RESIDENTIAL WAREHOUSE

MW-7

MW-10

RESIDENTIAL

RESIDENTIAL

COMMERCIAL PROPERTY
FORMER ALABAMA OIL
PROPERTY

EAST 20TH STREET

LEGEND:

- SUBJECT PROPERTY
- RAIL ROAD TRACKS
- PARCEL / LOT BOUNDARIES
- EXISTING MONITORING WELL

N

PM ENVIRONMENTAL | Environmental & Engineering Services

FIGURE 3

MONITORING WELL LOCATION MAP

PROJ:

DELTA AUTOMOTIVE
103 SOUTH ATLANTA AVENUE
SHEFFIELD, AL

THIS IS NOT A LEGAL SURVEY	DRN BY: ES	DATE: 2/4/2019
VERIFY SCALE 0 — 60' IF NOT 1" ON THIS SHEET, ADJUST SCALES ACCORDINGLY.	CHKD BY: JH	SCALE: 1" = 60'
	FILE NAME: 07-3738-0 WO3F00R00	

SOUTH ATLANTA AVENUE VACANT PROPERTY

110 SOUTH ATLANTA AVENUE COMMERCIAL PROPERTY

SOUTH ATLANTA AVENUE VACANT PROPERTY

EAST ASHE STREET

200 SOUTH ATLANTA AVENUE COMMERCIAL

SOUTH ATLANTA AVENUE

EAST 21ST STREET

SOUTHERN RAILROAD

EAST 20TH STREET

OFFICE

NEW WAREHOUSE

WASTE CONTAINMENT UNIT

RESIDENTIAL WAREHOUSE

RESIDENTIAL

RESIDENTIAL

COMMERCIAL PROPERTY FORMER ALABAMA OIL PROPERTY

MW-14 MW-15 MW-13 MW-11 MW-7 MW-12 MW-9 MW-5 MW-10

MW-15	
12/31/2019	
122.0 ~ 142.0'	SCREEN
UNITS	ug/L
VOCs	<MDL
Ba	33.9
OTHER METALs	<MDL
PHENOL(TOTAL)	<MDL

MW-14	
12/30/2019	
20.0 ~ 35.0'	SCREEN
UNITS	ug/L
VOCs	<MDL
Al	279
Ba	130
OTHER METALs	<MDL
PHENOL(TOTAL)	<MDL

MW-13	
12/31/2019	
20.0 ~ 40.0'	SCREEN
UNITS	ug/L
VOCs	<MDL
Al	230
Ba	53.6
OTHER METALs	<MDL
PHENOL(TOTAL)	<MDL

MW-11	
12/31/2019	
115.8 ~ 125.8'	SCREEN
UNITS	ug/L
VOCs	<MDL
Al	454
Ba	29.9
OTHER METALs	<MDL
PHENOL(TOTAL)	<MDL

MW-7	
12/30/2019	
27.0 ~ 37.0'	SCREEN
UNITS	ug/L
VOCs	<MDL
Ba	60.7
OTHER METALs	<MDL
PHENOL(TOTAL)	<MDL

MW-12	
12/30/2019	
60.0 ~ 70.0'	SCREEN
UNITS	ug/L
VOCs	<MDL
Al	1,830
Ba	285
Pb	13.1
Zn	57.3
OTHER METALs	<MDL
PHENOL(TOTAL)	<MDL

MW-9	
12/30/2019	
31.0 ~ 41.0'	SCREEN
UNITS	ug/L
VOCs	<MDL
Al	32,800
Ba	206
Cr	43.0
Pb	59.8
Zn	194
OTHER METALs	<MDL
PHENOL(TOTAL)	<MDL

MW-5		DUPLICATE	
12/31/2019		12/31/2019	
40.5 ~ 60.5'	SCREEN	40.5 ~ 60.5'	SCREEN
UNITS	ug/L	UNITS	ug/L
1,1-DCA	6.29	1,1-DCA	6.36
1,1-DCE	40.2	1,1-DCE	34.4
TCE	2.24	TCE	1.64
OTHER VOCs	<MDL	OTHER VOCs	<MDL
Al	1,000	Al	842
Ba	29.5	Ba	41.4
OTHER METALs	<MDL	Pb	7.56
PHENOL(TOTAL)	<MDL	Zn	64.1
		OTHER METALs	<MDL
		PHENOL(TOTAL)	<MDL

MW-10	
12/30/2019	
69.3 ~ 79.3'	SCREEN
UNITS	ug/L
MTBE	1.23
OTHER VOCs	<MDL
Al	7,310
Ba	68.1
Pb	5.75
Zn	69.6
OTHER METALs	<MDL
PHENOL(TOTAL)	<MDL

LEGEND:

- SUBJECT PROPERTY
- RAIL ROAD TRACKS
- PARCEL / LOT BOUNDARIES
- EXISTING MONITORING WELL

Al	ALUMINUM
Ba	BARIUM
Cr	CHROMIUM
Pb	LEAD
Zn	ZINC
TCE	TRICHLOROETHENE
MTBE	METHYL TERT BUTYL ETHER
1,1-DCA	1,1-DICHLOROETHANE
1,1-DCE	1,1-DICHLOROETHYLENE
VOCs	VOLATILE ORGANIC COMPOUNDS
MDL	METHOD DETECTION LIMIT

- VALUE EXCEEDS APPLICABLE CRITERIA

NOTES: REFER TO TABLES FOR SPECIFIC COMPOUNDS ANALYZED

N

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FIGURE 4

MONITORING WELL LOCATION MAP
WITH GROUNDWATER ANALYTICAL RESULTS

PROJ:
DELTA AUTOMOTIVE
103 SOUTH ATLANTA AVENUE
SHEFFIELD, AL

THIS IS NOT A LEGAL SURVEY

VERIFY SCALE
0 60'
IF NOT 1" ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRN BY: ES/CS
CHKD BY: JH/SE
DATE: 1/13/2020
SCALE: 1" = 60'
FILE NAME: 07-3738-0 WO34F00R00

Appendix D

PM ENVIRONMENTAL Environmental & Engineering Services

ENVIRONMENTAL DATABASE SEARCH

103 S Atlanta Ave
103 S Atlanta Ave
Sheffield, AL 35660

Inquiry Number: 05900101.2r
December 10, 2019

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Detail Map	3
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Map Findings	8
Orphan Summary	211
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting Source Map	A-7
Physical Setting Source Map Findings	A-8
Physical Setting Source Records Searched	PSGR-1

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

103 S ATLANTA AVE
SHEFFIELD, AL 35660

COORDINATES

Latitude (North):	34.7573300 - 34° 45' 26.38''
Longitude (West):	87.6946070 - 87° 41' 40.58''
Universal Tranverse Mercator:	Zone 16
UTM X (Meters):	436427.4
UTM Y (Meters):	3846155.2
Elevation:	492 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	6700616 FLORENCE, AL
Version Date:	2014
South Map:	6698494 TUSCUMBIA, AL
Version Date:	2014

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20151013, 20150726
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
103 S ATLANTA AVE
SHEFFIELD, AL 35660

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	WHATEVER IT TAKES TR	103 S ATLANTA AVE	EDR Hist Auto		TP
A2	DELTA AUTOMOTIVE INC	103 SOUTH ATLANTA AV	CORRACTS, RCRA-TSDF, RCRA NonGen / NLR, EPA WATCH...		TP
A3	ABANDONED	103 SOUTH ATLANTA AV	ENG CONTROLS, INST CONTROL		TP
A4	BANCON INC	1301 EAST 21ST STREE	RCRA NonGen / NLR, FINDS, ECHO	Higher	10, 0.002, ESE
B5	READY MIX USA BLUE S	14TH AVE SW?	UST, Financial Assurance	Higher	240, 0.045, ENE
B6	READY MIX USA BLUE S	14TH AVE SW?	AST	Higher	240, 0.045, ENE
7	SMITTYS WRECKER SERV	1ST ST & ANNAPOLIS	EDR Hist Auto	Higher	278, 0.053, NNW
8	ALABAMA OIL CO OF SH	1314 21ST ST	EDR Hist Auto	Higher	309, 0.059, SE
9	M & M DEPOT	500 E 2ND ST	EDR Hist Auto	Higher	522, 0.099, NNE
C10	BOX GULF SERVICE STA	400 E 2ND STREET	EDR Hist Auto	Higher	573, 0.109, North
C11	JC BOXS TEXACO	400 E 2ND ST & ATLAN	UST, Financial Assurance	Higher	573, 0.109, North
12	JOHNSONS AUTO SALES	102 NORTH COLUMBIA A	RCRA-VSQG, FINDS, ECHO	Higher	582, 0.110, NW
C13	SMITHS AUTO SERVICE	320 E 2ND ST	EDR Hist Auto	Higher	650, 0.123, NNW
C14	JR'S EXXON	320 E 2ND ST NEAR AT	UST, Financial Assurance	Higher	650, 0.123, NNW
D15	QUIK MART #41 SHELL	532 E 2ND ST & WOODW	UST, Financial Assurance	Higher	886, 0.168, NNE
D16	JOHN HOLT SERVICE ST	515 E 2ND ST & DOVER	UST, Financial Assurance	Higher	930, 0.176, NNE
17	221 NORTH COLUMBIA A	221 NORTH COLUMBIA A	US BROWNFIELDS, FINDS	Higher	1049, 0.199, NNW
18	YELLOW CAB CO	213 N NASHVILLE	UST, Financial Assurance	Higher	1142, 0.216, NW
E19	RACEWAY SERVICE STAT	100 S MONTGOMERY	UST, Financial Assurance	Lower	1177, 0.223, West
20	SWOOPES NU-WAY CLEAN	105 N MONTGOMERY AVE	RCRA NonGen / NLR	Lower	1184, 0.224, WNW
E21	RACEWAY 886	100 MONTGOMERY STREE	LUST	Lower	1237, 0.234, West
22	BIGUNS MARKET (ZIPPY	700 W MONTGOMERY AVE	UST, Financial Assurance	Lower	1241, 0.235, WSW
F23	SAM T CARTER OIL COM	604 EAST 2ND ST & EA	AST	Higher	1244, 0.236, NE
F24	SAM T CARTER OIL COM	604 EAST 2ND ST & EA	LUST, UST, Financial Assurance	Higher	1296, 0.245, NE
F25	CARTER OIL COMPANY	604 EAST 2ND ST	LUST	Higher	1296, 0.245, NE
F26	CARTER OIL COMPANY	604 EAST SECOND STRE	LUST	Higher	1296, 0.245, NE
G27	HOLTS SERVICE STATIO	401 S MONTGOMERY AVE	UST, Financial Assurance	Lower	1310, 0.248, SW
G28	JOHN HOLT'S STATION	401 SOUTH MONTGOMERY	LUST	Lower	1310, 0.248, SW
G29	FORMER NELDA STEPHEN	320 SOUTH MONTGOMERY	LUST	Lower	1444, 0.273, WSW
G30	TOWN PLAZA SERVICE S	322 S MONTGOMERY	LUST	Lower	1576, 0.298, SW
31	PRIDE LAUNDRY AND CL	215 RALEIGH AVENUE N	US BROWNFIELDS, FINDS	Higher	1661, 0.315, NW
32	KERR-MCGEE (124-7098	E 2ND ST	LUST	Higher	1993, 0.377, ENE
H33	SHEFFIELD TOBACCO &	100 WEST 5TH ST & AL	LUST, UST, Financial Assurance	Higher	2109, 0.399, NW
H34	PENNYS MARKET (JAN'S	100 W 5TH ST	LUST	Higher	2109, 0.399, NW
35	FORMER PAPER AND CHE	201 FRANKFORT AVENUE	US BROWNFIELDS	Higher	2230, 0.422, WNW
36	SHEFFIELD POLICE DEP	600 N MONTGOMERY AVE	LUST	Higher	2450, 0.464, NNW
37	MARLEY FLOORS (USA)	200 WEST 6TH STREET	SEMS-ARCHIVE, RCRA NonGen / NLR	Higher	2637, 0.499, NNW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
WHATEVER IT TAKES TR 103 S ATLANTA AVE SHEFFIELD, AL 35660	EDR Hist Auto	N/A
DELTA AUTOMOTIVE INC 103 SOUTH ATLANTA AV SHEFFIELD, AL 35660	CORRACTS EPA ID:: ALD982123127 RCRA-TSDF EPA ID:: ALD982123127 RCRA NonGen / NLR EPA ID:: ALD982123127 EPA WATCH LIST Facility ID: ALD982123127 2020 COR ACTION EPA ID:: ALD982123127 ICIS FRS ID:: 110000608708 FINDS Registry ID:: 110000608708 ECHO Registry ID: 110000608708	ALD982123127
ABANDONED 103 SOUTH ATLANTA AV SHEFFIELD, AL	ENG CONTROLS Master ID: 3825 EPA ID: ALD982123127 INST CONTROL	N/A

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL ---------- National Priority List

EXECUTIVE SUMMARY

Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL ---------- National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY ---------- Federal Facility Site Information listing
SEMS ---------- Superfund Enterprise Management System

Federal RCRA generators list

RCRA-LQG ---------- RCRA - Large Quantity Generators
RCRA-SQG ---------- RCRA - Small Quantity Generators

Federal institutional controls / engineering controls registries

LUCIS ---------- Land Use Control Information System
US ENG CONTROLS ---------- Engineering Controls Sites List
US INST CONTROL ---------- Sites with Institutional Controls

Federal ERNS list

ERNS ---------- Emergency Response Notification System

State- and tribal - equivalent CERCLIS

SHWS ---------- Hazardous Substance Cleanup Fund

State and tribal landfill and/or solid waste disposal site lists

SWF/LF ---------- Permitted Landfills

State and tribal leaking storage tank lists

LAST ---------- List of AST Release Incidents
INDIAN LUST ---------- Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

FEMA UST ---------- Underground Storage Tank Listing
INDIAN UST ---------- Underground Storage Tanks on Indian Land

State and tribal institutional control / engineering control registries

AUL ---------- Environmental Covenants

State and tribal voluntary cleanup sites

VCP ---------- Cleanup Program Inventory
INDIAN VCP ---------- Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

BROWNFIELDS ---------- Land Division Brownfields 128(a) Program Site Listing

EXECUTIVE SUMMARY

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY	Recycling/Recovered Materials Processors Directory
INDIAN ODI	Report on the Status of Open Dumps on Indian Lands
DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations
ODI	Open Dump Inventory
IHS OPEN DUMPS	Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

AOCONCERN	Area of Concern
US HIST CDL	Delisted National Clandestine Laboratory Register
CDL	Clandestine Methamphetamine Lab Sites
US CDL	National Clandestine Laboratory Register
PFAS	PFAS Contamination Site Listing

Local Lists of Registered Storage Tanks

HIST UST	Underground Storage Tank Information

Local Land Records

LIENS 2	CERCLA Lien Information

Records of Emergency Release Reports

HMIRS	Hazardous Materials Information Reporting System
SPILLS	Emergency Response Data

Other Ascertainable Records

FUDS	Formerly Used Defense Sites
DOD	Department of Defense Sites
SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR	Financial Assurance Information
TSCA	Toxic Substances Control Act
TRIS	Toxic Chemical Release Inventory System
SSTS	Section 7 Tracking Systems
ROD	Records Of Decision
RMP	Risk Management Plans
RAATS	RCRA Administrative Action Tracking System
PRP	Potentially Responsible Parties
PADS	PCB Activity Database System
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS	Material Licensing Tracking System
COAL ASH DOE	Steam-Electric Plant Operation Data
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER	PCB Transformer Registration Database
RADINFO	Radiation Information Database
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing

DOT OPS ---- Incident and Accident Data
CONSENT ---- Superfund (CERCLA) Consent Decrees
INDIAN RESERV ---- Indian Reservations
FUSRAP ---- Formerly Utilized Sites Remedial Action Program
UMTRA ---- Uranium Mill Tailings Sites
LEAD SMELTERS ---- Lead Smelter Sites
US AIRS ---- Aerometric Information Retrieval System Facility Subsystem
US MINES ---- Mines Master Index File
ABANDONED MINES ---- Abandoned Mines
UXO ---- Unexploded Ordnance Sites
DOCKET HWC ---- Hazardous Waste Compliance Docket Listing
FUELS PROGRAM ---- EPA Fuels Program Registered Listing
COAL ASH ---- Coal Ash Disposal Sites
DRYCLEANERS ---- Drycleaner Facility Listing
Financial Assurance ---- Financial Assurance Information Listing
NPDES ---- NPDES Permit Listing
TIER 2 ---- Tier 2 Data Listing
UIC ---- UIC Listing
MINES MRDS ---- Mineral Resources Data System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP ---- EDR Proprietary Manufactured Gas Plants
EDR Hist Cleaner ---- EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS ---- Recovered Government Archive State Hazardous Waste Facilities List
RGA LUST ---- Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

A review of the SEMS-ARCHIVE list, as provided by EDR, and dated 10/25/2019 has revealed that there is 1 SEMS-ARCHIVE site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MARLEY FLOORS (USA)	***200 WEST 6TH STREET***	***NNW 1/4 - 1/2 (0.499 mi.)***	***37***	***207***
Site ID: 0404294				
EPA Id: ALD004002655				

Federal RCRA generators list

RCRA-VSQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-VSQG list, as provided by EDR, and dated 06/24/2019 has revealed that there is 1 RCRA-VSQG site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
JOHNSONS AUTO SALES	***102 NORTH COLUMBIA A***	***NW 0 - 1/8 (0.110 mi.)***	***12***	***85***
EPA ID:: ALR000000851				

State and tribal leaking storage tank lists

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Department of Environmental Management's Leaking Underground Storage Tank Listing.

A review of the LUST list, as provided by EDR, and dated 09/04/2019 has revealed that there are 11 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SAM T CARTER OIL COM	***604 EAST 2ND ST & EA***	***NE 1/8 - 1/4 (0.245 mi.)***	***F24***	***145***
Facility ID: 1817				
CARTER OIL COMPANY	604 EAST 2ND ST	NE 1/8 - 1/4 (0.245 mi.)	F25	169

Facility ID: 1817				
CARTER OIL COMPANY Facility ID: 1817	604 EAST SECOND STRE	NE 1/8 - 1/4 (0.245 mi.)	F26	169
KERR-MCGEE (124-7098 Facility ID: 3804	E 2ND ST	ENE 1/4 - 1/2 (0.377 mi.)	32	186
SHEFFIELD TOBACCO & Facility ID: 5765	***100 WEST 5TH ST & AL***	***NW 1/4 - 1/2 (0.399 mi.)***	***H33***	***186***
PENNYS MARKET (JAN'S Facility ID: 5765	100 W 5TH ST	NW 1/4 - 1/2 (0.399 mi.)	H34	200
SHEFFIELD POLICE DEP Facility ID: 1797	600 N MONTGOMERY AVE	NNW 1/4 - 1/2 (0.464 mi.)	36	207

Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
RACEWAY 886 Facility ID: 7778	100 MONTGOMERY STREE	W 1/8 - 1/4 (0.234 mi.)	E21	135
JOHN HOLT'S STATION Facility ID: 5783	401 SOUTH MONTGOMERY	SW 1/8 - 1/4 (0.248 mi.)	G28	175
FORMER NELDA STEPHEN Facility ID: 22	320 SOUTH MONTGOMERY	WSW 1/4 - 1/2 (0.273 mi.)	G29	176
TOWN PLAZA SERVICE S Facility ID: 12390	322 S MONTGOMERY	SW 1/4 - 1/2 (0.298 mi.)	G30	176

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Management's UST Data with Owner/Site/Tank Information database.

A review of the UST list, as provided by EDR, and dated 06/24/2019 has revealed that there are 10 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
READY MIX USA BLUE S Facility ID: 14502 33 236	***14TH AVE SW?***	***ENE 0 - 1/8 (0.045 mi.)***	***B5***	***65***
JC BOXS TEXACO Facility ID: 11732 33 4341	***400 E 2ND ST & ATLAN***	***N 0 - 1/8 (0.109 mi.)***	***C11***	***74***
JR'S EXXON Facility ID: 10094 33 6901	***320 E 2ND ST NEAR AT***	***NNW 0 - 1/8 (0.123 mi.)***	***C14***	***88***
QUIK MART #41 SHELL Facility ID: 11661 33 4338	***532 E 2ND ST & WOODW***	***NNE 1/8 - 1/4 (0.168 mi.)***	***D15***	***102***
JOHN HOLT SERVICE ST Facility ID: 12857 33 10038	***515 E 2ND ST & DOVER***	***NNE 1/8 - 1/4 (0.176 mi.)***	***D16***	***113***
YELLOW CAB CO Facility ID: 13945 33 13756	***213 N NASHVILLE***	***NW 1/8 - 1/4 (0.216 mi.)***	***18***	***124***
SAM T CARTER OIL COM	***604 EAST 2ND ST & EA***	***NE 1/8 - 1/4 (0.245 mi.)***	***F24***	***145***

Facility ID: 14287 33 1817

Lower Elevation	Address	Direction / Distance	Map ID	Page
RACEWAY SERVICE STAT Facility ID: 14001 33 7778	***100 S MONTGOMERY***	***W 1/8 - 1/4 (0.223 mi.)***	***E19***	***127***
BIGUNS MARKET (ZIPPY Facility ID: 20023 33 4262	***700 W MONTGOMERY AVE***	***WSW 1/8 - 1/4 (0.235 mi.)***	***22***	***136***
HOLTS SERVICE STATIO Facility ID: 10138 33 5783	***401 S MONTGOMERY AVE***	***SW 1/8 - 1/4 (0.248 mi.)***	***G27***	***170***

AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the Department of Environmental Management's AST Data with Owner/Site/Tank Information database.

A review of the AST list, as provided by EDR, and dated 06/24/2019 has revealed that there are 2 AST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
READY MIX USA BLUE S Facility Id: 14502 33 236	14TH AVE SW?	ENE 0 - 1/8 (0.045 mi.)	B6	70
SAM T CARTER OIL COM Facility Id: 14287 33 1817	604 EAST 2ND ST & EA	NE 1/8 - 1/4 (0.236 mi.)	F23	141

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: The EPA's listing of Brownfields properties from the Cleanups in My Community program, which provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

A review of the US BROWNFIELDS list, as provided by EDR, and dated 06/03/2019 has revealed that there are 3 US BROWNFIELDS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
221 NORTH COLUMBIA A ACRES property ID: 205144	***221 NORTH COLUMBIA A***	***NNW 1/8 - 1/4 (0.199 mi.)***	***17***	***121***
PRIDE LAUNDRY AND CL ACRES property ID: 169463	***215 RALEIGH AVENUE N***	***NW 1/4 - 1/2 (0.315 mi.)***	***31***	***176***
FORMER PAPER AND CHE ACRES property ID: 175362	201 FRANKFORT AVENUE	WNW 1/4 - 1/2 (0.422 mi.)	35	201

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 06/24/2019 has revealed that there are 2 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BANCON INC EPA ID:: ALR000006262	***1301 EAST 21ST STREE***	***ESE 0 - 1/8 (0.002 mi.)***	***A4***	***63***

Lower Elevation	Address	Direction / Distance	Map ID	Page
SWOOPES NU-WAY CLEAN EPA ID:: ALN960605002	105 N MONTGOMERY AVE	WNW 1/8 - 1/4 (0.224 mi.)	20	134

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there are 5 EDR Hist Auto sites within approximately 0.125 miles of the target property.

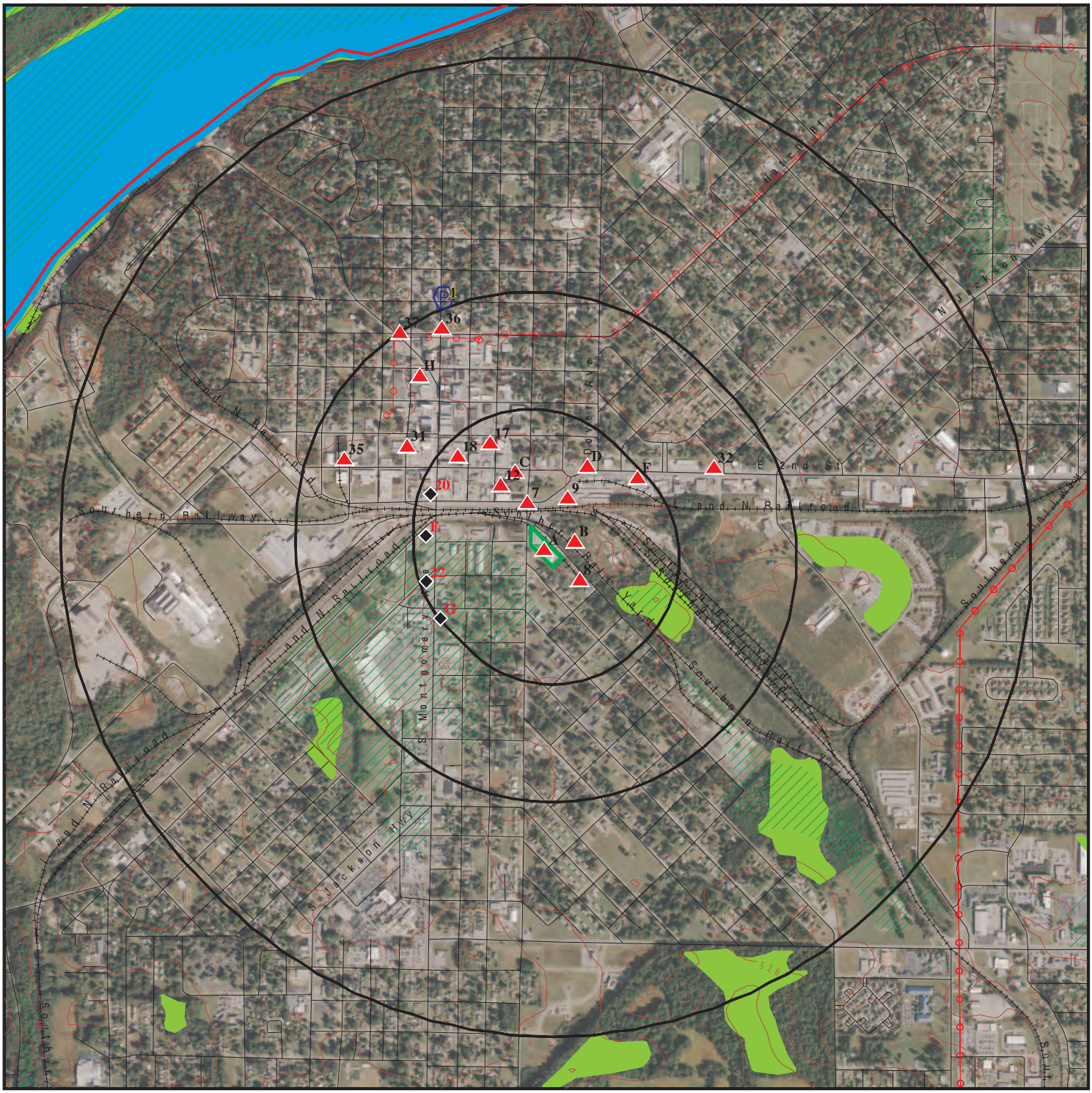
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SMITTYS WRECKER SERV	1ST ST & ANNAPOLIS	NNW 0 - 1/8 (0.053 mi.)	7	72
ALABAMA OIL CO OF SH	1314 21ST ST	SE 0 - 1/8 (0.059 mi.)	8	72
M & M DEPOT	500 E 2ND ST	NNE 0 - 1/8 (0.099 mi.)	9	73
BOX GULF SERVICE STA	400 E 2ND STREET	N 0 - 1/8 (0.109 mi.)	C10	73
SMITHS AUTO SERVICE	320 E 2ND ST	NNW 0 - 1/8 (0.123 mi.)	C13	87

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 1 records.

Site Name	Database(s)
LADY ENSLEY FURNACE/OLD DUMP/FORME	VCP

OVERVIEW MAP - 05900101.2R



0 1/4 1/2 1 Miles

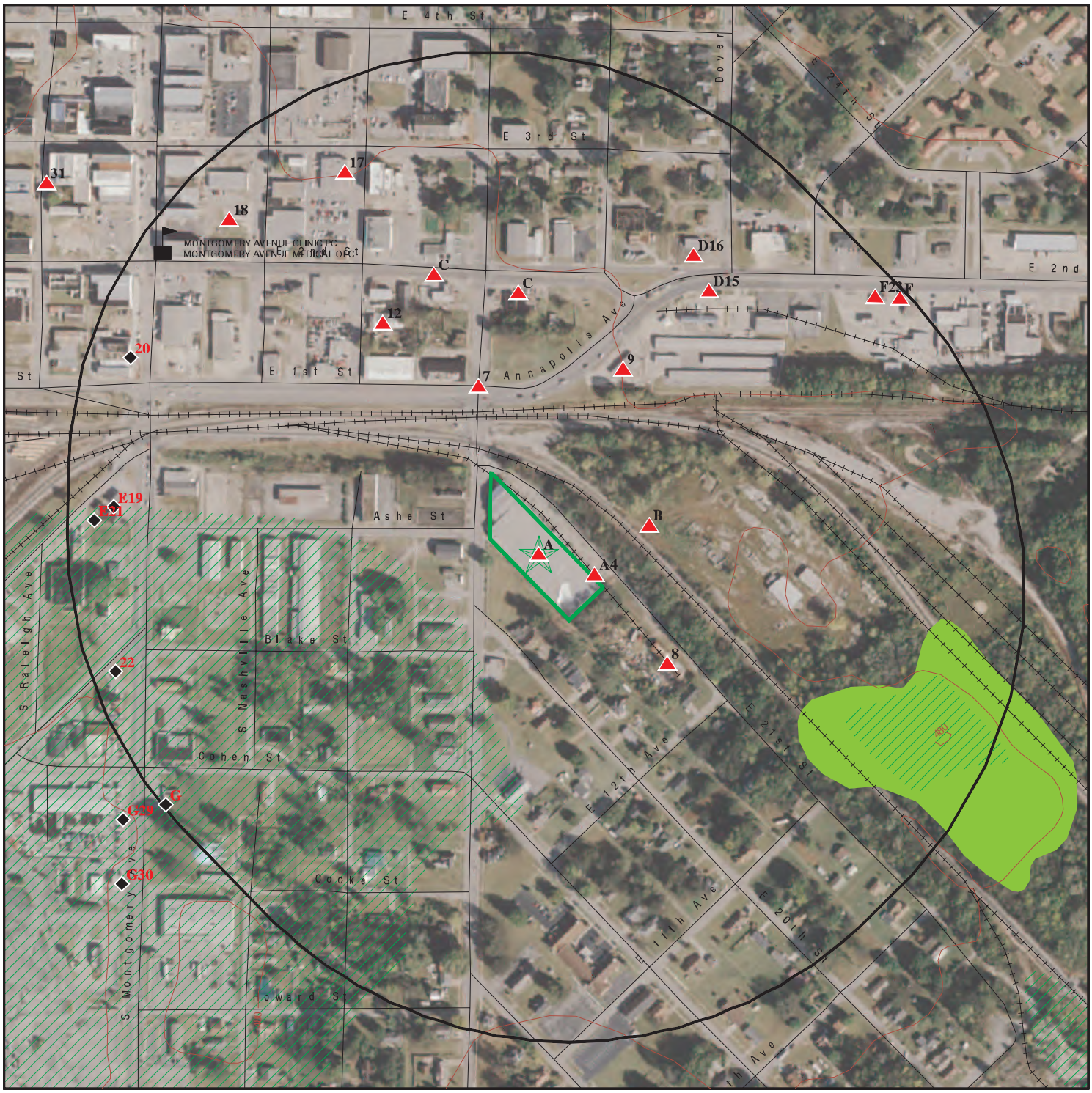
- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- County Boundary
- Power transmission lines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	103 S Atlanta Ave	CLIENT:	PM Environmental, Inc.
ADDRESS:	103 S Atlanta Ave Sheffield AL 35660	CONTACT:	Alaina Matthews
		INQUIRY #:	05900101.2r
LAT/LONG:	34.75733 / 87.694607	DATE:	December 10, 2019 1:30 pm

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DETAIL MAP - 05900101.2R



0 1/16 1/8 1/4 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	103 S Atlanta Ave	CLIENT:	PM Environmental, Inc.
ADDRESS:	103 S Atlanta Ave Sheffield AL 35660	CONTACT:	Alaina Matthews
		INQUIRY #:	05900101.2r
LAT/LONG:	34.75733 / 87.694607	DATE:	December 10, 2019 1:30 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500		0	0	1	NR	NR	1
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000	1	0	0	0	0	NR	1
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500	1	0	0	0	NR	NR	1
Federal RCRA generators list								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		1	0	NR	NR	NR	1
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent CERCLIS								
SHWS	1.000		0	0	0	0	NR	0
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
LUST	0.500		0	5	6	NR	NR	11
LAST	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
UST	0.250		3	7	NR	NR	NR	10
AST	0.250		1	1	NR	NR	NR	2
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
ENG CONTROLS	0.500	1	0	0	0	NR	NR	1
AUL	0.500		0	0	0	NR	NR	0
INST CONTROL	0.500	1	0	0	0	NR	NR	1
State and tribal voluntary cleanup sites								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	1	2	NR	NR	3
Local Lists of Landfill / Solid Waste Disposal Sites								
SWRCY	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
AOCONCERN	1.000		0	0	0	0	NR	0
US HIST CDL	TP		NR	NR	NR	NR	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
PFAS	0.500		0	0	0	NR	NR	0
Local Lists of Registered Storage Tanks								
HIST UST	0.250		0	0	NR	NR	NR	0
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
SPILLS	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250	1	1	1	NR	NR	NR	3

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP	1	NR	NR	NR	NR	NR	1
2020 COR ACTION	0.250	1	0	0	NR	NR	NR	1
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP	1	NR	NR	NR	NR	NR	1
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP	1	NR	NR	NR	NR	NR	1
ECHO	TP	1	NR	NR	NR	NR	NR	1
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
COAL ASH	0.500		0	0	0	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
TIER 2	TP		NR	NR	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
MINES MRDS	TP		NR	NR	NR	NR	NR	0

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125	1	5	NR	NR	NR	NR	6
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA HWS	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		11	11	15	9	0	0	46

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 **WHATEVER IT TAKES TRANSMISSION** **EDR Hist Auto** **1021174923**
Target **103 S ATLANTA AVE** **N/A**
Property **SHEFFIELD, AL 35660**

Site 1 of 4 in cluster A

Actual: EDR Hist Auto
492 ft.

Year:	Name:	Type:
2005	WHATEVER IT TAKES TRANSMISSION	Automotive Transmission Repair Shops

---

A2 **DELTA AUTOMOTIVE INC.** **CORRACTS** **1000394738**
Target **103 SOUTH ATLANTA AVENUE** **RCRA-TSDF** **ALD982123127**
Property **SHEFFIELD, AL 35660** **RCRA NonGen / NLR**
EPA WATCH LIST

Site 2 of 4 in cluster A **2020 COR ACTION**
ICIS

Actual: **FINDS**
492 ft. **ECHO**

CORRACTS:

EPA ID:	ALD982123127
EPA Region:	04
Area Name:	ENTIRE FACILITY
Actual Date:	2007-10-18 00:00:00.0
Action:	CA200 - RFI Approved
NAICS Code(s):	Not reported
Original schedule date:	Not reported
Schedule end date:	Not reported

EPA ID:	ALD982123127
EPA Region:	04
Area Name:	SWMU-12: FORMER M. SPIRITS STORAGE AREA
Actual Date:	2007-10-18 00:00:00.0
Action:	CA109
NAICS Code(s):	Not reported
Original schedule date:	Not reported
Schedule end date:	Not reported

EPA ID:	ALD982123127
EPA Region:	04
Area Name:	SWMU-12: FORMER M. SPIRITS STORAGE AREA
Actual Date:	2003-06-12 00:00:00.0
Action:	CA108
NAICS Code(s):	Not reported
Original schedule date:	Not reported
Schedule end date:	Not reported

EPA ID:	ALD982123127
EPA Region:	04
Area Name:	SITE-WIDE GROUNDWATER
Actual Date:	2002-02-11 00:00:00.0
Action:	CA025
NAICS Code(s):	Not reported
Original schedule date:	Not reported
Schedule end date:	Not reported

EPA ID:	ALD982123127
EPA Region:	04
Area Name:	SITE-WIDE GROUNDWATER

DELTA AUTOMOTIVE INC. (Continued) **1000394738**

Actual Date: 2001-12-14 00:00:00.0
Action: CA492GW
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: ALD982123127
EPA Region: 04
Area Name: SITE-WIDE GROUNDWATER
Actual Date: 2001-11-01 00:00:00.0
Action: CA491GW
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: ALD982123127
EPA Region: 04
Area Name: SWMU-12: FORMER M. SPIRITS STORAGE AREA
Actual Date: 2001-10-30 00:00:00.0
Action: CA107
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: ALD982123127
EPA Region: 04
Area Name: SITE-WIDE GROUNDWATER
Actual Date: 2001-10-30 00:00:00.0
Action: CA024
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: ALD982123127
EPA Region: 04
Area Name: SWMU-12: FORMER M. SPIRITS STORAGE AREA
Actual Date: 2001-08-30 00:00:00.0
Action: CA106
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: ALD982123127
EPA Region: 04
Area Name: SWMU-12: FORMER M. SPIRITS STORAGE AREA
Actual Date: 2001-06-18 00:00:00.0
Action: CA104
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: ALD982123127
EPA Region: 04
Area Name: SITE-WIDE GROUNDWATER
Actual Date: 2001-05-11 00:00:00.0
Action: CA024
NAICS Code(s): Not reported

DELTA AUTOMOTIVE INC. (Continued) **1000394738**

Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: ALD982123127
EPA Region: 04
Area Name: SWMU-12: FORMER M. SPIRITS STORAGE AREA
Actual Date: 2001-04-02 00:00:00.0
Action: CA102
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: ALD982123127
EPA Region: 04
Area Name: SITE-WIDE GROUNDWATER
Actual Date: 2001-02-28 00:00:00.0
Action: CA024
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: ALD982123127
EPA Region: 04
Area Name: SITE-WIDE GROUNDWATER
Actual Date: 2001-02-26 00:00:00.0
Action: CA024
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: ALD982123127
EPA Region: 04
Area Name: ENTIRE FACILITY
Actual Date: 2000-07-13 00:00:00.0
Action: CA050RF - RFA Completed, Assessment was an RFA
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: ALD982123127
EPA Region: 04
Area Name: ENTIRE FACILITY
Actual Date: 2000-06-20 00:00:00.0
Action: CA024
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: ALD982123127
EPA Region: 04
Area Name: ENTIRE FACILITY
Actual Date: 2000-05-26 00:00:00.0
Action: CA025FC
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

DELTA AUTOMOTIVE INC. (Continued) **1000394738**

EPA ID: ALD982123127
EPA Region: 04
Area Name: ENTIRE FACILITY
Actual Date: 1999-07-27 00:00:00.0
Action: CA492GW
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: ALD982123127
EPA Region: 04
Area Name: ENTIRE FACILITY
Actual Date: 1999-04-30 00:00:00.0
Action: CA025FC
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: ALD982123127
EPA Region: 04
Area Name: ENTIRE FACILITY
Actual Date: 1998-06-25 00:00:00.0
Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

RCRA-TSDF:
Date form received by agency: 2004-04-27 00:00:00.0
Facility name: DELTA AUTOMOTIVE INC.
Facility address: 103 SOUTH ATLANTA AVENUE
SHEFFIELD, AL 35660
EPA ID: ALD982123127
Mailing address: SOUTH ATLANTA AVENUE
SHEFFIELD, AL 35660
Contact: BENJAMIN LAW
Contact address: 103 SOUTH ATLANTA AVENUE
SHEFFIELD, AL 35660
Contact country: US
Contact telephone: 256-383-9181
Contact email: Not reported
EPA Region: 04
Land type: Private
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: DELTA AUTOMOTIVE
Owner/operator address: 103 SOUTH ATLANTA AVE
SHEFFIELD, AL 35660
Owner/operator country: Not reported
Owner/operator telephone: 256-383-9181

DELTA AUTOMOTIVE INC. (Continued) **1000394738**

Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 1776-01-01 00:00:00.0
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 2002-07-29 00:00:00.0
Site name: DELTA AUTOMOTIVE INC.
Classification: Not a generator, verified

Date form received by agency: 1995-10-23 00:00:00.0
Site name: DELTA AUTOMOTIVE INC.
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 1994-02-03 00:00:00.0
Site name: DELTA AUTOMOTIVE, INC.
Classification: Large Quantity Generator

Date form received by agency: 1992-03-12 00:00:00.0
Site name: DELTA AUTOMOTIVE INC
Classification: Large Quantity Generator

Date form received by agency: 1992-01-15 00:00:00.0
Site name: DELTA AUTOMOTIVE INC.
Classification: Small Quantity Generator

Date form received by agency: 1990-10-03 00:00:00.0
Site name: DELTA AUTOMOTIVE INC
Classification: Large Quantity Generator

Hazardous Waste Summary:

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED

DELTA AUTOMOTIVE INC. (Continued) **1000394738**

FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Corrective Action Summary:

Event date: 1998-01-13 00:00:00.0
Event: RFA VSI CONDUCTED

Event date: 1998-06-10 00:00:00.0
Event: -MISSING EVENT NAME-

Event date: 1998-06-25 00:00:00.0
Event: DRAFT RFA REPORT RECEIVED/PREPARED

Event date: 1998-06-25 00:00:00.0
Event: CA PRIORITIZATION-LOW CA PRIORITY

Event date: 1998-06-29 00:00:00.0
Event: DOCUMENT SENT FOR INTERNAL COMMENT - ADEM GROUNDWATER BRANCH

Event date: 1998-07-30 00:00:00.0
Event: FEE LETTER SENT

Event date: 1998-09-03 00:00:00.0
Event: FEES RECEIVED

Event date: 1998-09-15 00:00:00.0
Event: -MISSING EVENT NAME-

Event date: 1998-09-18 00:00:00.0
Event: INTERNAL COMMENTS RECEIVED - ADEM GROUNDWATER BRANCH

Event date: 1998-09-30 00:00:00.0
Event: RFA REPORT REVIEWED/COMMENTS SENT

DELTA AUTOMOTIVE INC. (Continued) **1000394738**

Event date:	1998-10-27 00:00:00.0
Event:	DOCUMENT REVIEWED/COMMENTS SENT
Event date:	1998-11-06 00:00:00.0
Event:	-MISSING EVENT NAME-
Event date:	1999-01-05 00:00:00.0
Event:	DRAFT RFA REPORT RECEIVED/PREPARED
Event date:	1999-04-06 00:00:00.0
Event:	INTERNAL COMMENTS RECEIVED - ADEM GROUNDWATER BRANCH
Event date:	1999-04-19 00:00:00.0
Event:	RFA REPORT REVIEWED/COMMENTS SENT
Event date:	1999-04-21 00:00:00.0
Event:	-MISSING EVENT NAME-
Event date:	1999-04-30 00:00:00.0
Event:	DOCUMENT REVIEWED/COMMENTS SENT
Event date:	1999-07-27 00:00:00.0
Event:	INTERNAL COMMENTS RECEIVED - ADEM GROUNDWATER BRANCH
Event date:	2000-05-26 00:00:00.0
Event:	DOCUMENT REVIEWED/COMMENTS SENT
Event date:	2000-06-20 00:00:00.0
Event:	-MISSING EVENT NAME-
Event date:	2000-07-13 00:00:00.0
Event:	RFA COMPLETED-ASSESSMENT WAS A RFA
Event date:	2001-02-26 00:00:00.0
Event:	-MISSING EVENT NAME-
Event date:	2001-02-28 00:00:00.0
Event:	-MISSING EVENT NAME-
Event date:	2001-04-02 00:00:00.0
Event:	ADMINISTRATIVE APPEAL
Event date:	2001-05-11 00:00:00.0
Event:	-MISSING EVENT NAME-
Event date:	2001-06-18 00:00:00.0
Event:	CONFIRMATORY SAMPLING WORKPLAN RECEIVED
Event date:	2001-08-30 00:00:00.0
Event:	CONFIRMATORY SAMPLING WORKPLAN APPROVED
Event date:	2001-10-30 00:00:00.0
Event:	-MISSING EVENT NAME-
Event date:	2001-10-30 00:00:00.0
Event:	CONFIRMATORY SAMPLING REPORT RECEIVED

DELTA AUTOMOTIVE INC. (Continued) **1000394738**

Event date: 2001-11-01 00:00:00.0
Event: DOCUMENT SENT FOR INTERNAL COMMENT - ADEM GROUNDWATER BRANCH

Event date: 2001-12-14 00:00:00.0
Event: INTERNAL COMMENTS RECEIVED - ADEM GROUNDWATER BRANCH

Event date: 2002-02-11 00:00:00.0
Event: DOCUMENT REVIEWED/COMMENTS SENT

Event date: 2003-06-12 00:00:00.0
Event: CONFIRM. SAMPLING REPORT REVIEWED

Event date: 2007-10-18 00:00:00.0
Event: INVESTIGATION COMPLETE

Event date: 2007-10-18 00:00:00.0
Event: CONFIRMATORY SAMPLING COMPLETED/APPROVED

Facility Has Received Notices of Violations:
Regulation violated: SR - 335-14-5-.08(6)
Area of violation: TSD - Financial Requirements
Date violation determined: 2004-02-25 00:00:00.0
Date achieved compliance: Not reported
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 2004-02-25 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 335-14-5-.08(6)
Area of violation: TSD - Financial Requirements
Date violation determined: 2004-02-25 00:00:00.0
Date achieved compliance: Not reported
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 14-6-.06(2)(c)
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 1998-07-29 00:00:00.0
Date achieved compliance: 1998-09-04 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1998-07-29 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State

DELTA AUTOMOTIVE INC. (Continued) **1000394738**

Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 14-6-.04(5)
Area of violation: Generators - General
Date violation determined: 1996-09-12 00:00:00.0
Date achieved compliance: 1996-10-25 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1996-09-12 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 14-3-.01(3)(a)
Area of violation: Generators - General
Date violation determined: 1996-09-12 00:00:00.0
Date achieved compliance: 1996-10-25 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1996-09-12 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 14-5-.02(5)(a)&(b)
Area of violation: TSD - General Facility Standards
Date violation determined: 1995-01-17 00:00:00.0
Date achieved compliance: 1995-09-13 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1995-03-22 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 14-5-.02(5)(c)
Area of violation: TSD - General Facility Standards
Date violation determined: 1995-01-17 00:00:00.0
Date achieved compliance: 1995-09-13 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1995-03-22 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported

DELTA AUTOMOTIVE INC. (Continued) **1000394738**

Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 1993-11-08 00:00:00.0
Date achieved compliance: 1994-02-18 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1994-02-14 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 1993-11-08 00:00:00.0
Date achieved compliance: 1994-02-18 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1993-12-10 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 14-
Area of violation: TSD - General Facility Standards
Date violation determined: 1992-10-28 00:00:00.0
Date achieved compliance: 1993-01-15 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1992-12-10 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Preparedness and Prevention
Date violation determined: 1992-10-28 00:00:00.0
Date achieved compliance: 1993-01-15 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1992-12-10 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported

DELTA AUTOMOTIVE INC. (Continued) **1000394738**

Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 1992-10-28 00:00:00.0
Date achieved compliance: 1993-01-15 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1992-12-10 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Preparedness and Prevention
Date violation determined: 1992-10-28 00:00:00.0
Date achieved compliance: 1992-11-04 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1992-12-10 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Records/Reporting
Date violation determined: 1992-10-28 00:00:00.0
Date achieved compliance: 1993-01-05 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1992-12-10 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Records/Reporting
Date violation determined: 1992-10-28 00:00:00.0
Date achieved compliance: 1993-01-15 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1992-12-10 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

DELTA AUTOMOTIVE INC. (Continued) **1000394738**

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 1992-03-19 00:00:00.0
Date achieved compliance: 1992-09-16 00:00:00.0
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 1992-08-07 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 40000
Final penalty amount: 40000
Paid penalty amount: 40000

Regulation violated: Not reported
Area of violation: Formal Enforcement Agreement or Order
Date violation determined: 1992-03-19 00:00:00.0
Date achieved compliance: 1992-09-16 00:00:00.0
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 1992-04-14 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Formal Enforcement Agreement or Order
Date violation determined: 1992-03-19 00:00:00.0
Date achieved compliance: 1992-09-16 00:00:00.0
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 1992-08-07 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 40000
Final penalty amount: 40000
Paid penalty amount: 40000

Regulation violated: Not reported
Area of violation: Formal Enforcement Agreement or Order
Date violation determined: 1992-03-19 00:00:00.0
Date achieved compliance: 1992-09-16 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1992-09-16 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported

DELTA AUTOMOTIVE INC. (Continued) **1000394738**

Area of violation: LDR - General
Date violation determined: 1992-03-19 00:00:00.0
Date achieved compliance: 1992-09-16 00:00:00.0
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 1992-04-14 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 1992-01-28 00:00:00.0
Date achieved compliance: 1995-03-16 00:00:00.0
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 1992-04-14 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 1992-01-28 00:00:00.0
Date achieved compliance: 1995-03-16 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1993-08-18 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 1992-01-28 00:00:00.0
Date achieved compliance: 1995-03-16 00:00:00.0
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 1992-08-07 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 40000
Final penalty amount: 40000
Paid penalty amount: 40000

Regulation violated: Not reported
Area of violation: Generators - General

DELTA AUTOMOTIVE INC. (Continued) **1000394738**

Date violation determined: 1990-02-23 00:00:00.0
Date achieved compliance: 1995-03-16 00:00:00.0
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 1991-12-11 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 15000
Final penalty amount: 15000
Paid penalty amount: 15000

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 1990-02-23 00:00:00.0
Date achieved compliance: 1995-03-16 00:00:00.0
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 1991-01-29 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 1990-02-23 00:00:00.0
Date achieved compliance: 1995-03-16 00:00:00.0
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 1992-08-07 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 40000
Final penalty amount: 40000
Paid penalty amount: 40000

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 1989-04-11 00:00:00.0
Date achieved compliance: 1992-11-18 00:00:00.0
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 1991-01-29 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 1989-04-11 00:00:00.0

DELTA AUTOMOTIVE INC. (Continued) **1000394738**

Date achieved compliance: 1992-11-18 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1992-09-16 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 1989-04-11 00:00:00.0
Date achieved compliance: 1992-11-18 00:00:00.0
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 1992-04-14 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 1989-04-11 00:00:00.0
Date achieved compliance: 1992-11-18 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1989-05-16 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 1989-04-11 00:00:00.0
Date achieved compliance: 1993-02-04 00:00:00.0
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 1992-08-07 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 40000
Final penalty amount: 40000
Paid penalty amount: 40000

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 1989-04-11 00:00:00.0
Date achieved compliance: 1993-02-04 00:00:00.0

DELTA AUTOMOTIVE INC. (Continued) **1000394738**

Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 1991-01-29 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 1989-04-11 00:00:00.0
Date achieved compliance: 1992-10-28 00:00:00.0
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 1992-08-07 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 40000
Final penalty amount: 40000
Paid penalty amount: 40000

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 1989-04-11 00:00:00.0
Date achieved compliance: 1993-02-04 00:00:00.0
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 1991-12-11 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 15000
Final penalty amount: 15000
Paid penalty amount: 15000

Regulation violated: Not reported
Area of violation: Generators - Manifest
Date violation determined: 1989-04-11 00:00:00.0
Date achieved compliance: 1989-06-01 00:00:00.0
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 1991-01-29 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 1989-04-11 00:00:00.0
Date achieved compliance: 1993-02-04 00:00:00.0
Violation lead agency: State

DELTA AUTOMOTIVE INC. (Continued) **1000394738**

Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1992-09-16 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Manifest
Date violation determined: 1989-04-11 00:00:00.0
Date achieved compliance: 1989-06-01 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1989-05-16 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Records/Reporting
Date violation determined: 1989-04-11 00:00:00.0
Date achieved compliance: 1989-06-01 00:00:00.0
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 1991-01-29 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 1989-04-11 00:00:00.0
Date achieved compliance: 1993-02-04 00:00:00.0
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 1992-04-14 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 1989-04-11 00:00:00.0
Date achieved compliance: 1992-10-28 00:00:00.0
Violation lead agency: State
Enforcement action: Not reported

DELTA AUTOMOTIVE INC. (Continued) **1000394738**

Enforcement action date: 1991-01-29 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 1989-04-11 00:00:00.0
Date achieved compliance: 1993-02-04 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1989-05-16 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 1989-04-11 00:00:00.0
Date achieved compliance: 1992-10-28 00:00:00.0
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 1992-04-14 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 1989-04-11 00:00:00.0
Date achieved compliance: 1992-10-28 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1989-05-16 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 1989-04-11 00:00:00.0
Date achieved compliance: 1992-11-18 00:00:00.0
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 1991-12-11 00:00:00.0

DELTA AUTOMOTIVE INC. (Continued) **1000394738**

Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 15000
Final penalty amount: 15000
Paid penalty amount: 15000

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 1989-04-11 00:00:00.0
Date achieved compliance: 1992-10-28 00:00:00.0
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 1991-12-11 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 15000
Final penalty amount: 15000
Paid penalty amount: 15000

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 1989-04-11 00:00:00.0
Date achieved compliance: 1989-06-01 00:00:00.0
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 1991-01-29 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 1989-04-11 00:00:00.0
Date achieved compliance: 1989-06-01 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1989-05-16 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Records/Reporting
Date violation determined: 1989-04-11 00:00:00.0
Date achieved compliance: 1989-06-01 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1989-05-16 00:00:00.0
Enf. disposition status: Not reported

DELTA AUTOMOTIVE INC. (Continued) **1000394738**

Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 1989-04-11 00:00:00.0
Date achieved compliance: 1992-11-18 00:00:00.0
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 1992-08-07 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 40000
Final penalty amount: 40000
Paid penalty amount: 40000

Evaluation Action Summary:
Evaluation date: 2011-08-24 00:00:00.0
Evaluation: NOT A SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 2010-07-12 00:00:00.0
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 2008-09-18 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2006-02-27 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA Contractor/Grantee

Evaluation date: 2005-05-16 00:00:00.0
Evaluation: CASE DEVELOPMENT INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2004-08-27 00:00:00.0
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

DELTA AUTOMOTIVE INC. (Continued) **1000394738**

Evaluation date: 2004-02-25 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2003-09-26 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2003-06-28 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2002-02-26 00:00:00.0
Evaluation: OPERATION AND MAINTENANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2000-11-29 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2000-10-20 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2000-05-04 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2000-02-03 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2000-01-20 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1999-07-29 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported

DELTA AUTOMOTIVE INC. (Continued) **1000394738**

Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1999-07-14 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1999-05-18 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1999-03-16 00:00:00.0
Evaluation: OPERATION AND MAINTENANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1999-02-05 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1998-10-22 00:00:00.0
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1998-09-18 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1998-09-04 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: TSD IS-Ground-Water Monitoring
Date achieved compliance: 1998-09-04 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1998-07-29 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD IS-Ground-Water Monitoring
Date achieved compliance: 1998-09-04 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1998-01-15 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

DELTA AUTOMOTIVE INC. (Continued) **1000394738**

Evaluation date: 1998-01-13 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1997-09-16 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1997-08-22 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1997-06-25 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1997-06-11 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1997-05-26 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1996-10-25 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Generators - General
Date achieved compliance: 1996-10-25 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1996-09-25 00:00:00.0
Evaluation: GROUNDWATER MONITORING EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1996-09-12 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 1996-10-25 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1995-12-17 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported

DELTA AUTOMOTIVE INC. (Continued) **1000394738**

Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1995-11-29 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1995-09-14 00:00:00.0
Evaluation: OPERATION AND MAINTENANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1995-09-13 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: TSD - General Facility Standards
Date achieved compliance: 1995-09-13 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1995-08-28 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1995-01-17 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 1995-09-13 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1994-11-22 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1994-10-17 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1994-10-12 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1994-09-01 00:00:00.0
Evaluation: GROUNDWATER MONITORING EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

DELTA AUTOMOTIVE INC. (Continued) **1000394738**

Evaluation date: 1994-08-31 00:00:00.0
Evaluation: OPERATION AND MAINTENANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1994-05-05 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1994-01-10 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Generators - General
Date achieved compliance: 1994-02-18 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1993-12-30 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1993-12-28 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1993-12-20 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1993-12-10 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1993-11-08 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 1994-02-18 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1993-09-20 00:00:00.0
Evaluation: GROUNDWATER MONITORING EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1993-06-28 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: TSD IS-Ground-Water Monitoring

DELTA AUTOMOTIVE INC. (Continued) **1000394738**

Date achieved compliance: 1995-03-16 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1993-03-30 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1992-10-28 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 1992-10-28 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1992-10-28 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Preparedness and Prevention
Date achieved compliance: 1992-11-04 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1992-10-28 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Records/Reporting
Date achieved compliance: 1993-01-05 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1992-10-28 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 1993-01-15 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1992-10-28 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Records/Reporting
Date achieved compliance: 1993-01-15 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1992-10-28 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Preparedness and Prevention
Date achieved compliance: 1993-01-15 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1992-09-10 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Formal Enforcement Agreement or Order
Date achieved compliance: 1992-09-16 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1992-09-10 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Generators - General
Date achieved compliance: 1993-02-04 00:00:00.0
Evaluation lead agency: State

DELTA AUTOMOTIVE INC. (Continued) **1000394738**

Evaluation date: 1992-09-10 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Generators - Pre-transport
Date achieved compliance: 1992-11-18 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1992-03-19 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 1993-02-04 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1992-03-19 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 1992-09-16 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1992-03-19 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 1992-10-28 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1992-03-19 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD IS-Ground-Water Monitoring
Date achieved compliance: 1995-03-16 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1992-03-19 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 1992-11-18 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1992-03-19 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Formal Enforcement Agreement or Order
Date achieved compliance: 1992-09-16 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1992-03-18 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA-Initiated Oversight/Observation/Training Actions

Evaluation date: 1992-01-28 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1991-11-19 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported

DELTA AUTOMOTIVE INC. (Continued) **1000394738**

Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1990-02-23 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 1993-02-04 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1990-02-23 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 1995-03-16 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1990-02-23 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 1992-10-28 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1990-02-23 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 1992-11-18 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1989-04-11 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 1992-10-28 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1989-04-11 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Records/Reporting
Date achieved compliance: 1989-06-01 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1989-04-11 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 1993-02-04 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1989-04-11 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 1989-06-01 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1989-04-11 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 1992-11-18 00:00:00.0
Evaluation lead agency: State

DELTA AUTOMOTIVE INC. (Continued) **1000394738**

Evaluation date: 1989-04-11 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Manifest
Date achieved compliance: 1989-06-01 00:00:00.0
Evaluation lead agency: State

RCRA NonGen / NLR:
Date form received by agency: 2004-04-27 00:00:00.0
Facility name: DELTA AUTOMOTIVE INC.
Facility address: 103 SOUTH ATLANTA AVENUE
SHEFFIELD, AL 35660
EPA ID: ALD982123127
Mailing address: SOUTH ATLANTA AVENUE
SHEFFIELD, AL 35660
Contact: BENJAMIN LAW
Contact address: 103 SOUTH ATLANTA AVENUE
SHEFFIELD, AL 35660
Contact country: US
Contact telephone: 256-383-9181
Contact email: Not reported
EPA Region: 04
Land type: Private
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: DELTA AUTOMOTIVE
Owner/operator address: 103 SOUTH ATLANTA AVE
SHEFFIELD, AL 35660
Owner/operator country: Not reported
Owner/operator telephone: 256-383-9181
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 1776-01-01 00:00:00.0
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No

DELTA AUTOMOTIVE INC. (Continued) **1000394738**

Used oil transporter: No

Historical Generators:

Date form received by agency: 2002-07-29 00:00:00.0
Site name: DELTA AUTOMOTIVE INC.
Classification: Not a generator, verified

Date form received by agency: 1995-10-23 00:00:00.0
Site name: DELTA AUTOMOTIVE INC.
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 1994-02-03 00:00:00.0
Site name: DELTA AUTOMOTIVE, INC.
Classification: Large Quantity Generator

Date form received by agency: 1992-03-12 00:00:00.0
Site name: DELTA AUTOMOTIVE INC
Classification: Large Quantity Generator

Date form received by agency: 1992-01-15 00:00:00.0
Site name: DELTA AUTOMOTIVE INC.
Classification: Small Quantity Generator

Date form received by agency: 1990-10-03 00:00:00.0
Site name: DELTA AUTOMOTIVE INC
Classification: Large Quantity Generator

Hazardous Waste Summary:

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS

DELTA AUTOMOTIVE INC. (Continued) **1000394738**

LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Corrective Action Summary:

Event date:	1998-01-13 00:00:00.0
Event:	RFA VSI CONDUCTED
Event date:	1998-06-10 00:00:00.0
Event:	-MISSING EVENT NAME-
Event date:	1998-06-25 00:00:00.0
Event:	DRAFT RFA REPORT RECEIVED/PREPARED
Event date:	1998-06-25 00:00:00.0
Event:	CA PRIORITIZATION-LOW CA PRIORITY
Event date:	1998-06-29 00:00:00.0
Event:	DOCUMENT SENT FOR INTERNAL COMMENT - ADEM GROUNDWATER BRANCH
Event date:	1998-07-30 00:00:00.0
Event:	FEE LETTER SENT
Event date:	1998-09-03 00:00:00.0
Event:	FEES RECEIVED
Event date:	1998-09-15 00:00:00.0
Event:	-MISSING EVENT NAME-
Event date:	1998-09-18 00:00:00.0
Event:	INTERNAL COMMENTS RECEIVED - ADEM GROUNDWATER BRANCH
Event date:	1998-09-30 00:00:00.0
Event:	RFA REPORT REVIEWED/COMMENTS SENT
Event date:	1998-10-27 00:00:00.0
Event:	DOCUMENT REVIEWED/COMMENTS SENT
Event date:	1998-11-06 00:00:00.0
Event:	-MISSING EVENT NAME-
Event date:	1999-01-05 00:00:00.0
Event:	DRAFT RFA REPORT RECEIVED/PREPARED
Event date:	1999-04-06 00:00:00.0
Event:	INTERNAL COMMENTS RECEIVED - ADEM GROUNDWATER BRANCH
Event date:	1999-04-19 00:00:00.0
Event:	RFA REPORT REVIEWED/COMMENTS SENT
Event date:	1999-04-21 00:00:00.0
Event:	-MISSING EVENT NAME-
Event date:	1999-04-30 00:00:00.0
Event:	DOCUMENT REVIEWED/COMMENTS SENT
Event date:	1999-07-27 00:00:00.0
Event:	INTERNAL COMMENTS RECEIVED - ADEM GROUNDWATER BRANCH

DELTA AUTOMOTIVE INC. (Continued) **1000394738**

Event date: 2000-05-26 00:00:00.0
Event: DOCUMENT REVIEWED/COMMENTS SENT

Event date: 2000-06-20 00:00:00.0
Event: -MISSING EVENT NAME-

Event date: 2000-07-13 00:00:00.0
Event: RFA COMPLETED-ASSESSMENT WAS A RFA

Event date: 2001-02-26 00:00:00.0
Event: -MISSING EVENT NAME-

Event date: 2001-02-28 00:00:00.0
Event: -MISSING EVENT NAME-

Event date: 2001-04-02 00:00:00.0
Event: ADMINISTRATIVE APPEAL

Event date: 2001-05-11 00:00:00.0
Event: -MISSING EVENT NAME-

Event date: 2001-06-18 00:00:00.0
Event: CONFIRMATORY SAMPLING WORKPLAN RECEIVED

Event date: 2001-08-30 00:00:00.0
Event: CONFIRMATORY SAMPLING WORKPLAN APPROVED

Event date: 2001-10-30 00:00:00.0
Event: -MISSING EVENT NAME-

Event date: 2001-10-30 00:00:00.0
Event: CONFIRMATORY SAMPLING REPORT RECEIVED

Event date: 2001-11-01 00:00:00.0
Event: DOCUMENT SENT FOR INTERNAL COMMENT - ADEM GROUNDWATER BRANCH

Event date: 2001-12-14 00:00:00.0
Event: INTERNAL COMMENTS RECEIVED - ADEM GROUNDWATER BRANCH

Event date: 2002-02-11 00:00:00.0
Event: DOCUMENT REVIEWED/COMMENTS SENT

Event date: 2003-06-12 00:00:00.0
Event: CONFIRM. SAMPLING REPORT REVIEWED

Event date: 2007-10-18 00:00:00.0
Event: INVESTIGATION COMPLETE

Event date: 2007-10-18 00:00:00.0
Event: CONFIRMATORY SAMPLING COMPLETED/APPROVED

Facility Has Received Notices of Violations:
Regulation violated: SR - 335-14-5-.08(6)
Area of violation: TSD - Financial Requirements
Date violation determined: 2004-02-25 00:00:00.0
Date achieved compliance: Not reported
Violation lead agency: State

DELTA AUTOMOTIVE INC. (Continued) **1000394738**

Enforcement action: WRITTEN INFORMAL
Enforcement action date: 2004-02-25 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 335-14-5-.08(6)
Area of violation: TSD - Financial Requirements
Date violation determined: 2004-02-25 00:00:00.0
Date achieved compliance: Not reported
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 14-6-.06(2)(c)
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 1998-07-29 00:00:00.0
Date achieved compliance: 1998-09-04 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1998-07-29 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 14-6-.04(5)
Area of violation: Generators - General
Date violation determined: 1996-09-12 00:00:00.0
Date achieved compliance: 1996-10-25 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1996-09-12 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 14-3-.01(3)(a)
Area of violation: Generators - General
Date violation determined: 1996-09-12 00:00:00.0
Date achieved compliance: 1996-10-25 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL

DELTA AUTOMOTIVE INC. (Continued) **1000394738**

Enforcement action date: 1996-09-12 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 14-5-.02(5)(a)&(b)
Area of violation: TSD - General Facility Standards
Date violation determined: 1995-01-17 00:00:00.0
Date achieved compliance: 1995-09-13 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1995-03-22 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 14-5-.02(5)(c)
Area of violation: TSD - General Facility Standards
Date violation determined: 1995-01-17 00:00:00.0
Date achieved compliance: 1995-09-13 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1995-03-22 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 1993-11-08 00:00:00.0
Date achieved compliance: 1994-02-18 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1994-02-14 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 1993-11-08 00:00:00.0
Date achieved compliance: 1994-02-18 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1993-12-10 00:00:00.0

DELTA AUTOMOTIVE INC. (Continued) **1000394738**

Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 14-
Area of violation: TSD - General Facility Standards
Date violation determined: 1992-10-28 00:00:00.0
Date achieved compliance: 1993-01-15 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1992-12-10 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Preparedness and Prevention
Date violation determined: 1992-10-28 00:00:00.0
Date achieved compliance: 1993-01-15 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1992-12-10 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 1992-10-28 00:00:00.0
Date achieved compliance: 1993-01-15 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1992-12-10 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Preparedness and Prevention
Date violation determined: 1992-10-28 00:00:00.0
Date achieved compliance: 1992-11-04 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1992-12-10 00:00:00.0
Enf. disposition status: Not reported

DELTA AUTOMOTIVE INC. (Continued) **1000394738**

Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Records/Reporting
Date violation determined: 1992-10-28 00:00:00.0
Date achieved compliance: 1993-01-05 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1992-12-10 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Records/Reporting
Date violation determined: 1992-10-28 00:00:00.0
Date achieved compliance: 1993-01-15 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1992-12-10 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 1992-03-19 00:00:00.0
Date achieved compliance: 1992-09-16 00:00:00.0
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 1992-08-07 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 40000
Final penalty amount: 40000
Paid penalty amount: 40000

Regulation violated: Not reported
Area of violation: Formal Enforcement Agreement or Order
Date violation determined: 1992-03-19 00:00:00.0
Date achieved compliance: 1992-09-16 00:00:00.0
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 1992-04-14 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported

DELTA AUTOMOTIVE INC. (Continued) **1000394738**

Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Formal Enforcement Agreement or Order
Date violation determined: 1992-03-19 00:00:00.0
Date achieved compliance: 1992-09-16 00:00:00.0
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 1992-08-07 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 40000
Final penalty amount: 40000
Paid penalty amount: 40000

Regulation violated: Not reported
Area of violation: Formal Enforcement Agreement or Order
Date violation determined: 1992-03-19 00:00:00.0
Date achieved compliance: 1992-09-16 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1992-09-16 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 1992-03-19 00:00:00.0
Date achieved compliance: 1992-09-16 00:00:00.0
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 1992-04-14 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 1992-01-28 00:00:00.0
Date achieved compliance: 1995-03-16 00:00:00.0
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 1992-04-14 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State

DELTA AUTOMOTIVE INC. (Continued) **1000394738**

Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 1992-01-28 00:00:00.0
Date achieved compliance: 1995-03-16 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1993-08-18 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 1992-01-28 00:00:00.0
Date achieved compliance: 1995-03-16 00:00:00.0
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 1992-08-07 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 40000
Final penalty amount: 40000
Paid penalty amount: 40000

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 1990-02-23 00:00:00.0
Date achieved compliance: 1995-03-16 00:00:00.0
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 1991-12-11 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 15000
Final penalty amount: 15000
Paid penalty amount: 15000

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 1990-02-23 00:00:00.0
Date achieved compliance: 1995-03-16 00:00:00.0
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 1991-01-29 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported

DELTA AUTOMOTIVE INC. (Continued) **1000394738**

Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 1990-02-23 00:00:00.0
Date achieved compliance: 1995-03-16 00:00:00.0
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 1992-08-07 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 40000
Final penalty amount: 40000
Paid penalty amount: 40000

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 1989-04-11 00:00:00.0
Date achieved compliance: 1992-11-18 00:00:00.0
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 1991-01-29 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 1989-04-11 00:00:00.0
Date achieved compliance: 1992-11-18 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1992-09-16 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 1989-04-11 00:00:00.0
Date achieved compliance: 1992-11-18 00:00:00.0
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 1992-04-14 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported

DELTA AUTOMOTIVE INC. (Continued) **1000394738**

Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 1989-04-11 00:00:00.0
Date achieved compliance: 1992-11-18 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1989-05-16 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 1989-04-11 00:00:00.0
Date achieved compliance: 1993-02-04 00:00:00.0
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 1992-08-07 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 40000
Final penalty amount: 40000
Paid penalty amount: 40000

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 1989-04-11 00:00:00.0
Date achieved compliance: 1993-02-04 00:00:00.0
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 1991-01-29 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 1989-04-11 00:00:00.0
Date achieved compliance: 1992-10-28 00:00:00.0
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 1992-08-07 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 40000
Final penalty amount: 40000
Paid penalty amount: 40000

DELTA AUTOMOTIVE INC. (Continued) **1000394738**

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 1989-04-11 00:00:00.0
Date achieved compliance: 1993-02-04 00:00:00.0
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 1991-12-11 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 15000
Final penalty amount: 15000
Paid penalty amount: 15000

Regulation violated: Not reported
Area of violation: Generators - Manifest
Date violation determined: 1989-04-11 00:00:00.0
Date achieved compliance: 1989-06-01 00:00:00.0
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 1991-01-29 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 1989-04-11 00:00:00.0
Date achieved compliance: 1993-02-04 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1992-09-16 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Manifest
Date violation determined: 1989-04-11 00:00:00.0
Date achieved compliance: 1989-06-01 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1989-05-16 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported

DELTA AUTOMOTIVE INC. (Continued) **1000394738**

Area of violation: Generators - Records/Reporting
Date violation determined: 1989-04-11 00:00:00.0
Date achieved compliance: 1989-06-01 00:00:00.0
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 1991-01-29 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 1989-04-11 00:00:00.0
Date achieved compliance: 1993-02-04 00:00:00.0
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 1992-04-14 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 1989-04-11 00:00:00.0
Date achieved compliance: 1992-10-28 00:00:00.0
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 1991-01-29 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 1989-04-11 00:00:00.0
Date achieved compliance: 1993-02-04 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1989-05-16 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport

DELTA AUTOMOTIVE INC. (Continued) **1000394738**

Date violation determined: 1989-04-11 00:00:00.0
Date achieved compliance: 1992-10-28 00:00:00.0
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 1992-04-14 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 1989-04-11 00:00:00.0
Date achieved compliance: 1992-10-28 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1989-05-16 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 1989-04-11 00:00:00.0
Date achieved compliance: 1992-11-18 00:00:00.0
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 1991-12-11 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 15000
Final penalty amount: 15000
Paid penalty amount: 15000

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 1989-04-11 00:00:00.0
Date achieved compliance: 1992-10-28 00:00:00.0
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 1991-12-11 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 15000
Final penalty amount: 15000
Paid penalty amount: 15000

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 1989-04-11 00:00:00.0

DELTA AUTOMOTIVE INC. (Continued) **1000394738**

Date achieved compliance: 1989-06-01 00:00:00.0
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 1991-01-29 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 1989-04-11 00:00:00.0
Date achieved compliance: 1989-06-01 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1989-05-16 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Records/Reporting
Date violation determined: 1989-04-11 00:00:00.0
Date achieved compliance: 1989-06-01 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1989-05-16 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 1989-04-11 00:00:00.0
Date achieved compliance: 1992-11-18 00:00:00.0
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 1992-08-07 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 40000
Final penalty amount: 40000
Paid penalty amount: 40000

Evaluation Action Summary:
Evaluation date: 2011-08-24 00:00:00.0
Evaluation: NOT A SIGNIFICANT NON-COMPLIER
Area of violation: Not reported

DELTA AUTOMOTIVE INC. (Continued) **1000394738**

Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 2010-07-12 00:00:00.0
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 2008-09-18 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2006-02-27 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA Contractor/Grantee

Evaluation date: 2005-05-16 00:00:00.0
Evaluation: CASE DEVELOPMENT INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2004-08-27 00:00:00.0
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2004-02-25 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2003-09-26 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2003-06-28 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2002-02-26 00:00:00.0
Evaluation: OPERATION AND MAINTENANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

DELTA AUTOMOTIVE INC. (Continued) **1000394738**

Evaluation date: 2000-11-29 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2000-10-20 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2000-05-04 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2000-02-03 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2000-01-20 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1999-07-29 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1999-07-14 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1999-05-18 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1999-03-16 00:00:00.0
Evaluation: OPERATION AND MAINTENANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1999-02-05 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported

DELTA AUTOMOTIVE INC. (Continued) **1000394738**

Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1998-10-22 00:00:00.0
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1998-09-18 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1998-09-04 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: TSD IS-Ground-Water Monitoring
Date achieved compliance: 1998-09-04 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1998-07-29 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD IS-Ground-Water Monitoring
Date achieved compliance: 1998-09-04 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1998-01-15 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1998-01-13 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1997-09-16 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1997-08-22 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1997-06-25 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

DELTA AUTOMOTIVE INC. (Continued) **1000394738**

Evaluation date: 1997-06-11 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1997-05-26 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1996-10-25 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Generators - General
Date achieved compliance: 1996-10-25 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1996-09-25 00:00:00.0
Evaluation: GROUNDWATER MONITORING EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1996-09-12 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 1996-10-25 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1995-12-17 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1995-11-29 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1995-09-14 00:00:00.0
Evaluation: OPERATION AND MAINTENANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1995-09-13 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: TSD - General Facility Standards
Date achieved compliance: 1995-09-13 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1995-08-28 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported

DELTA AUTOMOTIVE INC. (Continued) **1000394738**

Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1995-01-17 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 1995-09-13 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1994-11-22 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1994-10-17 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1994-10-12 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1994-09-01 00:00:00.0
Evaluation: GROUNDWATER MONITORING EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1994-08-31 00:00:00.0
Evaluation: OPERATION AND MAINTENANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1994-05-05 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1994-01-10 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Generators - General
Date achieved compliance: 1994-02-18 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1993-12-30 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

DELTA AUTOMOTIVE INC. (Continued) **1000394738**

Evaluation date: 1993-12-28 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1993-12-20 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1993-12-10 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1993-11-08 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 1994-02-18 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1993-09-20 00:00:00.0
Evaluation: GROUNDWATER MONITORING EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1993-06-28 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: TSD IS-Ground-Water Monitoring
Date achieved compliance: 1995-03-16 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1993-03-30 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1992-10-28 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 1992-10-28 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1992-10-28 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Preparedness and Prevention
Date achieved compliance: 1992-11-04 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1992-10-28 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Records/Reporting

DELTA AUTOMOTIVE INC. (Continued) **1000394738**

Date achieved compliance: 1993-01-05 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1992-10-28 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 1993-01-15 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1992-10-28 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Records/Reporting
Date achieved compliance: 1993-01-15 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1992-10-28 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Preparedness and Prevention
Date achieved compliance: 1993-01-15 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1992-09-10 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Formal Enforcement Agreement or Order
Date achieved compliance: 1992-09-16 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1992-09-10 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Generators - General
Date achieved compliance: 1993-02-04 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1992-09-10 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Generators - Pre-transport
Date achieved compliance: 1992-11-18 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1992-03-19 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 1993-02-04 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1992-03-19 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 1992-09-16 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1992-03-19 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 1992-10-28 00:00:00.0
Evaluation lead agency: State

DELTA AUTOMOTIVE INC. (Continued) **1000394738**

Evaluation date: 1992-03-19 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD IS-Ground-Water Monitoring
Date achieved compliance: 1995-03-16 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1992-03-19 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 1992-11-18 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1992-03-19 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Formal Enforcement Agreement or Order
Date achieved compliance: 1992-09-16 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1992-03-18 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA-Initiated Oversight/Observation/Training Actions

Evaluation date: 1992-01-28 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1991-11-19 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1990-02-23 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 1993-02-04 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1990-02-23 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 1995-03-16 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1990-02-23 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 1992-10-28 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1990-02-23 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport

DELTA AUTOMOTIVE INC. (Continued) **1000394738**

Date achieved compliance: 1992-11-18 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1989-04-11 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 1992-10-28 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1989-04-11 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Records/Reporting
Date achieved compliance: 1989-06-01 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1989-04-11 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 1993-02-04 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1989-04-11 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 1989-06-01 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1989-04-11 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 1992-11-18 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1989-04-11 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Manifest
Date achieved compliance: 1989-06-01 00:00:00.0
Evaluation lead agency: State

EPA WATCH LIST:
Facility ID: ALD982123127
Program: RCRA Facilities
List date: June 2013 RCRA Watch List

Facility ID: ALD982123127
Program: RCRA Facilities
List date: August 2013 Watch List

Facility ID: ALD982123127
Program: RCRA Facilities
List date: July 2013 Watch List

2020 COR ACTION:
EPA ID: ALD982123127
Region: 4
Action: Not reported

DELTA AUTOMOTIVE INC. (Continued) **1000394738**

ICIS:

Enforcement Action ID:	04-2011-4009
FRS ID:	110000608708
Action Name:	BRAL HOLDINGS, LLC
Facility Name:	DELTA AUTOMOTIVE INC.
Facility Address:	103 SOUTH ATLANTA AVENUE SHEFFIELD, AL 35660-3907
Enforcement Action Type:	RCRA 3008A AO For Comp And/Or Penalty
Facility County:	COLBERT
Program System Acronym:	RCRAINFO
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	3008A
Facility SIC Code:	Not reported
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	34.758059
Longitude in Decimal Degrees:	-87.69525
Permit Type Desc:	Not reported
Program System Acronym:	ALD982123127
Facility NAICS Code:	Not reported
Tribal Land Code:	Not reported

Facility Name:	DELTA AUTOMOTIVE INC.
Address:	103 SOUTH ATLANTA AVENUE
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not reported
SIC Code:	Not reported

Facility Name:	DELTA AUTOMOTIVE INC.
Address:	103 SOUTH ATLANTA AVENUE
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not reported
SIC Code:	Not reported

Facility Name:	DELTA AUTOMOTIVE INC.
Address:	103 SOUTH ATLANTA AVENUE
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not reported
SIC Code:	Not reported

Facility Name:	DELTA AUTOMOTIVE INC.
Address:	103 SOUTH ATLANTA AVENUE
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not reported
SIC Code:	Not reported

FINDS:

Registry ID: 110000608708

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource

DELTA AUTOMOTIVE INC. (Continued) **1000394738**

Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Alabama Permit Tracking - The Alabama Department of Environmental Management (ADEM) Permit Tracking system provides data entry, retrieval and accounting functions and includes general data about facilities, their ADEM permits, and fees owed and paid.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000394738
Registry ID:	110000608708
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110000608708

A3 Target Property **ABANDONED 103 SOUTH ATLANTA AVENUE SHEFFIELD, AL** **ENG CONTROLS INST CONTROL** **S108579131 N/A**

Site 3 of 4 in cluster A

Actual: 492 ft.

ENG CONTROLS:

Site Number:	Not reported
Former Site Name(s):	Delta Automotive
Owner:	Ben Law
Lat/Long DegreeMinSec:	34 45 29 / 87 41 43
Property Size in Acres:	Not reported
Date of Discovery:	Not reported
Governing Programs(s):	RCRA
Known Previous Usage(s):	re-manufacture of automoble transmission parts and front wheel drive aXles
EPA ID:	ALD982123127
Fund Code:	R 421
Master ID:	3825
Metals:	aluminum, arsenic, barium, cadmium, chromium, lead, silver, zinc
Metals 1:	Not Applicable
Metals 2:	Not Applicable
SW Contam/VOCs/SVOCs:	Not Applicable
Other 2:	Not Applicable
Land Use/Inst Controls:	deed restriction, fence, signs
Eng Controls:	cap, fence, signs
Risk-based Closure Scenario:	Not Applicable
Engineering Controls:	cap, fence, signs
Master Id Number:	3825

INST CONTROL:

Fund Code:	R 421
Site #:	Not reported
Former Site Name(S):	Delta Automotive
Master Id #:	3825
Property Owner Of Record:	Ben Law
Lat/Long DegreeMinSec:	34 45 29 / 87 41 43

ABANDONED (Continued) **S108579131**

Size Of Property In Acres:	Not reported
Date Of Discovery:	Not reported
Governing Program(S):	RCRA
Known Previous Usage(S):	re-manufacture of automoble transmission parts and front wheel drive aXles
Epa Id Number:	ALD982123127
Letter Of Concurrence:	Not Applicable
Metals:	aluminum, arsenic, barium, cadmium, chromium, lead, silver, zinc
Metals 1:	Not Applicable
Metals 2:	Not Applicable
SW Contamination VOCs/SVOCs:	Not Applicable
Other 2:	Not Applicable
Land Use Controls Institutional Controls:	deed restriction, fence, signs
Engineering Controls:	cap, fence, signs
Risk-based Closure Scenario:	Not Applicable
Soil Contamination VOCs/SVOCs:	phenol, acetone, benzene, n-butylbenzene, t-butylbenzene, carbon tetrachloride, chloroethane, chloroform, 1,1-dichloroethane, 1,2-dichloroethane, 1,1-dichloroethylene, cis-1,1-dichloropropene, ethylbenzene, isopropylbenzene, n-propylbenzene, 1,1,1-trichloroethane, 1,1,2-trichloroethane, richloroethene, 1,2,4-trimethylbenzene, vinyl chloride, Xylene
GW Contamination VOCs/SVOCs:	Not Applicable
Other:	Not Applicable
Other 1:	Not Applicable

A4 **BANCON INC** **RCRA NonGen / NLR** **1001115252**
ESE **1301 EAST 21ST STREET** **FINDS** **ALR000006262**
< 1/8 **SHEFFIELD, AL 35660** **ECHO**
0.002 mi.
10 ft. **Site 4 of 4 in cluster A**

Relative: **Higher**
Actual: **493 ft.**

RCRA NonGen / NLR:

Date form received by agency:	2004-04-07 00:00:00.0
Facility name:	BANCON INC
Facility address:	1301 EAST 21ST STREET SHEFFIELD, AL 35660
EPA ID:	ALR000006262
Mailing address:	EAST 21ST STREET SHEFFIELD, AL 35660
Contact:	HENRY KENNETH
Contact address:	1301 EAST 21ST STREET SHEFFIELD, AL 35660
Contact country:	US
Contact telephone:	205-381-3816
Contact email:	Not reported
EPA Region:	04
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	BENJAMIN F LAW
Owner/operator address:	1301 21ST ST SHEFFIELD, AL 35660
Owner/operator country:	Not reported
Owner/operator telephone:	205-381-3816
Owner/operator email:	Not reported
Owner/operator fax:	Not reported

BANCON INC (Continued) **1001115252**

Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: BENJAMIN F LAW
Owner/operator address: 1301 21ST ST
SHEFFIELD, AL 35660
Owner/operator country: Not reported
Owner/operator telephone: 205-381-3816
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 1776-01-01 00:00:00.0
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 1996-09-18 00:00:00.0
Site name: BANCON INC
Classification: Small Quantity Generator

Hazardous Waste Summary:

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D008
. Waste name: LEAD

Violation Status: No violations found

FINDS:

Registry ID: 110003386292

Environmental Interest/Information System

BANCON INC (Continued) **1001115252**

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1001115252
Registry ID:	110003386292
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110003386292

B5 **READY MIX USA BLUE STAR DIVISION** **UST** **U004235860**
ENE **14TH AVE SW?** **Financial Assurance** **N/A**
< 1/8 **SHEFFIELD, AL 35660**
0.045 mi.
240 ft. **Site 1 of 2 in cluster B**

Relative:
Higher

Actual:
496 ft.

UST:

Name:	READY MIX USA BLUE STAR DIVISION
Address:	14TH AVE SW?
City,State,Zip:	SHEFFIELD, AL 35660
Facility ID:	14502 33 236
Account Number:	14502
Site ID Number:	236
Contact Name:	BENJAMIN C FRANKLIN
Contact Phone:	2057660859
Exempt:	Not reported
Located Within Indian Lands:	Not reported
GPS Latitude:	34.757579
GPS Longitude:	-87.693458
Located Wellhead Protection:	Not reported
Cannot Locate Site:	Not reported
Abandoned Site:	Not reported
Residence Adjacent:	Not reported
Residence Within 300 ft:	Not reported
Under Dispersion Containment:	Not reported
UDC Insp. Date:	Not reported
UDC Insp. Results:	Not reported
Date Last Inspected:	Not reported

UST:

Account number:	14502
Site ID:	236
Facility ID:	14502 33 236
Last Usage Date:	1901-01-01
Install Date:	1954-01-01
Capacity:	1000
Compartments:	1
Unleaded Gas:	X
Midgrade Gas:	Not reported
Premium Gas:	Not reported
Diesel:	Not reported
Kerosene:	Not reported

READY MIX USA BLUE STAR DIVISION (Continued) **U004235860**

Aviation Fuel:	Not reported
Used Oil:	Not reported
Virgin Oil:	Not reported
Local Government:	Not reported
State and Federal:	Not reported
Steel:	X
Fiberglass and Plastic:	Not reported
Cathodic Protection:	Not reported
Field Installed Cathodic:	Not reported
Interior Lined:	Not reported
Three Year CP Test Date:	Not reported
Bare Steel:	X
Fiberglass/Plastic:	Not reported
Flexible:	Not reported
Three Year CP Test Date:	Not reported
Catchment Basin:	Not reported
Flow Restrictor:	Not reported
Auto Shutoff:	Not reported
Alarm:	Not reported
ATG:	Not reported
Continuous ATG:	Not reported
Secondary:	Not reported
Vapor:	Not reported
Groundwater:	Not reported
Statistical Inv Reconciled:	Not reported
Annual Test Date:	Not reported
Annual Line Test:	Not reported
Auto Ele Line Leak Detect:	Not reported
Line Tight Test Date:	Not reported
Vapor Monitoring:	Not reported
Sir 15:	Not reported
Interstitial W2 Cont:	Not reported
Line Tight 3 Years Test Date:	Not reported
Check Value:	Not reported
Gravity P:	Not reported
Unique Tank Number:	29111
Cannot Locate:	Not reported
Year of Last Sir Report:	Not reported
Tank Contains Gasohol (85% Ethanol):	Not reported
Tank Contains Biodiesel:	Not reported
Number Manifolds:	0
Single Walled Tank:	Not reported
Double Walled Tank:	Not reported
Steel Tank Coated W/ Fiberglass:	Not reported
Single Walled Piping:	Not reported
Double Walled Piping:	Not reported
Submersible Pump Sump Inspection Date:	1901-01-01
Tank Number:	1
Current A1:	Not reported
Temporary A2:	Not reported
Retired:	Not reported
Permanent A3:	X
Removal Date 3:	1988-12-23 00:00:00
Inert:	Not reported
Inert Date 3:	Not reported
Closed Without Assessment:	Not reported
Within Distance of Well 1:	Not reported

READY MIX USA BLUE STAR DIVISION (Continued) **U004235860**

Other Petro E1L:	Not reported
Cercla Substance Name E2A:	Not reported
Cas Number E2B:	Not reported
Retail Tank F2:	Not reported
Bulk Facility Tank F3:	Not reported
Industrial Tank F4:	Not reported
Farm Residential F7:	Not reported
Other Material G3:	Not reported
Other Extern H6:	Not reported
Three Year CP Review H:	Not reported
Other Pipe I4:	Not reported
Three Year CP Review J:	Not reported
Other External Prot Pipe J3:	Not reported
Test Date K:	1901-01-01 00:00:00
T Test 13 M3:	Not reported
TT Test Reviewed:	Not reported
Tight Test Date 13:	Not reported
Other M11:	Not reported
Other N1D:	Not reported
LF Test Reviewed:	Not reported
Groundwater Monitoring N2D:	Not reported
Other N2H:	Not reported
Line Tightness Testing 3YRS O1:	Not reported
Sir 15 07:	Not reported
Tank Comments:	Not reported

UST:

Account number:	14502
Owner Name:	READY MIX USA BLUE STAR DIVISION
Owner Address:	1506 UNION AVE
Owner City:	FLORENCE
Owner State:	AL
Owner Zip:	35630
Owner Zip 2:	Not reported
Owner Telephone:	2057660859
Owner Type 2:	P
GSA ID:	Not reported
Owner Contact Name:	BENJAMIN C FRANKLIN
Owner Contact Telephone:	2057660859
Exempt:	Not reported

Account number:	14502
Site ID:	236
Facility ID:	14502 33 236
Last Usage Date:	1976-06-01
Install Date:	1954-01-01
Capacity:	10000
Compartments:	1
Unleaded Gas:	Not reported
Midgrade Gas:	Not reported
Premium Gas:	Not reported
Diesel:	Not reported
Kerosene:	Not reported
Aviation Fuel:	Not reported
Used Oil:	Not reported
Virgin Oil:	Not reported
Local Government:	Not reported

READY MIX USA BLUE STAR DIVISION (Continued) **U004235860**

State and Federal:	Not reported
Steel:	X
Fiberglass and Plastic:	Not reported
Cathodic Protection:	Not reported
Field Installed Cathodic:	Not reported
Interior Lined:	Not reported
Three Year CP Test Date:	Not reported
Bare Steel:	X
Fiberglass/Plastic:	Not reported
Flexible:	Not reported
Three Year CP Test Date:	Not reported
Catchment Basin:	Not reported
Flow Restrictor:	Not reported
Auto Shutoff:	Not reported
Alarm:	Not reported
ATG:	Not reported
Continuous ATG:	Not reported
Secondary:	Not reported
Vapor:	Not reported
Groundwater:	Not reported
Statistical Inv Reconciled:	Not reported
Annual Test Date:	Not reported
Annual Line Test:	Not reported
Auto Ele Line Leak Detect:	Not reported
Line Tight Test Date:	Not reported
Vapor Monitoring:	Not reported
Sir 15:	Not reported
Interstitial W2 Cont:	Not reported
Line Tight 3 Years Test Date:	Not reported
Check Value:	Not reported
Gravity P:	Not reported
Unique Tank Number:	29112
Cannot Locate:	Not reported
Year of Last Sir Report:	Not reported
Tank Contains Gasohol (85% Ethanol):	Not reported
Tank Contains Biodiesel:	Not reported
Number Manifolds:	0
Single Walled Tank:	Not reported
Double Walled Tank:	Not reported
Steel Tank Coated W/ Fiberglass:	Not reported
Single Walled Piping:	Not reported
Double Walled Piping:	Not reported
Submersible Pump Sump Inspection Date:	1901-01-01
Tank Number:	2
Current A1:	Not reported
Temporary A2:	Not reported
Retired:	Not reported
Permanent A3:	X
Removal Date 3:	1988-12-19 00:00:00
Inert:	Not reported
Inert Date 3:	Not reported
Closed Without Assessment:	Not reported
Within Distance of Well 1:	Not reported
Other Petro E1L:	X
Cercla Substance Name E2A:	Not reported
Cas Number E2B:	Not reported
Retail Tank F2:	Not reported

READY MIX USA BLUE STAR DIVISION (Continued) **U004235860**

Bulk Facility Tank F3:	Not reported
Industrial Tank F4:	Not reported
Farm Residential F7:	Not reported
Other Material G3:	Not reported
Other Extern H6:	Not reported
Three Year CP Review H:	Not reported
Other Pipe I4:	Not reported
Three Year CP Review J:	Not reported
Other External Prot Pipe J3:	Not reported
Test Date K:	1901-01-01 00:00:00
T Test 13 M3:	Not reported
TT Test Reviewed:	Not reported
Tight Test Date 13:	Not reported
Other M11:	Not reported
Other N1D:	Not reported
LF Test Reviewed:	Not reported
Groundwater Monitoring N2D:	Not reported
Other N2H:	Not reported
Line Tightness Testing 3YRS O1:	Not reported
Sir 15 07:	Not reported
Tank Comments:	Not reported

UST:

Account number:	14502
Owner Name:	READY MIX USA BLUE STAR DIVISION
Owner Address:	1506 UNION AVE
Owner City:	FLORENCE
Owner State:	AL
Owner Zip:	35630
Owner Zip 2:	Not reported
Owner Telephone:	2057660859
Owner Type 2:	P
GSA ID:	Not reported
Owner Contact Name:	BENJAMIN C FRANKLIN
Owner Contact Telephone:	2057660859
Exempt:	Not reported

AL Financial Assurance:

Name:	READY MIX USA BLUE STAR DIVISION
Address:	14TH AVE SW?
City,State,Zip:	SHEFFIELD, AL 35660
Account Number:	14502
Site ID Number:	236
Facility Contact:	BENJAMIN C FRANKLIN
Facility Contact Phone:	2057660859
Tank Number:	2
Compliance AUST 18 R1:	Not reported
Net Worth 25000 18 R1A:	Not reported
Surety 18 R1B:	Not reported
Private Insurance 18 R2A:	Not reported
Insurer 18 R2A:	Not reported
Policy Number 18 R2A:	Not reported
Guarantee 18 2RB:	Not reported
Self Insured 18 R2C:	Not reported

READY MIX USA BLUE STAR DIVISION (Continued) **U004235860**

Name:	READY MIX USA BLUE STAR DIVISION
Address:	14TH AVE SW?
City,State,Zip:	SHEFFIELD, AL 35660
Account Number:	14502
Site ID Number:	236
Facility Contact:	BENJAMIN C FRANKLIN
Facility Contact Phone:	2057660859
Tank Number:	1
Compliance AUST 18 R1:	Not reported
Net Worth 25000 18 R1A:	Not reported
Surety 18 R1B:	Not reported
Private Insurance 18 R2A:	Not reported
Insurer 18 R2A:	Not reported
Policy Number 18 R2A:	Not reported
Guarantee 18 2RB:	Not reported
Self Insured 18 R2C:	Not reported

B6 **READY MIX USA BLUE STAR DIVISION** **AST** **U004178272**
ENE **14TH AVE SW?** **N/A**
< 1/8 **SHEFFIELD, AL 35660**
0.045 mi.
240 ft. **Site 2 of 2 in cluster B**

Relative:
Higher

Actual:
496 ft.

AST:

Name:	READY MIX USA BLUE STAR DIVISION
Address:	14TH AVE SW?
City,State,Zip:	SHEFFIELD, AL 35660
Account Number:	14502
Site ID:	236
Contact Name:	BENJAMIN C FRANKLIN
Contact Phone:	2057660859
Exempt:	Not reported
Located Within Indian Lands:	Not reported
GPS Latitude:	34.757579
GPS Longitude:	-87.693458
Located Wellhead Protection:	Not reported
Cannot Locate Site:	Not reported
Abandoned Site:	Not reported
Residence Adjacent:	Not reported
Residence Within 300 ft:	Not reported
Under Dispersion Containment:	Not reported
UDC Insp. Date:	Not reported
UDC Insp. Results:	Not reported
Date Last Inspected:	Not reported

AST:

Facility ID:	14502 33 236
Site ID:	236
County:	33
Account Number:	14502
Tank Number:	1
Currently in Use:	Not reported
Unique Tank Number:	3109
Date Installed:	1982-01-01
Temporarily Closed:	Not reported
Removal Date:	Not reported
Capacity:	9000
Permanently Closed:	X

READY MIX USA BLUE STAR DIVISION (Continued) **U004178272**

Number of Compartments:	1
Last Usage Date:	Not reported
Last Quantity:	Not reported
Located Above Ground:	Not reported
Within Distance of Well:	Not reported
Located Underground Area:	Not reported
Unleaded Gasoline:	Not reported
Notification Not Required:	Not reported
Midgrade Gasoline:	Not reported
Premium Gasoline:	Not reported
Diesel:	X
Kerosene:	Not reported
Aviation Fuel:	Not reported
Other Petroleum:	Not reported
Emergency:	Not reported
Retail:	Not reported
Bulk:	Not reported
Industrial:	Not reported
State and Federal:	Not reported
Farm and Residential:	X
Facility ID:	14502 33 236
Site ID:	236
County:	33
Account Number:	14502
Tank Number:	2
Currently in Use:	Not reported
Unique Tank Number:	3110
Date Installed:	1982-01-01
Temporarily Closed:	Not reported
Removal Date:	Not reported
Capacity:	500
Permanently Closed:	X
Number of Compartments:	1
Last Usage Date:	Not reported
Last Quantity:	Not reported
Located Above Ground:	Not reported
Within Distance of Well:	Not reported
Located Underground Area:	Not reported
Unleaded Gasoline:	Not reported
Notification Not Required:	Not reported
Midgrade Gasoline:	Not reported
Premium Gasoline:	Not reported
Diesel:	X
Kerosene:	Not reported
Aviation Fuel:	Not reported
Other Petroleum:	Not reported
Emergency:	Not reported
Retail:	Not reported
Bulk:	Not reported
Industrial:	Not reported
State and Federal:	Not reported
Farm and Residential:	X
Facility ID:	14502 33 236
Site ID:	236
County:	33

READY MIX USA BLUE STAR DIVISION (Continued) **U004178272**

Account Number:	14502
Tank Number:	3
Currently in Use:	Not reported
Unique Tank Number:	3111
Date Installed:	1982-01-01
Temporarily Closed:	Not reported
Removal Date:	Not reported
Capacity:	1000
Permanently Closed:	X
Number of Compartments:	1
Last Usage Date:	Not reported
Last Quantity:	Not reported
Located Above Ground:	Not reported
Within Distance of Well:	Not reported
Located Underground Area:	Not reported
Unleaded Gasoline:	X
Notification Not Required:	Not reported
Midgrade Gasoline:	Not reported
Premium Gasoline:	Not reported
Diesel:	Not reported
Kerosene:	Not reported
Aviation Fuel:	Not reported
Other Petroleum:	Not reported
Emergency:	Not reported
Retail:	Not reported
Bulk:	Not reported
Industrial:	Not reported
State and Federal:	Not reported
Farm and Residential:	X

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7 **SMITTYS WRECKER SERVICE INC** **EDR Hist Auto** **1021823082**
NNW **1ST ST & ANNAPOLIS** **N/A**
< 1/8 **SHEFFIELD, AL 35660**
0.053 mi.
278 ft.

Relative: EDR Hist Auto
Higher

Actual:
494 ft.

Year:	Name:	Type:
1972	SMITTYS WRECKER SERVICE	Automotive Repair Shops, NEC
1973	SMITTYS WRECKER SERVICE	Automotive Repair Shops, NEC

---

8 **ALABAMA OIL CO OF SHEFFIELD*** **EDR Hist Auto** **1020514012**
SE **1314 21ST ST** **N/A**
< 1/8 **SHEFFIELD, AL 35660**
0.059 mi.
309 ft.

Relative: EDR Hist Auto
Higher

Actual:
494 ft.

Year:	Name:	Type:
1987	ALABAMA OIL CO OF SHEFFIELD*	Petroleum Products, NEC
1992	STANCO MANAGEMENT INC	Gasoline Service Stations
1993	STANCO MANAGEMENT INC	Gasoline Service Stations
1994	STANCO MANAGEMENT INC	Gasoline Service Stations

ALABAMA OIL CO OF SHEFFIELD* (Continued) **1020514012**

1995	STANCO MANAGEMENT INC	Gasoline Service Stations

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9 **M & M DEPOT** **EDR Hist Auto** **1020791598**
NNE **500 E 2ND ST** **N/A**
< 1/8 **SHEFFIELD, AL 35660**
0.099 mi.
522 ft.

Relative: EDR Hist Auto
Higher

Actual:
500 ft.

Year:	Name:	Type:
2003	M & M DEPOT	Gasoline Service Stations, NEC
2004	M & M DEPOT	Gasoline Service Stations, NEC
2005	M & M DEPOT	Gasoline Service Stations, NEC
2006	M & M DEPOT	Gasoline Service Stations, NEC
2007	M & M DEPOT	Gasoline Service Stations, NEC
2008	M & M DEPOT	Gasoline Service Stations, NEC

C10 **BOX GULF SERVICE STATION** **EDR Hist Auto** **1020125410**
North **400 E 2ND STREET** **N/A**
< 1/8 **SHEFFIELD, AL 35660**
0.109 mi.
573 ft. **Site 1 of 4 in cluster C**

Relative: EDR Hist Auto
Higher

Actual:
499 ft.

Year:	Name:	Type:
1973	BOX J C GULF SVC STN	Gasoline Service Stations
1974	BOX J C GULF SVC STN	Gasoline Service Stations
1975	BOX GULF SERVICE STATION	Gasoline Service Stations
1976	BOX GULF SERVICE STATION	Gasoline Service Stations
1977	BOX GULF SERVICE STATION	Gasoline Service Stations
1978	BOX GULF SERVICE STATION	Gasoline Service Stations
1979	BOX GULF SERVICE STATION	Gasoline Service Stations
1980	BOX GULF SERVICE STATION	Gasoline Service Stations
1982	BOX GULF SERVICE STATION	Gasoline Service Stations
1982	K & B ENTERPRISES INC	Grocery Stores
1983	BOX GULF SERVICE STATION	Gasoline Service Stations
1985	BOX GULF SERVICE STATION	Gasoline Service Stations
1986	BOX GULF SERVICE STATION	Gasoline Service Stations
1987	BOX GULF SERVICE STATION	Gasoline Service Stations
1988	BOX GULF SERVICE STATION	Gasoline Service Stations
1989	BOX GULF SERVICE STATION	Gasoline Service Stations
1990	BOX GULF SERVICE STATION	Gasoline Service Stations
1991	BOX GULF SERVICE STATION	Gasoline Service Stations
1992	BOX GULF SERVICE STATION	Gasoline Service Stations
1993	BOX GULF SERVICE STATION	Gasoline Service Stations
1995	BOX J C SERVICE STATION	Gasoline Service Stations
1996	BOX J C SERVICE STATION	Gasoline Service Stations
1997	BOX J C SERVICE STATION	Gasoline Service Stations
1998	BOX J C SERVICE STATION	Gasoline Service Stations
1999	BOX J C SERVICE STATION	Gasoline Service Stations
2000	BOX J C SERVICE STATION	Gasoline Service Stations
2001	BOX J C SERVICE STATION	Gasoline Service Stations
2002	BOX J C SERVICE STATION	Gasoline Service Stations
2003	BOX J C SERVICE STATION	Gasoline Service Stations

BOX GULF SERVICE STATION (Continued) **1020125410**

2004 BOX J C SERVICE STATION Gasoline Service Stations

C11 **JC BOXS TEXACO** **UST** **U004231667**
North **400 E 2ND ST & ATLANTA ST** **Financial Assurance** **N/A**
< 1/8 **SHEFFIELD, AL 35660**
0.109 mi.
573 ft. **Site 2 of 4 in cluster C**

Relative:
Higher

Actual:
499 ft.

UST:

Name:	JC BOXS TEXACO
Address:	400 E 2ND ST & ATLANTA ST
City,State,Zip:	SHEFFIELD, AL 35660
Facility ID:	11732 33 4341
Account Number:	11732
Site ID Number:	4341
Contact Name:	ED ESTES
Contact Phone:	2053834513
Exempt:	Not reported
Located Within Indian Lands:	Not reported
GPS Latitude:	0
GPS Longitude:	0
Located Wellhead Protection:	Not reported
Cannot Locate Site:	Not reported
Abandoned Site:	Not reported
Residence Adjacent:	Not reported
Residence Within 300 ft:	Not reported
Under Dispersion Containment:	Not reported
UDC Insp. Date:	Not reported
UDC Insp. Results:	Not reported
Date Last Inspected:	Not reported

UST:

Account number:	11732
Site ID:	4341
Facility ID:	11732 33 4341
Last Usage Date:	1996-01-01
Install Date:	1961-01-01
Capacity:	500
Compartments:	1
Unleaded Gas:	X
Midgrade Gas:	Not reported
Premium Gas:	Not reported
Diesel:	Not reported
Kerosene:	Not reported
Aviation Fuel:	Not reported
Used Oil:	Not reported
Virgin Oil:	Not reported
Local Government:	Not reported
State and Federal:	Not reported
Steel:	X
Fiberglass and Plastic:	Not reported
Cathodic Protection:	Not reported
Field Installed Cathodic:	Not reported
Interior Lined:	Not reported
Three Year CP Test Date:	Not reported
Bare Steel:	X
Fiberglass/Plastic:	Not reported
Flexible:	Not reported

JC BOXS TEXACO (Continued) **U004231667**

Three Year CP Test Date:	Not reported
Catchment Basin:	Not reported
Flow Restrictor:	Not reported
Auto Shutoff:	Not reported
Alarm:	Not reported
ATG:	Not reported
Continuous ATG:	Not reported
Secondary:	Not reported
Vapor:	Not reported
Groundwater:	Not reported
Statistical Inv Reconciled:	Not reported
Annual Test Date:	Not reported
Annual Line Test:	Not reported
Auto Ele Line Leak Detect:	Not reported
Line Tight Test Date:	Not reported
Vapor Monitoring:	Not reported
Sir 15:	Not reported
Interstitial W2 Cont:	Not reported
Line Tight 3 Years Test Date:	Not reported
Check Value:	X
Gravity P:	Not reported
Unique Tank Number:	11088
Cannot Locate:	Not reported
Year of Last Sir Report:	Not reported
Tank Contains Gasohol (85% Ethanol):	Not reported
Tank Contains Biodiesel:	Not reported
Number Manifolds:	0
Single Walled Tank:	Not reported
Double Walled Tank:	Not reported
Steel Tank Coated W/ Fiberglass:	Not reported
Single Walled Piping:	Not reported
Double Walled Piping:	Not reported
Submersible Pump Sump Inspection Date:	1901-01-01
Tank Number:	1
Current A1:	Not reported
Temporary A2:	Not reported
Retired:	Not reported
Permanent A3:	X
Removal Date 3:	1998-10-29 00:00:00
Inert:	Not reported
Inert Date 3:	Not reported
Closed Without Assessment:	Not reported
Within Distance of Well 1:	Not reported
Other Petro E1L:	Not reported
Cercla Substance Name E2A:	Not reported
Cas Number E2B:	Not reported
Retail Tank F2:	Not reported
Bulk Facility Tank F3:	Not reported
Industrial Tank F4:	Not reported
Farm Residential F7:	Not reported
Other Material G3:	Not reported
Other Extern H6:	Not reported
Three Year CP Review H:	Not reported
Other Pipe I4:	Not reported
Three Year CP Review J:	Not reported
Other External Prot Pipe J3:	Not reported
Test Date K:	1901-01-01 00:00:00

JC BOXS TEXACO (Continued) **U004231667**

T Test 13 M3:	Not reported
TT Test Reviewed:	Not reported
Tight Test Date 13:	Not reported
Other M11:	Not reported
Other N1D:	Not reported
LF Test Reviewed:	Not reported
Groundwater Monitoring N2D:	Not reported
Other N2H:	Not reported
Line Tightness Testing 3YRS O1:	Not reported
Sir 15 07:	Not reported
Tank Comments:	Not reported

UST:

Account number:	11732
Owner Name:	ESTES OIL COMPANY, INC.
Owner Address:	3300 WOODWARD AVENUE
Owner City:	MUSCLE SHOALS
Owner State:	AL
Owner Zip:	35661
Owner Zip 2:	Not reported
Owner Telephone:	2053834513
Owner Type 2:	P
GSA ID:	Not reported
Owner Contact Name:	SARA BONFIELD
Owner Contact Telephone:	2053834513
Exempt:	Not reported

Account number:	11732
Site ID:	4341
Facility ID:	11732 33 4341
Last Usage Date:	1996-01-01
Install Date:	1961-01-01
Capacity:	500
Compartments:	1
Unleaded Gas:	X
Midgrade Gas:	Not reported
Premium Gas:	Not reported
Diesel:	Not reported
Kerosene:	Not reported
Aviation Fuel:	Not reported
Used Oil:	Not reported
Virgin Oil:	Not reported
Local Government:	Not reported
State and Federal:	Not reported
Steel:	X
Fiberglass and Plastic:	Not reported
Cathodic Protection:	Not reported
Field Installed Cathodic:	Not reported
Interior Lined:	Not reported
Three Year CP Test Date:	Not reported
Bare Steel:	X
Fiberglass/Plastic:	Not reported
Flexible:	Not reported
Three Year CP Test Date:	Not reported
Catchment Basin:	Not reported
Flow Restrictor:	Not reported
Auto Shutoff:	Not reported

JC BOXS TEXACO (Continued) **U004231667**

Alarm:	Not reported
ATG:	Not reported
Continuous ATG:	Not reported
Secondary:	Not reported
Vapor:	Not reported
Groundwater:	Not reported
Statistical Inv Reconciled:	Not reported
Annual Test Date:	Not reported
Annual Line Test:	Not reported
Auto Ele Line Leak Detect:	Not reported
Line Tight Test Date:	Not reported
Vapor Monitoring:	Not reported
Sir 15:	Not reported
Interstitial W2 Cont:	Not reported
Line Tight 3 Years Test Date:	Not reported
Check Value:	X
Gravity P:	Not reported
Unique Tank Number:	11089
Cannot Locate:	Not reported
Year of Last Sir Report:	Not reported
Tank Contains Gasohol (85% Ethanol):	Not reported
Tank Contains Biodiesel:	Not reported
Number Manifolds:	0
Single Walled Tank:	Not reported
Double Walled Tank:	Not reported
Steel Tank Coated W/ Fiberglass:	Not reported
Single Walled Piping:	Not reported
Double Walled Piping:	Not reported
Submersible Pump Sump Inspection Date:	1901-01-01
Tank Number:	2
Current A1:	Not reported
Temporary A2:	Not reported
Retired:	Not reported
Permanent A3:	X
Removal Date 3:	1998-10-29 00:00:00
Inert:	Not reported
Inert Date 3:	Not reported
Closed Without Assessment:	Not reported
Within Distance of Well 1:	Not reported
Other Petro E1L:	Not reported
Cercla Substance Name E2A:	Not reported
Cas Number E2B:	Not reported
Retail Tank F2:	Not reported
Bulk Facility Tank F3:	Not reported
Industrial Tank F4:	Not reported
Farm Residential F7:	Not reported
Other Material G3:	Not reported
Other Extern H6:	Not reported
Three Year CP Review H:	Not reported
Other Pipe I4:	Not reported
Three Year CP Review J:	Not reported
Other External Prot Pipe J3:	Not reported
Test Date K:	1901-01-01 00:00:00
T Test 13 M3:	Not reported
TT Test Reviewed:	Not reported
Tight Test Date 13:	Not reported
Other M11:	Not reported

JC BOXS TEXACO (Continued) **U004231667**

Other N1D:	Not reported
LF Test Reviewed:	Not reported
Groundwater Monitoring N2D:	Not reported
Other N2H:	Not reported
Line Tightness Testing 3YRS O1:	Not reported
Sir 15 07:	Not reported
Tank Comments:	Not reported

UST:

Account number:	11732
Owner Name:	ESTES OIL COMPANY, INC.
Owner Address:	3300 WOODWARD AVENUE
Owner City:	MUSCLE SHOALS
Owner State:	AL
Owner Zip:	35661
Owner Zip 2:	Not reported
Owner Telephone:	2053834513
Owner Type 2:	P
GSA ID:	Not reported
Owner Contact Name:	SARA BONFIELD
Owner Contact Telephone:	2053834513
Exempt:	Not reported

Account number:	11732
Site ID:	4341
Facility ID:	11732 33 4341
Last Usage Date:	1996-01-01
Install Date:	1961-01-01
Capacity:	1000
Compartments:	1
Unleaded Gas:	X
Midgrade Gas:	Not reported
Premium Gas:	Not reported
Diesel:	Not reported
Kerosene:	Not reported
Aviation Fuel:	Not reported
Used Oil:	Not reported
Virgin Oil:	Not reported
Local Government:	Not reported
State and Federal:	Not reported
Steel:	X
Fiberglass and Plastic:	Not reported
Cathodic Protection:	Not reported
Field Installed Cathodic:	Not reported
Interior Lined:	Not reported
Three Year CP Test Date:	Not reported
Bare Steel:	X
Fiberglass/Plastic:	Not reported
Flexible:	Not reported
Three Year CP Test Date:	Not reported
Catchment Basin:	Not reported
Flow Restrictor:	Not reported
Auto Shutoff:	Not reported
Alarm:	Not reported
ATG:	Not reported
Continuous ATG:	Not reported
Secondary:	Not reported

JC BOXS TEXACO (Continued) **U004231667**

Vapor:	Not reported
Groundwater:	Not reported
Statistical Inv Reconciled:	Not reported
Annual Test Date:	Not reported
Annual Line Test:	Not reported
Auto Ele Line Leak Detect:	Not reported
Line Tight Test Date:	Not reported
Vapor Monitoring:	Not reported
Sir 15:	Not reported
Interstitial W2 Cont:	Not reported
Line Tight 3 Years Test Date:	Not reported
Check Value:	X
Gravity P:	Not reported
Unique Tank Number:	11090
Cannot Locate:	Not reported
Year of Last Sir Report:	Not reported
Tank Contains Gasohol (85% Ethanol):	Not reported
Tank Contains Biodiesel:	Not reported
Number Manifolds:	0
Single Walled Tank:	Not reported
Double Walled Tank:	Not reported
Steel Tank Coated W/ Fiberglass:	Not reported
Single Walled Piping:	Not reported
Double Walled Piping:	Not reported
Submersible Pump Sump Inspection Date:	1901-01-01
Tank Number:	3
Current A1:	Not reported
Temporary A2:	Not reported
Retired:	Not reported
Permanent A3:	X
Removal Date 3:	1998-10-29 00:00:00
Inert:	Not reported
Inert Date 3:	Not reported
Closed Without Assessment:	Not reported
Within Distance of Well 1:	Not reported
Other Petro E1L:	Not reported
Cercla Substance Name E2A:	Not reported
Cas Number E2B:	Not reported
Retail Tank F2:	Not reported
Bulk Facility Tank F3:	Not reported
Industrial Tank F4:	Not reported
Farm Residential F7:	Not reported
Other Material G3:	Not reported
Other Extern H6:	Not reported
Three Year CP Review H:	Not reported
Other Pipe I4:	Not reported
Three Year CP Review J:	Not reported
Other External Prot Pipe J3:	Not reported
Test Date K:	1901-01-01 00:00:00
T Test 13 M3:	Not reported
TT Test Reviewed:	Not reported
Tight Test Date 13:	Not reported
Other M11:	Not reported
Other N1D:	Not reported
LF Test Reviewed:	Not reported
Groundwater Monitoring N2D:	Not reported
Other N2H:	Not reported

JC BOXS TEXACO (Continued) **U004231667**

Line Tightness Testing 3YRS O1:	Not reported
Sir 15 07:	Not reported
Tank Comments:	Not reported

UST:

Account number:	11732
Owner Name:	ESTES OIL COMPANY, INC.
Owner Address:	3300 WOODWARD AVENUE
Owner City:	MUSCLE SHOALS
Owner State:	AL
Owner Zip:	35661
Owner Zip 2:	Not reported
Owner Telephone:	2053834513
Owner Type 2:	P
GSA ID:	Not reported
Owner Contact Name:	SARA BONFIELD
Owner Contact Telephone:	2053834513
Exempt:	Not reported

Account number:	11732
Site ID:	4341
Facility ID:	11732 33 4341
Last Usage Date:	1996-01-01
Install Date:	1961-01-01
Capacity:	1000
Compartments:	1
Unleaded Gas:	X
Midgrade Gas:	Not reported
Premium Gas:	Not reported
Diesel:	Not reported
Kerosene:	Not reported
Aviation Fuel:	Not reported
Used Oil:	Not reported
Virgin Oil:	Not reported
Local Government:	Not reported
State and Federal:	Not reported
Steel:	X
Fiberglass and Plastic:	Not reported
Cathodic Protection:	Not reported
Field Installed Cathodic:	Not reported
Interior Lined:	Not reported
Three Year CP Test Date:	Not reported
Bare Steel:	X
Fiberglass/Plastic:	Not reported
Flexible:	Not reported
Three Year CP Test Date:	Not reported
Catchment Basin:	Not reported
Flow Restrictor:	Not reported
Auto Shutoff:	Not reported
Alarm:	Not reported
ATG:	Not reported
Continuous ATG:	Not reported
Secondary:	Not reported
Vapor:	Not reported
Groundwater:	Not reported
Statistical Inv Reconciled:	Not reported
Annual Test Date:	Not reported

JC BOXS TEXACO (Continued) **U004231667**

Annual Line Test:	Not reported
Auto Ele Line Leak Detect:	Not reported
Line Tight Test Date:	Not reported
Vapor Monitoring:	Not reported
Sir 15:	Not reported
Interstitial W2 Cont:	Not reported
Line Tight 3 Years Test Date:	Not reported
Check Value:	X
Gravity P:	Not reported
Unique Tank Number:	11091
Cannot Locate:	Not reported
Year of Last Sir Report:	Not reported
Tank Contains Gasohol (85% Ethanol):	Not reported
Tank Contains Biodiesel:	Not reported
Number Manifolds:	0
Single Walled Tank:	Not reported
Double Walled Tank:	Not reported
Steel Tank Coated W/ Fiberglass:	Not reported
Single Walled Piping:	Not reported
Double Walled Piping:	Not reported
Submersible Pump Sump Inspection Date:	1901-01-01
Tank Number:	4
Current A1:	Not reported
Temporary A2:	Not reported
Retired:	Not reported
Permanent A3:	X
Removal Date 3:	1998-10-29 00:00:00
Inert:	Not reported
Inert Date 3:	Not reported
Closed Without Assessment:	Not reported
Within Distance of Well 1:	Not reported
Other Petro E1L:	Not reported
Cercla Substance Name E2A:	Not reported
Cas Number E2B:	Not reported
Retail Tank F2:	Not reported
Bulk Facility Tank F3:	Not reported
Industrial Tank F4:	Not reported
Farm Residential F7:	Not reported
Other Material G3:	Not reported
Other Extern H6:	Not reported
Three Year CP Review H:	Not reported
Other Pipe I4:	Not reported
Three Year CP Review J:	Not reported
Other External Prot Pipe J3:	Not reported
Test Date K:	1901-01-01 00:00:00
T Test 13 M3:	Not reported
TT Test Reviewed:	Not reported
Tight Test Date 13:	Not reported
Other M11:	Not reported
Other N1D:	Not reported
LF Test Reviewed:	Not reported
Groundwater Monitoring N2D:	Not reported
Other N2H:	Not reported
Line Tightness Testing 3YRS O1:	Not reported
Sir 15 07:	Not reported
Tank Comments:	Not reported

JC BOXS TEXACO (Continued) **U004231667**

UST:

Account number:	11732
Owner Name:	ESTES OIL COMPANY, INC.
Owner Address:	3300 WOODWARD AVENUE
Owner City:	MUSCLE SHOALS
Owner State:	AL
Owner Zip:	35661
Owner Zip 2:	Not reported
Owner Telephone:	2053834513
Owner Type 2:	P
GSA ID:	Not reported
Owner Contact Name:	SARA BONFIELD
Owner Contact Telephone:	2053834513
Exempt:	Not reported

Account number:	11732
Site ID:	4341
Facility ID:	11732 33 4341
Last Usage Date:	1996-01-01
Install Date:	1961-01-01
Capacity:	1000
Compartments:	1
Unleaded Gas:	X
Midgrade Gas:	Not reported
Premium Gas:	Not reported
Diesel:	Not reported
Kerosene:	Not reported
Aviation Fuel:	Not reported
Used Oil:	Not reported
Virgin Oil:	Not reported
Local Government:	Not reported
State and Federal:	Not reported
Steel:	X
Fiberglass and Plastic:	Not reported
Cathodic Protection:	Not reported
Field Installed Cathodic:	Not reported
Interior Lined:	Not reported
Three Year CP Test Date:	Not reported
Bare Steel:	X
Fiberglass/Plastic:	Not reported
Flexible:	Not reported
Three Year CP Test Date:	Not reported
Catchment Basin:	Not reported
Flow Restrictor:	Not reported
Auto Shutoff:	Not reported
Alarm:	Not reported
ATG:	Not reported
Continuous ATG:	Not reported
Secondary:	Not reported
Vapor:	Not reported
Groundwater:	Not reported
Statistical Inv Reconciled:	Not reported
Annual Test Date:	Not reported
Annual Line Test:	Not reported
Auto Ele Line Leak Detect:	Not reported
Line Tight Test Date:	Not reported

JC BOXS TEXACO (Continued) **U004231667**

Vapor Monitoring:	Not reported
Sir 15:	Not reported
Interstitial W2 Cont:	Not reported
Line Tight 3 Years Test Date:	Not reported
Check Value:	X
Gravity P:	Not reported
Unique Tank Number:	11092
Cannot Locate:	Not reported
Year of Last Sir Report:	Not reported
Tank Contains Gasohol (85% Ethanol):	Not reported
Tank Contains Biodiesel:	Not reported
Number Manifolds:	0
Single Walled Tank:	Not reported
Double Walled Tank:	Not reported
Steel Tank Coated W/ Fiberglass:	Not reported
Single Walled Piping:	Not reported
Double Walled Piping:	Not reported
Submersible Pump Sump Inspection Date:	1901-01-01
Tank Number:	5
Current A1:	Not reported
Temporary A2:	Not reported
Retired:	Not reported
Permanent A3:	X
Removal Date 3:	1998-10-29 00:00:00
Inert:	Not reported
Inert Date 3:	Not reported
Closed Without Assessment:	Not reported
Within Distance of Well 1:	Not reported
Other Petro E1L:	Not reported
Cercla Substance Name E2A:	Not reported
Cas Number E2B:	Not reported
Retail Tank F2:	Not reported
Bulk Facility Tank F3:	Not reported
Industrial Tank F4:	Not reported
Farm Residential F7:	Not reported
Other Material G3:	Not reported
Other Extern H6:	Not reported
Three Year CP Review H:	Not reported
Other Pipe I4:	Not reported
Three Year CP Review J:	Not reported
Other External Prot Pipe J3:	Not reported
Test Date K:	1901-01-01 00:00:00
T Test 13 M3:	Not reported
TT Test Reviewed:	Not reported
Tight Test Date 13:	Not reported
Other M11:	Not reported
Other N1D:	Not reported
LF Test Reviewed:	Not reported
Groundwater Monitoring N2D:	Not reported
Other N2H:	Not reported
Line Tightness Testing 3YRS O1:	Not reported
Sir 15 07:	Not reported
Tank Comments:	Not reported

UST:

Account number:	11732
Owner Name:	ESTES OIL COMPANY, INC.
Owner Address:	3300 WOODWARD AVENUE

JC BOXS TEXACO (Continued) **U004231667**

Owner City:	MUSCLE SHOALS
Owner State:	AL
Owner Zip:	35661
Owner Zip 2:	Not reported
Owner Telephone:	2053834513
Owner Type 2:	P
GSA ID:	Not reported
Owner Contact Name:	SARA BONFIELD
Owner Contact Telephone:	2053834513
Exempt:	Not reported

AL Financial Assurance:

Name:	JC BOXS TEXACO
Address:	400 E 2ND ST & ATLANTA ST
City,State,Zip:	SHEFFIELD, AL 35660
Account Number:	11732
Site ID Number:	4341
Facility Contact:	ED ESTES
Facility Contact Phone:	2053834513
Tank Number:	4
Compliance AUST 18 R1:	Not reported
Net Worth 25000 18 R1A:	Not reported
Surety 18 R1B:	Not reported
Private Insurance 18 R2A:	Not reported
Insurer 18 R2A:	Not reported
Policy Number 18 R2A:	Not reported
Guarantee 18 2RB:	Not reported
Self Insured 18 R2C:	Not reported

Name:	JC BOXS TEXACO
Address:	400 E 2ND ST & ATLANTA ST
City,State,Zip:	SHEFFIELD, AL 35660
Account Number:	11732
Site ID Number:	4341
Facility Contact:	ED ESTES
Facility Contact Phone:	2053834513
Tank Number:	1
Compliance AUST 18 R1:	Not reported
Net Worth 25000 18 R1A:	Not reported
Surety 18 R1B:	Not reported
Private Insurance 18 R2A:	Not reported
Insurer 18 R2A:	Not reported
Policy Number 18 R2A:	Not reported
Guarantee 18 2RB:	Not reported
Self Insured 18 R2C:	Not reported

Name:	JC BOXS TEXACO
Address:	400 E 2ND ST & ATLANTA ST
City,State,Zip:	SHEFFIELD, AL 35660
Account Number:	11732
Site ID Number:	4341
Facility Contact:	ED ESTES
Facility Contact Phone:	2053834513
Tank Number:	2
Compliance AUST 18 R1:	Not reported

JC BOXS TEXACO (Continued) **U004231667**

Net Worth 25000 18 R1A: Not reported
Surety 18 R1B: Not reported
Private Insurance 18 R2A: Not reported
Insurer 18 R2A: Not reported
Policy Number 18 R2A: Not reported
Guarantee 18 2RB: Not reported
Self Insured 18 R2C: Not reported

Name: JC BOXS TEXACO
Address: 400 E 2ND ST & ATLANTA ST
City,State,Zip: SHEFFIELD, AL 35660
Account Number: 11732
Site ID Number: 4341
Facility Contact: ED ESTES
Facility Contact Phone: 2053834513
Tank Number: 3
Compliance AUST 18 R1: Not reported
Net Worth 25000 18 R1A: Not reported
Surety 18 R1B: Not reported
Private Insurance 18 R2A: Not reported
Insurer 18 R2A: Not reported
Policy Number 18 R2A: Not reported
Guarantee 18 2RB: Not reported
Self Insured 18 R2C: Not reported

Name: JC BOXS TEXACO
Address: 400 E 2ND ST & ATLANTA ST
City,State,Zip: SHEFFIELD, AL 35660
Account Number: 11732
Site ID Number: 4341
Facility Contact: ED ESTES
Facility Contact Phone: 2053834513
Tank Number: 5
Compliance AUST 18 R1: Not reported
Net Worth 25000 18 R1A: Not reported
Surety 18 R1B: Not reported
Private Insurance 18 R2A: Not reported
Insurer 18 R2A: Not reported
Policy Number 18 R2A: Not reported
Guarantee 18 2RB: Not reported
Self Insured 18 R2C: Not reported

12
NW
< 1/8
0.110 mi.
582 ft.

JOHNSONS AUTO SALES & SERVICE
102 NORTH COLUMBIA AVENUE
SHEFFIELD, AL 35660

RCRA-VSQG **1000984578**
FINDS **ALR000000851**
ECHO

Relative:
Higher

Actual:
495 ft.

RCRA-VSQG:
Date form received by agency: 1994-10-21 00:00:00.0
Facility name: JOHNSONS AUTO SALES & SERVICE
Facility address: 102 NORTH COLUMBIA AVENUE
SHEFFIELD, AL 35660
EPA ID: ALR000000851
Mailing address: NORTH COLUMBIA AVENUE
SHEFFIELD, AL 35660
Contact: Not reported
Contact address: Not reported

JOHNSONS AUTO SALES & SERVICE (Continued) **1000984578**

Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 04
Land type: Private
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:
Owner/operator name: JOHNSONS AUTO SALES & SERVICE
Owner/operator address: 102 NORTH COLUMBIA AVENUE
SHEFFIELD, AL 35660
Owner/operator country: Not reported
Owner/operator telephone: 205-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Hazardous Waste Summary:

. Waste code: D001

JOHNSONS AUTO SALES & SERVICE (Continued) **1000984578**

. Waste name: IGNITABLE WASTE

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 1994-10-21 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110003382919

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000984578
Registry ID: 110003382919
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110003382919

C13 **SMITHS AUTO SERVICE** **EDR Hist Auto** **1020791605**
NNW **320 E 2ND ST** **N/A**
< 1/8 **SHEFFIELD, AL 35660**
0.123 mi.
650 ft. **Site 3 of 4 in cluster C**

Relative: EDR Hist Auto
Higher

Actual: **497 ft.**

Year:	Name:	Type:
1975	BYARS TEXACO SERVICE STATION	Gasoline Service Stations
1976	BYARS TEXACO SERVICE STATION	Gasoline Service Stations
1977	BYARS TEXACO SERVICE STATION	Gasoline Service Stations
1978	BYARS TEXACO SERVICE STATION	Gasoline Service Stations
1979	BYARS TEXACO SERVICE STATION	Gasoline Service Stations
1980	BYARS TEXACO SERVICE STATION	Gasoline Service Stations
1982	BYARS TEXACO SERVICE STATION	Gasoline Service Stations
1983	BYARS TEXACO SERVICE STATION	Gasoline Service Stations
1985	BYARS TEXACO SERVICE STATION	Gasoline Service Stations
1987	JRS EXXON	Gasoline Service Stations
1988	JRS EXXON	Gasoline Service Stations
2005	WAYNES AUTO & RADIATOR REPAIR	Automotive Repair Shops, NEC
2006	WAYNES AUTO & RADIATOR REPAIR	Automotive Repair Shops, NEC
2007	SMITHS AUTO SERVICE	General Automotive Repair Shops
2008	SMITHS AUTO SERVICE	General Automotive Repair Shops

C14 **JR'S EXXON** **UST** **U004248891**
NNW **320 E 2ND ST NEAR ATLANTA AVE** **Financial Assurance** **N/A**
< 1/8 **SHEFFIELD, AL 35660**
0.123 mi.
650 ft. **Site 4 of 4 in cluster C**

Relative:
Higher

Actual:
497 ft.

UST:

Name:	JR'S EXXON
Address:	320 E 2ND ST NEAR ATLANTA AVE
City,State,Zip:	SHEFFIELD, AL 35660
Facility ID:	10094 33 6901
Account Number:	10094
Site ID Number:	6901
Contact Name:	JEFF WICKS
Contact Phone:	2053816635
Exempt:	Not reported
Located Within Indian Lands:	Not reported
GPS Latitude:	0
GPS Longitude:	0
Located Wellhead Protection:	Not reported
Cannot Locate Site:	Not reported
Abandoned Site:	Not reported
Residence Adjacent:	Not reported
Residence Within 300 ft:	Not reported
Under Dispersion Containment:	Not reported
UDC Insp. Date:	Not reported
UDC Insp. Results:	Not reported
Date Last Inspected:	Not reported

UST:

Account number:	10094
Site ID:	6901
Facility ID:	10094 33 6901
Last Usage Date:	1901-01-01
Install Date:	1967-01-01
Capacity:	2000
Compartments:	1
Unleaded Gas:	X
Midgrade Gas:	Not reported
Premium Gas:	Not reported
Diesel:	Not reported
Kerosene:	Not reported
Aviation Fuel:	Not reported
Used Oil:	Not reported
Virgin Oil:	Not reported
Local Government:	Not reported
State and Federal:	Not reported
Steel:	X
Fiberglass and Plastic:	Not reported
Cathodic Protection:	Not reported
Field Installed Cathodic:	Not reported
Interior Lined:	Not reported
Three Year CP Test Date:	Not reported
Bare Steel:	X
Fiberglass/Plastic:	Not reported
Flexible:	Not reported
Three Year CP Test Date:	Not reported
Catchment Basin:	Not reported
Flow Restrictor:	Not reported
Auto Shutoff:	Not reported

JR'S EXXON (Continued) **U004248891**

Alarm:	Not reported
ATG:	Not reported
Continuous ATG:	Not reported
Secondary:	Not reported
Vapor:	Not reported
Groundwater:	Not reported
Statistical Inv Reconciled:	Not reported
Annual Test Date:	Not reported
Annual Line Test:	Not reported
Auto Ele Line Leak Detect:	Not reported
Line Tight Test Date:	Not reported
Vapor Monitoring:	Not reported
Sir 15:	Not reported
Interstitial W2 Cont:	Not reported
Line Tight 3 Years Test Date:	Not reported
Check Value:	Not reported
Gravity P:	Not reported
Unique Tank Number:	609
Cannot Locate:	Not reported
Year of Last Sir Report:	Not reported
Tank Contains Gasohol (85% Ethanol):	Not reported
Tank Contains Biodiesel:	Not reported
Number Manifolds:	0
Single Walled Tank:	Not reported
Double Walled Tank:	Not reported
Steel Tank Coated W/ Fiberglass:	Not reported
Single Walled Piping:	Not reported
Double Walled Piping:	Not reported
Submersible Pump Sump Inspection Date:	1901-01-01
Tank Number:	1
Current A1:	Not reported
Temporary A2:	Not reported
Retired:	Not reported
Permanent A3:	X
Removal Date 3:	1988-12-01 00:00:00
Inert:	Not reported
Inert Date 3:	Not reported
Closed Without Assessment:	Not reported
Within Distance of Well 1:	Not reported
Other Petro E1L:	Not reported
Cercla Substance Name E2A:	Not reported
Cas Number E2B:	Not reported
Retail Tank F2:	Not reported
Bulk Facility Tank F3:	Not reported
Industrial Tank F4:	Not reported
Farm Residential F7:	Not reported
Other Material G3:	Not reported
Other Extern H6:	Not reported
Three Year CP Review H:	Not reported
Other Pipe I4:	Not reported
Three Year CP Review J:	Not reported
Other External Prot Pipe J3:	Not reported
Test Date K:	1901-01-01 00:00:00
T Test 13 M3:	Not reported
TT Test Reviewed:	Not reported
Tight Test Date 13:	Not reported
Other M11:	Not reported

JR'S EXXON (Continued) **U004248891**

Other N1D:	Not reported
LF Test Reviewed:	Not reported
Groundwater Monitoring N2D:	Not reported
Other N2H:	Not reported
Line Tightness Testing 3YRS O1:	Not reported
Sir 15 07:	Not reported
Tank Comments:	Not reported

UST:

Account number:	10094
Owner Name:	ALABAMA OIL CO. OF SHEFFIELD, INC.
Owner Address:	P.O. DRAWER E
Owner City:	SHEFFIELD
Owner State:	AL
Owner Zip:	35660
Owner Zip 2:	Not reported
Owner Telephone:	2563831332
Owner Type 2:	P
GSA ID:	Not reported
Owner Contact Name:	JAMES STANPHILL
Owner Contact Telephone:	2563831332
Exempt:	Not reported

Account number:	10094
Site ID:	6901
Facility ID:	10094 33 6901
Last Usage Date:	1901-01-01
Install Date:	1967-01-01
Capacity:	2000
Compartments:	1
Unleaded Gas:	X
Midgrade Gas:	Not reported
Premium Gas:	Not reported
Diesel:	Not reported
Kerosene:	Not reported
Aviation Fuel:	Not reported
Used Oil:	Not reported
Virgin Oil:	Not reported
Local Government:	Not reported
State and Federal:	Not reported
Steel:	X
Fiberglass and Plastic:	Not reported
Cathodic Protection:	Not reported
Field Installed Cathodic:	Not reported
Interior Lined:	Not reported
Three Year CP Test Date:	Not reported
Bare Steel:	X
Fiberglass/Plastic:	Not reported
Flexible:	Not reported
Three Year CP Test Date:	Not reported
Catchment Basin:	Not reported
Flow Restrictor:	Not reported
Auto Shutoff:	Not reported
Alarm:	Not reported
ATG:	Not reported
Continuous ATG:	Not reported
Secondary:	Not reported

JR'S EXXON (Continued) **U004248891**

Vapor:	Not reported
Groundwater:	Not reported
Statistical Inv Reconciled:	Not reported
Annual Test Date:	Not reported
Annual Line Test:	Not reported
Auto Ele Line Leak Detect:	Not reported
Line Tight Test Date:	Not reported
Vapor Monitoring:	Not reported
Sir 15:	Not reported
Interstitial W2 Cont:	Not reported
Line Tight 3 Years Test Date:	Not reported
Check Value:	Not reported
Gravity P:	Not reported
Unique Tank Number:	610
Cannot Locate:	Not reported
Year of Last Sir Report:	Not reported
Tank Contains Gasohol (85% Ethanol):	Not reported
Tank Contains Biodiesel:	Not reported
Number Manifolds:	0
Single Walled Tank:	Not reported
Double Walled Tank:	Not reported
Steel Tank Coated W/ Fiberglass:	Not reported
Single Walled Piping:	Not reported
Double Walled Piping:	Not reported
Submersible Pump Sump Inspection Date:	1901-01-01
Tank Number:	2
Current A1:	Not reported
Temporary A2:	Not reported
Retired:	Not reported
Permanent A3:	X
Removal Date 3:	1988-12-01 00:00:00
Inert:	Not reported
Inert Date 3:	Not reported
Closed Without Assessment:	Not reported
Within Distance of Well 1:	Not reported
Other Petro E1L:	Not reported
Cercla Substance Name E2A:	Not reported
Cas Number E2B:	Not reported
Retail Tank F2:	Not reported
Bulk Facility Tank F3:	Not reported
Industrial Tank F4:	Not reported
Farm Residential F7:	Not reported
Other Material G3:	Not reported
Other Extern H6:	Not reported
Three Year CP Review H:	Not reported
Other Pipe I4:	Not reported
Three Year CP Review J:	Not reported
Other External Prot Pipe J3:	Not reported
Test Date K:	1901-01-01 00:00:00
T Test 13 M3:	Not reported
TT Test Reviewed:	Not reported
Tight Test Date 13:	Not reported
Other M11:	Not reported
Other N1D:	Not reported
LF Test Reviewed:	Not reported
Groundwater Monitoring N2D:	Not reported
Other N2H:	Not reported

JR'S EXXON (Continued) **U004248891**

Line Tightness Testing 3YRS O1:	Not reported
Sir 15 07:	Not reported
Tank Comments:	Not reported

UST:

Account number:	10094
Owner Name:	ALABAMA OIL CO. OF SHEFFIELD, INC.
Owner Address:	P.O. DRAWER E
Owner City:	SHEFFIELD
Owner State:	AL
Owner Zip:	35660
Owner Zip 2:	Not reported
Owner Telephone:	2563831332
Owner Type 2:	P
GSA ID:	Not reported
Owner Contact Name:	JAMES STANPHILL
Owner Contact Telephone:	2563831332
Exempt:	Not reported

Account number:	10094
Site ID:	6901
Facility ID:	10094 33 6901
Last Usage Date:	1901-01-01
Install Date:	1967-01-01
Capacity:	2000
Compartments:	1
Unleaded Gas:	X
Midgrade Gas:	Not reported
Premium Gas:	Not reported
Diesel:	Not reported
Kerosene:	Not reported
Aviation Fuel:	Not reported
Used Oil:	Not reported
Virgin Oil:	Not reported
Local Government:	Not reported
State and Federal:	Not reported
Steel:	X
Fiberglass and Plastic:	Not reported
Cathodic Protection:	Not reported
Field Installed Cathodic:	Not reported
Interior Lined:	Not reported
Three Year CP Test Date:	Not reported
Bare Steel:	X
Fiberglass/Plastic:	Not reported
Flexible:	Not reported
Three Year CP Test Date:	Not reported
Catchment Basin:	Not reported
Flow Restrictor:	Not reported
Auto Shutoff:	Not reported
Alarm:	Not reported
ATG:	Not reported
Continuous ATG:	Not reported
Secondary:	Not reported
Vapor:	Not reported
Groundwater:	Not reported
Statistical Inv Reconciled:	Not reported
Annual Test Date:	Not reported

JR'S EXXON (Continued) **U004248891**

Annual Line Test:	Not reported
Auto Ele Line Leak Detect:	Not reported
Line Tight Test Date:	Not reported
Vapor Monitoring:	Not reported
Sir 15:	Not reported
Interstitial W2 Cont:	Not reported
Line Tight 3 Years Test Date:	Not reported
Check Value:	Not reported
Gravity P:	Not reported
Unique Tank Number:	611
Cannot Locate:	Not reported
Year of Last Sir Report:	Not reported
Tank Contains Gasohol (85% Ethanol):	Not reported
Tank Contains Biodiesel:	Not reported
Number Manifolds:	0
Single Walled Tank:	Not reported
Double Walled Tank:	Not reported
Steel Tank Coated W/ Fiberglass:	Not reported
Single Walled Piping:	Not reported
Double Walled Piping:	Not reported
Submersible Pump Sump Inspection Date:	1901-01-01
Tank Number:	3
Current A1:	Not reported
Temporary A2:	Not reported
Retired:	Not reported
Permanent A3:	X
Removal Date 3:	1988-12-01 00:00:00
Inert:	Not reported
Inert Date 3:	Not reported
Closed Without Assessment:	Not reported
Within Distance of Well 1:	Not reported
Other Petro E1L:	Not reported
Cercla Substance Name E2A:	Not reported
Cas Number E2B:	Not reported
Retail Tank F2:	Not reported
Bulk Facility Tank F3:	Not reported
Industrial Tank F4:	Not reported
Farm Residential F7:	Not reported
Other Material G3:	Not reported
Other Extern H6:	Not reported
Three Year CP Review H:	Not reported
Other Pipe I4:	Not reported
Three Year CP Review J:	Not reported
Other External Prot Pipe J3:	Not reported
Test Date K:	1901-01-01 00:00:00
T Test 13 M3:	Not reported
TT Test Reviewed:	Not reported
Tight Test Date 13:	Not reported
Other M11:	Not reported
Other N1D:	Not reported
LF Test Reviewed:	Not reported
Groundwater Monitoring N2D:	Not reported
Other N2H:	Not reported
Line Tightness Testing 3YRS O1:	Not reported
Sir 15 07:	Not reported
Tank Comments:	Not reported

JR'S EXXON (Continued) **U004248891**

UST:

Account number:	10094
Owner Name:	ALABAMA OIL CO. OF SHEFFIELD, INC.
Owner Address:	P.O. DRAWER E
Owner City:	SHEFFIELD
Owner State:	AL
Owner Zip:	35660
Owner Zip 2:	Not reported
Owner Telephone:	2563831332
Owner Type 2:	P
GSA ID:	Not reported
Owner Contact Name:	JAMES STANPHILL
Owner Contact Telephone:	2563831332
Exempt:	Not reported

Account number:	10094
Site ID:	6901
Facility ID:	10094 33 6901
Last Usage Date:	1901-01-01
Install Date:	1967-01-01
Capacity:	2000
Compartments:	1
Unleaded Gas:	X
Midgrade Gas:	Not reported
Premium Gas:	Not reported
Diesel:	Not reported
Kerosene:	Not reported
Aviation Fuel:	Not reported
Used Oil:	Not reported
Virgin Oil:	Not reported
Local Government:	Not reported
State and Federal:	Not reported
Steel:	X
Fiberglass and Plastic:	Not reported
Cathodic Protection:	Not reported
Field Installed Cathodic:	Not reported
Interior Lined:	Not reported
Three Year CP Test Date:	Not reported
Bare Steel:	X
Fiberglass/Plastic:	Not reported
Flexible:	Not reported
Three Year CP Test Date:	Not reported
Catchment Basin:	Not reported
Flow Restrictor:	Not reported
Auto Shutoff:	Not reported
Alarm:	Not reported
ATG:	Not reported
Continuous ATG:	Not reported
Secondary:	Not reported
Vapor:	Not reported
Groundwater:	Not reported
Statistical Inv Reconciled:	Not reported
Annual Test Date:	Not reported
Annual Line Test:	Not reported
Auto Ele Line Leak Detect:	Not reported
Line Tight Test Date:	Not reported

JR'S EXXON (Continued) **U004248891**

Vapor Monitoring:	Not reported
Sir 15:	Not reported
Interstitial W2 Cont:	Not reported
Line Tight 3 Years Test Date:	Not reported
Check Value:	Not reported
Gravity P:	Not reported
Unique Tank Number:	612
Cannot Locate:	Not reported
Year of Last Sir Report:	Not reported
Tank Contains Gasohol (85% Ethanol):	Not reported
Tank Contains Biodiesel:	Not reported
Number Manifolds:	0
Single Walled Tank:	Not reported
Double Walled Tank:	Not reported
Steel Tank Coated W/ Fiberglass:	Not reported
Single Walled Piping:	Not reported
Double Walled Piping:	Not reported
Submersible Pump Sump Inspection Date:	1901-01-01
Tank Number:	4
Current A1:	Not reported
Temporary A2:	Not reported
Retired:	Not reported
Permanent A3:	X
Removal Date 3:	1988-12-01 00:00:00
Inert:	Not reported
Inert Date 3:	Not reported
Closed Without Assessment:	Not reported
Within Distance of Well 1:	Not reported
Other Petro E1L:	Not reported
Cercla Substance Name E2A:	Not reported
Cas Number E2B:	Not reported
Retail Tank F2:	Not reported
Bulk Facility Tank F3:	Not reported
Industrial Tank F4:	Not reported
Farm Residential F7:	Not reported
Other Material G3:	Not reported
Other Extern H6:	Not reported
Three Year CP Review H:	Not reported
Other Pipe I4:	Not reported
Three Year CP Review J:	Not reported
Other External Prot Pipe J3:	Not reported
Test Date K:	1901-01-01 00:00:00
T Test 13 M3:	Not reported
TT Test Reviewed:	Not reported
Tight Test Date 13:	Not reported
Other M11:	Not reported
Other N1D:	Not reported
LF Test Reviewed:	Not reported
Groundwater Monitoring N2D:	Not reported
Other N2H:	Not reported
Line Tightness Testing 3YRS O1:	Not reported
Sir 15 07:	Not reported
Tank Comments:	Not reported

UST:

Account number:	10094
Owner Name:	ALABAMA OIL CO. OF SHEFFIELD, INC.
Owner Address:	P.O. DRAWER E

JR'S EXXON (Continued) **U004248891**

Owner City:	SHEFFIELD
Owner State:	AL
Owner Zip:	35660
Owner Zip 2:	Not reported
Owner Telephone:	2563831332
Owner Type 2:	P
GSA ID:	Not reported
Owner Contact Name:	JAMES STANPHILL
Owner Contact Telephone:	2563831332
Exempt:	Not reported

Account number:	10094
Site ID:	6901
Facility ID:	10094 33 6901
Last Usage Date:	1901-01-01
Install Date:	1967-01-01
Capacity:	560
Compartments:	1
Unleaded Gas:	Not reported
Midgrade Gas:	Not reported
Premium Gas:	Not reported
Diesel:	Not reported
Kerosene:	Not reported
Aviation Fuel:	Not reported
Used Oil:	Not reported
Virgin Oil:	Not reported
Local Government:	Not reported
State and Federal:	Not reported
Steel:	X
Fiberglass and Plastic:	Not reported
Cathodic Protection:	Not reported
Field Installed Cathodic:	Not reported
Interior Lined:	Not reported
Three Year CP Test Date:	Not reported
Bare Steel:	X
Fiberglass/Plastic:	Not reported
Flexible:	Not reported
Three Year CP Test Date:	Not reported
Catchment Basin:	Not reported
Flow Restrictor:	Not reported
Auto Shutoff:	Not reported
Alarm:	Not reported
ATG:	Not reported
Continuous ATG:	Not reported
Secondary:	Not reported
Vapor:	Not reported
Groundwater:	Not reported
Statistical Inv Reconciled:	Not reported
Annual Test Date:	Not reported
Annual Line Test:	Not reported
Auto Ele Line Leak Detect:	Not reported
Line Tight Test Date:	Not reported
Vapor Monitoring:	Not reported
Sir 15:	Not reported
Interstitial W2 Cont:	Not reported
Line Tight 3 Years Test Date:	Not reported

JR'S EXXON (Continued) **U004248891**

Check Value:	Not reported
Gravity P:	Not reported
Unique Tank Number:	613
Cannot Locate:	Not reported
Year of Last Sir Report:	Not reported
Tank Contains Gasohol (85% Ethanol):	Not reported
Tank Contains Biodiesel:	Not reported
Number Manifolds:	0
Single Walled Tank:	Not reported
Double Walled Tank:	Not reported
Steel Tank Coated W/ Fiberglass:	Not reported
Single Walled Piping:	Not reported
Double Walled Piping:	Not reported
Submersible Pump Sump Inspection Date:	1901-01-01
Tank Number:	5
Current A1:	Not reported
Temporary A2:	Not reported
Retired:	Not reported
Permanent A3:	X
Removal Date 3:	1988-12-01 00:00:00
Inert:	Not reported
Inert Date 3:	Not reported
Closed Without Assessment:	Not reported
Within Distance of Well 1:	Not reported
Other Petro E1L:	OTHER
Cercla Substance Name E2A:	Not reported
Cas Number E2B:	Not reported
Retail Tank F2:	Not reported
Bulk Facility Tank F3:	Not reported
Industrial Tank F4:	Not reported
Farm Residential F7:	Not reported
Other Material G3:	Not reported
Other Extern H6:	Not reported
Three Year CP Review H:	Not reported
Other Pipe I4:	Not reported
Three Year CP Review J:	Not reported
Other External Prot Pipe J3:	Not reported
Test Date K:	1901-01-01 00:00:00
T Test 13 M3:	Not reported
TT Test Reviewed:	Not reported
Tight Test Date 13:	Not reported
Other M11:	Not reported
Other N1D:	Not reported
LF Test Reviewed:	Not reported
Groundwater Monitoring N2D:	Not reported
Other N2H:	Not reported
Line Tightness Testing 3YRS O1:	Not reported
Sir 15 07:	Not reported
Tank Comments:	Not reported

UST:

Account number:	10094
Owner Name:	ALABAMA OIL CO. OF SHEFFIELD, INC.
Owner Address:	P.O. DRAWER E
Owner City:	SHEFFIELD
Owner State:	AL
Owner Zip:	35660
Owner Zip 2:	Not reported

JR'S EXXON (Continued) **U004248891**

Owner Telephone:	2563831332
Owner Type 2:	P
GSA ID:	Not reported
Owner Contact Name:	JAMES STANPHILL
Owner Contact Telephone:	2563831332
Exempt:	Not reported

Account number:	10094
Site ID:	6901
Facility ID:	10094 33 6901
Last Usage Date:	1901-01-01
Install Date:	1967-01-01
Capacity:	560
Compartments:	1
Unleaded Gas:	Not reported
Midgrade Gas:	Not reported
Premium Gas:	Not reported
Diesel:	Not reported
Kerosene:	Not reported
Aviation Fuel:	Not reported
Used Oil:	Not reported
Virgin Oil:	Not reported
Local Government:	Not reported
State and Federal:	Not reported
Steel:	X
Fiberglass and Plastic:	Not reported
Cathodic Protection:	Not reported
Field Installed Cathodic:	Not reported
Interior Lined:	Not reported
Three Year CP Test Date:	Not reported
Bare Steel:	X
Fiberglass/Plastic:	Not reported
Flexible:	Not reported
Three Year CP Test Date:	Not reported
Catchment Basin:	Not reported
Flow Restrictor:	Not reported
Auto Shutoff:	Not reported
Alarm:	Not reported
ATG:	Not reported
Continuous ATG:	Not reported
Secondary:	Not reported
Vapor:	Not reported
Groundwater:	Not reported
Statistical Inv Reconciled:	Not reported
Annual Test Date:	Not reported
Annual Line Test:	Not reported
Auto Ele Line Leak Detect:	Not reported
Line Tight Test Date:	Not reported
Vapor Monitoring:	Not reported
Sir 15:	Not reported
Interstitial W2 Cont:	Not reported
Line Tight 3 Years Test Date:	Not reported
Check Value:	Not reported
Gravity P:	Not reported
Unique Tank Number:	614
Cannot Locate:	Not reported

JR'S EXXON (Continued) **U004248891**

Year of Last Sir Report:	Not reported
Tank Contains Gasohol (85% Ethanol):	Not reported
Tank Contains Biodiesel:	Not reported
Number Manifolds:	0
Single Walled Tank:	Not reported
Double Walled Tank:	Not reported
Steel Tank Coated W/ Fiberglass:	Not reported
Single Walled Piping:	Not reported
Double Walled Piping:	Not reported
Submersible Pump Sump Inspection Date:	1901-01-01
Tank Number:	6
Current A1:	Not reported
Temporary A2:	Not reported
Retired:	Not reported
Permanent A3:	X
Removal Date 3:	1988-12-01 00:00:00
Inert:	Not reported
Inert Date 3:	Not reported
Closed Without Assessment:	Not reported
Within Distance of Well 1:	Not reported
Other Petro E1L:	OTHER
Cercla Substance Name E2A:	Not reported
Cas Number E2B:	Not reported
Retail Tank F2:	Not reported
Bulk Facility Tank F3:	Not reported
Industrial Tank F4:	Not reported
Farm Residential F7:	Not reported
Other Material G3:	Not reported
Other Extern H6:	Not reported
Three Year CP Review H:	Not reported
Other Pipe I4:	Not reported
Three Year CP Review J:	Not reported
Other External Prot Pipe J3:	Not reported
Test Date K:	1901-01-01 00:00:00
T Test 13 M3:	Not reported
TT Test Reviewed:	Not reported
Tight Test Date 13:	Not reported
Other M11:	Not reported
Other N1D:	Not reported
LF Test Reviewed:	Not reported
Groundwater Monitoring N2D:	Not reported
Other N2H:	Not reported
Line Tightness Testing 3YRS O1:	Not reported
Sir 15 07:	Not reported
Tank Comments:	Not reported

UST:

Account number:	10094
Owner Name:	ALABAMA OIL CO. OF SHEFFIELD, INC.
Owner Address:	P.O. DRAWER E
Owner City:	SHEFFIELD
Owner State:	AL
Owner Zip:	35660
Owner Zip 2:	Not reported
Owner Telephone:	2563831332
Owner Type 2:	P
GSA ID:	Not reported
Owner Contact Name:	JAMES STANPHILL

JR'S EXXON (Continued) **U004248891**

Owner Contact Telephone: 2563831332
Exempt: Not reported

AL Financial Assurance:

Name:	JR'S EXXON
Address:	320 E 2ND ST NEAR ATLANTA AVE
City,State,Zip:	SHEFFIELD, AL 35660
Account Number:	10094
Site ID Number:	6901
Facility Contact:	JEFF WICKS
Facility Contact Phone:	2053816635
Tank Number:	1
Compliance AUST 18 R1:	Not reported
Net Worth 25000 18 R1A:	Not reported
Surety 18 R1B:	Not reported
Private Insurance 18 R2A:	Not reported
Insurer 18 R2A:	Not reported
Policy Number 18 R2A:	Not reported
Guarantee 18 2RB:	Not reported
Self Insured 18 R2C:	Not reported

Name:	JR'S EXXON
Address:	320 E 2ND ST NEAR ATLANTA AVE
City,State,Zip:	SHEFFIELD, AL 35660
Account Number:	10094
Site ID Number:	6901
Facility Contact:	JEFF WICKS
Facility Contact Phone:	2053816635
Tank Number:	2
Compliance AUST 18 R1:	Not reported
Net Worth 25000 18 R1A:	Not reported
Surety 18 R1B:	Not reported
Private Insurance 18 R2A:	Not reported
Insurer 18 R2A:	Not reported
Policy Number 18 R2A:	Not reported
Guarantee 18 2RB:	Not reported
Self Insured 18 R2C:	Not reported

Name:	JR'S EXXON
Address:	320 E 2ND ST NEAR ATLANTA AVE
City,State,Zip:	SHEFFIELD, AL 35660
Account Number:	10094
Site ID Number:	6901
Facility Contact:	JEFF WICKS
Facility Contact Phone:	2053816635
Tank Number:	3
Compliance AUST 18 R1:	Not reported
Net Worth 25000 18 R1A:	Not reported
Surety 18 R1B:	Not reported
Private Insurance 18 R2A:	Not reported
Insurer 18 R2A:	Not reported
Policy Number 18 R2A:	Not reported
Guarantee 18 2RB:	Not reported
Self Insured 18 R2C:	Not reported

JR'S EXXON (Continued) **U004248891**

Name:	JR'S EXXON
Address:	320 E 2ND ST NEAR ATLANTA AVE
City,State,Zip:	SHEFFIELD, AL 35660
Account Number:	10094
Site ID Number:	6901
Facility Contact:	JEFF WICKS
Facility Contact Phone:	2053816635
Tank Number:	5
Compliance AUST 18 R1:	Not reported
Net Worth 25000 18 R1A:	Not reported
Surety 18 R1B:	Not reported
Private Insurance 18 R2A:	Not reported
Insurer 18 R2A:	Not reported
Policy Number 18 R2A:	Not reported
Guarantee 18 2RB:	Not reported
Self Insured 18 R2C:	Not reported

Name:	JR'S EXXON
Address:	320 E 2ND ST NEAR ATLANTA AVE
City,State,Zip:	SHEFFIELD, AL 35660
Account Number:	10094
Site ID Number:	6901
Facility Contact:	JEFF WICKS
Facility Contact Phone:	2053816635
Tank Number:	6
Compliance AUST 18 R1:	Not reported
Net Worth 25000 18 R1A:	Not reported
Surety 18 R1B:	Not reported
Private Insurance 18 R2A:	Not reported
Insurer 18 R2A:	Not reported
Policy Number 18 R2A:	Not reported
Guarantee 18 2RB:	Not reported
Self Insured 18 R2C:	Not reported

Name:	JR'S EXXON
Address:	320 E 2ND ST NEAR ATLANTA AVE
City,State,Zip:	SHEFFIELD, AL 35660
Account Number:	10094
Site ID Number:	6901
Facility Contact:	JEFF WICKS
Facility Contact Phone:	2053816635
Tank Number:	4
Compliance AUST 18 R1:	Not reported
Net Worth 25000 18 R1A:	Not reported
Surety 18 R1B:	Not reported
Private Insurance 18 R2A:	Not reported
Insurer 18 R2A:	Not reported
Policy Number 18 R2A:	Not reported
Guarantee 18 2RB:	Not reported
Self Insured 18 R2C:	Not reported

D15
NNE
1/8-1/4
0.168 mi.
886 ft.

QUIK MART #41 SHELL
532 E 2ND ST & WOODWARD AVE
MUSCLE SHOALS, AL 35661

Site 1 of 2 in cluster D

UST | **U001716550**
Financial Assurance | **N/A**

Relative:
Higher

Actual:
503 ft.

UST:

Name:	QUIK MART #41 SHELL
Address:	532 E 2ND ST & WOODWARD AVE
City,State,Zip:	MUSCLE SHOALS, AL 35661
Facility ID:	11661 33 4338
Account Number:	11661
Site ID Number:	4338
Contact Name:	CARL CANNON
Contact Phone:	9317625531
Exempt:	Not reported
Located Within Indian Lands:	Not reported
GPS Latitude:	34.759306
GPS Longitude:	-87.668179
Located Wellhead Protection:	Not reported
Cannot Locate Site:	Not reported
Abandoned Site:	Not reported
Residence Adjacent:	Not reported
Residence Within 300 ft:	Not reported
Under Dispersion Containment:	Not reported
UDC Insp. Date:	Not reported
UDC Insp. Results:	Not reported
Date Last Inspected:	2018-02-05 00:00:00

UST:

Account number:	11661
Site ID:	4338
Facility ID:	11661 33 4338
Last Usage Date:	Not reported
Install Date:	1983-01-01
Capacity:	10000
Compartments:	1
Unleaded Gas:	Not reported
Midgrade Gas:	Not reported
Premium Gas:	Not reported
Diesel:	X
Kerosene:	Not reported
Aviation Fuel:	Not reported
Used Oil:	Not reported
Virgin Oil:	Not reported
Local Government:	Not reported
State and Federal:	Not reported
Steel:	X
Fiberglass and Plastic:	Not reported
Cathodic Protection:	X
Field Installed Cathodic:	Not reported
Interior Lined:	Not reported
Three Year CP Test Date:	2015-12-18
Bare Steel:	Not reported
Fiberglass/Plastic:	Not reported
Flexible:	X
Three Year CP Test Date:	Not reported
Catchment Basin:	X
Flow Restrictor:	X
Auto Shutoff:	Not reported

QUIK MART #41 SHELL (Continued) **U001716550**

Alarm:	Not reported
ATG:	Not reported
Continuous ATG:	X
Secondary:	Not reported
Vapor:	Not reported
Groundwater:	Not reported
Statistical Inv Reconciled:	Not reported
Annual Test Date:	2018-02-08
Annual Line Test:	Not reported
Auto Ele Line Leak Detect:	Not reported
Line Tight Test Date:	2008-04-18
Vapor Monitoring:	Not reported
Sir 15:	Not reported
Interstitial W2 Cont:	X
Line Tight 3 Years Test Date:	Not reported
Check Value:	Not reported
Gravity P:	Not reported
Unique Tank Number:	11077
Cannot Locate:	Not reported
Year of Last Sir Report:	Not reported
Tank Contains Gasohol (85% Ethanol):	Not reported
Tank Contains Biodiesel:	Not reported
Number Manifolds:	0
Single Walled Tank:	X
Double Walled Tank:	Not reported
Steel Tank Coated W/ Fiberglass:	Not reported
Single Walled Piping:	Not reported
Double Walled Piping:	X
Submersible Pump Sump Inspection Date:	2018-02-08
Tank Number:	1
Current A1:	X
Temporary A2:	Not reported
Retired:	Not reported
Permanent A3:	Not reported
Removal Date 3:	Not reported
Inert:	Not reported
Inert Date 3:	Not reported
Closed Without Assessment:	Not reported
Within Distance of Well 1:	Not reported
Other Petro E1L:	Not reported
Cercla Substance Name E2A:	Not reported
Cas Number E2B:	Not reported
Retail Tank F2:	X
Bulk Facility Tank F3:	Not reported
Industrial Tank F4:	Not reported
Farm Residential F7:	Not reported
Other Material G3:	Not reported
Other Extern H6:	Not reported
Three Year CP Review H:	P
Other Pipe I4:	Not reported
Three Year CP Review J:	Not reported
Other External Prot Pipe J3:	Not reported
Test Date K:	2018-02-08 00:00:00
T Test 13 M3:	Not reported
TT Test Reviewed:	Not reported
Tight Test Date 13:	Not reported
Other M11:	Not reported

QUIK MART #41 SHELL (Continued) **U001716550**

Other N1D:	Not reported
LF Test Reviewed:	Not reported
Groundwater Monitoring N2D:	Not reported
Other N2H:	Not reported
Line Tightness Testing 3YRS O1:	Not reported
Sir 15 07:	Not reported
Tank Comments:	701-G022 DUAL PT, VR 350

UST:

Account number:	11661
Owner Name:	EDWARDS OIL COMPANY
Owner Address:	P.O. BOX 807
Owner City:	LAWRENCEBURG
Owner State:	TN
Owner Zip:	38464
Owner Zip 2:	0807
Owner Telephone:	9314770623
Owner Type 2:	P
GSA ID:	Not reported
Owner Contact Name:	DOUG HOWE
Owner Contact Telephone:	9317625531
Exempt:	Not reported

Account number:	11661
Site ID:	4338
Facility ID:	11661 33 4338
Last Usage Date:	Not reported
Install Date:	1983-01-01
Capacity:	10000
Compartments:	1
Unleaded Gas:	Not reported
Midgrade Gas:	Not reported
Premium Gas:	X
Diesel:	Not reported
Kerosene:	Not reported
Aviation Fuel:	Not reported
Used Oil:	Not reported
Virgin Oil:	Not reported
Local Government:	Not reported
State and Federal:	Not reported
Steel:	X
Fiberglass and Plastic:	Not reported
Cathodic Protection:	X
Field Installed Cathodic:	Not reported
Interior Lined:	Not reported
Three Year CP Test Date:	2015-12-18
Bare Steel:	Not reported
Fiberglass/Plastic:	Not reported
Flexible:	X
Three Year CP Test Date:	Not reported
Catchment Basin:	X
Flow Restrictor:	X
Auto Shutoff:	Not reported
Alarm:	Not reported
ATG:	Not reported
Continuous ATG:	X
Secondary:	Not reported

QUIK MART #41 SHELL (Continued) **U001716550**

Vapor:	Not reported
Groundwater:	Not reported
Statistical Inv Reconciled:	Not reported
Annual Test Date:	2018-02-08
Annual Line Test:	Not reported
Auto Ele Line Leak Detect:	Not reported
Line Tight Test Date:	2008-04-18
Vapor Monitoring:	Not reported
Sir 15:	Not reported
Interstitial W2 Cont:	X
Line Tight 3 Years Test Date:	Not reported
Check Value:	Not reported
Gravity P:	Not reported
Unique Tank Number:	11078
Cannot Locate:	Not reported
Year of Last Sir Report:	Not reported
Tank Contains Gasohol (85% Ethanol):	Not reported
Tank Contains Biodiesel:	Not reported
Number Manifolds:	0
Single Walled Tank:	X
Double Walled Tank:	Not reported
Steel Tank Coated W/ Fiberglass:	Not reported
Single Walled Piping:	Not reported
Double Walled Piping:	X
Submersible Pump Sump Inspection Date:	2018-02-08
Tank Number:	2
Current A1:	X
Temporary A2:	Not reported
Retired:	Not reported
Permanent A3:	Not reported
Removal Date 3:	Not reported
Inert:	Not reported
Inert Date 3:	Not reported
Closed Without Assessment:	Not reported
Within Distance of Well 1:	Not reported
Other Petro E1L:	Not reported
Cercla Substance Name E2A:	Not reported
Cas Number E2B:	Not reported
Retail Tank F2:	X
Bulk Facility Tank F3:	Not reported
Industrial Tank F4:	Not reported
Farm Residential F7:	Not reported
Other Material G3:	Not reported
Other Extern H6:	Not reported
Three Year CP Review H:	P
Other Pipe I4:	Not reported
Three Year CP Review J:	Not reported
Other External Prot Pipe J3:	Not reported
Test Date K:	2018-02-08 00:00:00
T Test 13 M3:	Not reported
TT Test Reviewed:	Not reported
Tight Test Date 13:	Not reported
Other M11:	Not reported
Other N1D:	Not reported
LF Test Reviewed:	Not reported
Groundwater Monitoring N2D:	Not reported
Other N2H:	Not reported

QUIK MART #41 SHELL (Continued) **U001716550**

Line Tightness Testing 3YRS O1: Not reported
Sir 15 07: Not reported
Tank Comments: Not reported

UST:
Account number: 11661
Owner Name: EDWARDS OIL COMPANY
Owner Address: P.O. BOX 807
Owner City: LAWRENCEBURG
Owner State: TN
Owner Zip: 38464
Owner Zip 2: 0807
Owner Telephone: 9314770623
Owner Type 2: P
GSA ID: Not reported
Owner Contact Name: DOUG HOWE
Owner Contact Telephone: 9317625531
Exempt: Not reported

Account number: 11661
Site ID: 4338
Facility ID: 11661 33 4338
Last Usage Date: Not reported
Install Date: 1983-01-01
Capacity: 10000
Compartments: 1
Unleaded Gas: X
Midgrade Gas: Not reported
Premium Gas: Not reported
Diesel: Not reported
Kerosene: Not reported
Aviation Fuel: Not reported
Used Oil: Not reported
Virgin Oil: Not reported
Local Government: Not reported
State and Federal: Not reported
Steel: X
Fiberglass and Plastic: Not reported
Cathodic Protection: X
Field Installed Cathodic: Not reported
Interior Lined: Not reported
Three Year CP Test Date: 2015-12-18
Bare Steel: Not reported
Fiberglass/Plastic: Not reported
Flexible: X
Three Year CP Test Date: Not reported
Catchment Basin: X
Flow Restrictor: X
Auto Shutoff: Not reported
Alarm: Not reported
ATG: Not reported
Continuous ATG: X
Secondary: Not reported
Vapor: Not reported
Groundwater: Not reported
Statistical Inv Reconciled: Not reported
Annual Test Date: 2018-02-08

QUIK MART #41 SHELL (Continued) **U001716550**

Annual Line Test:	Not reported
Auto Ele Line Leak Detect:	Not reported
Line Tight Test Date:	2008-04-18
Vapor Monitoring:	Not reported
Sir 15:	Not reported
Interstitial W2 Cont:	X
Line Tight 3 Years Test Date:	Not reported
Check Value:	Not reported
Gravity P:	Not reported
Unique Tank Number:	11079
Cannot Locate:	Not reported
Year of Last Sir Report:	Not reported
Tank Contains Gasohol (85% Ethanol):	Not reported
Tank Contains Biodiesel:	Not reported
Number Manifolds:	0
Single Walled Tank:	X
Double Walled Tank:	Not reported
Steel Tank Coated W/ Fiberglass:	Not reported
Single Walled Piping:	Not reported
Double Walled Piping:	X
Submersible Pump Sump Inspection Date:	2018-02-08
Tank Number:	3
Current A1:	X
Temporary A2:	Not reported
Retired:	Not reported
Permanent A3:	Not reported
Removal Date 3:	Not reported
Inert:	Not reported
Inert Date 3:	Not reported
Closed Without Assessment:	Not reported
Within Distance of Well 1:	Not reported
Other Petro E1L:	Not reported
Cercla Substance Name E2A:	Not reported
Cas Number E2B:	Not reported
Retail Tank F2:	X
Bulk Facility Tank F3:	Not reported
Industrial Tank F4:	Not reported
Farm Residential F7:	Not reported
Other Material G3:	Not reported
Other Extern H6:	Not reported
Three Year CP Review H:	P
Other Pipe I4:	Not reported
Three Year CP Review J:	Not reported
Other External Prot Pipe J3:	Not reported
Test Date K:	2018-02-08 00:00:00
T Test 13 M3:	Not reported
TT Test Reviewed:	Not reported
Tight Test Date 13:	Not reported
Other M11:	Not reported
Other N1D:	Not reported
LF Test Reviewed:	Not reported
Groundwater Monitoring N2D:	Not reported
Other N2H:	Not reported
Line Tightness Testing 3YRS O1:	Not reported
Sir 15 07:	Not reported
Tank Comments:	Not reported

QUIK MART #41 SHELL (Continued) **U001716550**

UST:

Account number:	11661
Owner Name:	EDWARDS OIL COMPANY
Owner Address:	P.O. BOX 807
Owner City:	LAWRENCEBURG
Owner State:	TN
Owner Zip:	38464
Owner Zip 2:	0807
Owner Telephone:	9314770623
Owner Type 2:	P
GSA ID:	Not reported
Owner Contact Name:	DOUG HOWE
Owner Contact Telephone:	9317625531
Exempt:	Not reported

Account number:	11661
Site ID:	4338
Facility ID:	11661 33 4338
Last Usage Date:	2009-09-30
Install Date:	1981-01-01
Capacity:	3000
Compartments:	1
Unleaded Gas:	Not reported
Midgrade Gas:	Not reported
Premium Gas:	Not reported
Diesel:	X
Kerosene:	Not reported
Aviation Fuel:	Not reported
Used Oil:	Not reported
Virgin Oil:	Not reported
Local Government:	Not reported
State and Federal:	Not reported
Steel:	X
Fiberglass and Plastic:	Not reported
Cathodic Protection:	Not reported
Field Installed Cathodic:	X
Interior Lined:	Not reported
Three Year CP Test Date:	Not reported
Bare Steel:	X
Fiberglass/Plastic:	Not reported
Flexible:	Not reported
Three Year CP Test Date:	Not reported
Catchment Basin:	X
Flow Restrictor:	X
Auto Shutoff:	Not reported
Alarm:	Not reported
ATG:	Not reported
Continuous ATG:	X
Secondary:	Not reported
Vapor:	Not reported
Groundwater:	Not reported
Statistical Inv Reconciled:	Not reported
Annual Test Date:	2008-04-18
Annual Line Test:	X
Auto Ele Line Leak Detect:	Not reported
Line Tight Test Date:	2008-04-18

QUIK MART #41 SHELL (Continued) **U001716550**

Vapor Monitoring:	Not reported
Sir 15:	Not reported
Interstitial W2 Cont:	Not reported
Line Tight 3 Years Test Date:	Not reported
Check Value:	Not reported
Gravity P:	Not reported
Unique Tank Number:	11080
Cannot Locate:	Not reported
Year of Last Sir Report:	Not reported
Tank Contains Gasohol (85% Ethanol):	Not reported
Tank Contains Biodiesel:	Not reported
Number Manifolds:	0
Single Walled Tank:	X
Double Walled Tank:	Not reported
Steel Tank Coated W/ Fiberglass:	Not reported
Single Walled Piping:	Not reported
Double Walled Piping:	Not reported
Submersible Pump Sump Inspection Date:	1901-01-01
Tank Number:	4
Current A1:	Not reported
Temporary A2:	Not reported
Retired:	Not reported
Permanent A3:	X
Removal Date 3:	2009-10-23 00:00:00
Inert:	Not reported
Inert Date 3:	Not reported
Closed Without Assessment:	Not reported
Within Distance of Well 1:	Not reported
Other Petro E1L:	Not reported
Cercla Substance Name E2A:	Not reported
Cas Number E2B:	Not reported
Retail Tank F2:	X
Bulk Facility Tank F3:	Not reported
Industrial Tank F4:	Not reported
Farm Residential F7:	Not reported
Other Material G3:	Not reported
Other Extern H6:	Not reported
Three Year CP Review H:	Not reported
Other Pipe I4:	Not reported
Three Year CP Review J:	Not reported
Other External Prot Pipe J3:	Not reported
Test Date K:	2008-04-18 00:00:00
T Test 13 M3:	Not reported
TT Test Reviewed:	Not reported
Tight Test Date 13:	Not reported
Other M11:	Not reported
Other N1D:	Not reported
LF Test Reviewed:	Not reported
Groundwater Monitoring N2D:	Not reported
Other N2H:	Not reported
Line Tightness Testing 3YRS O1:	Not reported
Sir 15 07:	Not reported
Tank Comments:	Not reported

UST:

Account number:	11661
Owner Name:	EDWARDS OIL COMPANY
Owner Address:	P.O. BOX 807

QUIK MART #41 SHELL (Continued) **U001716550**

Owner City:	LAWRENCEBURG
Owner State:	TN
Owner Zip:	38464
Owner Zip 2:	0807
Owner Telephone:	9314770623
Owner Type 2:	P
GSA ID:	Not reported
Owner Contact Name:	DOUG HOWE
Owner Contact Telephone:	9317625531
Exempt:	Not reported

Account number:	11661
Site ID:	4338
Facility ID:	11661 33 4338
Last Usage Date:	Not reported
Install Date:	2009-10-24
Capacity:	10000
Compartments:	1
Unleaded Gas:	Not reported
Midgrade Gas:	Not reported
Premium Gas:	Not reported
Diesel:	Not reported
Kerosene:	Not reported
Aviation Fuel:	Not reported
Used Oil:	Not reported
Virgin Oil:	Not reported
Local Government:	Not reported
State and Federal:	Not reported
Steel:	Not reported
Fiberglass and Plastic:	Not reported
Cathodic Protection:	Not reported
Field Installed Cathodic:	Not reported
Interior Lined:	Not reported
Three Year CP Test Date:	Not reported
Bare Steel:	Not reported
Fiberglass/Plastic:	Not reported
Flexible:	X
Three Year CP Test Date:	Not reported
Catchment Basin:	X
Flow Restrictor:	X
Auto Shutoff:	Not reported
Alarm:	Not reported
ATG:	Not reported
Continuous ATG:	Not reported
Secondary:	X
Vapor:	Not reported
Groundwater:	Not reported
Statistical Inv Reconciled:	Not reported
Annual Test Date:	2018-02-08
Annual Line Test:	Not reported
Auto Ele Line Leak Detect:	Not reported
Line Tight Test Date:	Not reported
Vapor Monitoring:	Not reported
Sir 15:	Not reported
Interstitial W2 Cont:	X
Line Tight 3 Years Test Date:	Not reported

QUIK MART #41 SHELL (Continued) **U001716550**

Check Value:	Not reported
Gravity P:	Not reported
Unique Tank Number:	51607
Cannot Locate:	Not reported
Year of Last Sir Report:	Not reported
Tank Contains Gasohol (85% Ethanol):	X
Tank Contains Biodiesel:	Not reported
Number Manifolds:	0
Single Walled Tank:	Not reported
Double Walled Tank:	X
Steel Tank Coated W/ Fiberglass:	X
Single Walled Piping:	Not reported
Double Walled Piping:	X
Submersible Pump Sump Inspection Date:	2018-02-08
Tank Number:	5
Current A1:	X
Temporary A2:	Not reported
Retired:	Not reported
Permanent A3:	Not reported
Removal Date 3:	Not reported
Inert:	Not reported
Inert Date 3:	Not reported
Closed Without Assessment:	Not reported
Within Distance of Well 1:	Not reported
Other Petro E1L:	Not reported
Cercla Substance Name E2A:	Not reported
Cas Number E2B:	Not reported
Retail Tank F2:	X
Bulk Facility Tank F3:	Not reported
Industrial Tank F4:	Not reported
Farm Residential F7:	Not reported
Other Material G3:	Not reported
Other Extern H6:	Not reported
Three Year CP Review H:	Not reported
Other Pipe I4:	Not reported
Three Year CP Review J:	Not reported
Other External Prot Pipe J3:	Not reported
Test Date K:	2018-02-08 00:00:00
T Test 13 M3:	Not reported
TT Test Reviewed:	Not reported
Tight Test Date 13:	Not reported
Other M11:	INTMON REQ
Other N1D:	Not reported
LF Test Reviewed:	Not reported
Groundwater Monitoring N2D:	Not reported
Other N2H:	INTMON REQ
Line Tightness Testing 3YRS O1:	Not reported
Sir 15 07:	Not reported
Tank Comments:	INTERSTICE MONT. REQUIRED 2009

UST:

Account number:	11661
Owner Name:	EDWARDS OIL COMPANY
Owner Address:	P.O. BOX 807
Owner City:	LAWRENCEBURG
Owner State:	TN
Owner Zip:	38464
Owner Zip 2:	0807

QUIK MART #41 SHELL (Continued) **U001716550**

Owner Telephone:	9314770623
Owner Type 2:	P
GSA ID:	Not reported
Owner Contact Name:	DOUG HOWE
Owner Contact Telephone:	9317625531
Exempt:	Not reported

AL Financial Assurance:

Name:	QUIK MART #41 SHELL
Address:	532 E 2ND ST & WOODWARD AVE
City,State,Zip:	MUSCLE SHOALS, AL 35661
Account Number:	11661
Site ID Number:	4338
Facility Contact:	CARL CANNON
Facility Contact Phone:	9317625531
Tank Number:	2
Compliance AUST 18 R1:	Not reported
Net Worth 25000 18 R1A:	Not reported
Surety 18 R1B:	Not reported
Private Insurance 18 R2A:	Not reported
Insurer 18 R2A:	Not reported
Policy Number 18 R2A:	Not reported
Guarantee 18 2RB:	Not reported
Self Insured 18 R2C:	Not reported

Name:	QUIK MART #41 SHELL
Address:	532 E 2ND ST & WOODWARD AVE
City,State,Zip:	MUSCLE SHOALS, AL 35661
Account Number:	11661
Site ID Number:	4338
Facility Contact:	CARL CANNON
Facility Contact Phone:	9317625531
Tank Number:	3
Compliance AUST 18 R1:	Not reported
Net Worth 25000 18 R1A:	Not reported
Surety 18 R1B:	Not reported
Private Insurance 18 R2A:	Not reported
Insurer 18 R2A:	Not reported
Policy Number 18 R2A:	Not reported
Guarantee 18 2RB:	Not reported
Self Insured 18 R2C:	Not reported

Name:	QUIK MART #41 SHELL
Address:	532 E 2ND ST & WOODWARD AVE
City,State,Zip:	MUSCLE SHOALS, AL 35661
Account Number:	11661
Site ID Number:	4338
Facility Contact:	CARL CANNON
Facility Contact Phone:	9317625531
Tank Number:	5
Compliance AUST 18 R1:	Not reported
Net Worth 25000 18 R1A:	Not reported
Surety 18 R1B:	Not reported
Private Insurance 18 R2A:	Not reported
Insurer 18 R2A:	Not reported

QUIK MART #41 SHELL (Continued) **U001716550**

Policy Number 18 R2A: Not reported
Guarantee 18 2RB: Not reported
Self Insured 18 R2C: Not reported

Name: QUIK MART #41 SHELL
Address: 532 E 2ND ST & WOODWARD AVE
City,State,Zip: MUSCLE SHOALS, AL 35661
Account Number: 11661
Site ID Number: 4338
Facility Contact: CARL CANNON
Facility Contact Phone: 9317625531
Tank Number: 1
Compliance AUST 18 R1: Not reported
Net Worth 25000 18 R1A: Not reported
Surety 18 R1B: Not reported
Private Insurance 18 R2A: Not reported
Insurer 18 R2A: Not reported
Policy Number 18 R2A: Not reported
Guarantee 18 2RB: Not reported
Self Insured 18 R2C: Not reported

Name: QUIK MART #41 SHELL
Address: 532 E 2ND ST & WOODWARD AVE
City,State,Zip: MUSCLE SHOALS, AL 35661
Account Number: 11661
Site ID Number: 4338
Facility Contact: CARL CANNON
Facility Contact Phone: 9317625531
Tank Number: 4
Compliance AUST 18 R1: Not reported
Net Worth 25000 18 R1A: Not reported
Surety 18 R1B: Not reported
Private Insurance 18 R2A: Not reported
Insurer 18 R2A: Not reported
Policy Number 18 R2A: Not reported
Guarantee 18 2RB: Not reported
Self Insured 18 R2C: Not reported

D16 **JOHN HOLT SERVICE STATION** **UST** **U004233279**
NNE **515 E 2ND ST & DOVER AVE** **Financial Assurance** **N/A**
1/8-1/4 **SHEFFIELD, AL 35630**
0.176 mi.
930 ft. **Site 2 of 2 in cluster D**

Relative: UST:
Higher
Actual: Name: JOHN HOLT SERVICE STATION
505 ft. Address: 515 E 2ND ST & DOVER AVE
City,State,Zip: SHEFFIELD, AL 35630
Facility ID: 12857 33 10038
Account Number: 12857
Site ID Number: 10038
Contact Name: JOHN HOLT & JOANN HOLT
Contact Phone: 2057666143
Exempt: Not reported
Located Within Indian Lands: Not reported
GPS Latitude: 0
GPS Longitude: 0
Located Wellhead Protection: Not reported

JOHN HOLT SERVICE STATION (Continued) **U004233279**

Cannot Locate Site:	Not reported
Abandoned Site:	Not reported
Residence Adjacent:	Not reported
Residence Within 300 ft:	Not reported
Under Dispersion Containment:	Not reported
UDC Insp. Date:	Not reported
UDC Insp. Results:	Not reported
Date Last Inspected:	Not reported

UST:

Account number:	12857
Site ID:	10038
Facility ID:	12857 33 10038
Last Usage Date:	1984-10-01
Install Date:	1973-01-01
Capacity:	1250
Compartments:	1
Unleaded Gas:	X
Midgrade Gas:	Not reported
Premium Gas:	Not reported
Diesel:	Not reported
Kerosene:	Not reported
Aviation Fuel:	Not reported
Used Oil:	Not reported
Virgin Oil:	Not reported
Local Government:	Not reported
State and Federal:	Not reported
Steel:	X
Fiberglass and Plastic:	Not reported
Cathodic Protection:	Not reported
Field Installed Cathodic:	Not reported
Interior Lined:	Not reported
Three Year CP Test Date:	Not reported
Bare Steel:	X
Fiberglass/Plastic:	Not reported
Flexible:	Not reported
Three Year CP Test Date:	Not reported
Catchment Basin:	Not reported
Flow Restrictor:	Not reported
Auto Shutoff:	Not reported
Alarm:	Not reported
ATG:	Not reported
Continuous ATG:	Not reported
Secondary:	Not reported
Vapor:	Not reported
Groundwater:	Not reported
Statistical Inv Reconciled:	Not reported
Annual Test Date:	Not reported
Annual Line Test:	Not reported
Auto Ele Line Leak Detect:	Not reported
Line Tight Test Date:	Not reported
Vapor Monitoring:	Not reported
Sir 15:	Not reported
Interstitial W2 Cont:	Not reported
Line Tight 3 Years Test Date:	Not reported
Check Value:	Not reported
Gravity P:	Not reported
Unique Tank Number:	18323

JOHN HOLT SERVICE STATION (Continued) **U004233279**

Cannot Locate:	Not reported
Year of Last Sir Report:	Not reported
Tank Contains Gasohol (85% Ethanol):	Not reported
Tank Contains Biodiesel:	Not reported
Number Manifolds:	0
Single Walled Tank:	Not reported
Double Walled Tank:	Not reported
Steel Tank Coated W/ Fiberglass:	Not reported
Single Walled Piping:	Not reported
Double Walled Piping:	Not reported
Submersible Pump Sump Inspection Date:	1901-01-01
Tank Number:	1
Current A1:	Not reported
Temporary A2:	Not reported
Retired:	Not reported
Permanent A3:	X
Removal Date 3:	1988-11-10 00:00:00
Inert:	Not reported
Inert Date 3:	Not reported
Closed Without Assessment:	Not reported
Within Distance of Well 1:	Not reported
Other Petro E1L:	Not reported
Cercla Substance Name E2A:	Not reported
Cas Number E2B:	Not reported
Retail Tank F2:	Not reported
Bulk Facility Tank F3:	Not reported
Industrial Tank F4:	Not reported
Farm Residential F7:	Not reported
Other Material G3:	Not reported
Other Extern H6:	Not reported
Three Year CP Review H:	Not reported
Other Pipe I4:	Not reported
Three Year CP Review J:	Not reported
Other External Prot Pipe J3:	Not reported
Test Date K:	1901-01-01 00:00:00
T Test 13 M3:	Not reported
TT Test Reviewed:	Not reported
Tight Test Date 13:	Not reported
Other M11:	Not reported
Other N1D:	Not reported
LF Test Reviewed:	Not reported
Groundwater Monitoring N2D:	Not reported
Other N2H:	Not reported
Line Tightness Testing 3YRS O1:	Not reported
Sir 15 07:	Not reported
Tank Comments:	Not reported

UST:

Account number:	12857
Owner Name:	JOHN HOLT & JOANN HOLT
Owner Address:	RT 15 BOX 452
Owner City:	FLORENCE
Owner State:	AL
Owner Zip:	35630
Owner Zip 2:	Not reported
Owner Telephone:	2057666143
Owner Type 2:	P
GSA ID:	Not reported

JOHN HOLT SERVICE STATION (Continued) **U004233279**

Owner Contact Name:	JOHN HOLT & JOANN HOLT
Owner Contact Telephone:	2057666143
Exempt:	Not reported
Account number:	12857
Site ID:	10038
Facility ID:	12857 33 10038
Last Usage Date:	1984-10-01
Install Date:	1973-01-01
Capacity:	1250
Compartments:	1
Unleaded Gas:	X
Midgrade Gas:	Not reported
Premium Gas:	Not reported
Diesel:	Not reported
Kerosene:	Not reported
Aviation Fuel:	Not reported
Used Oil:	Not reported
Virgin Oil:	Not reported
Local Government:	Not reported
State and Federal:	Not reported
Steel:	X
Fiberglass and Plastic:	Not reported
Cathodic Protection:	Not reported
Field Installed Cathodic:	Not reported
Interior Lined:	Not reported
Three Year CP Test Date:	Not reported
Bare Steel:	X
Fiberglass/Plastic:	Not reported
Flexible:	Not reported
Three Year CP Test Date:	Not reported
Catchment Basin:	Not reported
Flow Restrictor:	Not reported
Auto Shutoff:	Not reported
Alarm:	Not reported
ATG:	Not reported
Continuous ATG:	Not reported
Secondary:	Not reported
Vapor:	Not reported
Groundwater:	Not reported
Statistical Inv Reconciled:	Not reported
Annual Test Date:	Not reported
Annual Line Test:	Not reported
Auto Ele Line Leak Detect:	Not reported
Line Tight Test Date:	Not reported
Vapor Monitoring:	Not reported
Sir 15:	Not reported
Interstitial W2 Cont:	Not reported
Line Tight 3 Years Test Date:	Not reported
Check Value:	Not reported
Gravity P:	Not reported
Unique Tank Number:	18324
Cannot Locate:	Not reported
Year of Last Sir Report:	Not reported
Tank Contains Gasohol (85% Ethanol):	Not reported
Tank Contains Biodiesel:	Not reported

JOHN HOLT SERVICE STATION (Continued) **U004233279**

Number Manifolds:	0
Single Walled Tank:	Not reported
Double Walled Tank:	Not reported
Steel Tank Coated W/ Fiberglass:	Not reported
Single Walled Piping:	Not reported
Double Walled Piping:	Not reported
Submersible Pump Sump Inspection Date:	1901-01-01
Tank Number:	2
Current A1:	Not reported
Temporary A2:	Not reported
Retired:	Not reported
Permanent A3:	X
Removal Date 3:	1988-11-10 00:00:00
Inert:	Not reported
Inert Date 3:	Not reported
Closed Without Assessment:	Not reported
Within Distance of Well 1:	Not reported
Other Petro E1L:	Not reported
Cercla Substance Name E2A:	Not reported
Cas Number E2B:	Not reported
Retail Tank F2:	Not reported
Bulk Facility Tank F3:	Not reported
Industrial Tank F4:	Not reported
Farm Residential F7:	Not reported
Other Material G3:	Not reported
Other Extern H6:	Not reported
Three Year CP Review H:	Not reported
Other Pipe I4:	Not reported
Three Year CP Review J:	Not reported
Other External Prot Pipe J3:	Not reported
Test Date K:	1901-01-01 00:00:00
T Test 13 M3:	Not reported
TT Test Reviewed:	Not reported
Tight Test Date 13:	Not reported
Other M11:	Not reported
Other N1D:	Not reported
LF Test Reviewed:	Not reported
Groundwater Monitoring N2D:	Not reported
Other N2H:	Not reported
Line Tightness Testing 3YRS O1:	Not reported
Sir 15 07:	Not reported
Tank Comments:	Not reported

UST:

Account number:	12857
Owner Name:	JOHN HOLT & JOANN HOLT
Owner Address:	RT 15 BOX 452
Owner City:	FLORENCE
Owner State:	AL
Owner Zip:	35630
Owner Zip 2:	Not reported
Owner Telephone:	2057666143
Owner Type 2:	P
GSA ID:	Not reported
Owner Contact Name:	JOHN HOLT & JOANN HOLT
Owner Contact Telephone:	2057666143
Exempt:	Not reported

JOHN HOLT SERVICE STATION (Continued) **U004233279**

Account number:	12857
Site ID:	10038
Facility ID:	12857 33 10038
Last Usage Date:	1984-10-01
Install Date:	1973-01-01
Capacity:	1250
Compartments:	1
Unleaded Gas:	X
Midgrade Gas:	Not reported
Premium Gas:	Not reported
Diesel:	Not reported
Kerosene:	Not reported
Aviation Fuel:	Not reported
Used Oil:	Not reported
Virgin Oil:	Not reported
Local Government:	Not reported
State and Federal:	Not reported
Steel:	X
Fiberglass and Plastic:	Not reported
Cathodic Protection:	Not reported
Field Installed Cathodic:	Not reported
Interior Lined:	Not reported
Three Year CP Test Date:	Not reported
Bare Steel:	X
Fiberglass/Plastic:	Not reported
Flexible:	Not reported
Three Year CP Test Date:	Not reported
Catchment Basin:	Not reported
Flow Restrictor:	Not reported
Auto Shutoff:	Not reported
Alarm:	Not reported
ATG:	Not reported
Continuous ATG:	Not reported
Secondary:	Not reported
Vapor:	Not reported
Groundwater:	Not reported
Statistical Inv Reconciled:	Not reported
Annual Test Date:	Not reported
Annual Line Test:	Not reported
Auto Ele Line Leak Detect:	Not reported
Line Tight Test Date:	Not reported
Vapor Monitoring:	Not reported
Sir 15:	Not reported
Interstitial W2 Cont:	Not reported
Line Tight 3 Years Test Date:	Not reported
Check Value:	Not reported
Gravity P:	Not reported
Unique Tank Number:	18325
Cannot Locate:	Not reported
Year of Last Sir Report:	Not reported
Tank Contains Gasohol (85% Ethanol):	Not reported
Tank Contains Biodiesel:	Not reported
Number Manifolds:	0
Single Walled Tank:	Not reported
Double Walled Tank:	Not reported
Steel Tank Coated W/ Fiberglass:	Not reported
Single Walled Piping:	Not reported

JOHN HOLT SERVICE STATION (Continued) **U004233279**

Double Walled Piping:	Not reported
Submersible Pump Sump Inspection Date:	1901-01-01
Tank Number:	3
Current A1:	Not reported
Temporary A2:	Not reported
Retired:	Not reported
Permanent A3:	X
Removal Date 3:	1988-11-10 00:00:00
Inert:	Not reported
Inert Date 3:	Not reported
Closed Without Assessment:	Not reported
Within Distance of Well 1:	Not reported
Other Petro E1L:	Not reported
Cercla Substance Name E2A:	Not reported
Cas Number E2B:	Not reported
Retail Tank F2:	Not reported
Bulk Facility Tank F3:	Not reported
Industrial Tank F4:	Not reported
Farm Residential F7:	Not reported
Other Material G3:	Not reported
Other Extern H6:	Not reported
Three Year CP Review H:	Not reported
Other Pipe I4:	Not reported
Three Year CP Review J:	Not reported
Other External Prot Pipe J3:	Not reported
Test Date K:	1901-01-01 00:00:00
T Test 13 M3:	Not reported
TT Test Reviewed:	Not reported
Tight Test Date 13:	Not reported
Other M11:	Not reported
Other N1D:	Not reported
LF Test Reviewed:	Not reported
Groundwater Monitoring N2D:	Not reported
Other N2H:	Not reported
Line Tightness Testing 3YRS O1:	Not reported
Sir 15 07:	Not reported
Tank Comments:	Not reported

UST:

Account number:	12857
Owner Name:	JOHN HOLT & JOANN HOLT
Owner Address:	RT 15 BOX 452
Owner City:	FLORENCE
Owner State:	AL
Owner Zip:	35630
Owner Zip 2:	Not reported
Owner Telephone:	2057666143
Owner Type 2:	P
GSA ID:	Not reported
Owner Contact Name:	JOHN HOLT & JOANN HOLT
Owner Contact Telephone:	2057666143
Exempt:	Not reported

AL Financial Assurance:

Name:	JOHN HOLT SERVICE STATION

JOHN HOLT SERVICE STATION (Continued) **U004233279**

Address:	515 E 2ND ST & DOVER AVE
City,State,Zip:	SHEFFIELD, AL 35630
Account Number:	12857
Site ID Number:	10038
Facility Contact:	JOHN HOLT & JOANN HOLT
Facility Contact Phone:	2057666143
Tank Number:	1
Compliance AUST 18 R1:	Not reported
Net Worth 25000 18 R1A:	Not reported
Surety 18 R1B:	Not reported
Private Insurance 18 R2A:	Not reported
Insurer 18 R2A:	Not reported
Policy Number 18 R2A:	Not reported
Guarantee 18 2RB:	Not reported
Self Insured 18 R2C:	Not reported

Name:	JOHN HOLT SERVICE STATION
Address:	515 E 2ND ST & DOVER AVE
City,State,Zip:	SHEFFIELD, AL 35630
Account Number:	12857
Site ID Number:	10038
Facility Contact:	JOHN HOLT & JOANN HOLT
Facility Contact Phone:	2057666143
Tank Number:	2
Compliance AUST 18 R1:	Not reported
Net Worth 25000 18 R1A:	Not reported
Surety 18 R1B:	Not reported
Private Insurance 18 R2A:	Not reported
Insurer 18 R2A:	Not reported
Policy Number 18 R2A:	Not reported
Guarantee 18 2RB:	Not reported
Self Insured 18 R2C:	Not reported

Name:	JOHN HOLT SERVICE STATION
Address:	515 E 2ND ST & DOVER AVE
City,State,Zip:	SHEFFIELD, AL 35630
Account Number:	12857
Site ID Number:	10038
Facility Contact:	JOHN HOLT & JOANN HOLT
Facility Contact Phone:	2057666143
Tank Number:	3
Compliance AUST 18 R1:	Not reported
Net Worth 25000 18 R1A:	Not reported
Surety 18 R1B:	Not reported
Private Insurance 18 R2A:	Not reported
Insurer 18 R2A:	Not reported
Policy Number 18 R2A:	Not reported
Guarantee 18 2RB:	Not reported
Self Insured 18 R2C:	Not reported

17
NNW
1/8-1/4
0.199 mi.
1049 ft.

221 NORTH COLUMBIA AVE
221 NORTH COLUMBIA AVE
SHEFFIELD, AL 35660

US BROWNFIELDS FINDS

1023618683
N/A

Relative:
Higher

Actual:
500 ft.

US BROWNFIELDS:

Name:	221 NORTH COLUMBIA AVE
Address:	221 NORTH COLUMBIA AVE
City,State,Zip:	SHEFFIELD, AL 35660
Recipient Name:	City of Sheffield
Grant Type:	Assessment
Property Number:	Not reported
Parcel size:	10
Latitude:	34.7599685
Longitude:	-87.696511
HCM Label:	Address Matching-House Number
Map Scale:	Not reported
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	Not reported
Datum:	North American Datum of 1983
Acres Property ID:	205144
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	3000
Assessment Funding Source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	EPA
Cleanup Funding Entity:	Not reported
Grant Type:	Hazardous
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	1
Cooperative Agreement Number:	00D10713
Start Date:	11/16/2015 00:00:00
Ownership Entity:	Government
Completion Date:	12/18/2015 00:00:00
Current Owner:	City of Sheffield
Did Owner Change:	Not reported
Cleanup Required:	N
Video Available:	Not reported
Photo Available:	Y
Institutional Controls Required:	N
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported

221 NORTH COLUMBIA AVE (Continued) **1023618683**

Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported

221 NORTH COLUMBIA AVE (Continued) **1023618683**

Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Approximately 0.27 acres of a larger parcel containing approximately 10 acres, one wooden stage structure. No buildings onsite, vacant land and park recreation. Reasonably ascertainable records reviewed as part of this Phase I ESA documented the use of the property back to 1953. Data failure occurred prior to that date, between 1962 and 1971, and between 1971 and 1988. This data failure does not represent a significant data gap. Standard and other historical records were able to document that the first developed use of the subject property occurred between 1962 and 1970 when the property was utilized as sand and gravel storage for barge freight associated with the north adjoining property. The property was utilized as a storage yard of sand and gravel until the early 1980s. By 1988, the property was vacant land with light vegetation on the eastern and southern portions. Between 2009 and 2011, a wooden performance stage was constructed on the central portion of the property for park recreational activities. The property has been utilized for various park functions since the 1980s.
Below Poverty Number:	509
Below Poverty Percent:	32.9%
Meidan Income:	5076
Meidan Income Number:	831
Meidan Income Percent:	53.7%
Vacant Housing Number:	215
Vacant Housing Percent:	24.9%
Unemployed Number:	94
Unemployed Percent:	6.1%

FINDS:

Registry ID: 110070034226

Environmental Interest/Information System

US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

221 NORTH COLUMBIA AVE (Continued) **1023618683**

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

18
NW
1/8-1/4
0.216 mi.
1142 ft.

YELLOW CAB CO
213 N NASHVILLE
SHEFFIELD, AL 35660

UST **U004234896**
Financial Assurance **N/A**

Relative:
Higher

Actual:
497 ft.

UST:

Name:	YELLOW CAB CO
Address:	213 N NASHVILLE
City,State,Zip:	SHEFFIELD, AL 35660
Facility ID:	13945 33 13756
Account Number:	13945
Site ID Number:	13756
Contact Name:	QUAD CITIES OIL CO INC
Contact Phone:	2563814863
Exempt:	Not reported
Located Within Indian Lands:	Not reported
GPS Latitude:	34.76029
GPS Longitude:	-87.697869
Located Wellhead Protection:	Not reported
Cannot Locate Site:	Not reported
Abandoned Site:	Not reported
Residence Adjacent:	Not reported
Residence Within 300 ft:	Not reported
Under Dispersion Containment:	Not reported
UDC Insp. Date:	Not reported
UDC Insp. Results:	Not reported
Date Last Inspected:	1998-04-10 00:00:00

UST:

Account number:	13945
Site ID:	13756
Facility ID:	13945 33 13756
Last Usage Date:	1989-01-01
Install Date:	1976-01-01
Capacity:	9999999
Compartments:	1
Unleaded Gas:	X
Midgrade Gas:	Not reported
Premium Gas:	Not reported
Diesel:	Not reported
Kerosene:	Not reported
Aviation Fuel:	Not reported
Used Oil:	Not reported
Virgin Oil:	Not reported
Local Government:	Not reported
State and Federal:	Not reported
Steel:	X
Fiberglass and Plastic:	Not reported
Cathodic Protection:	Not reported
Field Installed Cathodic:	Not reported
Interior Lined:	Not reported
Three Year CP Test Date:	Not reported
Bare Steel:	X

YELLOW CAB CO (Continued) **U004234896**

Fiberglass/Plastic:	Not reported
Flexible:	Not reported
Three Year CP Test Date:	Not reported
Catchment Basin:	Not reported
Flow Restrictor:	Not reported
Auto Shutoff:	Not reported
Alarm:	Not reported
ATG:	Not reported
Continuous ATG:	Not reported
Secondary:	Not reported
Vapor:	Not reported
Groundwater:	Not reported
Statistical Inv Reconciled:	Not reported
Annual Test Date:	Not reported
Annual Line Test:	Not reported
Auto Ele Line Leak Detect:	Not reported
Line Tight Test Date:	Not reported
Vapor Monitoring:	Not reported
Sir 15:	Not reported
Interstitial W2 Cont:	Not reported
Line Tight 3 Years Test Date:	Not reported
Check Value:	Not reported
Gravity P:	Not reported
Unique Tank Number:	25317
Cannot Locate:	Not reported
Year of Last Sir Report:	Not reported
Tank Contains Gasohol (85% Ethanol):	Not reported
Tank Contains Biodiesel:	Not reported
Number Manifolds:	0
Single Walled Tank:	Not reported
Double Walled Tank:	Not reported
Steel Tank Coated W/ Fiberglass:	Not reported
Single Walled Piping:	Not reported
Double Walled Piping:	Not reported
Submersible Pump Sump Inspection Date:	1901-01-01
Tank Number:	1
Current A1:	Not reported
Temporary A2:	Not reported
Retired:	Not reported
Permanent A3:	X
Removal Date 3:	1998-07-29 00:00:00
Inert:	Not reported
Inert Date 3:	Not reported
Closed Without Assessment:	Not reported
Within Distance of Well 1:	Not reported
Other Petro E1L:	Not reported
Cercla Substance Name E2A:	Not reported
Cas Number E2B:	Not reported
Retail Tank F2:	Not reported
Bulk Facility Tank F3:	Not reported
Industrial Tank F4:	Not reported
Farm Residential F7:	Not reported
Other Material G3:	Not reported
Other Extern H6:	Not reported
Three Year CP Review H:	Not reported
Other Pipe I4:	Not reported
Three Year CP Review J:	Not reported

YELLOW CAB CO (Continued) **U004234896**

Other External Prot Pipe J3:	Not reported
Test Date K:	1901-01-01 00:00:00
T Test 13 M3:	Not reported
TT Test Reviewed:	Not reported
Tight Test Date 13:	Not reported
Other M11:	Not reported
Other N1D:	Not reported
LF Test Reviewed:	Not reported
Groundwater Monitoring N2D:	Not reported
Other N2H:	Not reported
Line Tightness Testing 3YRS O1:	Not reported
Sir 15 07:	Not reported
Tank Comments:	Not reported

UST:

Account number:	13945
Owner Name:	QUAD CITIES OIL CO
Owner Address:	P O BOX 248
Owner City:	SHEFFIELD
Owner State:	AL
Owner Zip:	35660
Owner Zip 2:	Not reported
Owner Telephone:	2053814863
Owner Type 2:	P
GSA ID:	Not reported
Owner Contact Name:	GLENN TATUM
Owner Contact Telephone:	2053594959
Exempt:	Not reported

AL Financial Assurance:

Name:	YELLOW CAB CO
Address:	213 N NASHVILLE
City,State,Zip:	SHEFFIELD, AL 35660
Account Number:	13945
Site ID Number:	13756
Facility Contact:	QUAD CITIES OIL CO INC
Facility Contact Phone:	2563814863
Tank Number:	1
Compliance AUST 18 R1:	Not reported
Net Worth 25000 18 R1A:	Not reported
Surety 18 R1B:	Not reported
Private Insurance 18 R2A:	Not reported
Insurer 18 R2A:	Not reported
Policy Number 18 R2A:	Not reported
Guarantee 18 2RB:	Not reported
Self Insured 18 R2C:	Not reported

E19
West
1/8-1/4
0.223 mi.
1177 ft.

RACEWAY SERVICE STATION #886
100 S MONTGOMERY
SHEFFIELD, AL 35660

Site 1 of 2 in cluster E

UST | **U004235016**
Financial Assurance | **N/A**

Relative:
Lower

Actual:
488 ft.

UST:

Name:	RACEWAY SERVICE STATION #886
Address:	100 S MONTGOMERY
City,State,Zip:	SHEFFIELD, AL 35660
Facility ID:	14001 33 7778
Account Number:	14001
Site ID Number:	7778
Contact Name:	JAMES RAY JOHNSON
Contact Phone:	2569916199
Exempt:	Not reported
Located Within Indian Lands:	Not reported
GPS Latitude:	34.757616
GPS Longitude:	-87.699234
Located Wellhead Protection:	Not reported
Cannot Locate Site:	Not reported
Abandoned Site:	Not reported
Residence Adjacent:	Not reported
Residence Within 300 ft:	Not reported
Under Dispersion Containment:	Not reported
UDC Insp. Date:	Not reported
UDC Insp. Results:	Not reported
Date Last Inspected:	2002-09-05 00:00:00

UST:

Account number:	14001
Site ID:	7778
Facility ID:	14001 33 7778
Last Usage Date:	2003-01-14
Install Date:	1987-01-01
Capacity:	7896
Compartments:	1
Unleaded Gas:	X
Midgrade Gas:	Not reported
Premium Gas:	Not reported
Diesel:	Not reported
Kerosene:	Not reported
Aviation Fuel:	Not reported
Used Oil:	Not reported
Virgin Oil:	Not reported
Local Government:	Not reported
State and Federal:	Not reported
Steel:	Not reported
Fiberglass and Plastic:	Not reported
Cathodic Protection:	Not reported
Field Installed Cathodic:	Not reported
Interior Lined:	Not reported
Three Year CP Test Date:	Not reported
Bare Steel:	Not reported
Fiberglass/Plastic:	X
Flexible:	Not reported
Three Year CP Test Date:	Not reported
Catchment Basin:	X
Flow Restrictor:	X
Auto Shutoff:	X

RACEWAY SERVICE STATION #886 (Continued) **U004235016**

Alarm:	X
ATG:	X
Continuous ATG:	Not reported
Secondary:	Not reported
Vapor:	Not reported
Groundwater:	Not reported
Statistical Inv Reconciled:	Not reported
Annual Test Date:	Not reported
Annual Line Test:	X
Auto Ele Line Leak Detect:	X
Line Tight Test Date:	1993-05-21
Vapor Monitoring:	Not reported
Sir 15:	Not reported
Interstitial W2 Cont:	Not reported
Line Tight 3 Years Test Date:	Not reported
Check Value:	Not reported
Gravity P:	Not reported
Unique Tank Number:	25915
Cannot Locate:	Not reported
Year of Last Sir Report:	Not reported
Tank Contains Gasohol (85% Ethanol):	Not reported
Tank Contains Biodiesel:	Not reported
Number Manifolds:	0
Single Walled Tank:	Not reported
Double Walled Tank:	Not reported
Steel Tank Coated W/ Fiberglass:	X
Single Walled Piping:	Not reported
Double Walled Piping:	Not reported
Submersible Pump Sump Inspection Date:	1901-01-01
Tank Number:	1
Current A1:	Not reported
Temporary A2:	Not reported
Retired:	Not reported
Permanent A3:	X
Removal Date 3:	2003-01-14 00:00:00
Inert:	Not reported
Inert Date 3:	Not reported
Closed Without Assessment:	Not reported
Within Distance of Well 1:	Not reported
Other Petro E1L:	Not reported
Cercla Substance Name E2A:	Not reported
Cas Number E2B:	Not reported
Retail Tank F2:	X
Bulk Facility Tank F3:	Not reported
Industrial Tank F4:	Not reported
Farm Residential F7:	Not reported
Other Material G3:	Not reported
Other Extern H6:	Not reported
Three Year CP Review H:	Not reported
Other Pipe I4:	Not reported
Three Year CP Review J:	Not reported
Other External Prot Pipe J3:	Not reported
Test Date K:	1901-01-01 00:00:00
T Test 13 M3:	Not reported
TT Test Reviewed:	Not reported
Tight Test Date 13:	Not reported
Other M11:	Not reported

RACEWAY SERVICE STATION #886 (Continued) **U004235016**

Other N1D:	Not reported
LF Test Reviewed:	Not reported
Groundwater Monitoring N2D:	Not reported
Other N2H:	Not reported
Line Tightness Testing 3YRS O1:	Not reported
Sir 15 07:	Not reported
Tank Comments:	Not reported

UST:

Account number:	14001
Owner Name:	RACETRAC PETROLEUM, INC.
Owner Address:	200 GALLERIA PKWY. S.E. SUITE 900
Owner City:	ATLANTA
Owner State:	GA
Owner Zip:	30339
Owner Zip 2:	Not reported
Owner Telephone:	7704317600
Owner Type 2:	P
GSA ID:	Not reported
Owner Contact Name:	JORDAN WOODFIN
Owner Contact Telephone:	5753186198
Exempt:	Not reported

Account number:	14001
Site ID:	7778
Facility ID:	14001 33 7778
Last Usage Date:	2003-01-14
Install Date:	1987-01-01
Capacity:	7896
Compartments:	1
Unleaded Gas:	Not reported
Midgrade Gas:	X
Premium Gas:	Not reported
Diesel:	Not reported
Kerosene:	Not reported
Aviation Fuel:	Not reported
Used Oil:	Not reported
Virgin Oil:	Not reported
Local Government:	Not reported
State and Federal:	Not reported
Steel:	Not reported
Fiberglass and Plastic:	Not reported
Cathodic Protection:	Not reported
Field Installed Cathodic:	Not reported
Interior Lined:	Not reported
Three Year CP Test Date:	Not reported
Bare Steel:	Not reported
Fiberglass/Plastic:	X
Flexible:	Not reported
Three Year CP Test Date:	Not reported
Catchment Basin:	X
Flow Restrictor:	X
Auto Shutoff:	X
Alarm:	X
ATG:	X
Continuous ATG:	Not reported
Secondary:	Not reported

RACEWAY SERVICE STATION #886 (Continued) **U004235016**

Vapor:	Not reported
Groundwater:	Not reported
Statistical Inv Reconciled:	Not reported
Annual Test Date:	Not reported
Annual Line Test:	X
Auto Ele Line Leak Detect:	X
Line Tight Test Date:	1993-05-21
Vapor Monitoring:	Not reported
Sir 15:	Not reported
Interstitial W2 Cont:	Not reported
Line Tight 3 Years Test Date:	Not reported
Check Value:	Not reported
Gravity P:	Not reported
Unique Tank Number:	25916
Cannot Locate:	Not reported
Year of Last Sir Report:	Not reported
Tank Contains Gasohol (85% Ethanol):	Not reported
Tank Contains Biodiesel:	Not reported
Number Manifolds:	0
Single Walled Tank:	Not reported
Double Walled Tank:	Not reported
Steel Tank Coated W/ Fiberglass:	X
Single Walled Piping:	Not reported
Double Walled Piping:	Not reported
Submersible Pump Sump Inspection Date:	1901-01-01
Tank Number:	2
Current A1:	Not reported
Temporary A2:	Not reported
Retired:	Not reported
Permanent A3:	X
Removal Date 3:	2003-01-14 00:00:00
Inert:	Not reported
Inert Date 3:	Not reported
Closed Without Assessment:	Not reported
Within Distance of Well 1:	Not reported
Other Petro E1L:	Not reported
Cercla Substance Name E2A:	Not reported
Cas Number E2B:	Not reported
Retail Tank F2:	X
Bulk Facility Tank F3:	Not reported
Industrial Tank F4:	Not reported
Farm Residential F7:	Not reported
Other Material G3:	Not reported
Other Extern H6:	Not reported
Three Year CP Review H:	Not reported
Other Pipe I4:	Not reported
Three Year CP Review J:	Not reported
Other External Prot Pipe J3:	Not reported
Test Date K:	1901-01-01 00:00:00
T Test 13 M3:	Not reported
TT Test Reviewed:	Not reported
Tight Test Date 13:	Not reported
Other M11:	Not reported
Other N1D:	Not reported
LF Test Reviewed:	Not reported
Groundwater Monitoring N2D:	Not reported
Other N2H:	Not reported

RACEWAY SERVICE STATION #886 (Continued) **U004235016**

Line Tightness Testing 3YRS O1:	Not reported
Sir 15 07:	Not reported
Tank Comments:	Not reported

UST:

Account number:	14001
Owner Name:	RACETRAC PETROLEUM, INC.
Owner Address:	200 GALLERIA PKWY. S.E. SUITE 900
Owner City:	ATLANTA
Owner State:	GA
Owner Zip:	30339
Owner Zip 2:	Not reported
Owner Telephone:	7704317600
Owner Type 2:	P
GSA ID:	Not reported
Owner Contact Name:	JORDAN WOODFIN
Owner Contact Telephone:	5753186198
Exempt:	Not reported

Account number:	14001
Site ID:	7778
Facility ID:	14001 33 7778
Last Usage Date:	2003-01-14
Install Date:	1987-01-01
Capacity:	7896
Compartments:	1
Unleaded Gas:	Not reported
Midgrade Gas:	Not reported
Premium Gas:	X
Diesel:	Not reported
Kerosene:	Not reported
Aviation Fuel:	Not reported
Used Oil:	Not reported
Virgin Oil:	Not reported
Local Government:	Not reported
State and Federal:	Not reported
Steel:	Not reported
Fiberglass and Plastic:	Not reported
Cathodic Protection:	Not reported
Field Installed Cathodic:	Not reported
Interior Lined:	Not reported
Three Year CP Test Date:	Not reported
Bare Steel:	Not reported
Fiberglass/Plastic:	X
Flexible:	Not reported
Three Year CP Test Date:	Not reported
Catchment Basin:	X
Flow Restrictor:	X
Auto Shutoff:	X
Alarm:	X
ATG:	X
Continuous ATG:	Not reported
Secondary:	Not reported
Vapor:	Not reported
Groundwater:	Not reported
Statistical Inv Reconciled:	Not reported
Annual Test Date:	Not reported

RACEWAY SERVICE STATION #886 (Continued) **U004235016**

Annual Line Test:	X
Auto Ele Line Leak Detect:	X
Line Tight Test Date:	1993-05-21
Vapor Monitoring:	Not reported
Sir 15:	Not reported
Interstitial W2 Cont:	Not reported
Line Tight 3 Years Test Date:	Not reported
Check Value:	Not reported
Gravity P:	Not reported
Unique Tank Number:	25917
Cannot Locate:	Not reported
Year of Last Sir Report:	Not reported
Tank Contains Gasohol (85% Ethanol):	Not reported
Tank Contains Biodiesel:	Not reported
Number Manifolds:	0
Single Walled Tank:	Not reported
Double Walled Tank:	Not reported
Steel Tank Coated W/ Fiberglass:	X
Single Walled Piping:	Not reported
Double Walled Piping:	Not reported
Submersible Pump Sump Inspection Date:	1901-01-01
Tank Number:	3
Current A1:	Not reported
Temporary A2:	Not reported
Retired:	Not reported
Permanent A3:	X
Removal Date 3:	2003-01-14 00:00:00
Inert:	Not reported
Inert Date 3:	Not reported
Closed Without Assessment:	Not reported
Within Distance of Well 1:	Not reported
Other Petro E1L:	Not reported
Cercla Substance Name E2A:	Not reported
Cas Number E2B:	Not reported
Retail Tank F2:	X
Bulk Facility Tank F3:	Not reported
Industrial Tank F4:	Not reported
Farm Residential F7:	Not reported
Other Material G3:	Not reported
Other Extern H6:	Not reported
Three Year CP Review H:	Not reported
Other Pipe I4:	Not reported
Three Year CP Review J:	Not reported
Other External Prot Pipe J3:	Not reported
Test Date K:	1901-01-01 00:00:00
T Test 13 M3:	Not reported
TT Test Reviewed:	Not reported
Tight Test Date 13:	Not reported
Other M11:	Not reported
Other N1D:	Not reported
LF Test Reviewed:	Not reported
Groundwater Monitoring N2D:	Not reported
Other N2H:	Not reported
Line Tightness Testing 3YRS O1:	Not reported
Sir 15 07:	Not reported
Tank Comments:	Not reported

RACEWAY SERVICE STATION #886 (Continued) **U004235016**

UST:

Account number:	14001
Owner Name:	RACETRAC PETROLEUM, INC.
Owner Address:	200 GALLERIA PKWY. S.E. SUITE 900
Owner City:	ATLANTA
Owner State:	GA
Owner Zip:	30339
Owner Zip 2:	Not reported
Owner Telephone:	7704317600
Owner Type 2:	P
GSA ID:	Not reported
Owner Contact Name:	JORDAN WOODFIN
Owner Contact Telephone:	5753186198
Exempt:	Not reported

AL Financial Assurance:

Name:	RACEWAY SERVICE STATION #886
Address:	100 S MONTGOMERY
City,State,Zip:	SHEFFIELD, AL 35660
Account Number:	14001
Site ID Number:	7778
Facility Contact:	JAMES RAY JOHNSON
Facility Contact Phone:	2569916199
Tank Number:	2
Compliance AUST 18 R1:	Not reported
Net Worth 25000 18 R1A:	Not reported
Surety 18 R1B:	Not reported
Private Insurance 18 R2A:	Not reported
Insurer 18 R2A:	Not reported
Policy Number 18 R2A:	Not reported
Guarantee 18 2RB:	Not reported
Self Insured 18 R2C:	Not reported

Name:	RACEWAY SERVICE STATION #886
Address:	100 S MONTGOMERY
City,State,Zip:	SHEFFIELD, AL 35660
Account Number:	14001
Site ID Number:	7778
Facility Contact:	JAMES RAY JOHNSON
Facility Contact Phone:	2569916199
Tank Number:	3
Compliance AUST 18 R1:	Not reported
Net Worth 25000 18 R1A:	Not reported
Surety 18 R1B:	Not reported
Private Insurance 18 R2A:	Not reported
Insurer 18 R2A:	Not reported
Policy Number 18 R2A:	Not reported
Guarantee 18 2RB:	Not reported
Self Insured 18 R2C:	Not reported

Name:	RACEWAY SERVICE STATION #886
Address:	100 S MONTGOMERY
City,State,Zip:	SHEFFIELD, AL 35660
Account Number:	14001

RACEWAY SERVICE STATION #886 (Continued) **U004235016**

Site ID Number:	7778
Facility Contact:	JAMES RAY JOHNSON
Facility Contact Phone:	2569916199
Tank Number:	1
Compliance AUST 18 R1:	Not reported
Net Worth 25000 18 R1A:	Not reported
Surety 18 R1B:	Not reported
Private Insurance 18 R2A:	Not reported
Insurer 18 R2A:	Not reported
Policy Number 18 R2A:	Not reported
Guarantee 18 2RB:	Not reported
Self Insured 18 R2C:	Not reported

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20 WNW 1/8-1/4 0.224 mi. 1184 ft. **SWOOPES NU-WAY CLEANERS** **RCRA NonGen / NLR** **1007090580**
105 N MONTGOMERY AVE **ALN960605002**
SHEFFIELD, AL 35660

Relative: Lower

Actual: 491 ft.

RCRA NonGen / NLR:

Date form received by agency:	1996-06-05 00:00:00.0
Facility name:	SWOOPES NU-WAY CLEANERS
Facility address:	105 N MONTGOMERY AVE
	SHEFFIELD, AL 35660
EPA ID:	ALN960605002
Mailing address:	N MONTGOMERY AVE
	SHEFFIELD, AL 35660
Contact:	Not reported
Contact address:	Not reported
	Not reported
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	04
Land type:	Private
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	SWOOPES
Owner/operator address:	105 N MONTGOMERY AVE
	SHEFFIELD, AL 35660
Owner/operator country:	Not reported
Owner/operator telephone:	205-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No

SWOOPES NU-WAY CLEANERS (Continued) **1007090580**

Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Hazardous Waste Summary:

. Waste code: NONE
. Waste name: None

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date:	1996-06-05 00:00:00.0
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State

E21 **RACEWAY 886** **LUST** **S105803215**
West **100 MONTGOMERY STREET** **N/A**
1/8-1/4 **SHEFFIELD, AL**
0.234 mi.
1237 ft. **Site 2 of 2 in cluster E**

Relative: LUST:
Lower

Actual: Name:	RACEWAY 886
487 ft. Address:	100 MONTGOMERY STREET
City,State,Zip:	SHEFFIELD, AL
Facility ID:	7778
Account Number:	14001
Incident Number:	04
Searchable Incident Number:	UST030104
Cleanup Complete:	Yes
Owner Name:	RACETRAC PETROLEUM
Owner Address:	P. O. BOX 105035
Owner City,St,Zip:	ATLANTA, GA 30348
Incident Month/Yr:	01/03
Latitude:	34.757616
Longitude:	-87.699234

22
WSW
1/8-1/4
0.235 mi.
1241 ft.

BIGUNS MARKET (ZIPPY MART #650)
700 W MONTGOMERY AVE & 7TH ST
SHEFFIELD, AL 35660

UST **U004238999**
Financial Assurance **N/A**

Relative:
Lower

Actual:
482 ft.

UST:

Name:	BIGUNS MARKET (ZIPPY MART #650)
Address:	700 W MONTGOMERY AVE & 7TH ST
City,State,Zip:	SHEFFIELD, AL 35660
Facility ID:	20023 33 4262
Account Number:	20023
Site ID Number:	4262
Contact Name:	GARY MAYES
Contact Phone:	6157244674
Exempt:	Not reported
Located Within Indian Lands:	Not reported
GPS Latitude:	34.756317
GPS Longitude:	-87.699013
Located Wellhead Protection:	Not reported
Cannot Locate Site:	Not reported
Abandoned Site:	Not reported
Residence Adjacent:	Not reported
Residence Within 300 ft:	Not reported
Under Dispersion Containment:	Not reported
UDC Insp. Date:	Not reported
UDC Insp. Results:	Not reported
Date Last Inspected:	1999-07-14 00:00:00

UST:

Account number:	20023
Site ID:	4262
Facility ID:	20023 33 4262
Last Usage Date:	1999-07-14
Install Date:	1971-01-01
Capacity:	10000
Compartments:	1
Unleaded Gas:	X
Midgrade Gas:	Not reported
Premium Gas:	Not reported
Diesel:	Not reported
Kerosene:	Not reported
Aviation Fuel:	Not reported
Used Oil:	Not reported
Virgin Oil:	Not reported
Local Government:	Not reported
State and Federal:	Not reported
Steel:	X
Fiberglass and Plastic:	Not reported
Cathodic Protection:	Not reported
Field Installed Cathodic:	Not reported
Interior Lined:	Not reported
Three Year CP Test Date:	Not reported
Bare Steel:	X
Fiberglass/Plastic:	Not reported
Flexible:	Not reported
Three Year CP Test Date:	Not reported
Catchment Basin:	Not reported
Flow Restrictor:	Not reported
Auto Shutoff:	Not reported

BIGUNS MARKET (ZIPPY MART #650) (Continued) **U004238999**

Alarm:	Not reported
ATG:	Not reported
Continuous ATG:	Not reported
Secondary:	Not reported
Vapor:	Not reported
Groundwater:	Not reported
Statistical Inv Reconciled:	Not reported
Annual Test Date:	Not reported
Annual Line Test:	Not reported
Auto Ele Line Leak Detect:	Not reported
Line Tight Test Date:	Not reported
Vapor Monitoring:	Not reported
Sir 15:	Not reported
Interstitial W2 Cont:	Not reported
Line Tight 3 Years Test Date:	Not reported
Check Value:	Not reported
Gravity P:	Not reported
Unique Tank Number:	36092
Cannot Locate:	Not reported
Year of Last Sir Report:	Not reported
Tank Contains Gasohol (85% Ethanol):	Not reported
Tank Contains Biodiesel:	Not reported
Number Manifolds:	0
Single Walled Tank:	Not reported
Double Walled Tank:	Not reported
Steel Tank Coated W/ Fiberglass:	Not reported
Single Walled Piping:	Not reported
Double Walled Piping:	Not reported
Submersible Pump Sump Inspection Date:	1901-01-01
Tank Number:	1
Current A1:	Not reported
Temporary A2:	Not reported
Retired:	Not reported
Permanent A3:	X
Removal Date 3:	1997-12-03 00:00:00
Inert:	Not reported
Inert Date 3:	Not reported
Closed Without Assessment:	Not reported
Within Distance of Well 1:	Not reported
Other Petro E1L:	Not reported
Cercla Substance Name E2A:	Not reported
Cas Number E2B:	Not reported
Retail Tank F2:	Not reported
Bulk Facility Tank F3:	Not reported
Industrial Tank F4:	Not reported
Farm Residential F7:	Not reported
Other Material G3:	Not reported
Other Extern H6:	Not reported
Three Year CP Review H:	Not reported
Other Pipe I4:	Not reported
Three Year CP Review J:	Not reported
Other External Prot Pipe J3:	Not reported
Test Date K:	1901-01-01 00:00:00
T Test 13 M3:	Not reported
TT Test Reviewed:	Not reported
Tight Test Date 13:	Not reported
Other M11:	Not reported

BIGUNS MARKET (ZIPPY MART #650) (Continued) **U004238999**

Other N1D:	Not reported
LF Test Reviewed:	Not reported
Groundwater Monitoring N2D:	Not reported
Other N2H:	Not reported
Line Tightness Testing 3YRS O1:	Not reported
Sir 15 07:	Not reported
Tank Comments:	Not reported

UST:

Account number:	20023
Owner Name:	GARY MAYES
Owner Address:	P O BOX 264
Owner City:	COLLINWOOD
Owner State:	TN
Owner Zip:	38450
Owner Zip 2:	Not reported
Owner Telephone:	6157244674
Owner Type 2:	P
GSA ID:	Not reported
Owner Contact Name:	GARY MAYES
Owner Contact Telephone:	9317244674
Exempt:	Not reported

Account number:	20023
Site ID:	4262
Facility ID:	20023 33 4262
Last Usage Date:	1999-07-14
Install Date:	1971-01-01
Capacity:	10000
Compartments:	1
Unleaded Gas:	X
Midgrade Gas:	Not reported
Premium Gas:	Not reported
Diesel:	Not reported
Kerosene:	Not reported
Aviation Fuel:	Not reported
Used Oil:	Not reported
Virgin Oil:	Not reported
Local Government:	Not reported
State and Federal:	Not reported
Steel:	X
Fiberglass and Plastic:	Not reported
Cathodic Protection:	Not reported
Field Installed Cathodic:	Not reported
Interior Lined:	Not reported
Three Year CP Test Date:	Not reported
Bare Steel:	X
Fiberglass/Plastic:	Not reported
Flexible:	Not reported
Three Year CP Test Date:	Not reported
Catchment Basin:	Not reported
Flow Restrictor:	Not reported
Auto Shutoff:	Not reported
Alarm:	Not reported
ATG:	Not reported
Continuous ATG:	Not reported
Secondary:	Not reported

BIGUNS MARKET (ZIPPY MART #650) (Continued) **U004238999**

Vapor:	Not reported
Groundwater:	Not reported
Statistical Inv Reconciled:	Not reported
Annual Test Date:	Not reported
Annual Line Test:	Not reported
Auto Ele Line Leak Detect:	Not reported
Line Tight Test Date:	Not reported
Vapor Monitoring:	Not reported
Sir 15:	Not reported
Interstitial W2 Cont:	Not reported
Line Tight 3 Years Test Date:	Not reported
Check Value:	Not reported
Gravity P:	Not reported
Unique Tank Number:	36093
Cannot Locate:	Not reported
Year of Last Sir Report:	Not reported
Tank Contains Gasohol (85% Ethanol):	Not reported
Tank Contains Biodiesel:	Not reported
Number Manifolds:	0
Single Walled Tank:	Not reported
Double Walled Tank:	Not reported
Steel Tank Coated W/ Fiberglass:	Not reported
Single Walled Piping:	Not reported
Double Walled Piping:	Not reported
Submersible Pump Sump Inspection Date:	1901-01-01
Tank Number:	2
Current A1:	Not reported
Temporary A2:	Not reported
Retired:	Not reported
Permanent A3:	X
Removal Date 3:	1997-12-03 00:00:00
Inert:	Not reported
Inert Date 3:	Not reported
Closed Without Assessment:	Not reported
Within Distance of Well 1:	Not reported
Other Petro E1L:	Not reported
Cercla Substance Name E2A:	Not reported
Cas Number E2B:	Not reported
Retail Tank F2:	Not reported
Bulk Facility Tank F3:	Not reported
Industrial Tank F4:	Not reported
Farm Residential F7:	Not reported
Other Material G3:	Not reported
Other Extern H6:	Not reported
Three Year CP Review H:	Not reported
Other Pipe I4:	Not reported
Three Year CP Review J:	Not reported
Other External Prot Pipe J3:	Not reported
Test Date K:	1901-01-01 00:00:00
T Test 13 M3:	Not reported
TT Test Reviewed:	Not reported
Tight Test Date 13:	Not reported
Other M11:	Not reported
Other N1D:	Not reported
LF Test Reviewed:	Not reported
Groundwater Monitoring N2D:	Not reported
Other N2H:	Not reported

BIGUNS MARKET (ZIPPY MART #650) (Continued) **U004238999**

Line Tightness Testing 3YRS O1:	Not reported
Sir 15 07:	Not reported
Tank Comments:	Not reported

UST:

Account number:	20023
Owner Name:	GARY MAYES
Owner Address:	P O BOX 264
Owner City:	COLLINWOOD
Owner State:	TN
Owner Zip:	38450
Owner Zip 2:	Not reported
Owner Telephone:	6157244674
Owner Type 2:	P
GSA ID:	Not reported
Owner Contact Name:	GARY MAYES
Owner Contact Telephone:	9317244674
Exempt:	Not reported

AL Financial Assurance:

Name:	BIGUNS MARKET (ZIPPY MART #650)
Address:	700 W MONTGOMERY AVE & 7TH ST
City,State,Zip:	SHEFFIELD, AL 35660
Account Number:	20023
Site ID Number:	4262
Facility Contact:	GARY MAYES
Facility Contact Phone:	6157244674
Tank Number:	1
Compliance AUST 18 R1:	Not reported
Net Worth 25000 18 R1A:	Not reported
Surety 18 R1B:	Not reported
Private Insurance 18 R2A:	Not reported
Insurer 18 R2A:	Not reported
Policy Number 18 R2A:	Not reported
Guarantee 18 2RB:	Not reported
Self Insured 18 R2C:	Not reported

Name:	BIGUNS MARKET (ZIPPY MART #650)
Address:	700 W MONTGOMERY AVE & 7TH ST
City,State,Zip:	SHEFFIELD, AL 35660
Account Number:	20023
Site ID Number:	4262
Facility Contact:	GARY MAYES
Facility Contact Phone:	6157244674
Tank Number:	2
Compliance AUST 18 R1:	Not reported
Net Worth 25000 18 R1A:	Not reported
Surety 18 R1B:	Not reported
Private Insurance 18 R2A:	Not reported
Insurer 18 R2A:	Not reported
Policy Number 18 R2A:	Not reported
Guarantee 18 2RB:	Not reported
Self Insured 18 R2C:	Not reported

F23
NE
1/8-1/4
0.236 mi.
1244 ft.

SAM T CARTER OIL COMPANY
604 EAST 2ND ST & EAST 14 AVE
SHEFFIELD, AL 35660

Site 1 of 4 in cluster F

AST **A100416079**
N/A

Relative:
Higher

Actual:
507 ft.

AST:

Name:	SAM T CARTER OIL COMPANY
Address:	604 EAST 2ND ST & EAST 14 AVE
City,State,Zip:	SHEFFIELD, AL 35660
Account Number:	14287
Site ID:	1817
Contact Name:	ANN CARTER BUTLER
Contact Phone:	2563830914
Exempt:	Not reported
Located Within Indian Lands:	Not reported
GPS Latitude:	34.759542
GPS Longitude:	-87.691109
Located Wellhead Protection:	Not reported
Cannot Locate Site:	Not reported
Abandoned Site:	Not reported
Residence Adjacent:	Not reported
Residence Within 300 ft:	Not reported
Under Dispersion Containment:	Not reported
UDC Insp. Date:	Not reported
UDC Insp. Results:	Not reported
Date Last Inspected:	2017-07-18 00:00:00

AST:

Facility ID:	14287 33 1817
Site ID:	1817
County:	33
Account Number:	14287
Tank Number:	1
Currently in Use:	Not reported
Unique Tank Number:	3070
Date Installed:	1989-06-20
Temporarily Closed:	X
Removal Date:	Not reported
Capacity:	550
Permanently Closed:	Not reported
Number of Compartments:	1
Last Usage Date:	2015-10-22
Last Quantity:	Not reported
Located Above Ground:	Not reported
Within Distance of Well:	Not reported
Located Underground Area:	Not reported
Unleaded Gasoline:	Not reported
Notification Not Required:	Not reported
Midgrade Gasoline:	Not reported
Premium Gasoline:	Not reported
Diesel:	X
Kerosene:	Not reported
Aviation Fuel:	Not reported
Other Petroleum:	Not reported
Emergency:	Not reported
Retail:	Not reported
Bulk:	Not reported
Industrial:	X
State and Federal:	Not reported

SAM T CARTER OIL COMPANY (Continued) **A100416079**

Farm and Residential:	Not reported
Facility ID:	14287 33 1817
Site ID:	1817
County:	33
Account Number:	14287
Tank Number:	2
Currently in Use:	X
Unique Tank Number:	7923
Date Installed:	2018-02-26
Temporarily Closed:	Not reported
Removal Date:	Not reported
Capacity:	15000
Permanently Closed:	Not reported
Number of Compartments:	1
Last Usage Date:	Not reported
Last Quantity:	Not reported
Located Above Ground:	Not reported
Within Distance of Well:	Not reported
Located Underground Area:	Not reported
Unleaded Gasoline:	Not reported
Notification Not Required:	Not reported
Midgrade Gasoline:	Not reported
Premium Gasoline:	Not reported
Diesel:	X
Kerosene:	Not reported
Aviation Fuel:	Not reported
Other Petroleum:	Not reported
Emergency:	Not reported
Retail:	Not reported
Bulk:	X
Industrial:	Not reported
State and Federal:	Not reported
Farm and Residential:	Not reported
Facility ID:	14287 33 1817
Site ID:	1817
County:	33
Account Number:	14287
Tank Number:	3
Currently in Use:	X
Unique Tank Number:	7924
Date Installed:	2018-02-26
Temporarily Closed:	Not reported
Removal Date:	Not reported
Capacity:	15000
Permanently Closed:	Not reported
Number of Compartments:	1
Last Usage Date:	Not reported
Last Quantity:	Not reported
Located Above Ground:	Not reported
Within Distance of Well:	Not reported
Located Underground Area:	Not reported
Unleaded Gasoline:	Not reported
Notification Not Required:	Not reported
Midgrade Gasoline:	Not reported
Premium Gasoline:	Not reported

SAM T CARTER OIL COMPANY (Continued) **A100416079**

Diesel:	X
Kerosene:	Not reported
Aviation Fuel:	Not reported
Other Petroleum:	Not reported
Emergency:	Not reported
Retail:	Not reported
Bulk:	X
Industrial:	Not reported
State and Federal:	Not reported
Farm and Residential:	Not reported

Facility ID:	14287 33 1817
Site ID:	1817
County:	33
Account Number:	14287
Tank Number:	4
Currently in Use:	X
Unique Tank Number:	7926
Date Installed:	2018-02-26
Temporarily Closed:	Not reported
Removal Date:	Not reported
Capacity:	15000
Permanently Closed:	Not reported
Number of Compartments:	1
Last Usage Date:	Not reported
Last Quantity:	Not reported
Located Above Ground:	Not reported
Within Distance of Well:	Not reported
Located Underground Area:	Not reported
Unleaded Gasoline:	Not reported
Notification Not Required:	Not reported
Midgrade Gasoline:	Not reported
Premium Gasoline:	Not reported
Diesel:	X
Kerosene:	Not reported
Aviation Fuel:	Not reported
Other Petroleum:	Not reported
Emergency:	Not reported
Retail:	Not reported
Bulk:	X
Industrial:	Not reported
State and Federal:	Not reported
Farm and Residential:	Not reported

Facility ID:	14287 33 1817
Site ID:	1817
County:	33
Account Number:	14287
Tank Number:	5
Currently in Use:	X
Unique Tank Number:	7927
Date Installed:	2018-02-26
Temporarily Closed:	Not reported
Removal Date:	Not reported
Capacity:	10000
Permanently Closed:	Not reported
Number of Compartments:	1

SAM T CARTER OIL COMPANY (Continued) **A100416079**

Last Usage Date:	Not reported
Last Quantity:	Not reported
Located Above Ground:	Not reported
Within Distance of Well:	Not reported
Located Underground Area:	Not reported
Unleaded Gasoline:	Not reported
Notification Not Required:	Not reported
Midgrade Gasoline:	Not reported
Premium Gasoline:	Not reported
Diesel:	Not reported
Kerosene:	X
Aviation Fuel:	Not reported
Other Petroleum:	Not reported
Emergency:	Not reported
Retail:	Not reported
Bulk:	X
Industrial:	Not reported
State and Federal:	Not reported
Farm and Residential:	Not reported

Facility ID:	14287 33 1817
Site ID:	1817
County:	33
Account Number:	14287
Tank Number:	6
Currently in Use:	X
Unique Tank Number:	7928
Date Installed:	2018-02-26
Temporarily Closed:	Not reported
Removal Date:	Not reported
Capacity:	15000
Permanently Closed:	Not reported
Number of Compartments:	1
Last Usage Date:	Not reported
Last Quantity:	Not reported
Located Above Ground:	Not reported
Within Distance of Well:	Not reported
Located Underground Area:	Not reported
Unleaded Gasoline:	Not reported
Notification Not Required:	Not reported
Midgrade Gasoline:	Not reported
Premium Gasoline:	Not reported
Diesel:	Not reported
Kerosene:	Not reported
Aviation Fuel:	Not reported
Other Petroleum:	conv
Emergency:	Not reported
Retail:	Not reported
Bulk:	X
Industrial:	Not reported
State and Federal:	Not reported
Farm and Residential:	Not reported

Facility ID:	14287 33 1817
Site ID:	1817
County:	33
Account Number:	14287

SAM T CARTER OIL COMPANY (Continued) **A100416079**

Tank Number:	7
Currently in Use:	X
Unique Tank Number:	7929
Date Installed:	2018-02-26
Temporarily Closed:	Not reported
Removal Date:	Not reported
Capacity:	15000
Permanently Closed:	Not reported
Number of Compartments:	1
Last Usage Date:	Not reported
Last Quantity:	Not reported
Located Above Ground:	Not reported
Within Distance of Well:	Not reported
Located Underground Area:	Not reported
Unleaded Gasoline:	X
Notification Not Required:	Not reported
Midgrade Gasoline:	Not reported
Premium Gasoline:	Not reported
Diesel:	Not reported
Kerosene:	Not reported
Aviation Fuel:	Not reported
Other Petroleum:	Not reported
Emergency:	Not reported
Retail:	Not reported
Bulk:	X
Industrial:	Not reported
State and Federal:	Not reported
Farm and Residential:	Not reported

F24
NE
1/8-1/4
0.245 mi.
1296 ft.

SAM T CARTER OIL COMPANY
604 EAST 2ND ST & EAST 14 AVE
SHEFFIELD, AL 35660

LUST U001718411
UST N/A
Financial Assurance

Site 2 of 4 in cluster F

Relative: Higher
Actual: 507 ft.

LUST:

Name:	S T CARTER OIL COMPANY
Address:	604 E 2ND STREET
City,State,Zip:	SHEFFIELD, AL
Facility ID:	1817
Account Number:	14287
Incident Number:	01
Searchable Incident Number:	UST070701
Cleanup Complete:	Not reported
Owner Name:	S T CARTER OIL COMPANY, INC.
Owner Address:	PO BOX 487
Owner City,St,Zip:	SHEFFIELD, AL 35660
Incident Month/Yr:	07/07
Latitude:	34.759542
Longitude:	-87.691109

Name:	S T CARTER OIL CO INC
Address:	604 E 2ND ST
City,State,Zip:	SHEFFIELD, AL
Facility ID:	1817
Account Number:	14287
Incident Number:	15

SAM T CARTER OIL COMPANY (Continued) **U001718411**

Searchable Incident Number: UST900215
Cleanup Complete: Yes
Owner Name: S T CARTER OIL CO INC
Owner Address: 604 E 2ND ST
Owner City,St,Zip: SHEFFIELD, AL 35660
Incident Month/Yr: 02/90
Latitude: 34.759542
Longitude: -87.691109

Name: S T CARTER OIL CO INC
Address: 604 E 2ND ST
City,State,Zip: SHEFFIELD, AL
Facility ID: 1817
Account Number: 14287
Incident Number: 06
Searchable Incident Number: UST980806
Cleanup Complete: Yes
Owner Name: S T CARTER OIL CO INC
Owner Address: P.O.BOX 487
Owner City,St,Zip: SHEFFIELD, AL 35660
Incident Month/Yr: 08/98
Latitude: 34.759542
Longitude: -87.691109

UST:
Name: SAM T CARTER OIL COMPANY
Address: 604 EAST 2ND ST & EAST 14 AVE
City,State,Zip: SHEFFIELD, AL 35660
Facility ID: 14287 33 1817
Account Number: 14287
Site ID Number: 1817
Contact Name: ANN CARTER BUTLER
Contact Phone: 2563830914
Exempt: Not reported
Located Within Indian Lands: Not reported
GPS Latitude: 34.759542
GPS Longitude: -87.691109
Located Wellhead Protection: Not reported
Cannot Locate Site: Not reported
Abandoned Site: Not reported
Residence Adjacent: Not reported
Residence Within 300 ft: Not reported
Under Dispersion Containment: Not reported
UDC Insp. Date: Not reported
UDC Insp. Results: Not reported
Date Last Inspected: 2017-07-18 00:00:00

UST:
Account number: 14287
Site ID: 1817
Facility ID: 14287 33 1817
Last Usage Date: Not reported
Install Date: 1973-10-16
Capacity: 15300
Compartments: 1
Unleaded Gas: X
Midgrade Gas: Not reported

SAM T CARTER OIL COMPANY (Continued) **U001718411**

Premium Gas:	Not reported
Diesel:	Not reported
Kerosene:	Not reported
Aviation Fuel:	Not reported
Used Oil:	Not reported
Virgin Oil:	Not reported
Local Government:	Not reported
State and Federal:	Not reported
Steel:	X
Fiberglass and Plastic:	Not reported
Cathodic Protection:	Not reported
Field Installed Cathodic:	X
Interior Lined:	Not reported
Three Year CP Test Date:	2017-09-06
Bare Steel:	Not reported
Fiberglass/Plastic:	X
Flexible:	Not reported
Three Year CP Test Date:	Not reported
Catchment Basin:	X
Flow Restrictor:	X
Auto Shutoff:	X
Alarm:	Not reported
ATG:	Not reported
Continuous ATG:	X
Secondary:	Not reported
Vapor:	Not reported
Groundwater:	Not reported
Statistical Inv Reconciled:	Not reported
Annual Test Date:	2017-06-05
Annual Line Test:	X
Auto Ele Line Leak Detect:	Not reported
Line Tight Test Date:	2017-06-05
Vapor Monitoring:	Not reported
Sir 15:	Not reported
Interstitial W2 Cont:	Not reported
Line Tight 3 Years Test Date:	Not reported
Check Value:	Not reported
Gravity P:	Not reported
Unique Tank Number:	27384
Cannot Locate:	Not reported
Year of Last Sir Report:	Not reported
Tank Contains Gasohol (85% Ethanol):	Not reported
Tank Contains Biodiesel:	Not reported
Number Manifolds:	0
Single Walled Tank:	X
Double Walled Tank:	Not reported
Steel Tank Coated W/ Fiberglass:	Not reported
Single Walled Piping:	Not reported
Double Walled Piping:	X
Submersible Pump Sump Inspection Date:	2015-06-16
Tank Number:	1
Current A1:	X
Temporary A2:	Not reported
Retired:	Not reported
Permanent A3:	Not reported
Removal Date 3:	Not reported
Inert:	Not reported

SAM T CARTER OIL COMPANY (Continued) **U001718411**

Inert Date 3:	Not reported
Closed Without Assessment:	Not reported
Within Distance of Well 1:	Not reported
Other Petro E1L:	Not reported
Cercla Substance Name E2A:	Not reported
Cas Number E2B:	Not reported
Retail Tank F2:	Not reported
Bulk Facility Tank F3:	X
Industrial Tank F4:	Not reported
Farm Residential F7:	Not reported
Other Material G3:	Not reported
Other Extern H6:	Not reported
Three Year CP Review H:	P
Other Pipe I4:	Not reported
Three Year CP Review J:	Not reported
Other External Prot Pipe J3:	Not reported
Test Date K:	2018-06-04 00:00:00
T Test 13 M3:	Not reported
TT Test Reviewed:	Not reported
Tight Test Date 13:	Not reported
Other M11:	Not reported
Other N1D:	Not reported
LF Test Reviewed:	Not reported
Groundwater Monitoring N2D:	Not reported
Other N2H:	Not reported
Line Tightness Testing 3YRS O1:	Not reported
Sir 15 07:	Not reported
Tank Comments:	701-B004 DUAL PT

UST:

Account number:	14287
Owner Name:	SAM T CARTER OIL COMPANY, INC.
Owner Address:	P.O. BOX 487
Owner City:	SHEFFIELD
Owner State:	AL
Owner Zip:	35660
Owner Zip 2:	Not reported
Owner Telephone:	2563830914
Owner Type 2:	P
GSA ID:	Not reported
Owner Contact Name:	ANN CARTER BUTLER
Owner Contact Telephone:	2563830914
Exempt:	Not reported

Account number:	14287
Site ID:	1817
Facility ID:	14287 33 1817
Last Usage Date:	Not reported
Install Date:	1973-10-16
Capacity:	15300
Compartments:	1
Unleaded Gas:	Not reported
Midgrade Gas:	Not reported
Premium Gas:	Not reported
Diesel:	Not reported
Kerosene:	Not reported
Aviation Fuel:	Not reported

SAM T CARTER OIL COMPANY (Continued) **U001718411**

Used Oil:	Not reported
Virgin Oil:	Not reported
Local Government:	Not reported
State and Federal:	Not reported
Steel:	X
Fiberglass and Plastic:	Not reported
Cathodic Protection:	Not reported
Field Installed Cathodic:	X
Interior Lined:	Not reported
Three Year CP Test Date:	2017-09-06
Bare Steel:	Not reported
Fiberglass/Plastic:	X
Flexible:	Not reported
Three Year CP Test Date:	Not reported
Catchment Basin:	X
Flow Restrictor:	X
Auto Shutoff:	X
Alarm:	Not reported
ATG:	Not reported
Continuous ATG:	X
Secondary:	Not reported
Vapor:	Not reported
Groundwater:	Not reported
Statistical Inv Reconciled:	Not reported
Annual Test Date:	2017-06-05
Annual Line Test:	X
Auto Ele Line Leak Detect:	Not reported
Line Tight Test Date:	2017-06-05
Vapor Monitoring:	Not reported
Sir 15:	Not reported
Interstitial W2 Cont:	Not reported
Line Tight 3 Years Test Date:	Not reported
Check Value:	Not reported
Gravity P:	Not reported
Unique Tank Number:	27385
Cannot Locate:	Not reported
Year of Last Sir Report:	Not reported
Tank Contains Gasohol (85% Ethanol):	Not reported
Tank Contains Biodiesel:	Not reported
Number Manifolds:	0
Single Walled Tank:	X
Double Walled Tank:	Not reported
Steel Tank Coated W/ Fiberglass:	Not reported
Single Walled Piping:	Not reported
Double Walled Piping:	X
Submersible Pump Sump Inspection Date:	2015-06-16
Tank Number:	2
Current A1:	X
Temporary A2:	Not reported
Retired:	Not reported
Permanent A3:	Not reported
Removal Date 3:	Not reported
Inert:	Not reported
Inert Date 3:	Not reported
Closed Without Assessment:	Not reported
Within Distance of Well 1:	Not reported
Other Petro E1L:	OFF RD DSL

SAM T CARTER OIL COMPANY (Continued) **U001718411**

Cercla Substance Name E2A:	Not reported
Cas Number E2B:	Not reported
Retail Tank F2:	Not reported
Bulk Facility Tank F3:	X
Industrial Tank F4:	Not reported
Farm Residential F7:	Not reported
Other Material G3:	Not reported
Other Extern H6:	Not reported
Three Year CP Review H:	P
Other Pipe I4:	Not reported
Three Year CP Review J:	Not reported
Other External Prot Pipe J3:	Not reported
Test Date K:	2018-06-04 00:00:00
T Test 13 M3:	Not reported
TT Test Reviewed:	P
Tight Test Date 13:	2015-12-09 00:00:00
Other M11:	Not reported
Other N1D:	Not reported
LF Test Reviewed:	Not reported
Groundwater Monitoring N2D:	Not reported
Other N2H:	Not reported
Line Tightness Testing 3YRS O1:	Not reported
Sir 15 07:	Not reported
Tank Comments:	DYED #1

UST:

Account number:	14287
Owner Name:	SAM T CARTER OIL COMPANY, INC.
Owner Address:	P.O. BOX 487
Owner City:	SHEFFIELD
Owner State:	AL
Owner Zip:	35660
Owner Zip 2:	Not reported
Owner Telephone:	2563830914
Owner Type 2:	P
GSA ID:	Not reported
Owner Contact Name:	ANN CARTER BUTLER
Owner Contact Telephone:	2563830914
Exempt:	Not reported

Account number:	14287
Site ID:	1817
Facility ID:	14287 33 1817
Last Usage Date:	Not reported
Install Date:	1973-10-16
Capacity:	15300
Compartments:	1
Unleaded Gas:	Not reported
Midgrade Gas:	Not reported
Premium Gas:	Not reported
Diesel:	X
Kerosene:	Not reported
Aviation Fuel:	Not reported
Used Oil:	Not reported
Virgin Oil:	Not reported
Local Government:	Not reported
State and Federal:	Not reported

SAM T CARTER OIL COMPANY (Continued) **U001718411**

Steel:	X
Fiberglass and Plastic:	Not reported
Cathodic Protection:	Not reported
Field Installed Cathodic:	X
Interior Lined:	Not reported
Three Year CP Test Date:	2017-09-06
Bare Steel:	Not reported
Fiberglass/Plastic:	X
Flexible:	Not reported
Three Year CP Test Date:	Not reported
Catchment Basin:	X
Flow Restrictor:	X
Auto Shutoff:	X
Alarm:	Not reported
ATG:	Not reported
Continuous ATG:	X
Secondary:	Not reported
Vapor:	Not reported
Groundwater:	Not reported
Statistical Inv Reconciled:	Not reported
Annual Test Date:	2017-06-05
Annual Line Test:	X
Auto Ele Line Leak Detect:	Not reported
Line Tight Test Date:	2017-06-05
Vapor Monitoring:	Not reported
Sir 15:	Not reported
Interstitial W2 Cont:	Not reported
Line Tight 3 Years Test Date:	Not reported
Check Value:	Not reported
Gravity P:	Not reported
Unique Tank Number:	27386
Cannot Locate:	Not reported
Year of Last Sir Report:	Not reported
Tank Contains Gasohol (85% Ethanol):	Not reported
Tank Contains Biodiesel:	Not reported
Number Manifolds:	0
Single Walled Tank:	X
Double Walled Tank:	Not reported
Steel Tank Coated W/ Fiberglass:	Not reported
Single Walled Piping:	Not reported
Double Walled Piping:	X
Submersible Pump Sump Inspection Date:	2015-06-16
Tank Number:	3
Current A1:	X
Temporary A2:	Not reported
Retired:	Not reported
Permanent A3:	Not reported
Removal Date 3:	Not reported
Inert:	Not reported
Inert Date 3:	Not reported
Closed Without Assessment:	Not reported
Within Distance of Well 1:	Not reported
Other Petro E1L:	Not reported
Cercla Substance Name E2A:	Not reported
Cas Number E2B:	Not reported
Retail Tank F2:	Not reported
Bulk Facility Tank F3:	X

SAM T CARTER OIL COMPANY (Continued) **U001718411**

Industrial Tank F4:	Not reported
Farm Residential F7:	Not reported
Other Material G3:	Not reported
Other Extern H6:	Not reported
Three Year CP Review H:	P
Other Pipe I4:	Not reported
Three Year CP Review J:	Not reported
Other External Prot Pipe J3:	Not reported
Test Date K:	2018-06-04 00:00:00
T Test 13 M3:	Not reported
TT Test Reviewed:	P
Tight Test Date 13:	2015-12-09 00:00:00
Other M11:	Not reported
Other N1D:	Not reported
LF Test Reviewed:	Not reported
Groundwater Monitoring N2D:	Not reported
Other N2H:	Not reported
Line Tightness Testing 3YRS O1:	Not reported
Sir 15 07:	Not reported
Tank Comments:	CLEAR DIESEL

UST:

Account number:	14287
Owner Name:	SAM T CARTER OIL COMPANY, INC.
Owner Address:	P.O. BOX 487
Owner City:	SHEFFIELD
Owner State:	AL
Owner Zip:	35660
Owner Zip 2:	Not reported
Owner Telephone:	2563830914
Owner Type 2:	P
GSA ID:	Not reported
Owner Contact Name:	ANN CARTER BUTLER
Owner Contact Telephone:	2563830914
Exempt:	Not reported

Account number:	14287
Site ID:	1817
Facility ID:	14287 33 1817
Last Usage Date:	2017-07-17
Install Date:	1973-10-13
Capacity:	11700
Compartments:	1
Unleaded Gas:	Not reported
Midgrade Gas:	Not reported
Premium Gas:	Not reported
Diesel:	Not reported
Kerosene:	Not reported
Aviation Fuel:	Not reported
Used Oil:	Not reported
Virgin Oil:	Not reported
Local Government:	Not reported
State and Federal:	Not reported
Steel:	X
Fiberglass and Plastic:	Not reported
Cathodic Protection:	Not reported
Field Installed Cathodic:	X

SAM T CARTER OIL COMPANY (Continued) **U001718411**

Interior Lined:	Not reported
Three Year CP Test Date:	2017-09-06
Bare Steel:	Not reported
Fiberglass/Plastic:	X
Flexible:	Not reported
Three Year CP Test Date:	Not reported
Catchment Basin:	X
Flow Restrictor:	X
Auto Shutoff:	X
Alarm:	Not reported
ATG:	Not reported
Continuous ATG:	X
Secondary:	Not reported
Vapor:	Not reported
Groundwater:	Not reported
Statistical Inv Reconciled:	Not reported
Annual Test Date:	2017-06-05
Annual Line Test:	X
Auto Ele Line Leak Detect:	Not reported
Line Tight Test Date:	2017-06-05
Vapor Monitoring:	Not reported
Sir 15:	Not reported
Interstitial W2 Cont:	Not reported
Line Tight 3 Years Test Date:	Not reported
Check Value:	Not reported
Gravity P:	Not reported
Unique Tank Number:	27387
Cannot Locate:	Not reported
Year of Last Sir Report:	Not reported
Tank Contains Gasohol (85% Ethanol):	Not reported
Tank Contains Biodiesel:	Not reported
Number Manifolds:	0
Single Walled Tank:	X
Double Walled Tank:	Not reported
Steel Tank Coated W/ Fiberglass:	Not reported
Single Walled Piping:	Not reported
Double Walled Piping:	X
Submersible Pump Sump Inspection Date:	2015-06-16
Tank Number:	4
Current A1:	Not reported
Temporary A2:	X
Retired:	Not reported
Permanent A3:	Not reported
Removal Date 3:	Not reported
Inert:	Not reported
Inert Date 3:	Not reported
Closed Without Assessment:	Not reported
Within Distance of Well 1:	Not reported
Other Petro E1L:	OFF RD DSL
Cercla Substance Name E2A:	Not reported
Cas Number E2B:	Not reported
Retail Tank F2:	Not reported
Bulk Facility Tank F3:	X
Industrial Tank F4:	Not reported
Farm Residential F7:	Not reported
Other Material G3:	Not reported
Other Extern H6:	Not reported

SAM T CARTER OIL COMPANY (Continued) **U001718411**

Three Year CP Review H:	P
Other Pipe I4:	Not reported
Three Year CP Review J:	Not reported
Other External Prot Pipe J3:	Not reported
Test Date K:	2015-06-11 00:00:00
T Test 13 M3:	Not reported
TT Test Reviewed:	P
Tight Test Date 13:	2015-12-09 00:00:00
Other M11:	Not reported
Other N1D:	Not reported
LF Test Reviewed:	Not reported
Groundwater Monitoring N2D:	Not reported
Other N2H:	Not reported
Line Tightness Testing 3YRS O1:	Not reported
Sir 15 07:	Not reported
Tank Comments:	DYED #2 LEAKING TANK 7/16/17

UST:

Account number:	14287
Owner Name:	SAM T CARTER OIL COMPANY, INC.
Owner Address:	P.O. BOX 487
Owner City:	SHEFFIELD
Owner State:	AL
Owner Zip:	35660
Owner Zip 2:	Not reported
Owner Telephone:	2563830914
Owner Type 2:	P
GSA ID:	Not reported
Owner Contact Name:	ANN CARTER BUTLER
Owner Contact Telephone:	2563830914
Exempt:	Not reported

Account number:	14287
Site ID:	1817
Facility ID:	14287 33 1817
Last Usage Date:	2008-08-19
Install Date:	1973-10-13
Capacity:	15300
Compartments:	1
Unleaded Gas:	X
Midgrade Gas:	Not reported
Premium Gas:	Not reported
Diesel:	Not reported
Kerosene:	Not reported
Aviation Fuel:	Not reported
Used Oil:	Not reported
Virgin Oil:	Not reported
Local Government:	Not reported
State and Federal:	Not reported
Steel:	X
Fiberglass and Plastic:	Not reported
Cathodic Protection:	Not reported
Field Installed Cathodic:	X
Interior Lined:	Not reported
Three Year CP Test Date:	Not reported
Bare Steel:	Not reported
Fiberglass/Plastic:	X

SAM T CARTER OIL COMPANY (Continued) **U001718411**

Flexible:	Not reported
Three Year CP Test Date:	Not reported
Catchment Basin:	Not reported
Flow Restrictor:	X
Auto Shutoff:	Not reported
Alarm:	Not reported
ATG:	X
Continuous ATG:	Not reported
Secondary:	Not reported
Vapor:	Not reported
Groundwater:	Not reported
Statistical Inv Reconciled:	Not reported
Annual Test Date:	2008-08-26
Annual Line Test:	Not reported
Auto Ele Line Leak Detect:	Not reported
Line Tight Test Date:	Not reported
Vapor Monitoring:	Not reported
Sir 15:	Not reported
Interstitial W2 Cont:	X
Line Tight 3 Years Test Date:	Not reported
Check Value:	Not reported
Gravity P:	Not reported
Unique Tank Number:	27388
Cannot Locate:	Not reported
Year of Last Sir Report:	Not reported
Tank Contains Gasohol (85% Ethanol):	Not reported
Tank Contains Biodiesel:	Not reported
Number Manifolds:	0
Single Walled Tank:	Not reported
Double Walled Tank:	Not reported
Steel Tank Coated W/ Fiberglass:	Not reported
Single Walled Piping:	Not reported
Double Walled Piping:	Not reported
Submersible Pump Sump Inspection Date:	1901-01-01
Tank Number:	5
Current A1:	Not reported
Temporary A2:	Not reported
Retired:	Not reported
Permanent A3:	X
Removal Date 3:	2008-08-19 00:00:00
Inert:	Not reported
Inert Date 3:	Not reported
Closed Without Assessment:	Not reported
Within Distance of Well 1:	Not reported
Other Petro E1L:	Not reported
Cercla Substance Name E2A:	Not reported
Cas Number E2B:	Not reported
Retail Tank F2:	Not reported
Bulk Facility Tank F3:	X
Industrial Tank F4:	Not reported
Farm Residential F7:	Not reported
Other Material G3:	Not reported
Other Extern H6:	Not reported
Three Year CP Review H:	Not reported
Other Pipe I4:	Not reported
Three Year CP Review J:	Not reported
Other External Prot Pipe J3:	Not reported

SAM T CARTER OIL COMPANY (Continued) **U001718411**

Test Date K:	1901-01-01 00:00:00
T Test 13 M3:	Not reported
TT Test Reviewed:	Not reported
Tight Test Date 13:	Not reported
Other M11:	Not reported
Other N1D:	Not reported
LF Test Reviewed:	Not reported
Groundwater Monitoring N2D:	Not reported
Other N2H:	Not reported
Line Tightness Testing 3YRS O1:	Not reported
Sir 15 07:	Not reported
Tank Comments:	Not reported

UST:

Account number:	14287
Owner Name:	SAM T CARTER OIL COMPANY, INC.
Owner Address:	P.O. BOX 487
Owner City:	SHEFFIELD
Owner State:	AL
Owner Zip:	35660
Owner Zip 2:	Not reported
Owner Telephone:	2563830914
Owner Type 2:	P
GSA ID:	Not reported
Owner Contact Name:	ANN CARTER BUTLER
Owner Contact Telephone:	2563830914
Exempt:	Not reported

Account number:	14287
Site ID:	1817
Facility ID:	14287 33 1817
Last Usage Date:	2017-07-31
Install Date:	1973-10-16
Capacity:	15300
Compartments:	1
Unleaded Gas:	Not reported
Midgrade Gas:	Not reported
Premium Gas:	Not reported
Diesel:	Not reported
Kerosene:	X
Aviation Fuel:	Not reported
Used Oil:	Not reported
Virgin Oil:	Not reported
Local Government:	Not reported
State and Federal:	Not reported
Steel:	X
Fiberglass and Plastic:	Not reported
Cathodic Protection:	Not reported
Field Installed Cathodic:	X
Interior Lined:	Not reported
Three Year CP Test Date:	2017-09-06
Bare Steel:	Not reported
Fiberglass/Plastic:	X
Flexible:	Not reported
Three Year CP Test Date:	Not reported
Catchment Basin:	X
Flow Restrictor:	X

SAM T CARTER OIL COMPANY (Continued) **U001718411**

Auto Shutoff:	X
Alarm:	Not reported
ATG:	Not reported
Continuous ATG:	X
Secondary:	Not reported
Vapor:	Not reported
Groundwater:	Not reported
Statistical Inv Reconciled:	Not reported
Annual Test Date:	2017-06-05
Annual Line Test:	X
Auto Ele Line Leak Detect:	Not reported
Line Tight Test Date:	2017-06-05
Vapor Monitoring:	Not reported
Sir 15:	Not reported
Interstitial W2 Cont:	Not reported
Line Tight 3 Years Test Date:	Not reported
Check Value:	Not reported
Gravity P:	Not reported
Unique Tank Number:	27389
Cannot Locate:	Not reported
Year of Last Sir Report:	Not reported
Tank Contains Gasohol (85% Ethanol):	Not reported
Tank Contains Biodiesel:	Not reported
Number Manifolds:	0
Single Walled Tank:	X
Double Walled Tank:	Not reported
Steel Tank Coated W/ Fiberglass:	Not reported
Single Walled Piping:	Not reported
Double Walled Piping:	X
Submersible Pump Sump Inspection Date:	2015-06-16
Tank Number:	6
Current A1:	Not reported
Temporary A2:	X
Retired:	Not reported
Permanent A3:	Not reported
Removal Date 3:	Not reported
Inert:	Not reported
Inert Date 3:	Not reported
Closed Without Assessment:	Not reported
Within Distance of Well 1:	Not reported
Other Petro E1L:	Not reported
Cercla Substance Name E2A:	Not reported
Cas Number E2B:	Not reported
Retail Tank F2:	Not reported
Bulk Facility Tank F3:	X
Industrial Tank F4:	Not reported
Farm Residential F7:	Not reported
Other Material G3:	Not reported
Other Extern H6:	Not reported
Three Year CP Review H:	P
Other Pipe I4:	Not reported
Three Year CP Review J:	Not reported
Other External Prot Pipe J3:	Not reported
Test Date K:	2015-06-11 00:00:00
T Test 13 M3:	Not reported
TT Test Reviewed:	P
Tight Test Date 13:	2015-12-09 00:00:00

SAM T CARTER OIL COMPANY (Continued) **U001718411**

Other M11:	Not reported
Other N1D:	Not reported
LF Test Reviewed:	Not reported
Groundwater Monitoring N2D:	Not reported
Other N2H:	Not reported
Line Tightness Testing 3YRS O1:	Not reported
Sir 15 07:	Not reported
Tank Comments:	KEROSINE

UST:

Account number:	14287
Owner Name:	SAM T CARTER OIL COMPANY, INC.
Owner Address:	P.O. BOX 487
Owner City:	SHEFFIELD
Owner State:	AL
Owner Zip:	35660
Owner Zip 2:	Not reported
Owner Telephone:	2563830914
Owner Type 2:	P
GSA ID:	Not reported
Owner Contact Name:	ANN CARTER BUTLER
Owner Contact Telephone:	2563830914
Exempt:	Not reported

Account number:	14287
Site ID:	1817
Facility ID:	14287 33 1817
Last Usage Date:	1989-11-17
Install Date:	1959-01-01
Capacity:	1000
Compartments:	1
Unleaded Gas:	Not reported
Midgrade Gas:	Not reported
Premium Gas:	Not reported
Diesel:	Not reported
Kerosene:	Not reported
Aviation Fuel:	Not reported
Used Oil:	Not reported
Virgin Oil:	Not reported
Local Government:	Not reported
State and Federal:	Not reported
Steel:	X
Fiberglass and Plastic:	Not reported
Cathodic Protection:	Not reported
Field Installed Cathodic:	Not reported
Interior Lined:	Not reported
Three Year CP Test Date:	Not reported
Bare Steel:	X
Fiberglass/Plastic:	Not reported
Flexible:	Not reported
Three Year CP Test Date:	Not reported
Catchment Basin:	Not reported
Flow Restrictor:	Not reported
Auto Shutoff:	Not reported
Alarm:	Not reported
ATG:	Not reported
Continuous ATG:	Not reported

SAM T CARTER OIL COMPANY (Continued) **U001718411**

Secondary:	Not reported
Vapor:	Not reported
Groundwater:	Not reported
Statistical Inv Reconciled:	Not reported
Annual Test Date:	Not reported
Annual Line Test:	Not reported
Auto Ele Line Leak Detect:	Not reported
Line Tight Test Date:	Not reported
Vapor Monitoring:	Not reported
Sir 15:	Not reported
Interstitial W2 Cont:	Not reported
Line Tight 3 Years Test Date:	Not reported
Check Value:	Not reported
Gravity P:	Not reported
Unique Tank Number:	27390
Cannot Locate:	Not reported
Year of Last Sir Report:	Not reported
Tank Contains Gasohol (85% Ethanol):	Not reported
Tank Contains Biodiesel:	Not reported
Number Manifolds:	0
Single Walled Tank:	Not reported
Double Walled Tank:	Not reported
Steel Tank Coated W/ Fiberglass:	Not reported
Single Walled Piping:	Not reported
Double Walled Piping:	Not reported
Submersible Pump Sump Inspection Date:	1901-01-01
Tank Number:	7
Current A1:	Not reported
Temporary A2:	Not reported
Retired:	Not reported
Permanent A3:	X
Removal Date 3:	1989-11-17 00:00:00
Inert:	Not reported
Inert Date 3:	Not reported
Closed Without Assessment:	Not reported
Within Distance of Well 1:	Not reported
Other Petro E1L:	MNRLSPIRIT
Cercla Substance Name E2A:	Not reported
Cas Number E2B:	Not reported
Retail Tank F2:	Not reported
Bulk Facility Tank F3:	Not reported
Industrial Tank F4:	Not reported
Farm Residential F7:	Not reported
Other Material G3:	Not reported
Other Extern H6:	Not reported
Three Year CP Review H:	Not reported
Other Pipe I4:	Not reported
Three Year CP Review J:	Not reported
Other External Prot Pipe J3:	Not reported
Test Date K:	Not reported
T Test 13 M3:	Not reported
TT Test Reviewed:	Not reported
Tight Test Date 13:	Not reported
Other M11:	Not reported
Other N1D:	Not reported
LF Test Reviewed:	Not reported
Groundwater Monitoring N2D:	Not reported

SAM T CARTER OIL COMPANY (Continued) **U001718411**

Other N2H:	Not reported
Line Tightness Testing 3YRS O1:	Not reported
Sir 15 07:	Not reported
Tank Comments:	Not reported

UST:

Account number:	14287
Owner Name:	SAM T CARTER OIL COMPANY, INC.
Owner Address:	P.O. BOX 487
Owner City:	SHEFFIELD
Owner State:	AL
Owner Zip:	35660
Owner Zip 2:	Not reported
Owner Telephone:	2563830914
Owner Type 2:	P
GSA ID:	Not reported
Owner Contact Name:	ANN CARTER BUTLER
Owner Contact Telephone:	2563830914
Exempt:	Not reported

Account number:	14287
Site ID:	1817
Facility ID:	14287 33 1817
Last Usage Date:	1989-11-17
Install Date:	1959-01-01
Capacity:	1000
Compartments:	1
Unleaded Gas:	Not reported
Midgrade Gas:	Not reported
Premium Gas:	Not reported
Diesel:	Not reported
Kerosene:	X
Aviation Fuel:	Not reported
Used Oil:	Not reported
Virgin Oil:	Not reported
Local Government:	Not reported
State and Federal:	Not reported
Steel:	X
Fiberglass and Plastic:	Not reported
Cathodic Protection:	Not reported
Field Installed Cathodic:	Not reported
Interior Lined:	Not reported
Three Year CP Test Date:	Not reported
Bare Steel:	X
Fiberglass/Plastic:	Not reported
Flexible:	Not reported
Three Year CP Test Date:	Not reported
Catchment Basin:	Not reported
Flow Restrictor:	Not reported
Auto Shutoff:	Not reported
Alarm:	Not reported
ATG:	Not reported
Continuous ATG:	Not reported
Secondary:	Not reported
Vapor:	Not reported
Groundwater:	Not reported
Statistical Inv Reconciled:	Not reported

SAM T CARTER OIL COMPANY (Continued) **U001718411**

Annual Test Date:	Not reported
Annual Line Test:	Not reported
Auto Ele Line Leak Detect:	Not reported
Line Tight Test Date:	Not reported
Vapor Monitoring:	Not reported
Sir 15:	Not reported
Interstitial W2 Cont:	Not reported
Line Tight 3 Years Test Date:	Not reported
Check Value:	Not reported
Gravity P:	Not reported
Unique Tank Number:	27391
Cannot Locate:	Not reported
Year of Last Sir Report:	Not reported
Tank Contains Gasohol (85% Ethanol):	Not reported
Tank Contains Biodiesel:	Not reported
Number Manifolds:	0
Single Walled Tank:	X
Double Walled Tank:	Not reported
Steel Tank Coated W/ Fiberglass:	Not reported
Single Walled Piping:	X
Double Walled Piping:	Not reported
Submersible Pump Sump Inspection Date:	1901-01-01
Tank Number:	8
Current A1:	Not reported
Temporary A2:	Not reported
Retired:	Not reported
Permanent A3:	X
Removal Date 3:	1989-11-17 00:00:00
Inert:	Not reported
Inert Date 3:	Not reported
Closed Without Assessment:	Not reported
Within Distance of Well 1:	Not reported
Other Petro E1L:	Not reported
Cercla Substance Name E2A:	Not reported
Cas Number E2B:	Not reported
Retail Tank F2:	Not reported
Bulk Facility Tank F3:	Not reported
Industrial Tank F4:	Not reported
Farm Residential F7:	Not reported
Other Material G3:	Not reported
Other Extern H6:	Not reported
Three Year CP Review H:	Not reported
Other Pipe I4:	Not reported
Three Year CP Review J:	Not reported
Other External Prot Pipe J3:	Not reported
Test Date K:	Not reported
T Test 13 M3:	Not reported
TT Test Reviewed:	Not reported
Tight Test Date 13:	Not reported
Other M11:	Not reported
Other N1D:	Not reported
LF Test Reviewed:	Not reported
Groundwater Monitoring N2D:	Not reported
Other N2H:	Not reported
Line Tightness Testing 3YRS O1:	Not reported
Sir 15 07:	Not reported
Tank Comments:	CARDLOCK

SAM T CARTER OIL COMPANY (Continued) **U001718411**

UST:

Account number:	14287
Owner Name:	SAM T CARTER OIL COMPANY, INC.
Owner Address:	P.O. BOX 487
Owner City:	SHEFFIELD
Owner State:	AL
Owner Zip:	35660
Owner Zip 2:	Not reported
Owner Telephone:	2563830914
Owner Type 2:	P
GSA ID:	Not reported
Owner Contact Name:	ANN CARTER BUTLER
Owner Contact Telephone:	2563830914
Exempt:	Not reported

Account number:	14287
Site ID:	1817
Facility ID:	14287 33 1817
Last Usage Date:	Not reported
Install Date:	1995-05-24
Capacity:	6000
Compartments:	2
Unleaded Gas:	X
Midgrade Gas:	Not reported
Premium Gas:	X
Diesel:	Not reported
Kerosene:	Not reported
Aviation Fuel:	Not reported
Used Oil:	Not reported
Virgin Oil:	Not reported
Local Government:	Not reported
State and Federal:	Not reported
Steel:	X
Fiberglass and Plastic:	Not reported
Cathodic Protection:	X
Field Installed Cathodic:	Not reported
Interior Lined:	Not reported
Three Year CP Test Date:	2018-06-04
Bare Steel:	Not reported
Fiberglass/Plastic:	X
Flexible:	Not reported
Three Year CP Test Date:	Not reported
Catchment Basin:	X
Flow Restrictor:	X
Auto Shutoff:	Not reported
Alarm:	Not reported
ATG:	Not reported
Continuous ATG:	X
Secondary:	Not reported
Vapor:	Not reported
Groundwater:	Not reported
Statistical Inv Reconciled:	Not reported
Annual Test Date:	Not reported
Annual Line Test:	Not reported
Auto Ele Line Leak Detect:	Not reported
Line Tight Test Date:	Not reported

SAM T CARTER OIL COMPANY (Continued) **U001718411**

Vapor Monitoring:	Not reported
Sir 15:	Not reported
Interstitial W2 Cont:	Not reported
Line Tight 3 Years Test Date:	2014-03-13
Check Value:	X
Gravity P:	Not reported
Unique Tank Number:	45696
Cannot Locate:	Not reported
Year of Last Sir Report:	Not reported
Tank Contains Gasohol (85% Ethanol):	Not reported
Tank Contains Biodiesel:	Not reported
Number Manifolds:	0
Single Walled Tank:	X
Double Walled Tank:	Not reported
Steel Tank Coated W/ Fiberglass:	Not reported
Single Walled Piping:	X
Double Walled Piping:	Not reported
Submersible Pump Sump Inspection Date:	1901-01-01
Tank Number:	9
Current A1:	X
Temporary A2:	Not reported
Retired:	Not reported
Permanent A3:	Not reported
Removal Date 3:	Not reported
Inert:	Not reported
Inert Date 3:	Not reported
Closed Without Assessment:	Not reported
Within Distance of Well 1:	Not reported
Other Petro E1L:	Not reported
Cercla Substance Name E2A:	Not reported
Cas Number E2B:	Not reported
Retail Tank F2:	X
Bulk Facility Tank F3:	Not reported
Industrial Tank F4:	Not reported
Farm Residential F7:	Not reported
Other Material G3:	Not reported
Other Extern H6:	Not reported
Three Year CP Review H:	P
Other Pipe I4:	Not reported
Three Year CP Review J:	Not reported
Other External Prot Pipe J3:	Not reported
Test Date K:	2018-10-17 00:00:00
T Test 13 M3:	Not reported
TT Test Reviewed:	P
Tight Test Date 13:	2015-12-07 00:00:00
Other M11:	Not reported
Other N1D:	Not reported
LF Test Reviewed:	P
Groundwater Monitoring N2D:	Not reported
Other N2H:	Not reported
Line Tightness Testing 3YRS O1:	Not reported
Sir 15 07:	Not reported
Tank Comments:	CARDLOCK

UST:

Account number:	14287
Owner Name:	SAM T CARTER OIL COMPANY, INC.
Owner Address:	P.O. BOX 487

SAM T CARTER OIL COMPANY (Continued) **U001718411**

Owner City:	SHEFFIELD
Owner State:	AL
Owner Zip:	35660
Owner Zip 2:	Not reported
Owner Telephone:	2563830914
Owner Type 2:	P
GSA ID:	Not reported
Owner Contact Name:	ANN CARTER BUTLER
Owner Contact Telephone:	2563830914
Exempt:	Not reported

Account number:	14287
Site ID:	1817
Facility ID:	14287 33 1817
Last Usage Date:	Not reported
Install Date:	1995-05-24
Capacity:	6000
Compartments:	2
Unleaded Gas:	Not reported
Midgrade Gas:	Not reported
Premium Gas:	Not reported
Diesel:	X
Kerosene:	Not reported
Aviation Fuel:	Not reported
Used Oil:	Not reported
Virgin Oil:	Not reported
Local Government:	Not reported
State and Federal:	Not reported
Steel:	X
Fiberglass and Plastic:	Not reported
Cathodic Protection:	X
Field Installed Cathodic:	Not reported
Interior Lined:	Not reported
Three Year CP Test Date:	2018-06-04
Bare Steel:	Not reported
Fiberglass/Plastic:	X
Flexible:	Not reported
Three Year CP Test Date:	Not reported
Catchment Basin:	X
Flow Restrictor:	X
Auto Shutoff:	Not reported
Alarm:	Not reported
ATG:	Not reported
Continuous ATG:	X
Secondary:	Not reported
Vapor:	Not reported
Groundwater:	Not reported
Statistical Inv Reconciled:	Not reported
Annual Test Date:	Not reported
Annual Line Test:	Not reported
Auto Ele Line Leak Detect:	Not reported
Line Tight Test Date:	Not reported
Vapor Monitoring:	Not reported
Sir 15:	Not reported
Interstitial W2 Cont:	Not reported
Line Tight 3 Years Test Date:	2014-03-13

SAM T CARTER OIL COMPANY (Continued) **U001718411**

Check Value:	X
Gravity P:	Not reported
Unique Tank Number:	45697
Cannot Locate:	Not reported
Year of Last Sir Report:	Not reported
Tank Contains Gasohol (85% Ethanol):	Not reported
Tank Contains Biodiesel:	Not reported
Number Manifolds:	0
Single Walled Tank:	X
Double Walled Tank:	Not reported
Steel Tank Coated W/ Fiberglass:	Not reported
Single Walled Piping:	X
Double Walled Piping:	Not reported
Submersible Pump Sump Inspection Date:	Not reported
Tank Number:	10
Current A1:	X
Temporary A2:	Not reported
Retired:	Not reported
Permanent A3:	Not reported
Removal Date 3:	Not reported
Inert:	Not reported
Inert Date 3:	Not reported
Closed Without Assessment:	Not reported
Within Distance of Well 1:	Not reported
Other Petro E1L:	OFF-ROAD
Cercla Substance Name E2A:	Not reported
Cas Number E2B:	Not reported
Retail Tank F2:	X
Bulk Facility Tank F3:	Not reported
Industrial Tank F4:	Not reported
Farm Residential F7:	Not reported
Other Material G3:	Not reported
Other Extern H6:	Not reported
Three Year CP Review H:	P
Other Pipe I4:	Not reported
Three Year CP Review J:	Not reported
Other External Prot Pipe J3:	Not reported
Test Date K:	2018-10-17 00:00:00
T Test 13 M3:	Not reported
TT Test Reviewed:	P
Tight Test Date 13:	2015-12-09 00:00:00
Other M11:	Not reported
Other N1D:	Not reported
LF Test Reviewed:	P
Groundwater Monitoring N2D:	Not reported
Other N2H:	Not reported
Line Tightness Testing 3YRS O1:	Not reported
Sir 15 07:	Not reported
Tank Comments:	CARDLOCK

UST:

Account number:	14287
Owner Name:	SAM T CARTER OIL COMPANY, INC.
Owner Address:	P.O. BOX 487
Owner City:	SHEFFIELD
Owner State:	AL
Owner Zip:	35660
Owner Zip 2:	Not reported

SAM T CARTER OIL COMPANY (Continued) **U001718411**

Owner Telephone:	2563830914
Owner Type 2:	P
GSA ID:	Not reported
Owner Contact Name:	ANN CARTER BUTLER
Owner Contact Telephone:	2563830914
Exempt:	Not reported

AL Financial Assurance:

Name:	SAM T CARTER OIL COMPANY
Address:	604 EAST 2ND ST & EAST 14 AVE
City,State,Zip:	SHEFFIELD, AL 35660
Account Number:	14287
Site ID Number:	1817
Facility Contact:	ANN CARTER BUTLER
Facility Contact Phone:	2563830914
Tank Number:	4
Compliance AUST 18 R1:	Not reported
Net Worth 25000 18 R1A:	Not reported
Surety 18 R1B:	Not reported
Private Insurance 18 R2A:	Not reported
Insurer 18 R2A:	Not reported
Policy Number 18 R2A:	Not reported
Guarantee 18 2RB:	Not reported
Self Insured 18 R2C:	Not reported

Name:	SAM T CARTER OIL COMPANY
Address:	604 EAST 2ND ST & EAST 14 AVE
City,State,Zip:	SHEFFIELD, AL 35660
Account Number:	14287
Site ID Number:	1817
Facility Contact:	ANN CARTER BUTLER
Facility Contact Phone:	2563830914
Tank Number:	8
Compliance AUST 18 R1:	Not reported
Net Worth 25000 18 R1A:	Not reported
Surety 18 R1B:	Not reported
Private Insurance 18 R2A:	Not reported
Insurer 18 R2A:	Not reported
Policy Number 18 R2A:	Not reported
Guarantee 18 2RB:	Not reported
Self Insured 18 R2C:	Not reported

Name:	SAM T CARTER OIL COMPANY
Address:	604 EAST 2ND ST & EAST 14 AVE
City,State,Zip:	SHEFFIELD, AL 35660
Account Number:	14287
Site ID Number:	1817
Facility Contact:	ANN CARTER BUTLER
Facility Contact Phone:	2563830914
Tank Number:	10
Compliance AUST 18 R1:	Not reported
Net Worth 25000 18 R1A:	Not reported
Surety 18 R1B:	Not reported
Private Insurance 18 R2A:	Not reported
Insurer 18 R2A:	Not reported

SAM T CARTER OIL COMPANY (Continued) **U001718411**

Policy Number 18 R2A: Not reported
Guarantee 18 2RB: Not reported
Self Insured 18 R2C: Not reported

Name: SAM T CARTER OIL COMPANY
Address: 604 EAST 2ND ST & EAST 14 AVE
City,State,Zip: SHEFFIELD, AL 35660
Account Number: 14287
Site ID Number: 1817
Facility Contact: ANN CARTER BUTLER
Facility Contact Phone: 2563830914
Tank Number: 5
Compliance AUST 18 R1: Not reported
Net Worth 25000 18 R1A: Not reported
Surety 18 R1B: Not reported
Private Insurance 18 R2A: Not reported
Insurer 18 R2A: Not reported
Policy Number 18 R2A: Not reported
Guarantee 18 2RB: Not reported
Self Insured 18 R2C: Not reported

Name: SAM T CARTER OIL COMPANY
Address: 604 EAST 2ND ST & EAST 14 AVE
City,State,Zip: SHEFFIELD, AL 35660
Account Number: 14287
Site ID Number: 1817
Facility Contact: ANN CARTER BUTLER
Facility Contact Phone: 2563830914
Tank Number: 6
Compliance AUST 18 R1: Not reported
Net Worth 25000 18 R1A: Not reported
Surety 18 R1B: Not reported
Private Insurance 18 R2A: Not reported
Insurer 18 R2A: Not reported
Policy Number 18 R2A: Not reported
Guarantee 18 2RB: Not reported
Self Insured 18 R2C: Not reported

Name: SAM T CARTER OIL COMPANY
Address: 604 EAST 2ND ST & EAST 14 AVE
City,State,Zip: SHEFFIELD, AL 35660
Account Number: 14287
Site ID Number: 1817
Facility Contact: ANN CARTER BUTLER
Facility Contact Phone: 2563830914
Tank Number: 7
Compliance AUST 18 R1: Not reported
Net Worth 25000 18 R1A: Not reported
Surety 18 R1B: Not reported
Private Insurance 18 R2A: Not reported
Insurer 18 R2A: Not reported
Policy Number 18 R2A: Not reported
Guarantee 18 2RB: Not reported
Self Insured 18 R2C: Not reported

Name: SAM T CARTER OIL COMPANY
Address: 604 EAST 2ND ST & EAST 14 AVE

SAM T CARTER OIL COMPANY (Continued) **U001718411**

City,State,Zip: SHEFFIELD, AL 35660
Account Number: 14287
Site ID Number: 1817
Facility Contact: ANN CARTER BUTLER
Facility Contact Phone: 2563830914
Tank Number: 1
Compliance AUST 18 R1: Not reported
Net Worth 25000 18 R1A: Not reported
Surety 18 R1B: Not reported
Private Insurance 18 R2A: Not reported
Insurer 18 R2A: Not reported
Policy Number 18 R2A: Not reported
Guarantee 18 2RB: Not reported
Self Insured 18 R2C: Not reported

Name: SAM T CARTER OIL COMPANY
Address: 604 EAST 2ND ST & EAST 14 AVE
City,State,Zip: SHEFFIELD, AL 35660
Account Number: 14287
Site ID Number: 1817
Facility Contact: ANN CARTER BUTLER
Facility Contact Phone: 2563830914
Tank Number: 2
Compliance AUST 18 R1: Not reported
Net Worth 25000 18 R1A: Not reported
Surety 18 R1B: Not reported
Private Insurance 18 R2A: Not reported
Insurer 18 R2A: Not reported
Policy Number 18 R2A: Not reported
Guarantee 18 2RB: Not reported
Self Insured 18 R2C: Not reported

Name: SAM T CARTER OIL COMPANY
Address: 604 EAST 2ND ST & EAST 14 AVE
City,State,Zip: SHEFFIELD, AL 35660
Account Number: 14287
Site ID Number: 1817
Facility Contact: ANN CARTER BUTLER
Facility Contact Phone: 2563830914
Tank Number: 3
Compliance AUST 18 R1: Not reported
Net Worth 25000 18 R1A: Not reported
Surety 18 R1B: Not reported
Private Insurance 18 R2A: Not reported
Insurer 18 R2A: Not reported
Policy Number 18 R2A: Not reported
Guarantee 18 2RB: Not reported
Self Insured 18 R2C: Not reported

Name: SAM T CARTER OIL COMPANY
Address: 604 EAST 2ND ST & EAST 14 AVE
City,State,Zip: SHEFFIELD, AL 35660
Account Number: 14287
Site ID Number: 1817
Facility Contact: ANN CARTER BUTLER
Facility Contact Phone: 2563830914
Tank Number: 9

SAM T CARTER OIL COMPANY (Continued) **U001718411**

Compliance AUST 18 R1:	Not reported
Net Worth 25000 18 R1A:	Not reported
Surety 18 R1B:	Not reported
Private Insurance 18 R2A:	Not reported
Insurer 18 R2A:	Not reported
Policy Number 18 R2A:	Not reported
Guarantee 18 2RB:	Not reported
Self Insured 18 R2C:	Not reported

F25 **CARTER OIL COMPANY** **LUST** **S118502739**
NE **604 EAST 2ND ST** **N/A**
1/8-1/4 **SHEFFIELD, AL**
0.245 mi.
1296 ft. **Site 3 of 4 in cluster F**

Relative: **Higher**
Actual: **507 ft.**

LUST:

Name:	CARTER OIL COMPANY
Address:	604 EAST 2ND STREET
City,State,Zip:	SHEFFIELD, AL
Facility ID:	1817
Account Number:	14287
Incident Number:	01
Searchable Incident Number:	UST161201
Cleanup Complete:	Not reported
Owner Name:	CARTER OIL COMPANY
Owner Address:	POB 487
Owner City,St,Zip:	SHEFFIELD, AL 35660
Incident Month/Yr:	12/16
Latitude:	34.759542
Longitude:	-87.691109

Name:	CARTER OIL COMPANY
Address:	604 EAST 2ND ST
City,State,Zip:	SHEFFIELD, AL
Facility ID:	1817
Account Number:	14287
Incident Number:	03
Searchable Incident Number:	UST170803
Cleanup Complete:	Not reported
Owner Name:	CARTER OIL COMPANY
Owner Address:	POB 487
Owner City,St,Zip:	SHEFFIELD, AL 35660
Incident Month/Yr:	08/17
Latitude:	34.759542
Longitude:	-87.691109

F26 **CARTER OIL COMPANY** **LUST** **S121139937**
NE **604 EAST SECOND STREET** **N/A**
1/8-1/4 **SHEFFIELD, AL**
0.245 mi.
1296 ft. **Site 4 of 4 in cluster F**

Relative: **Higher**
Actual: **507 ft.**

LUST:

Name:	CARTER OIL COMPANY
Address:	604 EAST SECOND STREET
City,State,Zip:	SHEFFIELD, AL

CARTER OIL COMPANY (Continued) **S121139937**

Facility ID:	1817
Account Number:	14287
Incident Number:	05
Searchable Incident Number:	UST170705
Cleanup Complete:	Not reported
Owner Name:	CARTER OIL COMPANY
Owner Address:	POB 487
Owner City,St,Zip:	SHEFFIELD, AL 35660
Incident Month/Yr:	07/17
Latitude:	34.759542
Longitude:	-87.691109

G27 **HOLTS SERVICE STATION** **UST** **U004229217**
SW **401 S MONTGOMERY AVE** **Financial Assurance** **N/A**
1/8-1/4 **SHEFFIELD, AL 35660**
0.248 mi.
1310 ft. **Site 1 of 4 in cluster G**

Relative:
Lower

Actual:
481 ft.

UST:

Name:	HOLTS SERVICE STATION
Address:	401 S MONTGOMERY AVE
City,State,Zip:	SHEFFIELD, AL 35660
Facility ID:	10138 33 5783
Account Number:	10138
Site ID Number:	5783
Contact Name:	BARRY BUTTRAM
Contact Phone:	2567643523
Exempt:	Not reported
Located Within Indian Lands:	Not reported
GPS Latitude:	34.755266
GPS Longitude:	-87.698652
Located Wellhead Protection:	Not reported
Cannot Locate Site:	Not reported
Abandoned Site:	Not reported
Residence Adjacent:	Not reported
Residence Within 300 ft:	Not reported
Under Dispersion Containment:	Not reported
UDC Insp. Date:	Not reported
UDC Insp. Results:	Not reported
Date Last Inspected:	2009-11-10 00:00:00

UST:

Account number:	10138
Site ID:	5783
Facility ID:	10138 33 5783
Last Usage Date:	2005-08-03
Install Date:	1968-01-01
Capacity:	1500
Compartments:	1
Unleaded Gas:	Not reported
Midgrade Gas:	Not reported
Premium Gas:	X
Diesel:	Not reported
Kerosene:	Not reported
Aviation Fuel:	Not reported
Used Oil:	Not reported
Virgin Oil:	Not reported
Local Government:	Not reported

HOLTS SERVICE STATION (Continued) **U004229217**

State and Federal:	Not reported
Steel:	X
Fiberglass and Plastic:	Not reported
Cathodic Protection:	Not reported
Field Installed Cathodic:	X
Interior Lined:	Not reported
Three Year CP Test Date:	Not reported
Bare Steel:	X
Fiberglass/Plastic:	Not reported
Flexible:	Not reported
Three Year CP Test Date:	Not reported
Catchment Basin:	X
Flow Restrictor:	Not reported
Auto Shutoff:	X
Alarm:	Not reported
ATG:	Not reported
Continuous ATG:	Not reported
Secondary:	Not reported
Vapor:	Not reported
Groundwater:	Not reported
Statistical Inv Reconciled:	X
Annual Test Date:	Not reported
Annual Line Test:	Not reported
Auto Ele Line Leak Detect:	Not reported
Line Tight Test Date:	Not reported
Vapor Monitoring:	Not reported
Sir 15:	Not reported
Interstitial W2 Cont:	Not reported
Line Tight 3 Years Test Date:	Not reported
Check Value:	X
Gravity P:	Not reported
Unique Tank Number:	923
Cannot Locate:	Not reported
Year of Last Sir Report:	Not reported
Tank Contains Gasohol (85% Ethanol):	Not reported
Tank Contains Biodiesel:	Not reported
Number Manifolds:	0
Single Walled Tank:	Not reported
Double Walled Tank:	Not reported
Steel Tank Coated W/ Fiberglass:	Not reported
Single Walled Piping:	Not reported
Double Walled Piping:	Not reported
Submersible Pump Sump Inspection Date:	1901-01-01
Tank Number:	1
Current A1:	Not reported
Temporary A2:	Not reported
Retired:	Not reported
Permanent A3:	X
Removal Date 3:	2011-12-09 00:00:00
Inert:	Not reported
Inert Date 3:	Not reported
Closed Without Assessment:	Not reported
Within Distance of Well 1:	Not reported
Other Petro E1L:	Not reported
Cercla Substance Name E2A:	Not reported
Cas Number E2B:	Not reported
Retail Tank F2:	X

HOLTS SERVICE STATION (Continued) **U004229217**

Bulk Facility Tank F3:	Not reported
Industrial Tank F4:	Not reported
Farm Residential F7:	Not reported
Other Material G3:	Not reported
Other Extern H6:	Not reported
Three Year CP Review H:	Not reported
Other Pipe I4:	Not reported
Three Year CP Review J:	Not reported
Other External Prot Pipe J3:	Not reported
Test Date K:	1901-01-01 00:00:00
T Test 13 M3:	Not reported
TT Test Reviewed:	Not reported
Tight Test Date 13:	Not reported
Other M11:	Not reported
Other N1D:	Not reported
LF Test Reviewed:	Not reported
Groundwater Monitoring N2D:	Not reported
Other N2H:	Not reported
Line Tightness Testing 3YRS O1:	Not reported
Sir 15 07:	X
Tank Comments:	Not reported

UST:

Account number:	10138
Owner Name:	ALABAMA OIL CO OF FLORENCE INC
Owner Address:	1500 VETERANS DR
Owner City:	FLORENCE
Owner State:	AL
Owner Zip:	35630
Owner Zip 2:	Not reported
Owner Telephone:	2567643523
Owner Type 2:	P
GSA ID:	Not reported
Owner Contact Name:	BARRY BUTRAM
Owner Contact Telephone:	2567643523
Exempt:	Not reported

Account number:	10138
Site ID:	5783
Facility ID:	10138 33 5783
Last Usage Date:	2005-08-03
Install Date:	1968-01-01
Capacity:	4000
Compartments:	1
Unleaded Gas:	X
Midgrade Gas:	Not reported
Premium Gas:	Not reported
Diesel:	Not reported
Kerosene:	Not reported
Aviation Fuel:	Not reported
Used Oil:	Not reported
Virgin Oil:	Not reported
Local Government:	Not reported
State and Federal:	Not reported
Steel:	X
Fiberglass and Plastic:	Not reported
Cathodic Protection:	Not reported

HOLTS SERVICE STATION (Continued) **U004229217**

Field Installed Cathodic:	X
Interior Lined:	Not reported
Three Year CP Test Date:	Not reported
Bare Steel:	X
Fiberglass/Plastic:	Not reported
Flexible:	Not reported
Three Year CP Test Date:	Not reported
Catchment Basin:	X
Flow Restrictor:	Not reported
Auto Shutoff:	X
Alarm:	Not reported
ATG:	Not reported
Continuous ATG:	Not reported
Secondary:	Not reported
Vapor:	Not reported
Groundwater:	Not reported
Statistical Inv Reconciled:	X
Annual Test Date:	Not reported
Annual Line Test:	Not reported
Auto Ele Line Leak Detect:	Not reported
Line Tight Test Date:	Not reported
Vapor Monitoring:	Not reported
Sir 15:	Not reported
Interstitial W2 Cont:	Not reported
Line Tight 3 Years Test Date:	Not reported
Check Value:	X
Gravity P:	Not reported
Unique Tank Number:	924
Cannot Locate:	Not reported
Year of Last Sir Report:	Not reported
Tank Contains Gasohol (85% Ethanol):	Not reported
Tank Contains Biodiesel:	Not reported
Number Manifolds:	0
Single Walled Tank:	Not reported
Double Walled Tank:	Not reported
Steel Tank Coated W/ Fiberglass:	Not reported
Single Walled Piping:	Not reported
Double Walled Piping:	Not reported
Submersible Pump Sump Inspection Date:	1901-01-01
Tank Number:	2
Current A1:	Not reported
Temporary A2:	Not reported
Retired:	Not reported
Permanent A3:	X
Removal Date 3:	2011-12-09 00:00:00
Inert:	Not reported
Inert Date 3:	Not reported
Closed Without Assessment:	Not reported
Within Distance of Well 1:	Not reported
Other Petro E1L:	Not reported
Cercla Substance Name E2A:	Not reported
Cas Number E2B:	Not reported
Retail Tank F2:	X
Bulk Facility Tank F3:	Not reported
Industrial Tank F4:	Not reported
Farm Residential F7:	Not reported
Other Material G3:	Not reported

HOLTS SERVICE STATION (Continued) **U004229217**

Other Extern H6:	Not reported
Three Year CP Review H:	Not reported
Other Pipe I4:	Not reported
Three Year CP Review J:	Not reported
Other External Prot Pipe J3:	Not reported
Test Date K:	1901-01-01 00:00:00
T Test 13 M3:	Not reported
TT Test Reviewed:	Not reported
Tight Test Date 13:	Not reported
Other M11:	Not reported
Other N1D:	Not reported
LF Test Reviewed:	Not reported
Groundwater Monitoring N2D:	Not reported
Other N2H:	Not reported
Line Tightness Testing 3YRS O1:	Not reported
Sir 15 07:	X
Tank Comments:	Not reported

UST:

Account number:	10138
Owner Name:	ALABAMA OIL CO OF FLORENCE INC
Owner Address:	1500 VETERANS DR
Owner City:	FLORENCE
Owner State:	AL
Owner Zip:	35630
Owner Zip 2:	Not reported
Owner Telephone:	2567643523
Owner Type 2:	P
GSA ID:	Not reported
Owner Contact Name:	BARRY BUTRAM
Owner Contact Telephone:	2567643523
Exempt:	Not reported

AL Financial Assurance:

Name:	HOLTS SERVICE STATION
Address:	401 S MONTGOMERY AVE
City,State,Zip:	SHEFFIELD, AL 35660
Account Number:	10138
Site ID Number:	5783
Facility Contact:	BARRY BUTTRAM
Facility Contact Phone:	2567643523
Tank Number:	2
Compliance AUST 18 R1:	Not reported
Net Worth 25000 18 R1A:	Not reported
Surety 18 R1B:	Not reported
Private Insurance 18 R2A:	Not reported
Insurer 18 R2A:	Not reported
Policy Number 18 R2A:	Not reported
Guarantee 18 2RB:	Not reported
Self Insured 18 R2C:	Not reported

Name:	HOLTS SERVICE STATION
Address:	401 S MONTGOMERY AVE
City,State,Zip:	SHEFFIELD, AL 35660
Account Number:	10138

HOLTS SERVICE STATION (Continued) **U004229217**

Site ID Number:	5783
Facility Contact:	BARRY BUTTRAM
Facility Contact Phone:	2567643523
Tank Number:	1
Compliance AUST 18 R1:	Not reported
Net Worth 25000 18 R1A:	Not reported
Surety 18 R1B:	Not reported
Private Insurance 18 R2A:	Not reported
Insurer 18 R2A:	Not reported
Policy Number 18 R2A:	Not reported
Guarantee 18 2RB:	Not reported
Self Insured 18 R2C:	Not reported

G28 **JOHN HOLT'S STATION (LTF-1027)** **LUST** **S104159522**
SW **401 SOUTH MONTGOMERY AVENUE** **N/A**
1/8-1/4 **SHEFFIELD, AL**
0.248 mi.
1310 ft. **Site 2 of 4 in cluster G**

Relative: **Lower**

Actual: **481 ft.**

LUST:

Name:	JOHN HOLT'S STATION (LTF-1027)
Address:	401 SOUTH MONTGOMERY AVENUE
City,State,Zip:	SHEFFIELD, AL
Facility ID:	5783
Account Number:	10138
Incident Number:	04
Searchable Incident Number:	UST030204
Cleanup Complete:	Not reported
Owner Name:	ALABAMA OIL OF FLORENCE
Owner Address:	1500 VETERAN'S PARKWAY
Owner City,St,Zip:	FLORENCE, AL 35630
Incident Month/Yr:	02/03
Latitude:	34.755266
Longitude:	-87.698652

Name:	JOHN HOLT'S STATION (LTF-1027)
Address:	401 SOUTH MONTGOMERY AVENUE
City,State,Zip:	SHEFFIELD, AL
Facility ID:	5783
Account Number:	10138
Incident Number:	13
Searchable Incident Number:	UST990913
Cleanup Complete:	Not reported
Owner Name:	ALABAMA OIL COMPANY
Owner Address:	1500 VETERAN'S DRIVE
Owner City,St,Zip:	FLORENCE, AL 35630
Incident Month/Yr:	09/99
Latitude:	34.755266
Longitude:	-87.698652

G29
WSW
1/4-1/2
0.273 mi.
1444 ft.

FORMER NELDA STEPHENSON BUICK-OLDS
320 SOUTH MONTGOMERY AVENUE
SHEFFIELD, AL

Site 3 of 4 in cluster G

LUST **S105588221**
N/A

Relative:
Lower

Actual:
480 ft.

LUST:

Name:	FORMER NELDA STEPHENSON BUICK-OLDS
Address:	320 SOUTH MONTGOMERY AVENUE
City,State,Zip:	SHEFFIELD, AL
Facility ID:	22
Account Number:	13696
Incident Number:	08
Searchable Incident Number:	UST020708
Cleanup Complete:	Yes
Owner Name:	GRADY MILLER
Owner Address:	PO BOX 872
Owner City,St,Zip:	SHEFFIELD, AL 35660
Incident Month/Yr:	07/02
Latitude:	34.754961
Longitude:	-87.698994

G30
SW
1/4-1/2
0.298 mi.
1576 ft.

TOWN PLAZA SERVICE STATION(BUCK'S)
322 S MONTGOMERY
SHEFFIELD, AL

Site 4 of 4 in cluster G

LUST **U001860452**
N/A

Relative:
Lower

Actual:
481 ft.

LUST:

Name:	TOWN PLAZA SERVICE STATION(BUCK'S)
Address:	322 S MONTGOMERY
City,State,Zip:	SHEFFIELD, AL
Facility ID:	12390
Account Number:	11379
Incident Number:	12
Searchable Incident Number:	UST920512
Cleanup Complete:	Yes
Owner Name:	SIBLEY OIL CO
Owner Address:	400 COFFEE AVE NE PO BOX 86
Owner City,St,Zip:	RUSSELLVILLE, AL 35653
Incident Month/Yr:	05/92
Latitude:	34.754702
Longitude:	-87.699036

31
NW
1/4-1/2
0.315 mi.
1661 ft.

PRIDE LAUNDRY AND CLEANER
215 RALEIGH AVENUE NORTH
SHEFFIELD, AL 35660

US BROWNFIELDS FINDS **1016457063**
N/A

Relative:
Higher

Actual:
497 ft.

US BROWNFIELDS:

Name:	PRIDE LAUNDRY AND CLEANER
Address:	215 RALEIGH AVENUE NORTH
City,State,Zip:	SHEFFIELD, AL 35660
Recipient Name:	City of Sheffield
Grant Type:	Assessment
Property Number:	Not reported
Parcel size:	.73

PRIDE LAUNDRY AND CLEANER (Continued) **1016457063**

Latitude:	34.7571214
Longitude:	-87.6998185
HCM Label:	Address Matching-House Number
Map Scale:	Not reported
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	Not reported
Datum:	North American Datum of 1983
Acres Property ID:	169463
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	27000
Assessment Funding Source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	EPA
Cleanup Funding Entity:	Not reported
Grant Type:	Hazardous
Accomplishment Type:	Phase II Environmental Assessment
Accomplishment Count:	0
Cooperative Agreement Number:	00D10713
Start Date:	03/09/2015 00:00:00
Ownership Entity:	Private
Completion Date:	05/11/2015 00:00:00
Current Owner:	Mr. Harold Johnson
Did Owner Change:	N
Cleanup Required:	N
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	N
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	N
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Y
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported

PRIDE LAUNDRY AND CLEANER (Continued) **1016457063**

No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Y
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	.73
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported

PRIDE LAUNDRY AND CLEANER (Continued) **1016457063**

Future Use: Multistory	Not reported
Media affected Bluiding Material:	Y
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	The subject property was historically occupied by dry cleaning operations from the 1920s until approximately 2008. Dry cleaning operations commonly involve the usage of general hazardous substances and/or petroleum products, which, if improperly managed and/or disposed of, can be a source of contamination. The historical waste management practices associated with the former dry cleaning operations are unknown and may be a source of subsurface contamination. Original development of the subject property occurred between 1889 and 1894 with the construction of a commercial building on the eastern portion. Occupants of the commercial building, as identified in Sanborn maps, included a grocery store and a bottling works. Two residential structures were constructed on the southern portion of the property between 1903 and 1908. By 1921, these structures were all demolished. The central-eastern portion of the site was redeveloped by 1921 with the northern portion of the current building, which was originally a steam laundry operation, and the southern portion of the current building. The southern portion of the building was originally depicted as divided into three sections which were identified as a drug store, a vacant portion, and a parking garage. By 1928, the northern portion of the current building was also identified as a dry cleaner along with the steam laundry operations, and the southern portion of the building was identified as a storefront with no specific occupants. Between 1928 and 1949, the central portion of the current building was constructed, which connected the two original portions of the building. Between 1949 and 1962, the current boiler room building associated with the dry cleaning operation was constructed on the western portion. The main building continued to operate as a steam laundry and dry cleaner until 2008. The subject property has not been occupied since approximately 2008.
Below Poverty Number:	431
Below Poverty Percent:	31.4%
Meidan Income:	1227
Meidan Income Number:	720
Meidan Income Percent:	52.5%
Vacant Housing Number:	174
Vacant Housing Percent:	23.8%
Unemployed Number:	80
Unemployed Percent:	5.8%

Name:	PRIDE LAUNDRY AND CLEANER
Address:	215 RALEIGH AVENUE NORTH
City,State,Zip:	SHEFFIELD, AL 35660
Recipient Name:	City of Sheffield
Grant Type:	Assessment
Property Number:	Not reported
Parcel size:	.73
Latitude:	34.7571214
Longitude:	-87.6998185
HCM Label:	Address Matching-House Number

PRIDE LAUNDRY AND CLEANER (Continued) **1016457063**

Map Scale:	Not reported
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	Not reported
Datum:	North American Datum of 1983
Acres Property ID:	169463
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	2850
Assessment Funding Source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	EPA
Cleanup Funding Entity:	Not reported
Grant Type:	Hazardous
Accomplishment Type:	Phase II Environmental Assessment
Accomplishment Count:	0
Cooperative Agreement Number:	00D10713
Start Date:	11/01/2014 00:00:00
Ownership Entity:	Private
Completion Date:	12/31/2014 00:00:00
Current Owner:	Mr. Harold Johnson
Did Owner Change:	N
Cleanup Required:	N
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	N
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	N
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Y
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported

PRIDE LAUNDRY AND CLEANER (Continued) **1016457063**

Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Y
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	.73
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Y
Media affected indoor air:	Not reported

PRIDE LAUNDRY AND CLEANER (Continued) **1016457063**

Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	The subject property was historically occupied by dry cleaning operations from the 1920s until approximately 2008. Dry cleaning operations commonly involve the usage of general hazardous substances and/or petroleum products, which, if improperly managed and/or disposed of, can be a source of contamination. The historical waste management practices associated with the former dry cleaning operations are unknown and may be a source of subsurface contamination. Original development of the subject property occurred between 1889 and 1894 with the construction of a commercial building on the eastern portion. Occupants of the commercial building, as identified in Sanborn maps, included a grocery store and a bottling works. Two residential structures were constructed on the southern portion of the property between 1903 and 1908. By 1921, these structures were all demolished. The central-eastern portion of the site was redeveloped by 1921 with the northern portion of the current building, which was originally a steam laundry operation, and the southern portion of the current building. The southern portion of the building was originally depicted as divided into three sections which were identified as a drug store, a vacant portion, and a parking garage. By 1928, the northern portion of the current building was also identified as a dry cleaner along with the steam laundry operations, and the southern portion of the building was identified as a storefront with no specific occupants. Between 1928 and 1949, the central portion of the current building was constructed, which connected the two original portions of the building. Between 1949 and 1962, the current boiler room building associated with the dry cleaning operation was constructed on the western portion. The main building continued to operate as a steam laundry and dry cleaner until 2008. The subject property has not been occupied since approximately 2008.
Below Poverty Number:	431
Below Poverty Percent:	31.4%
Meidan Income:	1227
Meidan Income Number:	720
Meidan Income Percent:	52.5%
Vacant Housing Number:	174
Vacant Housing Percent:	23.8%
Unemployed Number:	80
Unemployed Percent:	5.8%

Name:	PRIDE LAUNDRY AND CLEANER
Address:	215 RALEIGH AVENUE NORTH
City,State,Zip:	SHEFFIELD, AL 35660
Recipient Name:	City of Sheffield
Grant Type:	Assessment
Property Number:	Not reported
Parcel size:	.73
Latitude:	34.7571214
Longitude:	-87.6998185
HCM Label:	Address Matching-House Number
Map Scale:	Not reported
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	Not reported

PRIDE LAUNDRY AND CLEANER (Continued) **1016457063**

Datum:	North American Datum of 1983
Acres Property ID:	169463
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	3000
Assessment Funding Source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	EPA
Cleanup Funding Entity:	Not reported
Grant Type:	Hazardous
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	1
Cooperative Agreement Number:	00D10713
Start Date:	12/09/2013 00:00:00
Ownership Entity:	Private
Completion Date:	01/14/2014 00:00:00
Current Owner:	Mr. Harold Johnson
Did Owner Change:	N
Cleanup Required:	N
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	N
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	N
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Y
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported

PRIDE LAUNDRY AND CLEANER (Continued) **1016457063**

Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Y
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	.73
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Y
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported

PRIDE LAUNDRY AND CLEANER (Continued) **1016457063**

Past Use: Multistory	Not reported
Property Description:	The subject property was historically occupied by dry cleaning operations from the 1920s until approximately 2008. Dry cleaning operations commonly involve the usage of general hazardous substances and/or petroleum products, which, if improperly managed and/or disposed of, can be a source of contamination. The historical waste management practices associated with the former dry cleaning operations are unknown and may be a source of subsurface contamination. Original development of the subject property occurred between 1889 and 1894 with the construction of a commercial building on the eastern portion. Occupants of the commercial building, as identified in Sanborn maps, included a grocery store and a bottling works. Two residential structures were constructed on the southern portion of the property between 1903 and 1908. By 1921, these structures were all demolished. The central-eastern portion of the site was redeveloped by 1921 with the northern portion of the current building, which was originally a steam laundry operation, and the southern portion of the current building. The southern portion of the building was originally depicted as divided into three sections which were identified as a drug store, a vacant portion, and a parking garage. By 1928, the northern portion of the current building was also identified as a dry cleaner along with the steam laundry operations, and the southern portion of the building was identified as a storefront with no specific occupants. Between 1928 and 1949, the central portion of the current building was constructed, which connected the two original portions of the building. Between 1949 and 1962, the current boiler room building associated with the dry cleaning operation was constructed on the western portion. The main building continued to operate as a steam laundry and dry cleaner until 2008. The subject property has not been occupied since approximately 2008.
Below Poverty Number:	431
Below Poverty Percent:	31.4%
Meidan Income:	1227
Meidan Income Number:	720
Meidan Income Percent:	52.5%
Vacant Housing Number:	174
Vacant Housing Percent:	23.8%
Unemployed Number:	80
Unemployed Percent:	5.8%

FINDS:

Registry ID: 110057203958

Environmental Interest/Information System

US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

32
ENE
1/4-1/2
0.377 mi.
1993 ft.

KERR-MCGEE (124-7098) NOW BRITTON
E 2ND ST
SHEFFIELD, AL

LUST **S102231612**
N/A

Relative:
Higher

Actual:
514 ft.

LUST:

Name:	KERR-MCGEE (124-7098) NOW BRITTON
Address:	E 2ND ST
City,State,Zip:	SHEFFIELD, AL
Facility ID:	3804
Account Number:	17924
Incident Number:	27
Searchable Incident Number:	UST941027
Cleanup Complete:	Yes
Owner Name:	BRITTON OIL CO
Owner Address:	P O BOX 618
Owner City,St,Zip:	BOAZ, AL 35957
Incident Month/Yr:	10/94
Latitude:	34.759859
Longitude:	-87.688249

H33
NW
1/4-1/2
0.399 mi.
2109 ft.

SHEFFIELD TOBACCO & DELI
100 WEST 5TH ST & ALABAMA AVE
SHEFFIELD, AL 35660

Site 1 of 2 in cluster H

LUST **U004239211**
UST **N/A**
Financial Assurance

Relative:
Higher

Actual:
499 ft.

LUST:

Name:	SHEFFIELD TOBACCO & DELI
Address:	100 WEST 5TH ST & ALABAMA AVE
City,State,Zip:	SHEFFIELD, AL
Facility ID:	5765
Account Number:	24991
Incident Number:	01
Searchable Incident Number:	UST190101
Cleanup Complete:	Not reported
Owner Name:	DIPIKABEN PATEL
Owner Address:	100 WEST 5TH STREET
Owner City,St,Zip:	SHEFFIELD, AL 35660
Incident Month/Yr:	01/19
Latitude:	34.762782
Longitude:	-87.699398

UST:

Name:	SHEFFIELD TOBACCO & DELI
Address:	100 WEST 5TH ST & ALABAMA AVE
City,State,Zip:	SHEFFIELD, AL 35660
Facility ID:	24991 33 5765
Account Number:	24991
Site ID Number:	5765
Contact Name:	MR DIPIKABEN PATEL
Contact Phone:	2563353252
Exempt:	Not reported
Located Within Indian Lands:	Not reported
GPS Latitude:	34.762782
GPS Longitude:	-87.699398
Located Wellhead Protection:	Not reported
Cannot Locate Site:	Not reported

SHEFFIELD TOBACCO & DELI (Continued) **U004239211**

Abandoned Site:	Not reported
Residence Adjacent:	Not reported
Residence Within 300 ft:	X
Under Dispersion Containment:	Not reported
UDC Insp. Date:	Not reported
UDC Insp. Results:	Not reported
Date Last Inspected:	2019-01-02 00:00:00

UST:

Account number:	24991
Site ID:	5765
Facility ID:	24991 33 5765
Last Usage Date:	2003-04-30
Install Date:	1967-01-01
Capacity:	1000
Compartments:	1
Unleaded Gas:	Not reported
Midgrade Gas:	Not reported
Premium Gas:	X
Diesel:	Not reported
Kerosene:	Not reported
Aviation Fuel:	Not reported
Used Oil:	Not reported
Virgin Oil:	Not reported
Local Government:	Not reported
State and Federal:	Not reported
Steel:	X
Fiberglass and Plastic:	Not reported
Cathodic Protection:	Not reported
Field Installed Cathodic:	X
Interior Lined:	Not reported
Three Year CP Test Date:	Not reported
Bare Steel:	X
Fiberglass/Plastic:	Not reported
Flexible:	Not reported
Three Year CP Test Date:	Not reported
Catchment Basin:	X
Flow Restrictor:	Not reported
Auto Shutoff:	X
Alarm:	Not reported
ATG:	Not reported
Continuous ATG:	Not reported
Secondary:	Not reported
Vapor:	Not reported
Groundwater:	Not reported
Statistical Inv Reconciled:	X
Annual Test Date:	Not reported
Annual Line Test:	Not reported
Auto Ele Line Leak Detect:	Not reported
Line Tight Test Date:	Not reported
Vapor Monitoring:	Not reported
Sir 15:	Not reported
Interstitial W2 Cont:	Not reported
Line Tight 3 Years Test Date:	Not reported
Check Value:	X
Gravity P:	Not reported
Unique Tank Number:	919
Cannot Locate:	Not reported

SHEFFIELD TOBACCO & DELI (Continued) **U004239211**

Year of Last Sir Report:	2000
Tank Contains Gasohol (85% Ethanol):	Not reported
Tank Contains Biodiesel:	Not reported
Number Manifolds:	0
Single Walled Tank:	Not reported
Double Walled Tank:	Not reported
Steel Tank Coated W/ Fiberglass:	Not reported
Single Walled Piping:	Not reported
Double Walled Piping:	Not reported
Submersible Pump Sump Inspection Date:	1901-01-01
Tank Number:	1
Current A1:	Not reported
Temporary A2:	Not reported
Retired:	Not reported
Permanent A3:	X
Removal Date 3:	2004-03-18 00:00:00
Inert:	Not reported
Inert Date 3:	Not reported
Closed Without Assessment:	Not reported
Within Distance of Well 1:	Not reported
Other Petro E1L:	Not reported
Cercla Substance Name E2A:	Not reported
Cas Number E2B:	Not reported
Retail Tank F2:	X
Bulk Facility Tank F3:	Not reported
Industrial Tank F4:	Not reported
Farm Residential F7:	Not reported
Other Material G3:	Not reported
Other Extern H6:	Not reported
Three Year CP Review H:	Not reported
Other Pipe I4:	Not reported
Three Year CP Review J:	Not reported
Other External Prot Pipe J3:	Not reported
Test Date K:	1901-01-01 00:00:00
T Test 13 M3:	X
TT Test Reviewed:	Not reported
Tight Test Date 13:	2001-06-18 00:00:00
Other M11:	Not reported
Other N1D:	Not reported
LF Test Reviewed:	Not reported
Groundwater Monitoring N2D:	Not reported
Other N2H:	Not reported
Line Tightness Testing 3YRS O1:	Not reported
Sir 15 07:	Not reported
Tank Comments:	Not reported

UST:

Account number:	24991
Owner Name:	DIPIKABEN PATEL
Owner Address:	100 WEST 5TH STREET
Owner City:	SHEFFIELD
Owner State:	AL
Owner Zip:	35660
Owner Zip 2:	2850
Owner Telephone:	2563353252
Owner Type 2:	P
GSA ID:	Not reported
Owner Contact Name:	DIPIKABEN PATEL

SHEFFIELD TOBACCO & DELI (Continued) **U004239211**

Owner Contact Telephone:	2563353252
Exempt:	Not reported
Account number:	24991
Site ID:	5765
Facility ID:	24991 33 5765
Last Usage Date:	2003-04-30
Install Date:	1967-01-01
Capacity:	1000
Compartments:	1
Unleaded Gas:	X
Midgrade Gas:	Not reported
Premium Gas:	Not reported
Diesel:	Not reported
Kerosene:	Not reported
Aviation Fuel:	Not reported
Used Oil:	Not reported
Virgin Oil:	Not reported
Local Government:	Not reported
State and Federal:	Not reported
Steel:	X
Fiberglass and Plastic:	Not reported
Cathodic Protection:	Not reported
Field Installed Cathodic:	X
Interior Lined:	Not reported
Three Year CP Test Date:	Not reported
Bare Steel:	X
Fiberglass/Plastic:	Not reported
Flexible:	Not reported
Three Year CP Test Date:	Not reported
Catchment Basin:	X
Flow Restrictor:	Not reported
Auto Shutoff:	X
Alarm:	Not reported
ATG:	Not reported
Continuous ATG:	Not reported
Secondary:	Not reported
Vapor:	Not reported
Groundwater:	Not reported
Statistical Inv Reconciled:	X
Annual Test Date:	Not reported
Annual Line Test:	Not reported
Auto Ele Line Leak Detect:	Not reported
Line Tight Test Date:	Not reported
Vapor Monitoring:	Not reported
Sir 15:	Not reported
Interstitial W2 Cont:	Not reported
Line Tight 3 Years Test Date:	Not reported
Check Value:	X
Gravity P:	Not reported
Unique Tank Number:	920
Cannot Locate:	Not reported
Year of Last Sir Report:	2000
Tank Contains Gasohol (85% Ethanol):	Not reported
Tank Contains Biodiesel:	Not reported
Number Manifolds:	0

SHEFFIELD TOBACCO & DELI (Continued) **U004239211**

Single Walled Tank:	Not reported
Double Walled Tank:	Not reported
Steel Tank Coated W/ Fiberglass:	Not reported
Single Walled Piping:	Not reported
Double Walled Piping:	Not reported
Submersible Pump Sump Inspection Date:	1901-01-01
Tank Number:	2
Current A1:	Not reported
Temporary A2:	Not reported
Retired:	Not reported
Permanent A3:	X
Removal Date 3:	2004-03-18 00:00:00
Inert:	Not reported
Inert Date 3:	Not reported
Closed Without Assessment:	Not reported
Within Distance of Well 1:	Not reported
Other Petro E1L:	Not reported
Cercla Substance Name E2A:	Not reported
Cas Number E2B:	Not reported
Retail Tank F2:	X
Bulk Facility Tank F3:	Not reported
Industrial Tank F4:	Not reported
Farm Residential F7:	Not reported
Other Material G3:	Not reported
Other Extern H6:	Not reported
Three Year CP Review H:	Not reported
Other Pipe I4:	Not reported
Three Year CP Review J:	Not reported
Other External Prot Pipe J3:	Not reported
Test Date K:	1901-01-01 00:00:00
T Test 13 M3:	X
TT Test Reviewed:	Not reported
Tight Test Date 13:	2001-06-18 00:00:00
Other M11:	Not reported
Other N1D:	Not reported
LF Test Reviewed:	Not reported
Groundwater Monitoring N2D:	Not reported
Other N2H:	Not reported
Line Tightness Testing 3YRS O1:	Not reported
Sir 15 07:	Not reported
Tank Comments:	Not reported

UST:

Account number:	24991
Owner Name:	DIPIKABEN PATEL
Owner Address:	100 WEST 5TH STREET
Owner City:	SHEFFIELD
Owner State:	AL
Owner Zip:	35660
Owner Zip 2:	2850
Owner Telephone:	2563353252
Owner Type 2:	P
GSA ID:	Not reported
Owner Contact Name:	DIPIKABEN PATEL
Owner Contact Telephone:	2563353252
Exempt:	Not reported

SHEFFIELD TOBACCO & DELI (Continued) **U004239211**

Account number:	24991
Site ID:	5765
Facility ID:	24991 33 5765
Last Usage Date:	2003-04-30
Install Date:	1971-01-01
Capacity:	1000
Compartments:	1
Unleaded Gas:	Not reported
Midgrade Gas:	Not reported
Premium Gas:	Not reported
Diesel:	Not reported
Kerosene:	X
Aviation Fuel:	Not reported
Used Oil:	Not reported
Virgin Oil:	Not reported
Local Government:	Not reported
State and Federal:	Not reported
Steel:	X
Fiberglass and Plastic:	Not reported
Cathodic Protection:	Not reported
Field Installed Cathodic:	Not reported
Interior Lined:	Not reported
Three Year CP Test Date:	Not reported
Bare Steel:	X
Fiberglass/Plastic:	Not reported
Flexible:	Not reported
Three Year CP Test Date:	Not reported
Catchment Basin:	X
Flow Restrictor:	Not reported
Auto Shutoff:	X
Alarm:	Not reported
ATG:	Not reported
Continuous ATG:	Not reported
Secondary:	Not reported
Vapor:	Not reported
Groundwater:	Not reported
Statistical Inv Reconciled:	X
Annual Test Date:	Not reported
Annual Line Test:	Not reported
Auto Ele Line Leak Detect:	Not reported
Line Tight Test Date:	Not reported
Vapor Monitoring:	Not reported
Sir 15:	Not reported
Interstitial W2 Cont:	Not reported
Line Tight 3 Years Test Date:	Not reported
Check Value:	X
Gravity P:	Not reported
Unique Tank Number:	921
Cannot Locate:	Not reported
Year of Last Sir Report:	2000
Tank Contains Gasohol (85% Ethanol):	Not reported
Tank Contains Biodiesel:	Not reported
Number Manifolds:	0
Single Walled Tank:	Not reported
Double Walled Tank:	Not reported
Steel Tank Coated W/ Fiberglass:	Not reported
Single Walled Piping:	Not reported

SHEFFIELD TOBACCO & DELI (Continued) **U004239211**

Double Walled Piping:	Not reported
Submersible Pump Sump Inspection Date:	1901-01-01
Tank Number:	3
Current A1:	Not reported
Temporary A2:	Not reported
Retired:	Not reported
Permanent A3:	X
Removal Date 3:	2004-03-18 00:00:00
Inert:	Not reported
Inert Date 3:	Not reported
Closed Without Assessment:	Not reported
Within Distance of Well 1:	Not reported
Other Petro E1L:	Not reported
Cercla Substance Name E2A:	Not reported
Cas Number E2B:	Not reported
Retail Tank F2:	X
Bulk Facility Tank F3:	Not reported
Industrial Tank F4:	Not reported
Farm Residential F7:	Not reported
Other Material G3:	Not reported
Other Extern H6:	Not reported
Three Year CP Review H:	Not reported
Other Pipe I4:	NO CP
Three Year CP Review J:	Not reported
Other External Prot Pipe J3:	NO CP
Test Date K:	1901-01-01 00:00:00
T Test 13 M3:	X
TT Test Reviewed:	Not reported
Tight Test Date 13:	2001-06-18 00:00:00
Other M11:	Not reported
Other N1D:	Not reported
LF Test Reviewed:	Not reported
Groundwater Monitoring N2D:	Not reported
Other N2H:	Not reported
Line Tightness Testing 3YRS O1:	Not reported
Sir 15 07:	Not reported
Tank Comments:	Not reported

UST:

Account number:	24991
Owner Name:	DIPIKABEN PATEL
Owner Address:	100 WEST 5TH STREET
Owner City:	SHEFFIELD
Owner State:	AL
Owner Zip:	35660
Owner Zip 2:	2850
Owner Telephone:	2563353252
Owner Type 2:	P
GSA ID:	Not reported
Owner Contact Name:	DIPIKABEN PATEL
Owner Contact Telephone:	2563353252
Exempt:	Not reported

Account number:	24991
Site ID:	5765
Facility ID:	24991 33 5765
Last Usage Date:	2003-04-30

SHEFFIELD TOBACCO & DELI (Continued) **U004239211**

Install Date:	1971-01-01
Capacity:	1000
Compartments:	1
Unleaded Gas:	X
Midgrade Gas:	Not reported
Premium Gas:	Not reported
Diesel:	Not reported
Kerosene:	Not reported
Aviation Fuel:	Not reported
Used Oil:	Not reported
Virgin Oil:	Not reported
Local Government:	Not reported
State and Federal:	Not reported
Steel:	X
Fiberglass and Plastic:	Not reported
Cathodic Protection:	Not reported
Field Installed Cathodic:	X
Interior Lined:	Not reported
Three Year CP Test Date:	Not reported
Bare Steel:	X
Fiberglass/Plastic:	Not reported
Flexible:	Not reported
Three Year CP Test Date:	Not reported
Catchment Basin:	X
Flow Restrictor:	Not reported
Auto Shutoff:	X
Alarm:	Not reported
ATG:	Not reported
Continuous ATG:	Not reported
Secondary:	Not reported
Vapor:	Not reported
Groundwater:	Not reported
Statistical Inv Reconciled:	Not reported
Annual Test Date:	Not reported
Annual Line Test:	X
Auto Ele Line Leak Detect:	Not reported
Line Tight Test Date:	1993-09-21
Vapor Monitoring:	Not reported
Sir 15:	Not reported
Interstitial W2 Cont:	Not reported
Line Tight 3 Years Test Date:	Not reported
Check Value:	X
Gravity P:	Not reported
Unique Tank Number:	922
Cannot Locate:	Not reported
Year of Last Sir Report:	Not reported
Tank Contains Gasohol (85% Ethanol):	Not reported
Tank Contains Biodiesel:	Not reported
Number Manifolds:	0
Single Walled Tank:	Not reported
Double Walled Tank:	Not reported
Steel Tank Coated W/ Fiberglass:	Not reported
Single Walled Piping:	Not reported
Double Walled Piping:	Not reported
Submersible Pump Sump Inspection Date:	1901-01-01
Tank Number:	4
Current A1:	Not reported

SHEFFIELD TOBACCO & DELI (Continued) **U004239211**

Temporary A2:	Not reported
Retired:	Not reported
Permanent A3:	X
Removal Date 3:	2004-03-18 00:00:00
Inert:	Not reported
Inert Date 3:	Not reported
Closed Without Assessment:	Not reported
Within Distance of Well 1:	Not reported
Other Petro E1L:	Not reported
Cercla Substance Name E2A:	Not reported
Cas Number E2B:	Not reported
Retail Tank F2:	X
Bulk Facility Tank F3:	Not reported
Industrial Tank F4:	Not reported
Farm Residential F7:	Not reported
Other Material G3:	Not reported
Other Extern H6:	Not reported
Three Year CP Review H:	Not reported
Other Pipe I4:	Not reported
Three Year CP Review J:	Not reported
Other External Prot Pipe J3:	Not reported
Test Date K:	1901-01-01 00:00:00
T Test 13 M3:	X
TT Test Reviewed:	Not reported
Tight Test Date 13:	1998-11-19 00:00:00
Other M11:	Not reported
Other N1D:	Not reported
LF Test Reviewed:	Not reported
Groundwater Monitoring N2D:	Not reported
Other N2H:	Not reported
Line Tightness Testing 3YRS O1:	Not reported
Sir 15 07:	Not reported
Tank Comments:	Not reported

UST:

Account number:	24991
Owner Name:	DIPIKABEN PATEL
Owner Address:	100 WEST 5TH STREET
Owner City:	SHEFFIELD
Owner State:	AL
Owner Zip:	35660
Owner Zip 2:	2850
Owner Telephone:	2563353252
Owner Type 2:	P
GSA ID:	Not reported
Owner Contact Name:	DIPIKABEN PATEL
Owner Contact Telephone:	2563353252
Exempt:	Not reported

Account number:	24991
Site ID:	5765
Facility ID:	24991 33 5765
Last Usage Date:	Not reported
Install Date:	2016-06-14
Capacity:	10000
Compartments:	1
Unleaded Gas:	X

SHEFFIELD TOBACCO & DELI (Continued) **U004239211**

Midgrade Gas:	Not reported
Premium Gas:	Not reported
Diesel:	Not reported
Kerosene:	Not reported
Aviation Fuel:	Not reported
Used Oil:	Not reported
Virgin Oil:	Not reported
Local Government:	Not reported
State and Federal:	Not reported
Steel:	Not reported
Fiberglass and Plastic:	Not reported
Cathodic Protection:	Not reported
Field Installed Cathodic:	Not reported
Interior Lined:	Not reported
Three Year CP Test Date:	Not reported
Bare Steel:	Not reported
Fiberglass/Plastic:	X
Flexible:	Not reported
Three Year CP Test Date:	Not reported
Catchment Basin:	X
Flow Restrictor:	Not reported
Auto Shutoff:	X
Alarm:	Not reported
ATG:	Not reported
Continuous ATG:	Not reported
Secondary:	X
Vapor:	Not reported
Groundwater:	Not reported
Statistical Inv Reconciled:	Not reported
Annual Test Date:	Not reported
Annual Line Test:	Not reported
Auto Ele Line Leak Detect:	Not reported
Line Tight Test Date:	Not reported
Vapor Monitoring:	Not reported
Sir 15:	Not reported
Interstitial W2 Cont:	X
Line Tight 3 Years Test Date:	Not reported
Check Value:	Not reported
Gravity P:	Not reported
Unique Tank Number:	52535
Cannot Locate:	Not reported
Year of Last Sir Report:	Not reported
Tank Contains Gasohol (85% Ethanol):	Not reported
Tank Contains Biodiesel:	Not reported
Number Manifolds:	0
Single Walled Tank:	Not reported
Double Walled Tank:	X
Steel Tank Coated W/ Fiberglass:	X
Single Walled Piping:	Not reported
Double Walled Piping:	X
Submersible Pump Sump Inspection Date:	Not reported
Tank Number:	5
Current A1:	X
Temporary A2:	Not reported
Retired:	Not reported
Permanent A3:	Not reported
Removal Date 3:	Not reported

SHEFFIELD TOBACCO & DELI (Continued) **U004239211**

Inert:	Not reported
Inert Date 3:	Not reported
Closed Without Assessment:	Not reported
Within Distance of Well 1:	Not reported
Other Petro E1L:	Not reported
Cercla Substance Name E2A:	Not reported
Cas Number E2B:	Not reported
Retail Tank F2:	X
Bulk Facility Tank F3:	Not reported
Industrial Tank F4:	Not reported
Farm Residential F7:	Not reported
Other Material G3:	Not reported
Other Extern H6:	Not reported
Three Year CP Review H:	Not reported
Other Pipe I4:	Not reported
Three Year CP Review J:	Not reported
Other External Prot Pipe J3:	Not reported
Test Date K:	2019-02-04 00:00:00
T Test 13 M3:	Not reported
TT Test Reviewed:	Not reported
Tight Test Date 13:	Not reported
Other M11:	Not reported
Other N1D:	Not reported
LF Test Reviewed:	Not reported
Groundwater Monitoring N2D:	Not reported
Other N2H:	INT REQ
Line Tightness Testing 3YRS O1:	Not reported
Sir 15 07:	Not reported
Tank Comments:	701-G-074 DUAL PT, VR 350, SUNSTATES OIL

UST:

Account number:	24991
Owner Name:	DIPIKABEN PATEL
Owner Address:	100 WEST 5TH STREET
Owner City:	SHEFFIELD
Owner State:	AL
Owner Zip:	35660
Owner Zip 2:	2850
Owner Telephone:	2563353252
Owner Type 2:	P
GSA ID:	Not reported
Owner Contact Name:	DIPIKABEN PATEL
Owner Contact Telephone:	2563353252
Exempt:	Not reported

Account number:	24991
Site ID:	5765
Facility ID:	24991 33 5765
Last Usage Date:	Not reported
Install Date:	2016-06-14
Capacity:	8000
Compartments:	2
Unleaded Gas:	Not reported
Midgrade Gas:	Not reported
Premium Gas:	X
Diesel:	Not reported
Kerosene:	Not reported

SHEFFIELD TOBACCO & DELI (Continued) **U004239211**

Aviation Fuel:	Not reported
Used Oil:	Not reported
Virgin Oil:	Not reported
Local Government:	Not reported
State and Federal:	Not reported
Steel:	Not reported
Fiberglass and Plastic:	Not reported
Cathodic Protection:	Not reported
Field Installed Cathodic:	Not reported
Interior Lined:	Not reported
Three Year CP Test Date:	Not reported
Bare Steel:	Not reported
Fiberglass/Plastic:	X
Flexible:	Not reported
Three Year CP Test Date:	Not reported
Catchment Basin:	X
Flow Restrictor:	Not reported
Auto Shutoff:	X
Alarm:	Not reported
ATG:	Not reported
Continuous ATG:	Not reported
Secondary:	X
Vapor:	Not reported
Groundwater:	Not reported
Statistical Inv Reconciled:	Not reported
Annual Test Date:	Not reported
Annual Line Test:	Not reported
Auto Ele Line Leak Detect:	Not reported
Line Tight Test Date:	Not reported
Vapor Monitoring:	Not reported
Sir 15:	Not reported
Interstitial W2 Cont:	X
Line Tight 3 Years Test Date:	Not reported
Check Value:	Not reported
Gravity P:	Not reported
Unique Tank Number:	52537
Cannot Locate:	Not reported
Year of Last Sir Report:	Not reported
Tank Contains Gasohol (85% Ethanol):	Not reported
Tank Contains Biodiesel:	Not reported
Number Manifolds:	0
Single Walled Tank:	Not reported
Double Walled Tank:	X
Steel Tank Coated W/ Fiberglass:	X
Single Walled Piping:	Not reported
Double Walled Piping:	X
Submersible Pump Sump Inspection Date:	Not reported
Tank Number:	6
Current A1:	X
Temporary A2:	Not reported
Retired:	Not reported
Permanent A3:	Not reported
Removal Date 3:	Not reported
Inert:	Not reported
Inert Date 3:	Not reported
Closed Without Assessment:	Not reported
Within Distance of Well 1:	Not reported

SHEFFIELD TOBACCO & DELI (Continued) **U004239211**

Other Petro E1L:	NON-ETHANO
Cercla Substance Name E2A:	Not reported
Cas Number E2B:	Not reported
Retail Tank F2:	X
Bulk Facility Tank F3:	Not reported
Industrial Tank F4:	Not reported
Farm Residential F7:	Not reported
Other Material G3:	Not reported
Other Extern H6:	Not reported
Three Year CP Review H:	Not reported
Other Pipe I4:	Not reported
Three Year CP Review J:	Not reported
Other External Prot Pipe J3:	Not reported
Test Date K:	2019-02-04 00:00:00
T Test 13 M3:	Not reported
TT Test Reviewed:	Not reported
Tight Test Date 13:	Not reported
Other M11:	Not reported
Other N1D:	Not reported
LF Test Reviewed:	Not reported
Groundwater Monitoring N2D:	Not reported
Other N2H:	INT REQ
Line Tightness Testing 3YRS O1:	Not reported
Sir 15 07:	Not reported
Tank Comments:	4,000 PREM & 4,000 100%, 12/27/18 OVERFILL BY DRIVER GOT INTO SANTARY SEWER, RINSED BY FIRE, SHEFFIELD UTILITIES ON SITE DURING 1/2/19 INSPECTION

UST:

Account number:	24991
Owner Name:	DIPIKABEN PATEL
Owner Address:	100 WEST 5TH STREET
Owner City:	SHEFFIELD
Owner State:	AL
Owner Zip:	35660
Owner Zip 2:	2850
Owner Telephone:	2563353252
Owner Type 2:	P
GSA ID:	Not reported
Owner Contact Name:	DIPIKABEN PATEL
Owner Contact Telephone:	2563353252
Exempt:	Not reported

AL Financial Assurance:

Name:	SHEFFIELD TOBACCO & DELI
Address:	100 WEST 5TH ST & ALABAMA AVE
City,State,Zip:	SHEFFIELD, AL 35660
Account Number:	24991
Site ID Number:	5765
Facility Contact:	MR DIPIKABEN PATEL
Facility Contact Phone:	2563353252
Tank Number:	4
Compliance AUST 18 R1:	Not reported
Net Worth 25000 18 R1A:	Not reported
Surety 18 R1B:	Not reported

SHEFFIELD TOBACCO & DELI (Continued) **U004239211**

Private Insurance 18 R2A: Not reported
Insurer 18 R2A: Not reported
Policy Number 18 R2A: Not reported
Guarantee 18 2RB: Not reported
Self Insured 18 R2C: Not reported

Name: SHEFFIELD TOBACCO & DELI
Address: 100 WEST 5TH ST & ALABAMA AVE
City,State,Zip: SHEFFIELD, AL 35660
Account Number: 24991
Site ID Number: 5765
Facility Contact: MR DIPIKABEN PATEL
Facility Contact Phone: 2563353252
Tank Number: 2
Compliance AUST 18 R1: Not reported
Net Worth 25000 18 R1A: Not reported
Surety 18 R1B: Not reported
Private Insurance 18 R2A: Not reported
Insurer 18 R2A: Not reported
Policy Number 18 R2A: Not reported
Guarantee 18 2RB: Not reported
Self Insured 18 R2C: Not reported

Name: SHEFFIELD TOBACCO & DELI
Address: 100 WEST 5TH ST & ALABAMA AVE
City,State,Zip: SHEFFIELD, AL 35660
Account Number: 24991
Site ID Number: 5765
Facility Contact: MR DIPIKABEN PATEL
Facility Contact Phone: 2563353252
Tank Number: 3
Compliance AUST 18 R1: Not reported
Net Worth 25000 18 R1A: Not reported
Surety 18 R1B: Not reported
Private Insurance 18 R2A: Not reported
Insurer 18 R2A: Not reported
Policy Number 18 R2A: Not reported
Guarantee 18 2RB: Not reported
Self Insured 18 R2C: Not reported

Name: SHEFFIELD TOBACCO & DELI
Address: 100 WEST 5TH ST & ALABAMA AVE
City,State,Zip: SHEFFIELD, AL 35660
Account Number: 24991
Site ID Number: 5765
Facility Contact: MR DIPIKABEN PATEL
Facility Contact Phone: 2563353252
Tank Number: 5
Compliance AUST 18 R1: Not reported
Net Worth 25000 18 R1A: Not reported
Surety 18 R1B: Not reported
Private Insurance 18 R2A: Not reported
Insurer 18 R2A: Not reported
Policy Number 18 R2A: Not reported
Guarantee 18 2RB: Not reported
Self Insured 18 R2C: Not reported

SHEFFIELD TOBACCO & DELI (Continued) **U004239211**

Name:	SHEFFIELD TOBACCO & DELI
Address:	100 WEST 5TH ST & ALABAMA AVE
City,State,Zip:	SHEFFIELD, AL 35660
Account Number:	24991
Site ID Number:	5765
Facility Contact:	MR DIPIKABEN PATEL
Facility Contact Phone:	2563353252
Tank Number:	6
Compliance AUST 18 R1:	Not reported
Net Worth 25000 18 R1A:	Not reported
Surety 18 R1B:	Not reported
Private Insurance 18 R2A:	Not reported
Insurer 18 R2A:	Not reported
Policy Number 18 R2A:	Not reported
Guarantee 18 2RB:	Not reported
Self Insured 18 R2C:	Not reported

Name:	SHEFFIELD TOBACCO & DELI
Address:	100 WEST 5TH ST & ALABAMA AVE
City,State,Zip:	SHEFFIELD, AL 35660
Account Number:	24991
Site ID Number:	5765
Facility Contact:	MR DIPIKABEN PATEL
Facility Contact Phone:	2563353252
Tank Number:	1
Compliance AUST 18 R1:	Not reported
Net Worth 25000 18 R1A:	Not reported
Surety 18 R1B:	Not reported
Private Insurance 18 R2A:	Not reported
Insurer 18 R2A:	Not reported
Policy Number 18 R2A:	Not reported
Guarantee 18 2RB:	Not reported
Self Insured 18 R2C:	Not reported

H34 **PENNYS MARKET (JAN'S MARKET)** **LUST** **U001715129**
NW **100 W 5TH ST** **N/A**
1/4-1/2 **SHEFFIELD, AL**
0.399 mi.
2109 ft. **Site 2 of 2 in cluster H**

Relative: LUST:
Higher

Name:	PENNYS MARKET (JAN'S MARKET)
Address:	100 W 5TH ST
City,State,Zip:	SHEFFIELD, AL
Facility ID:	5765
Account Number:	20874
Incident Number:	02
Searchable Incident Number:	UST040702
Cleanup Complete:	Yes
Owner Name:	MARGARET M MCCLOY ET AL (AM MULLEN,
Owner Address:	2125 ARLINGTON BVLD
Owner City,St,Zip:	FLORENCE, AL 35630
Incident Month/Yr:	07/04
Latitude:	34.762782
Longitude:	-87.699398

Actual:
499 ft.

35 WNW 1/4-1/2 0.422 mi. 2230 ft. | **FORMER PAPER AND CHEMICAL COMPANY**
201 FRANKFORT AVENUE
SHEFFIELD, AL 35660 | **US BROWNFIELDS** | **1017428223**
N/A

Relative: Higher

Actual: 497 ft.

US BROWNFIELDS:

Name:	FORMER PAPER AND CHEMICAL COMPANY
Address:	201 FRANKFORT AVENUE
City,State,Zip:	SHEFFIELD, AL 35660
Recipient Name:	City of Sheffield
Grant Type:	Assessment
Property Number:	Not reported
Parcel size:	.41
Latitude:	34.7598321
Longitude:	-87.70190709999997
HCM Label:	Address Matching-House Number
Map Scale:	Not reported
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	Not reported
Datum:	North American Datum of 1983
Acres Property ID:	175362
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	24000
Assessment Funding Source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	EPA
Cleanup Funding Entity:	Not reported
Grant Type:	Hazardous & Petroleum
Accomplishment Type:	Phase II Environmental Assessment
Accomplishment Count:	0
Cooperative Agreement Number:	00D10713
Start Date:	10/01/2015 00:00:00
Ownership Entity:	Not reported
Completion Date:	11/04/2015 00:00:00
Current Owner:	Joe Hutchins
Did Owner Change:	N
Cleanup Required:	N
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	N
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported

FORMER PAPER AND CHEMICAL COMPANY (Continued) **1017428223**

Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	.41
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported

FORMER PAPER AND CHEMICAL COMPANY (Continued) **1017428223**

Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Number of Parcels and Acreage - Three parcels (two in the northwest, one in the southeast) totaling 0.82 acres. Number of Building(s) and Square Footage - Two interconnected warehouse buildings (appear as one structure) with a mezzanine level totaling 17,723 square feet, located on the southeastern parcel. Current Property Use - Northwestern parcels are used for a parking lot (vacant land) and the southeastern parcel is occupied by a cabinet assembly company. The subject property was initially developed prior to 1889 with three mixed use storefronts with second-story residences in the southeastern parcel along Frankfort Avenue. Four adjoining residential structures were constructed on the northwestern parcels along West 3rd Street (formerly C Street) between 1903 and 1908. By 1921, an addition was made to the three southeastern storefronts to create the Phillip Olim & Company Wholesale warehouse. The warehouse was demolished and the southeastern parcel was redeveloped with the northern portion of the current building between 1921 and 1928. Based on the 1928 Sanborn map, the warehouse was occupied by a wholesale grocers shop. Two storefronts and a residence were added to the southern portion of the southeastern parcel between 1949 and 1962. PM was unable to document occupancy of the warehouse from 1928 to 1962, however based on the layout of the building, it was likely used for general warehousing operations. The storefronts and residence were demolished in 1963 and the southern portion of the current warehouse constructed in 1964. The four adjoining residences on the northwest parcels were demolished between 1963 and 1970. The northwest parcels have been vacant land used as a parking lot since that time. The warehouse was occupied by a paper and chemical supply distribution company from approximately 1930 to 2004. The warehouse was then vacant until 2012 when Barclay Enterprises began utilizing the building for cabinet assembly operations.
Below Poverty Number:	347
Below Poverty Percent:	31.6%
Meidan Income:	4297
Meidan Income Number:	583
Meidan Income Percent:	53.0%
Vacant Housing Number:	126
Vacant Housing Percent:	22.3%
Unemployed Number:	67

FORMER PAPER AND CHEMICAL COMPANY (Continued) **1017428223**

Unemployed Percent:	6.1%
Name:	FORMER PAPER AND CHEMICAL COMPANY
Address:	201 FRANKFORT AVENUE
City,State,Zip:	SHEFFIELD, AL 35660
Recipient Name:	City of Sheffield
Grant Type:	Assessment
Property Number:	Not reported
Parcel size:	.41
Latitude:	34.7598321
Longitude:	-87.70190709999997
HCM Label:	Address Matching-House Number
Map Scale:	Not reported
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	Not reported
Datum:	North American Datum of 1983
Acres Property ID:	175362
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	3000
Assessment Funding Source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	EPA
Cleanup Funding Entity:	Not reported
Grant Type:	Hazardous & Petroleum
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	1
Cooperative Agreement Number:	00D10713
Start Date:	07/07/2014 00:00:00
Ownership Entity:	Not reported
Completion Date:	08/11/2014 00:00:00
Current Owner:	Joe Hutchins
Did Owner Change:	N
Cleanup Required:	N
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	N
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported

FORMER PAPER AND CHEMICAL COMPANY (Continued) **1017428223**

Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	.41
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported

FORMER PAPER AND CHEMICAL COMPANY (Continued) **1017428223**

Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Number of Parcels and Acreage - Three parcels (two in the northwest, one in the southeast) totaling 0.82 acres. Number of Building(s) and Square Footage - Two interconnected warehouse buildings (appear as one structure) with a mezzanine level totaling 17,723 square feet, located on the southeastern parcel. Current Property Use - Northwestern parcels are used for a parking lot (vacant land) and the southeastern parcel is occupied by a cabinet assembly company. The subject property was initially developed prior to 1889 with three mixed use storefronts with second-story residences in the southeastern parcel along Frankfort Avenue. Four adjoining residential structures were constructed on the northwestern parcels along West 3rd Street (formerly C Street) between 1903 and 1908. By 1921, an addition was made to the three southeastern storefronts to create the Phillip Olim & Company Wholesale warehouse. The warehouse was demolished and the southeastern parcel was redeveloped with the northern portion of the current building between 1921 and 1928. Based on the 1928 Sanborn map, the warehouse was occupied by a wholesale grocers shop. Two storefronts and a residence were added to the southern portion of the southeastern parcel between 1949 and 1962. PM was unable to document occupancy of the warehouse from 1928 to 1962, however based on the layout of the building, it was likely used for general warehousing operations. The storefronts and residence were demolished in 1963 and the southern portion of the current warehouse constructed in 1964. The four adjoining residences on the northwest parcels were demolished between 1963 and 1970. The northwest parcels have been vacant land used as a parking lot since that time. The warehouse was occupied by a paper and chemical supply distribution company from approximately 1930 to 2004. The warehouse was then vacant until 2012 when Barclay Enterprises began utilizing the building for cabinet assembly operations.
Below Poverty Number:	347
Below Poverty Percent:	31.6%
Meidan Income:	4297
Meidan Income Number:	583
Meidan Income Percent:	53.0%
Vacant Housing Number:	126
Vacant Housing Percent:	22.3%
Unemployed Number:	67
Unemployed Percent:	6.1%

36
NNW
1/4-1/2
0.464 mi.
2450 ft.

SHEFFIELD POLICE DEPARTMENT
600 N MONTGOMERY AVE.
SHEFFIELD, AL

LUST **S104240414**
N/A

Relative:
Higher

Actual:
512 ft.

LUST:

Name:	SHEFFIELD POLICE DEPARTMENT
Address:	600 N MONTGOMERY AVE.
City,State,Zip:	SHEFFIELD, AL
Facility ID:	1797
Account Number:	11076
Incident Number:	33
Searchable Incident Number:	UST990933
Cleanup Complete:	Yes
Owner Name:	CITY OF SHEFFIELD
Owner Address:	600 N. MONTOMERY AVENUE
Owner City,St,Zip:	SHEFFIELD, AL 3566O
Incident Month/Yr:	09/99
Latitude:	34.764569
Longitude:	-87.698497

37
NNW
1/4-1/2
0.499 mi.
2637 ft.

MARLEY FLOORS (USA) INC
200 WEST 6TH STREET
MUSCLE SHOALS, AL 35660

SEMS-ARCHIVE **1000163411**
RCRA NonGen / NLR **ALD004002655**

Relative:
Higher

Actual:
500 ft.

SEMS Archive:

Site ID:	0404294
EPA ID:	ALD004002655
Cong District:	05
FIPS Code:	01033
FF:	N
NPL:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:

Region:	04
Site ID:	0404294
EPA ID:	ALD004002655
Site Name:	ROBBIN TIRE & RUBBER CO.
NPL:	N
FF:	N
OU:	00
Action Code:	SI
Action Name:	SI
SEQ:	1
Start Date:	Not reported
Finish Date:	1989-08-25 04:00:00
Qual:	N
Current Action Lead:	St Perf

Region:	04
Site ID:	0404294
EPA ID:	ALD004002655
Site Name:	ROBBIN TIRE & RUBBER CO.
NPL:	N
FF:	N
OU:	00

MARLEY FLOORS (USA) INC (Continued) **1000163411**

Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	1989-08-25 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse
Region:	04
Site ID:	0404294
EPA ID:	ALD004002655
Site Name:	ROBBIN TIRE & RUBBER CO.
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	Not reported
Finish Date:	1987-09-15 04:00:00
Qual:	L
Current Action Lead:	St Perf
Region:	04
Site ID:	0404294
EPA ID:	ALD004002655
Site Name:	ROBBIN TIRE & RUBBER CO.
NPL:	N
FF:	N
OU:	00
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1986-07-16 04:00:00
Finish Date:	1986-07-16 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf

RCRA NonGen / NLR:

Date form received by agency:	2001-07-17 00:00:00.0
Facility name:	MARLEY FLOORS (USA) INC
Facility address:	200 WEST 6TH STREET MUSCLE SHOALS, AL 35660
EPA ID:	ALD004002655
Mailing address:	P O BOX 553 TUSCUMBIA, AL 35674
Contact:	DON BLAZER
Contact address:	P O BOX 553 TUSCUMBIA, AL 35674
Contact country:	US
Contact telephone:	256-383-7474
Contact email:	Not reported
EPA Region:	04
Land type:	Private
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

MARLEY FLOORS (USA) INC (Continued) **1000163411**

Owner/Operator Summary:

Owner/operator name:	OPERNAME
Owner/operator address:	OPERSTREET
	OPERCITY, WY 99999
Owner/operator country:	Not reported
Owner/operator telephone:	404-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	MARLEY FLOORS USA INC
Owner/operator address:	1401 EAST SIXTH STREET
	TUSCUMBIA, AL 35674
Owner/operator country:	Not reported
Owner/operator telephone:	256-383-7474
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	1776-01-01 00:00:00.0
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	1986-11-13 00:00:00.0
Site name:	MARLEY FLOORS (USA) INC
Classification:	Small Quantity Generator

Facility Has Received Notices of Violations:

Regulation violated:	SR - 14-3-.01(2)
Area of violation:	Generators - General
Date violation determined:	1995-01-18 00:00:00.0
Date achieved compliance:	1995-04-25 00:00:00.0
Violation lead agency:	State

MARLEY FLOORS (USA) INC (Continued) **1000163411**

Enforcement action:	WRITTEN INFORMAL
Enforcement action date:	1995-03-14 00:00:00.0
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	State
Proposed penalty amount:	Not reported
Final penalty amount:	Not reported
Paid penalty amount:	Not reported

Evaluation Action Summary:

Evaluation date:	1995-04-25 00:00:00.0
Evaluation:	NON-FINANCIAL RECORD REVIEW
Area of violation:	Generators - General
Date achieved compliance:	1995-04-25 00:00:00.0
Evaluation lead agency:	State

Evaluation date:	1995-01-18 00:00:00.0
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	1995-04-25 00:00:00.0
Evaluation lead agency:	State

Count: 1 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
SHEFFIELD	S121139988	LADY ENSLEY FURNACE/OLD DUMP/FORME	SOUTHWEST OF TREATMENT PLANT R		VCP

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 10/25/2019
Date Data Arrived at EDR: 11/07/2019
Date Made Active in Reports: 11/20/2019
Number of Days to Update: 13

Source: EPA
Telephone: N/A
Last EDR Contact: 11/07/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 10/25/2019
Date Data Arrived at EDR: 11/07/2019
Date Made Active in Reports: 11/20/2019
Number of Days to Update: 13

Source: EPA
Telephone: N/A
Last EDR Contact: 12/09/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 10/25/2019
Date Data Arrived at EDR: 11/07/2019
Date Made Active in Reports: 11/20/2019
Number of Days to Update: 13

Source: EPA
Telephone: N/A
Last EDR Contact: 11/07/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 04/03/2019
Date Data Arrived at EDR: 04/05/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 10/04/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/25/2019
Date Data Arrived at EDR: 11/07/2019
Date Made Active in Reports: 11/21/2019
Number of Days to Update: 14

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 12/09/2019
Next Scheduled EDR Contact: 01/27/2020
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 10/25/2019
Date Data Arrived at EDR: 11/07/2019
Date Made Active in Reports: 11/21/2019
Number of Days to Update: 14

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 12/09/2019
Next Scheduled EDR Contact: 01/27/2020
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 06/24/2019
Date Data Arrived at EDR: 06/26/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 113

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 10/28/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/24/2019
Date Data Arrived at EDR: 06/26/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 113

Source: Environmental Protection Agency
Telephone: (404) 562-8651
Last EDR Contact: 10/28/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/24/2019
Date Data Arrived at EDR: 06/26/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 113

Source: Environmental Protection Agency
Telephone: (404) 562-8651
Last EDR Contact: 10/28/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 06/24/2019
Date Data Arrived at EDR: 06/26/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 113

Source: Environmental Protection Agency
Telephone: (404) 562-8651
Last EDR Contact: 10/28/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/24/2019
Date Data Arrived at EDR: 06/26/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 113

Source: Environmental Protection Agency
Telephone: (404) 562-8651
Last EDR Contact: 10/28/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 08/13/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 08/26/2019
Number of Days to Update: 6

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 11/07/2019
Next Scheduled EDR Contact: 02/24/2020
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 08/19/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 08/26/2019
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 11/22/2019
Next Scheduled EDR Contact: 03/09/2020
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 08/19/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 08/26/2019
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 11/22/2019
Next Scheduled EDR Contact: 03/09/2020
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 14

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

HWS DETAIL: Alabama Hazardous Substance Cleanup Fund Annual Report

The Alabama Hazardous Substance Cleanup Fund (AHSCF) was established in 1989 by act of the Alabama Legislature (Code of Alabama 1975, ?22-30A) to provide a mechanism for ADEM to investigate, remediate, and monitor hazardous substance sites. These sites may potentially endanger human health and the environment, but may not qualify to be addressed by other federal or state cleanup programs.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 03/13/2019
Date Made Active in Reports: 04/25/2019
Number of Days to Update: 43

Source: Department of Environmental Management
Telephone: 334-271-7730
Last EDR Contact: 12/03/2019
Next Scheduled EDR Contact: 03/22/2020
Data Release Frequency: Annually

SHWS: Hazardous Substance Cleanup Fund

Hazardous substance sites, which pose a threat to public health and the environment, which will be cleaned up utilizing the Hazardous Substance Cleanup Fund.

Date of Government Version: 04/17/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/19/2019
Number of Days to Update: 55

Source: Department of Environmental Management
Telephone: 334-271-7984
Last EDR Contact: 12/04/2019
Next Scheduled EDR Contact: 03/23/2020
Data Release Frequency: Annually

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: Permitted Landfills

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 03/06/2018
Date Data Arrived at EDR: 10/11/2018
Date Made Active in Reports: 10/31/2018
Number of Days to Update: 20

Source: Department of Environmental Management
Telephone: 334-271-7730
Source: Department of Environmental Management, GIS Section
Telephone: 334-271-7700
Last EDR Contact: 10/11/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: Varies

State and tribal leaking storage tank lists

LAST: List of AST Release Incidents

A listing of aboveground storage tank releases that have been reported to ADEM. These are primarily smaller retail ASTs and smaller bulk plant ASTs.

Date of Government Version: 09/04/2019
Date Data Arrived at EDR: 09/25/2019
Date Made Active in Reports: 11/22/2019
Number of Days to Update: 58

Source: Department of Environmental Management
Telephone: 334-271-7712
Last EDR Contact: 09/19/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Varies

LUST: Leaking Underground Storage Tank Listing
Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 09/04/2019
Date Data Arrived at EDR: 09/24/2019
Date Made Active in Reports: 11/21/2019
Number of Days to Update: 58
Source: Department of Environmental Management
Telephone: 334-270-5655
Last EDR Contact: 09/24/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 04/12/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 80
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 12/03/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/08/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 79
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 12/04/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/11/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 80
Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 12/04/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 05/02/2019
Date Data Arrived at EDR: 10/22/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 20
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 12/04/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/16/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 80
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 12/04/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 80
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 04/08/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 80

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 12/04/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 07/02/2019
Date Data Arrived at EDR: 10/16/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 8

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 12/04/2020
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 08/27/2019
Date Data Arrived at EDR: 08/28/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 75

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 10/11/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: Varies

UST: Underground Storage Tank Information
Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 06/24/2019
Date Data Arrived at EDR: 06/27/2019
Date Made Active in Reports: 08/19/2019
Number of Days to Update: 53

Source: Department of Environmental Management
Telephone: 334-270-5655
Last EDR Contact: 09/27/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

AST: Aboveground Storage Tank Sites
Aboveground storage tank locations.

Date of Government Version: 06/24/2019
Date Data Arrived at EDR: 06/27/2019
Date Made Active in Reports: 08/19/2019
Number of Days to Update: 53

Source: Department of Environmental Management
Telephone: 334-271-7926
Last EDR Contact: 09/27/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

INDIAN UST R5: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/08/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 80

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 12/04/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 04/12/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 80

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 12/03/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 05/02/2019
Date Data Arrived at EDR: 10/22/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 20

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 12/04/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 80

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 12/04/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 05/02/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 80

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 12/04/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 04/08/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 80

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 12/04/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/16/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 79

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 12/04/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/11/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 79

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 12/04/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

ENG CONTROLS: Engineering Controls Site Listing

A listing of sites with engineering controls included in the Land Division Cleanup Program Inventory listing.

Date of Government Version: 08/24/2009
Date Data Arrived at EDR: 08/26/2009
Date Made Active in Reports: 09/11/2009
Number of Days to Update: 16

Source: Department of Environmental Management
Telephone: 334-271-7735
Last EDR Contact: 12/04/2019
Next Scheduled EDR Contact: 03/23/2020
Data Release Frequency: Varies

INST CONTROL: Land Division Brownfields 128(a) Program Site Listing

Institutional Controls (ICs) are non-engineered instruments, such as administrative and/or legal controls, that help minimize the potential for human exposure to contamination and/or protect the integrity of a remedy by limiting land or resource use. There are five different types of controls. These are governmental, proprietary, enforcement tools with IC components, informational devices and unrestricted. Unrestricted- No institutional controls (unrestricted for industrial and residential use). Governmental- controls implemented and enforced by state and local governments. (zoning restrictions, ordinances, building permits, etc.). Proprietary- controls which have their basis in real property law (easements, covenants). Enforcement and Permit Tools with IC components- these controls are issued to compel land owners to limit certain site activities on both federal and private sites. Informational devices- informational tools with provide information or notification that residual or capped contamination may remain on site (deed or hazard notices).

Date of Government Version: 08/24/2009
Date Data Arrived at EDR: 08/26/2009
Date Made Active in Reports: 09/11/2009
Number of Days to Update: 16

Source: Department of Environmental Management
Telephone: 334-271-7735
Last EDR Contact: 03/14/2016
Next Scheduled EDR Contact: 06/27/2016
Data Release Frequency: Varies

AUL: Environmental Covenants

An environmental covenant is required for a site if the approved environmental response project plan places a land use control on the site because it is not being remediated to unrestricted use.

Date of Government Version: 04/24/2019
Date Data Arrived at EDR: 07/03/2019
Date Made Active in Reports: 07/08/2019
Number of Days to Update: 5

Source: Department of Environmental Management
Telephone: 334-279-3053
Last EDR Contact: 12/04/2019
Next Scheduled EDR Contact: 03/23/2020
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 09/19/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27
Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

VCP: Cleanup Program Inventory
Currently the Cleanup Inventory List contains information about sites undergoing assessment and possible cleanup under Alabama's Brownfield Redevelopment and Voluntary Cleanup Program. It also includes sites that have exited the program but were remediated to less than unrestricted levels.

Date of Government Version: 07/26/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 63
Source: Department of Environmental Management
Telephone: 334-271-7700
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Semi-Annually

State and tribal Brownfields sites

BROWNFIELDS 2: Directory of Brownfields Sites
The directory provides a brief look at sites being marketed as brownfields.

Date of Government Version: 04/01/2011
Date Data Arrived at EDR: 06/16/2011
Date Made Active in Reports: 07/26/2011
Number of Days to Update: 40
Source: Department of Environmental Management
Telephone: 334-271-7735
Last EDR Contact: 12/04/2019
Next Scheduled EDR Contact: 03/23/2020
Data Release Frequency: Varies

BROWNFIELDS: Land Division Brownfields 128(a) Program Site Listing
A listing of Brownfields activities performed by ADEM.

Date of Government Version: 07/26/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 63
Source: Department of Environmental Management
Telephone: 334-271-7735
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 06/03/2019
Date Data Arrived at EDR: 06/04/2019
Date Made Active in Reports: 08/26/2019
Number of Days to Update: 83
Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 09/19/2019
Next Scheduled EDR Contact: 12/30/2019
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: Recycling/Recovered Materials Processors Directory
A listing of recycling facilities.

Date of Government Version: 09/01/2009
Date Data Arrived at EDR: 01/22/2010
Date Made Active in Reports: 02/05/2010
Number of Days to Update: 14

Source: Department of Economic & Community Affairs
Telephone: 334-242-5336
Last EDR Contact: 10/02/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 10/28/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 10/17/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 11/01/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register
A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 06/11/2019
Date Data Arrived at EDR: 06/13/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 11/20/2019
Next Scheduled EDR Contact: 03/09/2020
Data Release Frequency: No Update Planned

AOCONCERN: Area of Concern
Property boundary of the Redstone Arsenal facility.

Date of Government Version: 09/01/2008
Date Data Arrived at EDR: 09/24/2008
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 394

Source: Department of the Army
Telephone: 256-313-3255
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: No Update Planned

CDL: Clandestine Methamphetamine Lab Sites
Clandestine methamphetamine lab locations seized by law enforcement agencies.

Date of Government Version: 12/09/2010
Date Data Arrived at EDR: 02/08/2011
Date Made Active in Reports: 02/28/2011
Number of Days to Update: 20

Source: Department of Environmental Management.
Telephone: 334-271-7700
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: Varies

US CDL: Clandestine Drug Labs
A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 06/11/2019
Date Data Arrived at EDR: 06/13/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 11/20/2019
Next Scheduled EDR Contact: 03/09/2020
Data Release Frequency: Quarterly

PFAS: PFAS Contamination Site Listing
PFAS have been widely used in numerous industrial and residential applications since the 1950a??s. Their stability and unique chemical properties produce waterproof, stain resistant, and nonstick qualities in products. They are found in some firefighting foams and a wide range of consumer products such as carpet treatments, non-stick cookware, water-resistant fabrics, food packaging materials, and personal care products.

Date of Government Version: 09/16/2019
Date Data Arrived at EDR: 09/16/2019
Date Made Active in Reports: 11/18/2019
Number of Days to Update: 63

Source: Department of Environmental Management
Telephone: 334-271-7712
Last EDR Contact: 09/16/2019
Next Scheduled EDR Contact: 12/30/2019
Data Release Frequency: Quarterly

Local Lists of Registered Storage Tanks

HIST UST: Underground Storage Tank Information
Storage tank sites removed from the UST database are added to the HIST UST database.

Date of Government Version: 06/24/2019
Date Data Arrived at EDR: 06/27/2019
Date Made Active in Reports: 08/19/2019
Number of Days to Update: 53

Source: Department of Environmental Management
Telephone: 334-271-7759
Last EDR Contact: 09/27/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Varies

Local Land Records

LIENS 2: CERCLA Lien Information
A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 10/25/2019
Date Data Arrived at EDR: 11/07/2019
Date Made Active in Reports: 11/20/2019
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 11/07/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 06/24/2019
Date Data Arrived at EDR: 06/26/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 89

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 12/06/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

SPILLS: Emergency Response Data
Incidents involving spills of oil and hazardous materials.

Date of Government Version: 09/04/2019
Date Data Arrived at EDR: 09/25/2019
Date Made Active in Reports: 11/22/2019
Number of Days to Update: 58

Source: Department of Environmental Management
Telephone: 334-394-4382
Last EDR Contact: 09/19/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Varies

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 06/24/2019
Date Data Arrived at EDR: 06/26/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 113

Source: Environmental Protection Agency
Telephone: (404) 562-8651
Last EDR Contact: 10/28/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites
The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 05/15/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 79

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 11/19/2019
Next Scheduled EDR Contact: 03/02/2020
Data Release Frequency: Varies

DOD: Department of Defense Sites
This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 10/11/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 10/07/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 12/02/2019
Next Scheduled EDR Contact: 02/24/2020
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 06/24/2019
Date Data Arrived at EDR: 06/26/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 89

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 09/24/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 10/31/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 11/08/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/21/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 198

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 09/19/2019
Next Scheduled EDR Contact: 12/30/2019
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 11/16/2018
Date Made Active in Reports: 11/21/2019
Number of Days to Update: 370

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 11/22/2019
Next Scheduled EDR Contact: 03/02/2020
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 09/30/2018
Date Data Arrived at EDR: 04/24/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 106

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 10/23/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 10/25/2019
Date Data Arrived at EDR: 11/07/2019
Date Made Active in Reports: 11/20/2019
Number of Days to Update: 13

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 12/09/2019
Next Scheduled EDR Contact: 03/16/2020
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 04/25/2019
Date Data Arrived at EDR: 05/02/2019
Date Made Active in Reports: 05/23/2019
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 10/21/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2019
Date Data Arrived at EDR: 11/07/2019
Date Made Active in Reports: 11/21/2019
Number of Days to Update: 14

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 12/09/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 03/20/2019
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 34

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 10/11/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 10/07/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 06/20/2019
Date Data Arrived at EDR: 06/20/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 49
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 12/04/2019
Next Scheduled EDR Contact: 03/16/2020
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 11/25/2019
Next Scheduled EDR Contact: 03/16/2020
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 05/24/2017
Date Data Arrived at EDR: 11/30/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 15
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 11/06/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 11/12/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/31/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 85

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 10/29/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 06/30/2019
Date Data Arrived at EDR: 07/16/2019
Date Made Active in Reports: 10/02/2019
Number of Days to Update: 78

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 10/02/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 09/28/2017
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 09/16/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 10/06/2019
Next Scheduled EDR Contact: 01/19/2020
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 08/08/2017
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 11/04/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/01/2019
Date Data Arrived at EDR: 08/21/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 82

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 11/15/2019
Next Scheduled EDR Contact: 03/02/2020
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 10/25/2019
Date Data Arrived at EDR: 11/07/2019
Date Made Active in Reports: 11/20/2019
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 12/09/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/01/2019
Date Data Arrived at EDR: 08/27/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 76

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 08/27/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Semi-Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 09/17/2019
Date Data Arrived at EDR: 09/18/2019
Date Made Active in Reports: 12/03/2019
Number of Days to Update: 76

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 12/02/2019
Next Scheduled EDR Contact: 03/16/2020
Data Release Frequency: Quarterly

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 11/22/2019
Next Scheduled EDR Contact: 03/09/2020
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 11/22/2019
Next Scheduled EDR Contact: 03/09/2020
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 09/10/2019
Date Data Arrived at EDR: 09/10/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 37

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 12/04/2019
Next Scheduled EDR Contact: 03/23/2020
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 08/12/2019
Date Data Arrived at EDR: 09/04/2019
Date Made Active in Reports: 12/03/2019
Number of Days to Update: 90

Source: EPA
Telephone: (404) 562-9900
Last EDR Contact: 12/04/2019
Next Scheduled EDR Contact: 03/16/2020
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 07/26/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 71

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 11/20/2019
Next Scheduled EDR Contact: 03/09/2020
Data Release Frequency: Varies

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 01/17/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 74

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 10/10/2019
Next Scheduled EDR Contact: 01/27/2020
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 07/06/2019
Date Data Arrived at EDR: 07/09/2019
Date Made Active in Reports: 10/02/2019
Number of Days to Update: 85

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 10/08/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: Quarterly

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 08/19/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 83

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 11/19/2019
Next Scheduled EDR Contact: 03/02/2020
Data Release Frequency: Quarterly

COAL ASH: Coal Ash Disposal Sites

A listing of coal ash disposal site locations.

Date of Government Version: 02/02/2009
Date Data Arrived at EDR: 06/25/2009
Date Made Active in Reports: 07/17/2009
Number of Days to Update: 22

Source: Department of Environmental Management
Telephone: 334-271-7718
Last EDR Contact: 09/25/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Varies

DRYCLEANERS: Drycleaner Facility Listing
A listing of drycleaner sites in the voluntary DERTF.

Date of Government Version: 05/29/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 10/29/2019
Number of Days to Update: 70

Source: Department of Environmental Management
Telephone: 334-271-7703
Last EDR Contact: 11/07/2019
Next Scheduled EDR Contact: 02/24/2020
Data Release Frequency: Varies

Financial Assurance: Financial Assurance Information Listing
Financial assurance information for underground storage tank facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 06/24/2019
Date Data Arrived at EDR: 06/27/2019
Date Made Active in Reports: 08/19/2019
Number of Days to Update: 53

Source: Department of Environmental Management
Telephone: 334-271-7759
Last EDR Contact: 09/27/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

NPDES: NPDES Permit Listing
A listing of municipal and industrial permits issued by the Department of Environmental Management.

Date of Government Version: 04/05/2012
Date Data Arrived at EDR: 04/06/2012
Date Made Active in Reports: 04/25/2012
Number of Days to Update: 19

Source: Department of Environmental Management
Telephone: 334-271-7712
Last EDR Contact: 09/19/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Varies

TIER 2: Tier 2 Data Listing
A listing of facilities which store or manufacture hazardous materials and submit a chemical inventory report.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 06/20/2014
Date Made Active in Reports: 07/24/2014
Number of Days to Update: 34

Source: Department of Environmental Management
Telephone: 334-260-2714
Last EDR Contact: 12/04/2019
Next Scheduled EDR Contact: 03/23/2020
Data Release Frequency: Varies

UIC: UIC Listing
A listing of underground injection control wells.

Date of Government Version: 08/05/2019
Date Data Arrived at EDR: 08/06/2019
Date Made Active in Reports: 10/10/2019
Number of Days to Update: 65

Source: Geological Survey of Alabama
Telephone: 205-247-3661
Last EDR Contact: 11/05/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Quarterly

MINES MRDS: Mineral Resources Data System
Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 11/22/2019
Next Scheduled EDR Contact: 03/09/2020
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Management in Alabama.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/26/2013
Number of Days to Update: 178

Source: Department of Environmental Management
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from Department of Environmental Management in Alabama.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/26/2013
Number of Days to Update: 178

Source: Department of Environmental Management
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 05/14/2019
Date Data Arrived at EDR: 05/14/2019
Date Made Active in Reports: 08/05/2019
Number of Days to Update: 83

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 11/11/2019
Next Scheduled EDR Contact: 02/24/2020
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 10/02/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 05/01/2019
Date Made Active in Reports: 06/21/2019
Number of Days to Update: 51

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 10/29/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 10/09/2019
Next Scheduled EDR Contact: 12/07/2020
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 02/23/2018
Date Made Active in Reports: 04/09/2018
Number of Days to Update: 45

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 11/14/2019
Next Scheduled EDR Contact: 03/02/2020
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 12/06/2019
Next Scheduled EDR Contact: 03/23/2020
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: Endeavor Business Media
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data
Source: Endeavor Business Media
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Daycare Centers: Licensed Centers
Source: Department of Human Resources
Telephone: 334-242-1425

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Data
Source: Alabama State Water Program
Telephone: 334-844-3927

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

103 S ATLANTA AVE
103 S ATLANTA AVE
SHEFFIELD, AL 35660

TARGET PROPERTY COORDINATES

Latitude (North):	34.75733 - 34° 45' 26.39''
Longitude (West):	87.694607 - 87° 41' 40.59''
Universal Tranverse Mercator:	Zone 16
UTM X (Meters):	436427.4
UTM Y (Meters):	3846155.2
Elevation:	492 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	6700616 FLORENCE, AL
Version Date:	2014
South Map:	6698494 TUSCUMBIA, AL
Version Date:	2014

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

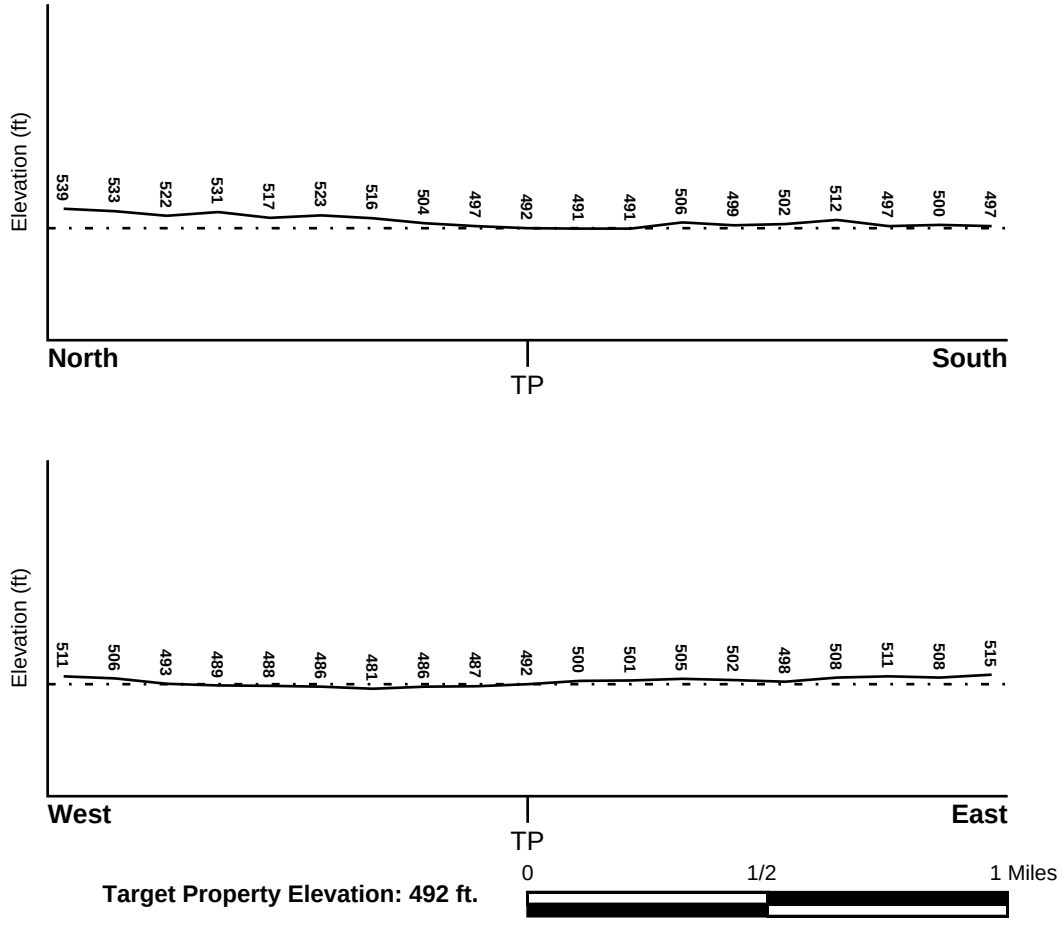
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
01033C0139D	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
01033C0145D	FEMA FIRM Flood data
01033C0302D	FEMA FIRM Flood data
01033C0310D	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
FLORENCE	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Paleozoic
System:	Mississippian
Series:	Meramecian Series
Code:	M2 *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name:	DECATUR
Soil Surface Texture:	silt loam
Hydrologic Group:	Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.
Soil Drainage Class:	Well drained. Soils have intermediate water holding capacity. Depth to water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: HIGH

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	7 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 2.00 Min: 0.60	Max: 6.00 Min: 4.50
2	7 inches	20 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 2.00 Min: 0.60	Max: 6.00 Min: 4.50
3	20 inches	72 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 2.00 Min: 0.60	Max: 6.00 Min: 4.50

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: silty clay loam

Surficial Soil Types: silty clay loam

Shallow Soil Types: No Other Soil Types

Deeper Soil Types: silty clay loam
stratified

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	AL0000309	1/2 - 1 Mile NNW

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

PHYSICAL SETTING SOURCE MAP - 05900101.2r



0 1/4 1/2 1 Miles

- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- Oil, gas or related wells

SITE NAME: 103 S Atlanta Ave	CLIENT: PM Environmental, Inc.
ADDRESS: 103 S Atlanta Ave Sheffield AL 35660	CONTACT: Alaina Matthews INQUIRY #: 05900101.2r
LAT/LONG: 34.75733 / 87.694607	DATE: December 10, 2019 1:30 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
1 **NNW** **1/2 - 1 Mile** **Higher**	**FRDS PWS**	**AL0000309**

Epa region:	04	State:	AL
Pwsid:	AL0000309	Pwsname:	HUNTING CREEK CLUB
Cityserved:	Not Reported	Stateserved:	AL
Zipserved:	Not Reported	Fipscounty:	01033
Status:	Closed	Retpopsrvd:	30
Pwssvcconn:	53	Psource longname:	Groundwater
Pwstype:	TNCWS	Owner:	Private
Contact:	MR JIMMY TODD	Contactorgname:	Not Reported
Contactphone:	205-370-7513	Contactaddress1:	RT 2 BOX 35 CEDAR HILLS ESTATE
Contactaddress2:	Not Reported	Contactcity:	TUSCUMBIA
Contactstate:	AL	Contactzip:	356740000
Pwsactivitycode:	I		

Pwsid:	AL0000309	Facid:	5
Facname:	TREATMENT PLANT	Factype:	Treatment_plant
Facactivitycode:	I	Trtobjective:	disinfection
Trtprocess:	hypochlorination, post	Factypecode:	TP

PWS ID:	AL0000309	PWS type:	System Owner/Responsible Party
PWS name:	JIM DAVIS	PWS address:	HUNTING CREEK CLUB
PWS address:	3211 18TH AVE.	PWS city:	SHEFFIELD
PWS state:	AL	PWS zip:	356600000
PWS ID:	AL0000309	Activity status:	Active
Date system activated:	7706	Date system deactivated:	Not Reported
Retail population:	00000060	System name:	HUNTING CREEK CLUB
System address:	JIM DAVIS	System address:	3211 18TH AVE.
System city:	SHEFFIELD	System state:	AL
System zip:	356600000		

Population served:	Under 101 Persons	Treatment:	Treated
Latitude:	344554	Longitude:	0874154
Latitude:	343431	Longitude:	0875754

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for COLBERT County: 1

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 35660

Number of sites tested: 2

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.500 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	8.800 pCi/L	0%	100%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Data
Source: Alabama State Water Program
Telephone: 334-844-3927

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Alabama Wells Data
Source: Department of Environmental Management
Telephone: 334-271-7985

OTHER STATE DATABASE INFORMATION

Well Surface Locations
Source: Geological Survey of Alabama, State Oil and Gas Board
Telephone: 205-247-3661
A listing of oil and gas well locations in the state.

RADON

State Database: AL Radon
Source: Department of Public Health
Telephone: 334-206-5391
Short-Term Test Results for Alabama Counties

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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Appendix E

PM ENVIRONMENTAL Environmental & Engineering Services

PM PROFESSIONAL RESUMES

ERICA SHUFF

PROJECT CONSULTANT

1.800.313.2966 www.pmenv.com shuff@pmenv.com



Erica Shuff is a Project Consultant at PM Environmental, Inc. She has over five years of experience conducting Phase I Environmental Site Assessments (ESAs), Transaction Screen and customized environmental assessments to support all forms of real estate transactions.

AREAS OF EXPERTISE

- Staff researcher for Phase I ESAs
- Data collection and evaluation, site investigation, and preparation of Phase I ESAs and Transaction Screen reports
- Experience in implementation and completion of various site assessment standards and professional protocol and commercial lending requirements (ASTM E-1527)
- Peer Technical Review of Phase I ESAs using ASTM Standard 1527

EDUCATION

- Central Michigan University
  B.S. Environmental Science and Meteorology

CERTIFICATIONS

- Meets the definition of Environmental Professional as defined in 312.10 of 40 CFR 312

PROFESSIONAL ACTIVITIES

- American Meteorological Society

SUZANNE EVANS, P.G.

SENIOR PROJECT SCIENTIST

1.800.313.2966 www.pmenv.com evans@pmenv.com



Suzanne Evans is a Senior Project Scientist and Professional Geologist at PM Environmental, Inc. She has seventeen years of experience as a Geologist and twelve years of experience as a Project Manager.

AREAS OF EXPERTISE

- Field geologist for drilling of soil borings, collection of soil and groundwater samples, development of monitoring wells, and aquifer testing
- Staff researcher for Phase I Environmental Site Assessments (ESAs)
- Data collection, site investigation, and preparation of Phase I and Phase II ESAs
- Experience in implementation and completion of various site assessment standard and professional protocol and commercial lending requirements (ASTM E-1527)
- Project manager for chlorinated solvent projects, including soil, soil vapor, and groundwater monitoring, contaminant delineation, remediation, and environmental covenants using Risk-Based Corrective Action (RBCA) procedures
- Project manager for Leaking Underground Storage Tanks (LUST) projects including removal and in-place closures, contaminant delineation and remediation using RBCA procedures
- Preparation of plume delineation reports, site monitoring reports, corrective action monitoring reports, and tank closure reports
- Project manager for Brownfield Quality Assurance Project Plans, Phase II ESAs, and remediation projects

EDUCATION

- University of North Alabama
  B.S. Geology

REGISTRATION

- Professional Geologist
  State of Tennessee No. 5132
- Professional Geologist
  State of Alabama No. 1228

CERTIFICATIONS

- AmeOSHA 29 CFR 1910.120 40-hour Safety Training
- OSHA 29 CFR 1910.120 8-hour Annual Refresher
- Successfully completed the course entitled Implementing ARBCA Process
- Successfully completed EDR Environmental Due Diligence 101 Course
- Meets the definition of Environmental Professional as defined in § 312.10 of 40 CFR 312

BETH SEXTON

CHIEF OPERATING OFFICER

1.800.313.2966 www.pmenv.com sexton@pmenv.com



Beth Sexton is the Chief Operating Officer for PM Environmental, Inc. Sexton has over a decade of experience performing environmental due diligence on a variety of properties for financial institutions and borrowers, retail chains, industrial conglomerates, and real estate developers. She specializes in Environmental Due Diligence, portfolio management, mergers and acquisitions, and transactional real estate and development. Sexton is the national client manager for numerous Fortune 100 financial institutions, retail chains, industrial conglomerates, and real estate developers.

She has managed multiple large scale commercial, retail, and industrial redevelopments involving multiple service lines within the company. Sexton has presented on national panels within the environmental industry on topics such as Environmental Due Diligence and corporate management.

AREAS OF EXPERTISE

- Corporate oversight of all departments within PM
- Strategic development and implementation of multiple service line teams to support major redevelopments and complex mergers and acquisitions, utilizing all of the PM service lines
- Strategic development, implementation, training, and launches of multiple service line teams to develop Environmental Risk Management programs for lending institutions and Fortune 1000 real estate intensive industries including retail, logistics, multifamily housing, petroleum, utilizing all of the PM service lines
- Data collection, site investigation, and preparation of Phase I Environmental Site Assessment (ESA) and related due diligence projects
- Senior technical review of due diligence related projects
- Quality assurance/quality control oversight for report documents
- Experience in implementation and completion of various site assessment standards and professional protocol and commercial lending requirements (ASTM E-1527, ASTM E-1528)
- Phase II ESAs and site investigation projects, Baseline Environmental Assessments (BEAs), continuing obligations, and due care projects
- Limited bulk asbestos containing materials samples
- Peer/senior technical review of thousands of Phase I and Phase II ESAs
- Peer/senior technical review for numerous BEAs and due care plans in accordance with P.A. 451

EDUCATION

- Michigan State University
  B.A. International Relations
  Specialization: Environmental Economics
- University of Michigan Masters of Science Resource Policy and Behavior
- EGLE Cleanup Criteria Training
- ASTM Phase I and Phase II Processes Training
- Zweig White Principals Academy

CERTIFICATIONS

- Meets the definition of Environmental Professional as defined in § 312.10 of 40 CFR 312

PROFESSIONAL ACTIVITIES

- Environmental Bankers Association
- Former CREW Network Board Liaison for CREW Detroit Outreach

Appendix F

PM ENVIRONMENTAL Environmental & Engineering Services

COMMON ACRONYMS AND TERMINOLOGY USED IN THE COURSE OF THIS PHASE I ESA

The following is a list of common acronyms:

All Appropriate Inquiry	AAI
Asbestos Containing Materials	ACM
Aboveground Storage Tank	AST
American Society for Testing Materials	ASTM
Approximate Minimum Search Distance	ASMD
Comprehensive Environmental Response, Compensation and Liability Act	CERCLA
Environmental Data Resources	EDR
Environmental Site Assessment	ESA
Federal Emergency Response Notification System	ERNS
Large Quantity Generator	LQG
Leaking Underground Storage Tank	LUST
National Priority List	NPL
No Further Remedial Action Planned	NFRAP
PM Environmental, Inc.	PME
Polychlorinated Biphenyls	PCBs
Resource Conservation and Recovery Act	RCRA
Small Quantity Generator	SQG
Treatment Storage and Disposal Facility	TSD
Underground Storage Tank	UST
United States Environmental Protection Agency	USEPA

TERMINOLOGY

The following provides definitions and descriptions of certain terms that may be used in this report. Several terms are defined by ASTM Standard Practice E 1527. The Standard Practice should be referenced for further detail (such as the precise wording), related definitions, or additional explanation regarding the meaning of terms.

Asbestos containing material (ACM): Any material found to contain greater than 1% asbestos using an analytical method that is approved by the USEPA for asbestos analysis.

De minimis conditions: Conditions that generally do not present a material risk or harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

Friable material: Defined in the National Emission Standards for Hazardous Air Pollutants (NESHAP) as a material that can be pulverized or reduced to dust using hand pressure only.

General risk of enforcement action: The likelihood that an environmental condition would be subject to enforcement action if brought to the attention of appropriate

governmental agencies. If the circumstances suggest an enforcement action would be more likely than not, then the condition is considered a general risk of enforcement action.

Historical recognized environmental condition (HREC): Environmental condition which in the past would have been considered a recognized environmental condition, but which may or may not be considered a recognized environmental condition currently. The final decision rests with the environmental professional and will be influenced by the current impact of the historical recognized environmental condition on the subject property. If a past release of any hazardous substances or petroleum products has occurred in connection with the subject property, with such remediation accepted by the responsible regulatory agency (for example, as evidenced by the issuance of a no further action letter or equivalent), this condition shall be considered a historical recognized environmental condition.

Non-friable material: Defined by National Emission Standards for Hazardous Air Pollutants (NESHAP) as a material that cannot be pulverized or reduced to dust using hand pressure only. According to NESHAP, non-friable building materials include those in Category I (packings, gaskets, resilient floor coverings/adhesives, and asphalt roofing materials) and those in Category II (all other materials).

Recognized environmental condition (REC): The presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the subject property or into the ground, ground water, or surface water of the subject property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include de minimis conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

Subject property: The area that is the focus of a Phase I Environmental Site Assessment. The boundaries are not necessarily consistent with recorded legal descriptions of real estate, and are defined by the User.

Suspect ACM of concern: Defined as "(I) all friable suspect ACMs (II) any non-friable suspect ACMs expected to be disturbed by renovation or demolition activities planned for the subject property."

General Scope of Services for Phase I ESA

The purpose of the Phase I ESA is to gather sufficient information to develop an independent professional opinion about the environmental condition of the subject property. The ESA will be conducted in an attempt to satisfy the ASTM Standard (E-1527-13) and the U.S. EPA Standards and Practices for All Appropriate Inquiry as defined in the Small Business Liability Relief and Brownfields Revitalization Act. The Phase I ESA will encompass the following scope of work:

Records Review

- Federal and State database search for sites within the ASTM approximate minimum search distances.
- Review of one or more additional state environmental record sources (e.g., fire department, health department, published local or state site contamination lists, etc.). PM is typically exhaustive in inquiry with these resources.
- Utilization of as many of the ASTM standard historical sources as necessary and as reasonably ascertainable and likely to be useful to document all obvious uses of the subject property from the present, back to the subject property's first developed usage (agricultural or the placement of fill) or 1940, whichever is earlier (e.g., aerial photographs, fire insurance maps, topographic maps, street directories, building record and other sources including knowledgeable interviewees). PM is typically exhaustive in usage of these resources to document subject property historical usages. **Chain of title is not typically consulted by PM unless all other standard and historical sources cannot adequately document subject property usages or if required by a lender. A separate fee to the lump sum quoted will be assessed for obtainment of chain of title.**
- A records review in accordance with the requirements for a Vapor Intrusion Assessment per ASTM E-2600-08 is not included in this scope of work.

Site Reconnaissance

- The objective of the site reconnaissance is to obtain information regarding the likelihood of recognized environmental conditions in connection with the subject property.
- The exterior of the subject property and any structures, as well as, pathways, roads, etc., will be visually and physically observed.
- The interior of the structures on the subject property will be visually and physically observed. This includes all common areas, maintenance and repair rooms, boiler rooms and representative number of occupant spaces. Observations under floors, above ceilings or behind walls are not required unless specified by requirements other than the ASTM standard.
- PM will evaluate non-ASTM scope issues with a visual inspection, and comment on asbestos containing building materials, lead based paint, and water intrusion associated with mold. Sampling is not included within this scope of work, but can be completed under a separate proposal.
- Current and past uses of the subject property and adjoining properties, and general uses of surrounding properties, to the extent visually and physically observed will be recorded. Emphasis is placed on subject property or adjoining property usages involving use, treatment, storage, disposal or generation of hazardous substances or petroleum products. These observations may include process details on raw material and waste management practices.
- General description of structures and improvements on the subject property (number and age of buildings, ancillary structures, utilities, storage tanks, hazardous substance and petroleum product usage, general chemical or raw material usage, heating and cooling, stains, solid waste, waste water, etc.).

Interviews with Owners and Occupants

- Interviews with owners, occupants, key site manager and user (person on behalf Phase I ESA conducted), typically with regard to information about current and historical uses, general site setting information, site specific documents, litigation, administrative orders, notices of violations with regard to environmental issues, etc.

Interviews with Local Government Officials

- A reasonable attempt will be made to interview at least one staff member of any of the following: the local fire department, the local agency or state agency having jurisdiction over environmental matters in the area in which the subject property is located, and/or the local health department. PM is typically exhaustive in its inquiry of these sources, unless professional experience has indicated the resource is not beneficial.

Evaluation and Report Preparation

- The report of the Phase I ESA findings will generally follow the ASTM format unless otherwise requested by the client or as outlined in any applicable lender requirements. The report will include documentation of sources, methodology, limitations, and credentials. *Liability/risk evaluations, recommendations for Phase II ESA testing and remediation techniques are not provided within the scope of an ASTM performed assessment.* Phase I ESA reports are kept in the strictest client confidence and are issued directly to the client. Issuance or reliance on the Phase I ESA report for purposes of making loan decisions by a private lender may be included in the Phase I ESA report if specified by the client.

USER'S CONTINUING OBLIGATIONS UNDER CERCLA

Conducting a Phase I ESA alone does not provide a landowner with protection against CERCLA liability. Landowners who want to maintain a bona Fide Prospective Purchaser, an Innocent Landowner, or a Contiguous Property Owner Defense must also comply with other pre-acquisition and post-acquisition requirements in the CERCLA regulations and AAI standards. The responsibilities for each defense are summarized below.

Bona Fide Prospective Purchaser Responsibilities

The Bona Fide Prospective Purchaser defense is intended for individuals or entities purchasing a property known to be contaminated. To obtain and maintain the defense, the individual or entity seeking the defense must also satisfy the following requirements (AAI, Section II D.1.):

- Have acquired a property after all disposal activities involving hazardous substances ceased at the property;
- Provide all legally required notices with respect to the discovery or release of any hazardous substances at the property;
- Exercise appropriate care by taking reasonable steps to stop continuing releases, prevent any threatened future releases, and prevent or limit human, environmental, or natural resources exposure to any previously released hazardous substance;
- Provide full cooperation, assistance, and access to persons authorized to conduct response actions or natural resource restorations;
- Comply with land use restrictions established or relied on in connection with a response action;
- Not impede the effectiveness or integrity of any institutional controls;
- Comply with any CERCLA request for information or administrative subpoena; and
- Not be potentially liable, or affiliated with any other person who is potentially liable for response costs for addressing releases at the property.

Innocent Landowner Responsibilities

The Innocent Landowner Defense protects individuals or entities (ultimately the "property owner") purchasing a property that is not known to be contaminated. The property owner must also satisfy the following requirements to obtain and maintain the defense (AAI, Section II D.3 and CERCLA Section 107(b)(3)):

- Have no reason to know that any hazardous substance which is the subject of a release of threatened release was disposed of on, in, or at the facility;
- Provide full cooperation, assistance and access to persons authorized to conduct response actions at the property;
- Comply with any land use restrictions and not impeding the effectiveness or integrity of any institutional controls;

- Take reasonable steps to stop continuing releases, prevent any threatened release, and prevent to limit human, environmental, or natural resource exposure to any hazardous substances released on or from the landowner's property;
- Demonstrate that the act or omission that caused the release or threat of release of hazardous substances and the resulting damages were caused by the third party with whom the person does not have employment, agency, or contractual relationship;
- Exercise due care with respect to the hazardous substance concerned, taking into consideration the characteristics of such hazardous substance, in light of all relevant facts and circumstances;
- Take precautions against foreseeable acts or omissions of a third party and the consequences that could result from such acts or omissions.

Contiguous Property Owner Defense

The Contiguous Property Owner Defense protects individuals or entities purchasing a property that is not known to be contaminated, but could be contaminated by migration from a contiguous property owned by someone else. To qualify as a contiguous property owner, a landowner must have no knowledge of contamination prior to acquisition, or reason to know of contamination at the time of acquisition, have conducted AAI, and meet all of the criteria set forth in AAI Section II.D.2 and CERCLA Section 107(q)(1)(A), which include:

- Not cause, contribute, or consent to the release or threatened release;
- Not be potentially liable nor affiliated with nay other person potentially liable for response costs at the property;
- Take reasonable steps to stop continuing releases, prevent any threatened release, and prevent or limit human, environmental, or natural resource exposure to any hazardous substances released on or from the landowner's property;
- Provide full cooperation, assistance, and access to persons authorized to conduct response actions or natural resource restorations;
- Comply with land use restrictions established or relied on in connection with a response action;
- Not impede the effectiveness or integrity of any institutional controls;
- Comply with any CERCLA request for information or administrative subpoena;
- Provide all legally required notices with respect to discovery or release of any hazardous substances at the property.

Persons who know, or have reason to know, that the property is or could be contaminated at the time of acquisition of a property cannot qualify for the liability protection as a contiguous property owner, but may be entitles to Bona Fide Prospective Purchaser status.

Environmental & Engineering Services Nationwide



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PHASE II ENVIRONMENTAL SITE ASSESSMENT

Delta Automotive
3000 Jackson Highway | Sheffield, Alabama
PM Project Number 07-3738-0 WO 34

Prepared for:

City of Sheffield, Alabama
600 North Montgomery Avenue
Sheffield, Alabama 35660

Prepared by:

PM Environmental, Inc.
4463-A Helton Drive
Florence, Alabama 35633

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January 31, 2020,

Mr. Ian Sanford
City of Sheffield AL
600 North Montgomery Avenue
Sheffield, AL 35660

Re: Phase II Environmental Site Assessment of the Former Delta Automotive, Inc.
Located at 103 South Atlanta Avenue, Sheffield, AL
PM Environmental, Inc. Project No. 07-3738-0 WO34

Dear Mr. Sanford:

PM Environmental, Inc. (PM) has completed the Phase II Environmental Site Assessment (ESA) report of the above referenced property. The attached report is a summary of the field investigative techniques and results of the property assessment activities.

THIS SUPPLEMENTAL ASSESSMENT WAS PERFORMED FOR THE USE OF THE CITY OF SHEFFIELD, ALABAMA AND MR. JAMES C. GAUTNEY WHO MAY RELY ON ITS CONTENTS AND CONCLUSIONS.

If you have any question or concerns, please feel free to contact our office at 256-353-6222. We look forward to providing you with qualified and professional environmental consulting services in the future.

Sincerely,
PM Environmental, Inc.

Suzanne Evans, P.G.
Project Manager
Alabama P.G. #1228

John Hargraves, P.G.
Senior Geologist
Alabama P.G. #701

L. Gregory Stephenson, P.G.
Vice President
Alabama P.G. #742

Enclosure

EXECUTIVE SUMMARY

PM Environmental, Inc. (PM) has completed a Phase II Environmental Site Assessment (ESA) at the Commercial Property located at 103 South Atlanta Avenue, Sheffield, Colbert County, Alabama 35660 (hereafter referred to as the "subject property") to assess the main 'cleanup work' left for the site as outlined in the March 15, 2018 ADEM Memorandum (ADEM Memorandum); to determine the nature and extent of Volatile Organic Compounds (VOCs); Resource Conservation Recovery Act Eight Metals (RCRA-8 Metals) plus Aluminum and Zinc; and Phenol concentrations in groundwater at the subject property.

The ADEM Memorandum of the subject property located at 103 South Atlanta Avenue, Sheffield, Colbert County, Alabama identified the following cleanup work connected with the property:

- To take photographs of the concrete cap over the Waste Contamination Unit (WCU) and confirm that it is in good condition (in accordance with the RCRA Closure requirements that the contaminated soils be capped and the cap be maintained).

- Locate and evaluate the integrity of the groundwater monitoring wells and collect groundwater samples (in accordance with the RCRA Closure requirements that the groundwater be sampled annually).

The subject property consists of one parcels of land totaling 1.47 acres and is located at 103 South Atlanta Avenue, Sheffield, Colbert County, Alabama. The subject property is occupied by one building containing approximately 60,600 square feet. The center building was the newest warehouse and its concrete floor is built over the WCU. The buildings are currently vacant, and in the process of being renovated.

THIS PHASE II ESA WAS PERFORMED FOR THE USE OF THE CITY OF SHEFFIELD, ALABAMA AND MR. JAMES C. GAUTNEY WHO MAY RELY ON ITS CONTENTS AND CONCLUSIONS.

The scope of work performed during this Phase II ESA was completed in general accordance with the Site Specific Quality Assurance Project Plan (SSQAPP) Addendum 1.A approved on November 21, 2019.

The Phase II ESA activities consisted evaluating the condition of the concrete cap over the WCU; locating evaluate the integrity of the groundwater monitoring wells; and collecting ten groundwater samples, including one duplicate sample, from the previously installed groundwater monitoring wells (MW-5, MW-7, and MW-9 through MW-15) were submitted for laboratory analysis of VOCs; RCRA-8 metals plus Aluminum and Zinc; and Phenol. The analytical results were then compared to the Environmental Protection Agency's (EPA) Regional Screening Levels (RSLs), Maximum Contamination Level (MCL) Based dated November 2019.

Of the groundwater concentrations detected above laboratory MDLs concentrations 1,1-Dichloroethene and Lead were identified in groundwater above the EPA RSLs, MCL-Based.

This report has been reviewed for its completeness and accuracy. Please feel free to contact our office at 256-353-6222 to discuss this report.

REPORT PREPARED BY:
PM Environmental, Inc.

Suzanne Evans
Project Geologist
Alabama P.G. #1228

REPORT REVIEWED BY:
PM Environmental, Inc.

John Hargraves, P.G.
Senior Geologist
Alabama P.G. #701

REPORT REVIEWED BY:
PM Environmental, Inc.

L. Gregory Stephenson, P.G.
Vice President
Alabama P.G. #742

LIMITATIONS

This Phase II Environmental Site Assessment (ESA) is a property-specific assessment that is related to the environmental conditions of the subject property only.

PM Environmental, Inc. (PM) performed its services in conformance with the care and skill ordinarily used by other reputable environmental consulting firms practicing under similar conditions, at the same time, and in the same or similar locality. In preparing the assessment report, PM may have relied on information obtained from or provided by others. PM makes no representation or warranty regarding the accuracy or completeness of this information gathered through outside sources or subcontracted services. No single page of this report should be relied upon alone, rather only the report in its entirety. No warranty, guarantee, or certification of any kind, expressed or implied, at common law or created by statute, is extended, made, or intended by rendering these environmental consulting services or by furnishing this written report. Environmental conditions and regulations are subject to constant change and reinterpretation. One should not assume that any on-site conditions and/or regulatory statutes or rules will remain constant in the future, after PM has completed the scope of work for this project. Furthermore, because of the facts stated in this report are subject to professional interpretation, differing conclusions could be reached by other professionals.

Contaminants may be hidden in subsurface material, covered by pavement, vegetation, or other substances. Additionally, contamination may not be present in predictable locations. The most that PM can do is prepare a logical assessment program to reduce the client's risk of discovering unknown contamination. This risk may be reduced by more extensive exploration on the property. Even with additional exploration, it is not possible to completely eliminate the risk of discovering contamination on-site. It cannot be assumed that samples collected and conditions observed are representative of an area that has not been sampled and/or tested. Tests and other data collected for the report were obtained only for the sole purposes stated in this report, and they should not be used for purposes or reasons other than those intended.

Some environmental assessments are undertaken to satisfy due diligence, all appropriate inquiry, or other regulatory requirements provided in federal, state, or local law. The level of investigation necessary to demonstrate due diligence or all appropriate inquiry has not been legislatively defined. Although PM strives to investigate a property in accordance with the scope of work, it cannot warrant that the work undertaken for this report will satisfy due diligence, all appropriate inquiry, or any other similar standard under any federal, state, or local law.

Due to changing environmental regulatory conditions and potential on-site or off-site activities occurring after this assessment, the client may not presume the continuing applicability to the property of the conclusions in this assessment for more than 180 days after the report’s issuance date.

Any reports, field data, field notes, laboratory testing, calculations, estimates or other documents prepared by or relied upon by PM are the property of PM. If any of these documents are released or obtained by a party other than the client, PM may not discuss the project with that party unless the original contracted client notifies PM of the same and PM is authorized to disclose the information and to discuss the project with others. Except as otherwise agreed with the client, PM further states that it disclaims any duty of any kind or nature to any person or entity other than the client in preparing this report.

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APPENDICES

Appendix A ADEM Memorandum March 15, 2018
Appendix B Laboratory Analytical Reports

SECTION 1.0 – INTRODUCTION

PM Environmental, Inc. (PM) has completed a Phase II Environmental Site Assessment (ESA) at the Commercial Property located at 103 South Atlanta Avenue, Sheffield, Colbert County, Alabama 35660 (hereafter referred to as the "subject property") to assess the 'cleanup work' left for the site as outlined in the March 15, 2018 ADEM Memorandum; to determine the nature and extent of VOCs; RCRA-8 Metals plus Aluminum and Zinc; and Phenol concentrations in groundwater at the subject property.

The ADEM Memorandum of the subject property located at 103 South Atlanta Avenue, Sheffield, Colbert County, Alabama identified the following cleanup work connected with the property:

- To take photographs of the concrete cap over the Waste Contamination Unit (WCU) and confirm that it is in good condition (in accordance with the RCRA Closure requirements that the contaminated soils be capped and the cap be maintained).
- Locate and evaluate the integrity of the groundwater monitoring wells and collect groundwater samples (in accordance with the RCRA Closure requirements that the groundwater be sampled annually).

SECTION 2.0 - SITE DESCRIPTION

The subject property is located at 103 South Atlanta Avenue, Sheffield, Colbert County, Alabama 35660. The subject property consists of one parcel totaling 1.47 acres containing three structures totaling approximately 60,600 square feet. Future redevelopment plans are not known at this time. Mr. James C. Gautney acquired the site from the State of Alabama for back taxes.

Review of the Pre- Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Screening Assessment prepared by the Environmental Services Branch of the Alabama Department of Environmental Management (ADEM) and other historical records documents between 1914 and the late 1960s the subject property was operated as a woodworking and cabinet shop. Between the late 1960s and 1970, the property was operated as a lumber dealer. The subject property was leased and operated as a surplus auto parts store. In 1971, the subject property was purchased and Delta Automotive, Inc. (Delta) began operations as an automobile parts manufacturer in 1972. On October 16, 1998, Delta was provided a Landfill Closure Certification for the Solid Waste Management Unit (SWMU) 12. This provided permanent closure of an area of contaminated soil in the central portion of the subject property. By December 2004, Whatever It Takes, a distribution center that packaged auto parts was operating at the facility. By 2008, records suggest that the property was vacant. Tax records collected from the Colbert County Revenue Commissioner's on-line data base shows that by 2012 the property was owned by the Alabama Department of Revenue.

The subject property sits on the deposits of the Decatur-Series, a typical soil profile consists of typically deep, well drained, moderately permeable, and are formed in the residuum weathered from limestone. The soil profile generally consists of dark reddish-brown silty clay containing weathered limestone fragments and chert nodules. The permeability of the unsaturated zone varies with the composition, being highest in horizons containing concentrated chert nodules and limestone fragments. The chert and limestone fragment composition generally increases with depth, as does permeability, typically being substantial as the soil/bedrock interface is approached. The permeability of the unsaturated zone ranges from approximately 1x from 0-5 to 1x10-3 cm/sec (Freeze and Cherry, 1979) as recorded in the ADEM Memorandum.

Topography at the site is gently sloping to the west and direction of groundwater flow is likely to the west. The site is located at approximately 500 to 510 feet above mean sea level (msl). An

unnamed perennial portion of a stream located approximately 4,000 feet from the subject property.

Any impact from the Chemicals of Concern would enter the soil and migrate through the native and/or fill material through preferential pathways or fracturing in the soil. Some of the potential chemicals of concern (VOCs, RCRA-8 Metals plus Aluminum and Zinc, and Phenol) may remain in the upper soil zone and not migrate extensively. Some of the impact has migrated through the vadose zone of the soil and traveled deep enough to encounter the local water table (groundwater which is within 4.71-8.84 feet bgs), especially at the depths encountered at this site. Once it reaches the groundwater, it will tend to react based on the groundwater and migrate downgradient of the point where it entered the water table. Heavier compounds will act similarly to lighter compounds, except they may also migrate vertically through the water table until they are restricted by a confining layer.

PM has provided Figure 1, which consists of a topographic map of the surrounding area with the subject site marked. Figure 2, depicts the subject property and adjoining properties.

SECTION 3.0 - PREVIOUS SUBSURFACE INVESTIGATION(S)

Review of the Pre-Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Screening Assessment prepared by the Environmental Services Branch of the Alabama Department of Environmental Management (ADEM) and other historical records documents between 1914 and the late 1960s the subject property was operated as a woodworking and cabinet shop. Between the late 1960s and 1970, the property was operated as a lumber dealer. The subject property was leased and operated as a surplus auto parts store. In 1971, the subject property was purchased and Delta Automotive, Inc. (Delta) began operations as an automobile parts manufacturer in 1972. On October 16, 1998, Delta was provided a Landfill Closure Certification for the Solid Waste Management Unit (SWMU) 12. This provided permanent closure of an area of contaminated soil in the central portion of the subject property. By December 2004, Whatever It Takes, a distribution center that packaged auto parts was operating at the facility. By 2008, records suggest that the property was vacant. Tax records collected from the Colbert County Revenue Commissioner's on-line data base shows that by 2012 the property was owned by the Alabama Department of Revenue.

On August 29, 2001, Highland Technical Services, Inc. (HTS) completed the confirmatory soil sampling activities associated with the SWMU 12 landfill closure (former spent mineral spirits drum storage area). According to the HTS report dated October 25, 2001, "*A total of eight composite soil samples representative of two discrete depth intervals from each grid area were collected were collected for analysis as part of this investigation. Five hand auger borings were advanced in each of the grid areas to a total of 2.0 feet below ground surface. …" "Laboratory results of the soil samples collected from both A and B intervals indicated detectable concentrations of several of the target metals."* Additionally, Acetone, Carbon Disulfide, and Xylenes were also detected in some of the samples. The HTS report further stated that "*the detected concentrations of the target parameters do not exceed their respective SSLs and therefore would not be expected to adversely impact groundwater beneath the site*.

The most recent Semi-Annual Groundwater Monitoring Report was dated October 26, 2001 and was prepared by HTS. The semi-annual sampling event was conducted on August 29, 2001.

According to the HTS report summary, *"Based upon the analyses presented in this annual groundwater monitoring report, no constituents of concern were detected at concentrations above the published Maximum Concentration Limit (MCLs) in any of the down-gradient offsite monitoring wells. Based on the findings of the statistical analysis, Barium was the only parameter detected at significantly different concentrations as compared to background in the*

shallow flow beneath the site. There were no statistically significant increases determined to present in the downgradient wells in the deep flow zone at the time of the August 2001 sampling event."

According to the March 15, 2018 ADEM Memorandum (ADEM Memorandum) the main 'cleanup work' left for the site is groundwater monitoring which, *"will ensure that the Waste Contamination Unit (WCU) is adequately addressing any residual soil contamination from historical processes on-site."* A copy of the March 15, 2018 ADEM Memorandum is included in Appendix A.

SECTION 4.0 - SUBSURFACE INVESTIGATION

Section 4.1 – Variances to Scope of Work

The scope of work performed during this Phase II ESA was done in general accordance with the Site-Specific Quality Assurance Project Plan (SSQAPP) Addendum 1.A approved on November 21, 2019.

Section 4.2 – Site Activities

Ground Penetrating Radar (GPR) Survey
On December 5, 2019, PM personnel visited the site to conduct a GPR survey to include use of a metal detector is recommended to attempt to locate the groundwater monitoring wells that could not be located during a previous site visit by ADEM. All groundwater monitoring wells were located, vegetation was cleared, and the area was marked to allow for ease of location identification.

Groundwater Sampling Event
On December 30-31, 2019, PM collected groundwater samples from nine monitoring wells (MW-5, MW-7, MW-9 through MW-15) with a maximum depth of 142 feet below ground surface (bgs) to assess the areas of concern identified in the March 15, 2018 ADEM Memorandum.

A total of ten groundwater samples (including one groundwater duplicate) were submitted for laboratory analysis of VOCs, RCRA-8 Metals plus Aluminum and Zinc, and Phenol (refer to the attached Table 1 for groundwater data).

The monitoring well locations are depicted on Figure 3. Specifically, the Phase II ESA activities were conducted in the following areas of the subject properties:

Description of Groundwater Sampling Locations

Location (Total Depth in feet bgs)	Analysis	Objectives	Groundwater Sample Selection (Justification)	Monitoring Well (Screen Interval in feet bgs)
MW-5 (60.5)	VOCs, RCRA-8 Metals plus Aluminum and Zinc, and Phenol	Assess the current groundwater concentrations beneath the WCU.	**Groundwater:** Sampled	40.5-60.5
MW-7 (37)	VOCs, RCRA-8 Metals plus Aluminum and Zinc, and Phenol	Assess the up-gradient boundary.	**Groundwater:** Sampled	27.0-37.0

Location (Total Depth in feet bgs)	Analysis	Objectives	Groundwater Sample Selection (Justification)	Monitoring Well (Screen Interval in feet bgs)
MW-9 (41)	VOCs, RCRA-8 Metals plus Aluminum and Zinc, and Phenol	Assess off-site concentrations.	**Groundwater:** Sampled	31.0-41.0
MW-10 (79.3)	VOCs, RCRA-8 Metals plus Aluminum and Zinc, and Phenol	Assess the up-gradient boundary.	**Groundwater:** Sampled	69.3-79.3
MW-11 (125.8)	VOCs, RCRA-8 Metals plus Aluminum and Zinc, and Phenol	Assess the current groundwater concentrations beneath the WCU.	**Groundwater:** Sampled	115.8-125.8
MW-12 (70)	VOCs, RCRA-8 Metals plus Aluminum and Zinc, and Phenol	Assess off-site concentrations.	**Groundwater:** Sampled	60.0-70.0
MW-13 (40)	VOCs, RCRA-8 Metals plus Aluminum and Zinc, and Phenol	Assess the up-gradient boundary.	**Groundwater:** Sampled	20.0-40.0
MW-14 (35)	VOCs, RCRA-8 Metals plus Aluminum and Zinc, and Phenol	Assess the down-gradient boundary.	**Groundwater:** Sampled	20.0-35.0
MW-15 (142)	VOCs, RCRA-8 Metals plus Aluminum and Zinc, and Phenol	Assess the down-gradient boundary.	**Groundwater:** Sampled	122.0-142.0

Section 4.2.1 – Groundwater Sampling Procedures

The groundwater monitoring wells were installed as part of previous site investigations. The monitoring wells MW-7, MW-9, MW-13, and MW-14 are screened at varying depths between 20 and 40 feet bgs; MW-5, MW-10, and MW-12 are screened at varying depths between 40 and 80 feet bgs; and MW-11 and MW-15 feet are screened at varying depths between 115 and 142 feet bgs.

The monitoring well caps were removed, and the wells were allowed to equilibrate for approximately 15 minutes. Groundwater elevations were recorded in all monitoring wells and referenced to a local datum plane. The oil/water interface probe was decontaminated after each use by washing it in an Alconox detergent solution followed by a distilled or potable water rinse.

All wells were gauged for the presence of free phase hydrocarbons (fph) utilizing an oil/water interface probe. Fph was not detected in any of the monitoring wells during these events.

Groundwater samples were collected utilizing dedicated disposable bailers, and placed directly into laboratory provided containers, labeled, and packed on ice for shipment. Prior to sampling, a minimum of three well volumes of groundwater was removed from the groundwater monitoring wells using dedicated, disposable, polyethylene bailers. Disposable latex or nitrile gloves were used during sample collection and were changed between each groundwater monitoring well. Intrinsic parameter data was collected after each well volume was removed.

Groundwater samples were submitted to Pace Analytical in Mt. Juliet, Tennessee for chemical analysis. A summary of well construction data, groundwater elevation, and analytical data is presented in Table 1. A summary of the intrinsic parameters collected during the December 30-31, 2019, groundwater monitoring event are presented in Table 2. The laboratory analytical reports are included in Appendix B.

Section 4.3 - Subsurface Geology and Hydrogeology

The general soil profile identified during previous site investigations consisted primarily of reddish brown clay with sand to approximately 9 feet bgs, with cherty-silty clay from approximately 9 to 64 feet bgs, limestone with minor clay lenses to approximately 70 feet, with limestone to 142 feet bgs. Groundwater was encountered in the monitoring wells MW-7, MW-9, MW-13, and MW-14 at 4.71 to 8.84 feet below Top of Casing (TOC); MW-5, MW-10, and MW-12 at 35.85 to 36.24 feet below TOC; and MW-11 and MW-15 at 34.52 to 38.75 feet below TOC.

The United States Geological Survey Division (U.S.G.S.) 7.5-Minute Topographic Map of the Florence, Alabama Quadrangle, 1971 for the subject property was reviewed in accordance with the ASTM standards (Figure 1). Based on the topographic map, the subject property is located at an elevation of 500-510 feet above mean sea level. The immediate subject property area appears to slope to the west.

Section 4.4 - Quality Assurance and Quality Control

During groundwater sampling the oil/water interface probe was cleaned between borings to minimize the possibility of cross contamination. These procedures included decontaminating equipment with a phosphate free solution (i.e., Alconox®) and rinsing with distilled water after each sample collection. An Equipment Blank was collected on December 31, 2019. A duplicate sample was collected from MW-5. Trip Blanks were secured in each cooler for analysis. Samples were placed in appropriately labeled containers with Teflon® lined lids and/or sanitized glass jars, placed in an ice packed cooler and transported under chain of custody procedures for laboratory analysis within applicable holding times.

SECTION 5.0 - CHEMICAL ANALYSIS

PM personnel collected ten groundwater samples (including one duplicate groundwater sample) from the subject property. Samples were submitted for laboratory analysis of VOCs, RCRA-8 Metals plus Aluminum and Zinc, and Phenol . The compounds analyzed and EPA methods are summarized in the following table:

Analytical Methods

SAMPLE ID	COMPOUNDS	EPA METHOD FOR GROUNDWATER
MW-5, MW-7, MW-9 through MW-15	VOCs	8260B
MW-5, MW-7, MW-9 through MW-15	Aluminum, Arsenic, Barium, Cadmium, Chromium, Lead, Selenium, and Silver	6010B
MW-5, MW-7, MW-9 through MW-15	Mercury	7470A
MW-5, MW-7, MW-9 through MW-15	Phenols	9066

SECTION 6.0 – PATHWAY ANALYSIS

The following exposure pathways were evaluated, including: groundwater ingestion, protection of groundwater (soil leaching to groundwater), groundwater-surface water interface, direct contact, and ambient and indoor air inhalation from contaminated soil and groundwater. The elimination of exposure pathways demonstrates that unacceptable exposures do not exist and that response activities are not required to prevent or mitigate unacceptable exposures.

The subject property is currently used commercially, which is consistent with Industrial/Commercial receptor exposure assumptions used to develop EPA RSLs, EPA Maximum Contaminant Level (MCL)-based Soil Screening Levels (SSLs), and Groundwater EPA RSLs, MCL Based. Based upon the current use and potential future Commercial/Industrial use of the subject property, the Industrial/Commercial RSLs are applicable. However, the Residential RSLs and TRGs are being considered as well in case the further redevelopment plans change.

EXPOSURE PATHWAYS				
Pathway	**Exposure Pathway Relevant?**		**If Pathway Is Relevant, Are Applicable Criteria Exceeded?** (Applicable Criteria)	
	Yes/No	**Justification**	**Residential**	**Industrial/ Commercial**
Groundwater Ingestion	No	• Connected to municipal water	NA	NA
Groundwater-Surface Water Interface	No	• Surface water is not in immediate contact with the property	No	No
Dermal Contact	Yes	• Target analyte concentrations are present in soil and/or groundwater at intervals where site occupants/utility workers could reasonably be expected to access them; However, the area of soil contamination is currently isolated by the WCU at the site.	No	No (EPA Groundwater RSLs - However, the area is currently isolated by the WCU at the site)

NA – Not Applicable

Based upon the above evaluation the EPA RSL, MCL based for Groundwater are applicable to the subject property.

SECTION 7.0 - ANALYTICAL RESULTS

Summaries of the groundwater analytical results from the December 2019 sampling activities are presented in Table 1 and Figure 4. Copies of the laboratory analytical reports are included in Appendix B.

Due to the current Commercial/Industrial use of the properties and possible future uses of the properties, the groundwater analytical results were compared with EPA MCL Based RSLs are presented in the table below.

Summary of Groundwater Exceedances

Sample ID	Screened Interval (feet bgs)	Analysis	Objectives	Groundwater Exceedance (Applicable RSL)
MW-5	40.5 - 60.5	VOCs, RCRA-8 Metals plus Aluminum and Zinc, and Phenol	Assess the current groundwater concentrations beneath the WCU.	1,1-Dichloroethene exceeding the EPA RSL, MCL based
MW-7	27.0 - 37.0	VOCs, RCRA-8 Metals plus Aluminum and Zinc, and Phenol	Assess the up-gradient boundary.	No Exceedances
MW-9	31.0 - 41.0	VOCs, RCRA-8 Metals plus Aluminum and Zinc, and Phenol	Assess off-site concentrations.	Lead exceeding the EPA RSL, MCL based
MW-10	69.3 - 79.3	VOCs, RCRA-8 Metals plus Aluminum and Zinc, and Phenol	Assess the up-gradient boundary.	No Exceedances
MW-11	115.8 - 125.8	VOCs, RCRA-8 Metals plus Aluminum and Zinc, and Phenol	Assess the current groundwater concentrations beneath the WCU.	No Exceedances
MW-12	60.0 - 70.0	VOCs, RCRA-8 Metals plus Aluminum and Zinc, and Phenol	Assess off-site concentrations.	No Exceedances
MW-13	20.0 - 40.0	VOCs, RCRA-8 Metals plus Aluminum and Zinc, and Phenol	Assess the up-gradient boundary.	No Exceedances
MW-14	20.0 - 35.0	VOCs, RCRA-8 Metals plus Aluminum and Zinc, and Phenol	Assess the down-gradient boundary.	No Exceedances
MW-15	122.0 - 142.0	VOCs, RCRA-8 Metals plus Aluminum and Zinc, and Phenol	Assess the down-gradient boundary.	No Exceedances

Summary of Groundwater Analytical Results

Laboratory analytical results (Table 1, Figure 4) identified concentrations of various Aluminum, Arsenic, Barium, Cadmium, Chromium, 1,1-Dichloroethane, 1,1-Dichloroethene, Lead, Mercury, Methyl-Tert-Butyl-Ether, Total Phenol, Selenium, Silver, Tetrachloroethene, and Zinc above laboratory MDLs in groundwater.

No groundwater concentrations detected above laboratory MDLs were identified above the EPA MCL based RSLs except: 1,1-Dichloroethene in MW-5 at 40.2 ppb with an EPA RSL of 7.0 ppb

and Lead in MW-9 at 59.8 ppb with an EPA RSL of 15.0 ppb. No other groundwater target analytes were detected above the laboratory MDLs.

SECTION 8.0 – INVESTIGATION DERIVED WASTE

Four drums of Investigation Derived Waste (IDW) were generated during this Phase II. The IDW will be transported for disposal at a later date and a Supplemental Letter documenting the disposal will be submitted at a later date.

SECTION 9.0 – CONCLUSIONS & RECOMMENDATIONS

The scope of work performed during this Phase II ESA was done in general accordance with the SSQAPP Addendum 1.A approved on November 21, 2019.

On December 30-31, 2019, PM collected a total of ten groundwater samples (including one groundwater duplicate) which were submitted for laboratory analysis of VOCs, RCRA-8 Metals plus Aluminum and Zinc, and Phenol. Of the concentrations exceeding the laboratory MDLs concentrations of 1,1-Dichloroethene in MW-5 at 40.2 ppb exceeded the EPA RSL of 7.0 ppb and Lead in MW-9 at 59.8 ppb exceeded the EPA RSL of 15.0 ppb. No other groundwater target analytes detected were above the laboratory MDLs.

If you have any questions related to this Phase II ESA report please do not hesitate to contact our office at 256-353-6222.

REPORT PREPARED BY:
PM Environmental, Inc.



Suzanne Evans, P.G.
Senior Project Geologist
Alabama P.G. #1228



REPORT REVIEWED BY:
PM Environmental, Inc.



John W. Hargraves, P.G.
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Alabama P.G. #701



REPORT REVIEWED BY:
PM Environmental, Inc.

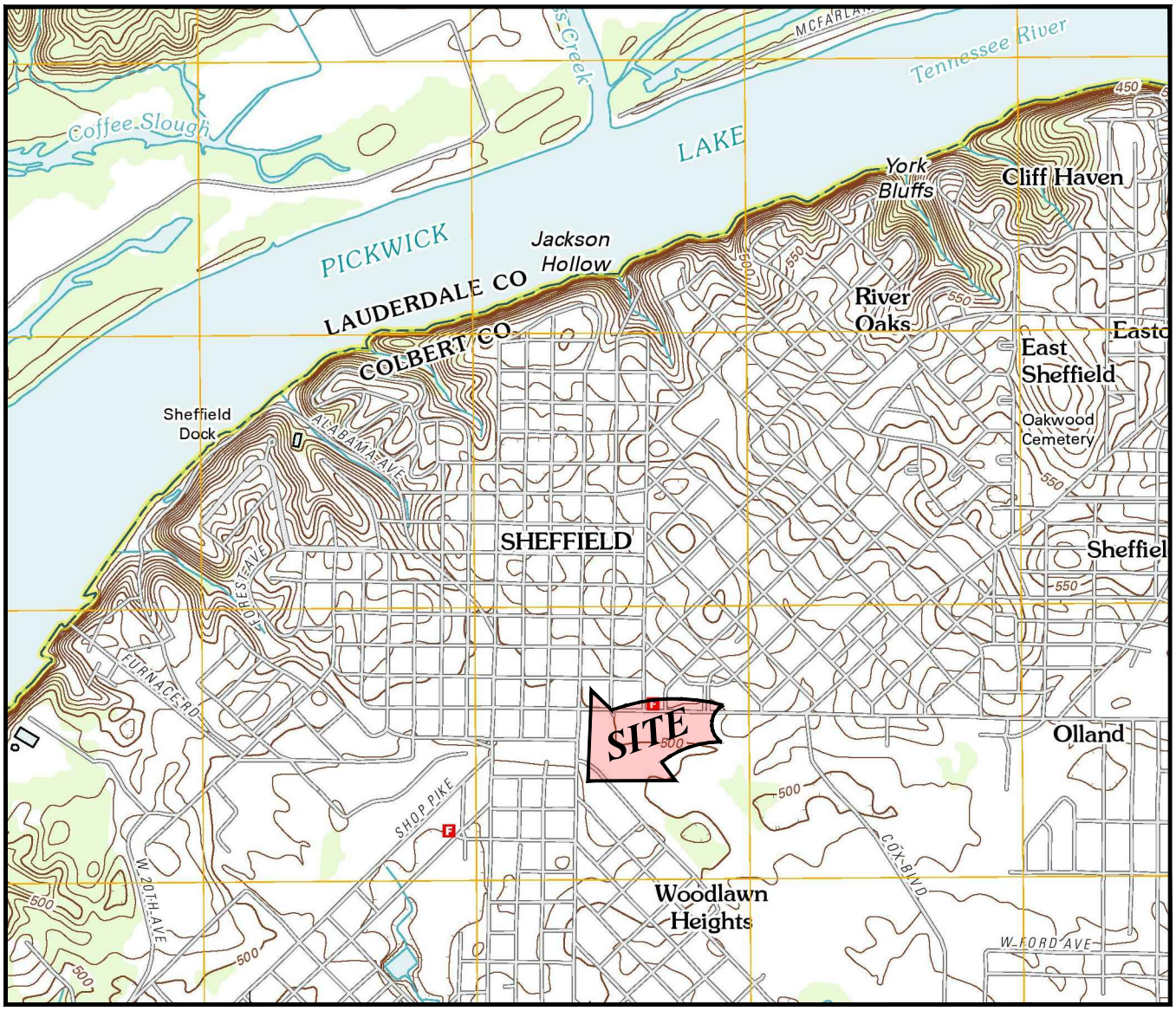


L. Gregory Stephenson, P.G.
Vice President
Alabama P.G. #742



Figures

PM ENVIRONMENTAL Environmental & Engineering Services





ALABAMA COUNTY LOCATIONS

COLBERT COUNTY

SCALE 1:24,000

1 MILE 1/2 MILE 0 1 MILE

FIGURE 1

PROPERTY VICINITY MAP

USGS, 7.5 MINUTE SERIES

FLORENCE, AL QUADRANGLE, 2011.

PM ENVIRONMENTAL | Environmental & Engineering Services

PROJ:
DELTA AUTOMOTIVE
103 SOUTH ATLANTA AVENUE
SHEFFIELD, AL

THIS IS NOT A LEGAL SURVEY

VERIFY SCALE
0 2,000'
IF NOT 1" ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRN BY: ES	DATE: 2/4/2019
CHKD BY: JH	SCALE: 1" = 2,000'
FILE NAME: 07-3738-0 W03F01R00	

SOUTH ATLANTA AVENUE
VACANT PROPERTY

110 SOUTH ATLANTA AVENUE
COMMERCIAL PROPERTY

SOUTH ATLANTA AVENUE
VACANT PROPERTY

EAST ASHE STREET

200 SOUTH ATLANTA AVENUE
COMMERCIAL

SOUTH ATLANTA AVENUE

SOUTHERN RAILROAD

EAST 21ST STREET

OFFICE

NEW WAREHOUSE

WASTE CONTAINMENT UNIT

RESIDENTIAL WAREHOUSE

RESIDENTIAL

EAST 20TH STREET

RESIDENTIAL

COMMERCIAL PROPERTY
FORMER ALABAMA OIL
PROPERTY

NOTE: Figure was compiled from aerial photogrpahs, Colbert County tax maps, and Highland Technical Services

LEGEND:

SUBJECT PROPERTY
RAIL ROAD TRACKS
PARCEL / LOT BOUNDARIES

N

NOTE: Figure was created from a compilation of data from aerial photographs, Colbert County Tax Maps, and Highland Technical Services, Inc.'s 2001 Figures

PM ENVIRONMENTAL | Environmental & Engineering Services

FIGURE 2

GENERALIZED DIAGRAM OF THE SUBJECT PROPERTY AND ADJOINING PROPERTIES

PROJ:
DELTA AUTOMOTIVE
103 SOUTH ATLANTA AVENUE
SHEFFIELD, AL

THIS IS NOT A LEGAL SURVEY	DRN BY: ES	DATE: 2/4/2019
VERIFY SCALE 0 60' IF NOT 1" ON THIS SHEET, ADJUST SCALES ACCORDINGLY.	CHKD BY: JH	SCALE: 1" = 60'
	FILE NAME: 07-3738-0 WO3F00R00	

SOUTH
ATLANTA AVENUE
VACANT PROPERTY

110 SOUTH
ATLANTA AVENUE
COMMERCIAL PROPERTY

SOUTH
ATLANTA AVENUE
VACANT PROPERTY

REET

MW-12 MW-9

200 SOUTH
ATLANTA AVENUE
COMMERCIAL

SOUTH ATLANTA AVENUE

SOUTHERN RAILROAD

MW-14

MW-15

MW-13

EAST 21ST STREET

OFFICE

NEW WAREHOUSE

WASTE CONTAINMENT UNIT

MW-11

MW-5

RESIDENTIAL WAREHOUSE

MW-7

MW-10

RESIDENTIAL

RESIDENTIAL

COMMERCIAL PROPERTY
FORMER ALABAMA OIL
PROPERTY

EAST 20TH STREET

LEGEND:

- SUBJECT PROPERTY
- RAIL ROAD TRACKS
- PARCEL / LOT BOUNDARIES
- EXISTING MONITORING WELL

N

PM ENVIRONMENTAL | Environmental & Engineering Services

FIGURE 3

MONITORING WELL LOCATION MAP

PROJ:

DELTA AUTOMOTIVE
103 SOUTH ATLANTA AVENUE
SHEFFIELD, AL

THIS IS NOT A LEGAL SURVEY	DRN BY: ES	DATE: 2/4/2019
VERIFY SCALE 0 — 60' IF NOT 1" ON THIS SHEET, ADJUST SCALES ACCORDINGLY.	CHKD BY: JH	SCALE: 1" = 60'
	FILE NAME: 07-3738-0 WO3F00R00	

SOUTH ATLANTA AVENUE VACANT PROPERTY

110 SOUTH ATLANTA AVENUE COMMERCIAL PROPERTY

SOUTH ATLANTA AVENUE VACANT PROPERTY

EAST ASHE STREET

200 SOUTH ATLANTA AVENUE COMMERCIAL

SOUTH ATLANTA AVENUE

EAST 21ST STREET

SOUTHERN RAILROAD

EAST 20TH STREET

OFFICE

NEW WAREHOUSE

WASTE CONTAINMENT UNIT

RESIDENTIAL WAREHOUSE

RESIDENTIAL

RESIDENTIAL

COMMERCIAL PROPERTY FORMER ALABAMA OIL PROPERTY

MW-14 MW-15 MW-13 MW-11 MW-7 MW-12 MW-9 MW-5 MW-10

MW-15	
12/31/2019	
122.0 ~ 142.0'	SCREEN
UNITS	ug/L
VOCs	<MDL
Ba	33.9
OTHER METALs	<MDL
PHENOL(TOTAL)	<MDL

MW-14	
12/30/2019	
20.0 ~ 35.0'	SCREEN
UNITS	ug/L
VOCs	<MDL
Al	279
Ba	130
OTHER METALs	<MDL
PHENOL(TOTAL)	<MDL

MW-13	
12/31/2019	
20.0 ~ 40.0'	SCREEN
UNITS	ug/L
VOCs	<MDL
Al	230
Ba	53.6
OTHER METALs	<MDL
PHENOL(TOTAL)	<MDL

MW-11	
12/31/2019	
115.8 ~ 125.8'	SCREEN
UNITS	ug/L
VOCs	<MDL
Al	454
Ba	29.9
OTHER METALs	<MDL
PHENOL(TOTAL)	<MDL

MW-7	
12/30/2019	
27.0 ~ 37.0'	SCREEN
UNITS	ug/L
VOCs	<MDL
Ba	60.7
OTHER METALs	<MDL
PHENOL(TOTAL)	<MDL

MW-12	
12/30/2019	
60.0 ~ 70.0'	SCREEN
UNITS	ug/L
VOCs	<MDL
Al	1,830
Ba	285
Pb	13.1
Zn	57.3
OTHER METALs	<MDL
PHENOL(TOTAL)	<MDL

MW-9	
12/30/2019	
31.0 ~ 41.0'	SCREEN
UNITS	ug/L
VOCs	<MDL
Al	32,800
Ba	206
Cr	43.0
Pb	59.8
Zn	194
OTHER METALs	<MDL
PHENOL(TOTAL)	<MDL

MW-5		DUPLICATE	
12/31/2019		12/31/2019	
40.5 ~ 60.5'	SCREEN	40.5 ~ 60.5'	SCREEN
UNITS	ug/L	UNITS	ug/L
1,1-DCA	6.29	1,1-DCA	6.36
1,1-DCE	40.2	1,1-DCE	34.4
TCE	2.24	TCE	1.64
OTHER VOCs	<MDL	OTHER VOCs	<MDL
Al	1,000	Al	842
Ba	29.5	Ba	41.4
OTHER METALs	<MDL	Pb	7.56
PHENOL(TOTAL)	<MDL	Zn	64.1
		OTHER METALs	<MDL
		PHENOL(TOTAL)	<MDL

MW-10	
12/30/2019	
69.3 ~ 79.3'	SCREEN
UNITS	ug/L
MTBE	1.23
OTHER VOCs	<MDL
Al	7,310
Ba	68.1
Pb	5.75
Zn	69.6
OTHER METALs	<MDL
PHENOL(TOTAL)	<MDL

LEGEND:

- SUBJECT PROPERTY
- RAIL ROAD TRACKS
- PARCEL / LOT BOUNDARIES
- EXISTING MONITORING WELL

Al	ALUMINUM
Ba	BARIUM
Cr	CHROMIUM
Pb	LEAD
Zn	ZINC
TCE	TRICHLOROETHENE
MTBE	METHYL TERT BUTYL ETHER
1,1-DCA	1,1-DICHLOROETHANE
1,1-DCE	1,1-DICHLOROETHYLENE
VOCs	VOLATILE ORGANIC COMPOUNDS
MDL	METHOD DETECTION LIMIT

- VALUE EXCEEDS APPLICABLE CRITERIA

NOTES: REFER TO TABLES FOR SPECIFIC COMPOUNDS ANALYZED

N

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FIGURE 4

MONITORING WELL LOCATION MAP
WITH GROUNDWATER ANALYTICAL RESULTS

PROJ:
DELTA AUTOMOTIVE
103 SOUTH ATLANTA AVENUE
SHEFFIELD, AL

THIS IS NOT A LEGAL SURVEY

VERIFY SCALE
0 60'
IF NOT 1" ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRN BY: ES/CS
CHKD BY: JH/SE
DATE: 1/13/2020
SCALE: 1" = 60'
FILE NAME: 07-3738-0 WO34F00R00

Appendix A

PM ENVIRONMENTAL Environmental & Engineering Services

LANCE R. LEFLEUR
DIRECTOR

KAY IVEY
GOVERNOR

Alabama Department of Environmental Management
adem.alabama.gov
1400 Coliseum Blvd. 36110-2400 ▪ Post Office Box 301463
Montgomery, Alabama 36130-1463
(334) 271-7700 ▪ FAX (334) 271-7950

March 15, 2018

MEMORANDUM

TO: FileNet
Industrial Hazardous Waste Branch
Land Division

THROUGH: Richard Messer, Chief
Engineering Services Section
Industrial Hazardous Waste Branch
Land Division

FROM: Tamaria L. McAlpin
Engineering Services Section
Industrial Hazardous Waste Branch
Land Division

Subject: Executive Summary
Delta Automotive Inc. (BRAL Holding LLC)
130 South Atlanta Avenue, Sheffield, Colbert, Alabama
USEPA ID Number: ALD 982123127; Master ID 3825

The Alabama Department of Environmental Management (ADEM) has recently completed a review of the Delta Automotive Inc. (BRAL Holding LLC) located at 130 South Atlanta Avenue, Sheffield, Colbert, Alabama and provides the following executive summary.

Executive Summary

Site Description: The site was defined as very level, with immediate surface water drainage toward the south and southwest. Water-level measurements obtained from site monitoring wells show that groundwater flow in the shallow flow zone is overall to the northwest. Groundwater flow in the deep Tuscumbia-Fort Payne aquifer flow zone appears to be northwest. Regional surface and groundwater flow is ultimately towards Pickwick Lake, located to the north and west, slightly more than a mile from the site. There is no residential use of groundwater in the Sheffield, Alabama area. The Sheffield area derives its public water supply from Pickwick Lake, at a pumping station located about 2.3 miles downstream from the O'Neal Bridge.

History: The facility operated as an auto parts remanufacturing facility in Sheffield, Colbert County, Alabama. Facility operations began in the Sheffield area in 1971. During this time the facility remanufactured transmission parts and automobile front wheel drive axles. As a result, the facility maintained a parts cleaning operation until it was discontinued around1979. Spent solvents (F001, F002, and F005) from this operation, located in the former drum storage areas, were determined to have

contaminated the soil in the central portion of the property. There were known releases of spent solvents (F001 and F005) through the cracked bases of the building which led to soil and groundwater contamination. A closure plan for permanent closure of the area with soil contamination as a landfill was submitted to ADEM on August 22, 1997 and revised on February 5, 1998. However, due to groundwater contamination clean closure was not achieved.

Closure: The closure plan for permanent closure of the area with soil contamination as a landfill was submitted to ADEM on August 22, 1997 and revised on February 5, 1998. The closure plan developed and approved for the facility employed the use of an Alternative Cap System that would allow Delta to utilize the Waste Contamination Unit (WCU) for the construction of a new warehouse building. The closure plan was approved on March 17, 1998. A Certification of Closure was submitted to ADEM on September 21, 1998.

Post Closure: The units that were subject to the post closure requirements included three former drum storage areas. The facility applied for a post closure permit in 1997. On April 1, 2001, ADEM issued a post-closure permit to Delta Automotive, Inc., with an expiration date of April 1, 2011. On February 25, 2004 an NOV was issued to the facility for failure to establish financial assurance in the amount of $786,991.00. On August 14, 2004, Delta Automotive requested a post closure permit modification move from the compliance monitoring program to a detection monitoring. The post-closure permit was modified on December 22, 2004.

EPA Intervention: Between January 14, 2008 and May 11, 2009, BRAL Holdings acquired the facility/business and was operating under the name of Global Green Holding. On March 2, 2010, ADEM referred BRAL Holdings, LLC to the USEPA due to failure to obtain a post-closure permit, and failure to establish financial assurance. On November 19, 2010 the EPA sent BRAL a "Notice of Violation and Opportunity to Show Cause". On June 21, 2011 the EPA issued a Consent Agreement and Final Order (CA/FO). A civil penalty in the amount of $26,187.00 was imposed. There has been no record of this penalty being paid.

Waste Contamination Unit (WCU) Maintenance: Maintenance on the WCU was done monthly, with visual inspections for only cracks and crevices. There was no surface erosion anticipated. Groundwater monitoring wells were checked during the sampling and analysis events. There is no known record of any maintenance after the facility was bought by BRAL holding.

Frequently Asked Questions

- **What is the current status of the groundwater monitoring?**

  The last semi-annual groundwater sampling events were conducted March 16, 1999, and September 15, 1999. Based on a review of this report, it appears that onsite contamination (1,1-Dichloroethene, 1,1-Dichloroethane, 1,1,1 Trchloroethane and Trichloroethene) was present in the area of MW-5 located in the central portion of the site. No constituents of concern were detected at concentrations above the published MCLs in any of the down gradient wells. There are no immediate downgradient, off-site or on-site drinking water uses for groundwater.

- **Is groundwater monitoring the main "cleanup work" left?**

  Yes, groundwater monitoring is the main "cleanup work" left for the site. Groundwater monitoring will ensure that the WCU is adequately addressing any residual soil contamination from historical processes on-site.

- **Which entity is the listed owner for the property? We know that the 2009 foreclosure deed was voided, but did the property go back to BRAL? Is BRAL the listed owner per the tax records (we looked, but couldn't find the address in the online system)?**

  The facility is currently owned by the State of Alabama as of 2012. We were able to find the facility with Parcel# 20-07-08-33-1-007-001.00

- **How many years of back taxes are owed?**

  According to the State of Alabama- Department of Revenue-Property Tax Division Transcript of Tax Delinquent Land available for sale, as of 01/16/2018 the amount Bid at Tax Sale in 2013 was $13,049.91. It was up for tax sale in 2012 but no one purchased.

ADEM TRIP Report **(double click to view)**



EPA Consent Agreement and Final Order (CA/FO) **(double click to view)**



Appendix B

PM ENVIRONMENTAL Environmental & Engineering Services

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

January 08, 2020

PM Environmental, Inc.

Sample Delivery Group:	L1175133
Samples Received:	12/31/2019
Project Number:	
Description:	

Report To: Ms. Suzy Evans
717 Highway 67 South, Suite 26
Decatur, AL 35603-6351

Entire Report Reviewed By:

Craig Cothron
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



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Mercury by Method 7470A 21

Metals (ICP) by Method 6010B 22

Volatile Organic Compounds (GC/MS) by Method 8260B 23

Gl: Glossary of Terms 27

Al: Accreditations & Locations 28

Sc: Sample Chain of Custody 29

MW-7 L1175133-02 GW

Collected by: Josh Schultz | Collected date/time: 12/30/19 09:50 | Received date/time: 12/31/19 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9066	WG1406570	1	01/07/20 12:06	01/08/20 10:34	SDL	Mt. Juliet, TN
Mercury by Method 7470A	WG1404807	1	12/31/19 20:15	01/02/20 09:19	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1404907	1	01/02/20 09:57	01/04/20 14:21	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1404845	1	01/01/20 03:01	01/01/20 03:01	ADM	Mt. Juliet, TN

MW-9 L1175133-03 GW

Collected by: Josh Schultz | Collected date/time: 12/30/19 11:27 | Received date/time: 12/31/19 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9066	WG1406570	1	01/07/20 12:06	01/08/20 10:35	SDL	Mt. Juliet, TN
Mercury by Method 7470A	WG1404807	1	12/31/19 20:15	01/02/20 09:21	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1404907	1	01/02/20 09:57	01/04/20 14:24	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1404845	1	01/01/20 03:23	01/01/20 03:23	ADM	Mt. Juliet, TN

MW-10 L1175133-04 GW

Collected by: Josh Schultz | Collected date/time: 12/30/19 09:05 | Received date/time: 12/31/19 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9066	WG1406570	1	01/07/20 12:06	01/08/20 10:36	SDL	Mt. Juliet, TN
Mercury by Method 7470A	WG1404807	1	12/31/19 20:15	01/02/20 09:23	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1404907	1	01/02/20 09:57	01/04/20 14:27	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1404845	1	01/01/20 03:44	01/01/20 03:44	ADM	Mt. Juliet, TN

MW-12 L1175133-05 GW

Collected by: Josh Schultz | Collected date/time: 12/30/19 10:05 | Received date/time: 12/31/19 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9066	WG1406570	1	01/07/20 12:06	01/08/20 10:36	SDL	Mt. Juliet, TN
Mercury by Method 7470A	WG1404807	1	12/31/19 20:15	01/02/20 09:24	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1404907	1	01/02/20 09:57	01/04/20 14:35	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1404845	1	01/01/20 04:05	01/01/20 04:05	ADM	Mt. Juliet, TN

MW-14 L1175133-06 GW

Collected by: Josh Schultz | Collected date/time: 12/30/19 14:07 | Received date/time: 12/31/19 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9066	WG1406570	1	01/07/20 12:06	01/08/20 10:37	SDL	Mt. Juliet, TN
Mercury by Method 7470A	WG1404807	1	12/31/19 20:15	01/02/20 09:26	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1404907	1	01/02/20 09:57	01/04/20 14:38	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1404845	1	01/01/20 04:26	01/01/20 04:26	ADM	Mt. Juliet, TN

MW-15 L1175133-07 GW

Collected by: Josh Schultz | Collected date/time: 12/30/19 13:40 | Received date/time: 12/31/19 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9066	WG1406570	1	01/07/20 12:06	01/08/20 10:38	SDL	Mt. Juliet, TN
Mercury by Method 7470A	WG1404807	1	12/31/19 20:15	01/02/20 09:28	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1404907	1	01/02/20 09:57	01/04/20 14:40	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1404845	1	01/01/20 04:48	01/01/20 04:48	ADM	Mt. Juliet, TN

TRIP BLANK L1175133-08 GW

Collected by	Collected date/time	Received date/time
Josh Schultz	12/30/19 00:00	12/31/19 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1404845	1	12/31/19 21:56	12/31/19 21:56	ADM	Mt. Juliet, TN

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Craig Cothron
Project Manager

Wet Chemistry by Method 9066

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Total Phenol by 4AAP	ND		40.0	1	01/08/2020 10:34	WG1406570

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Mercury	ND		0.200	1	01/02/2020 09:19	WG1404807

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Aluminum	ND		200	1	01/04/2020 14:21	WG1404907
Arsenic	ND		10.0	1	01/04/2020 14:21	WG1404907
Barium	60.7		5.00	1	01/04/2020 14:21	WG1404907
Cadmium	ND		2.00	1	01/04/2020 14:21	WG1404907
Chromium	ND		10.0	1	01/04/2020 14:21	WG1404907
Lead	ND		5.00	1	01/04/2020 14:21	WG1404907
Selenium	ND		10.0	1	01/04/2020 14:21	WG1404907
Silver	ND		5.00	1	01/04/2020 14:21	WG1404907
Zinc	ND		50.0	1	01/04/2020 14:21	WG1404907

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Acetone	ND		50.0	1	01/01/2020 03:01	WG1404845
Acrolein	ND		50.0	1	01/01/2020 03:01	WG1404845
Acrylonitrile	ND		10.0	1	01/01/2020 03:01	WG1404845
Benzene	ND		1.00	1	01/01/2020 03:01	WG1404845
Bromobenzene	ND		1.00	1	01/01/2020 03:01	WG1404845
Bromodichloromethane	ND		1.00	1	01/01/2020 03:01	WG1404845
Bromoform	ND		1.00	1	01/01/2020 03:01	WG1404845
Bromomethane	ND		5.00	1	01/01/2020 03:01	WG1404845
n-Butylbenzene	ND		1.00	1	01/01/2020 03:01	WG1404845
sec-Butylbenzene	ND		1.00	1	01/01/2020 03:01	WG1404845
tert-Butylbenzene	ND		1.00	1	01/01/2020 03:01	WG1404845
Carbon tetrachloride	ND		1.00	1	01/01/2020 03:01	WG1404845
Chlorobenzene	ND		1.00	1	01/01/2020 03:01	WG1404845
Chlorodibromomethane	ND		1.00	1	01/01/2020 03:01	WG1404845
Chloroethane	ND		5.00	1	01/01/2020 03:01	WG1404845
2-Chloroethyl vinyl ether	ND		50.0	1	01/01/2020 03:01	WG1404845
Chloroform	ND		5.00	1	01/01/2020 03:01	WG1404845
Chloromethane	ND		2.50	1	01/01/2020 03:01	WG1404845
2-Chlorotoluene	ND		1.00	1	01/01/2020 03:01	WG1404845
4-Chlorotoluene	ND		1.00	1	01/01/2020 03:01	WG1404845
1,2-Dibromo-3-Chloropropane	ND		5.00	1	01/01/2020 03:01	WG1404845
1,2-Dibromoethane	ND		1.00	1	01/01/2020 03:01	WG1404845
Dibromomethane	ND		1.00	1	01/01/2020 03:01	WG1404845
1,2-Dichlorobenzene	ND		1.00	1	01/01/2020 03:01	WG1404845
1,3-Dichlorobenzene	ND		1.00	1	01/01/2020 03:01	WG1404845
1,4-Dichlorobenzene	ND		1.00	1	01/01/2020 03:01	WG1404845
Dichlorodifluoromethane	ND		5.00	1	01/01/2020 03:01	WG1404845
1,1-Dichloroethane	ND		1.00	1	01/01/2020 03:01	WG1404845
1,2-Dichloroethane	ND		1.00	1	01/01/2020 03:01	WG1404845
1,1-Dichloroethene	ND		1.00	1	01/01/2020 03:01	WG1404845
cis-1,2-Dichloroethene	ND		1.00	1	01/01/2020 03:01	WG1404845

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
trans-1,2-Dichloroethene	ND		1.00	1	01/01/2020 03:01	WG1404845
1,2-Dichloropropane	ND		1.00	1	01/01/2020 03:01	WG1404845
1,1-Dichloropropene	ND		1.00	1	01/01/2020 03:01	WG1404845
1,3-Dichloropropane	ND		1.00	1	01/01/2020 03:01	WG1404845
cis-1,3-Dichloropropene	ND		1.00	1	01/01/2020 03:01	WG1404845
trans-1,3-Dichloropropene	ND		1.00	1	01/01/2020 03:01	WG1404845
2,2-Dichloropropane	ND		1.00	1	01/01/2020 03:01	WG1404845
Di-isopropyl ether	ND		1.00	1	01/01/2020 03:01	WG1404845
Ethylbenzene	ND		1.00	1	01/01/2020 03:01	WG1404845
Hexachloro-1,3-butadiene	ND		1.00	1	01/01/2020 03:01	WG1404845
Isopropylbenzene	ND		1.00	1	01/01/2020 03:01	WG1404845
p-Isopropyltoluene	ND		1.00	1	01/01/2020 03:01	WG1404845
2-Butanone (MEK)	ND		10.0	1	01/01/2020 03:01	WG1404845
Methylene Chloride	ND		5.00	1	01/01/2020 03:01	WG1404845
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	01/01/2020 03:01	WG1404845
Methyl tert-butyl ether	ND		1.00	1	01/01/2020 03:01	WG1404845
Naphthalene	ND		5.00	1	01/01/2020 03:01	WG1404845
n-Propylbenzene	ND		1.00	1	01/01/2020 03:01	WG1404845
Styrene	ND		1.00	1	01/01/2020 03:01	WG1404845
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/01/2020 03:01	WG1404845
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/01/2020 03:01	WG1404845
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	01/01/2020 03:01	WG1404845
Tetrachloroethene	ND		1.00	1	01/01/2020 03:01	WG1404845
Toluene	ND		1.00	1	01/01/2020 03:01	WG1404845
1,2,3-Trichlorobenzene	ND		1.00	1	01/01/2020 03:01	WG1404845
1,2,4-Trichlorobenzene	ND		1.00	1	01/01/2020 03:01	WG1404845
1,1,1-Trichloroethane	ND		1.00	1	01/01/2020 03:01	WG1404845
1,1,2-Trichloroethane	ND		1.00	1	01/01/2020 03:01	WG1404845
Trichloroethene	ND		1.00	1	01/01/2020 03:01	WG1404845
Trichlorofluoromethane	ND		5.00	1	01/01/2020 03:01	WG1404845
1,2,3-Trichloropropane	ND		2.50	1	01/01/2020 03:01	WG1404845
1,2,4-Trimethylbenzene	ND		1.00	1	01/01/2020 03:01	WG1404845
1,2,3-Trimethylbenzene	ND		1.00	1	01/01/2020 03:01	WG1404845
1,3,5-Trimethylbenzene	ND		1.00	1	01/01/2020 03:01	WG1404845
Vinyl chloride	ND		1.00	1	01/01/2020 03:01	WG1404845
Xylenes, Total	ND		3.00	1	01/01/2020 03:01	WG1404845
(S) Toluene-d8	*107*		*80.0-120*		*01/01/2020 03:01*	WG1404845
(S) 4-Bromofluorobenzene	*95.0*		*77.0-126*		*01/01/2020 03:01*	WG1404845
(S) 1,2-Dichloroethane-d4	*78.8*		*70.0-130*		*01/01/2020 03:01*	WG1404845

Wet Chemistry by Method 9066

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Total Phenol by 4AAP	ND		40.0	1	01/08/2020 10:35	WG1406570

Mercury by Method 7470A

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Mercury	ND		0.200	1	01/02/2020 09:21	WG1404807

Metals (ICP) by Method 6010B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Aluminum	32800		200	1	01/04/2020 14:24	WG1404907
Arsenic	ND		10.0	1	01/04/2020 14:24	WG1404907
Barium	206		5.00	1	01/04/2020 14:24	WG1404907
Cadmium	ND		2.00	1	01/04/2020 14:24	WG1404907
Chromium	43.0		10.0	1	01/04/2020 14:24	WG1404907
Lead	59.8		5.00	1	01/04/2020 14:24	WG1404907
Selenium	ND		10.0	1	01/04/2020 14:24	WG1404907
Silver	ND		5.00	1	01/04/2020 14:24	WG1404907
Zinc	194		50.0	1	01/04/2020 14:24	WG1404907

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	01/01/2020 03:23	WG1404845
Acrolein	ND		50.0	1	01/01/2020 03:23	WG1404845
Acrylonitrile	ND		10.0	1	01/01/2020 03:23	WG1404845
Benzene	ND		1.00	1	01/01/2020 03:23	WG1404845
Bromobenzene	ND		1.00	1	01/01/2020 03:23	WG1404845
Bromodichloromethane	ND		1.00	1	01/01/2020 03:23	WG1404845
Bromoform	ND		1.00	1	01/01/2020 03:23	WG1404845
Bromomethane	ND		5.00	1	01/01/2020 03:23	WG1404845
n-Butylbenzene	ND		1.00	1	01/01/2020 03:23	WG1404845
sec-Butylbenzene	ND		1.00	1	01/01/2020 03:23	WG1404845
tert-Butylbenzene	ND		1.00	1	01/01/2020 03:23	WG1404845
Carbon tetrachloride	ND		1.00	1	01/01/2020 03:23	WG1404845
Chlorobenzene	ND		1.00	1	01/01/2020 03:23	WG1404845
Chlorodibromomethane	ND		1.00	1	01/01/2020 03:23	WG1404845
Chloroethane	ND		5.00	1	01/01/2020 03:23	WG1404845
2-Chloroethyl vinyl ether	ND		50.0	1	01/01/2020 03:23	WG1404845
Chloroform	ND		5.00	1	01/01/2020 03:23	WG1404845
Chloromethane	ND		2.50	1	01/01/2020 03:23	WG1404845
2-Chlorotoluene	ND		1.00	1	01/01/2020 03:23	WG1404845
4-Chlorotoluene	ND		1.00	1	01/01/2020 03:23	WG1404845
1,2-Dibromo-3-Chloropropane	ND		5.00	1	01/01/2020 03:23	WG1404845
1,2-Dibromoethane	ND		1.00	1	01/01/2020 03:23	WG1404845
Dibromomethane	ND		1.00	1	01/01/2020 03:23	WG1404845
1,2-Dichlorobenzene	ND		1.00	1	01/01/2020 03:23	WG1404845
1,3-Dichlorobenzene	ND		1.00	1	01/01/2020 03:23	WG1404845
1,4-Dichlorobenzene	ND		1.00	1	01/01/2020 03:23	WG1404845
Dichlorodifluoromethane	ND		5.00	1	01/01/2020 03:23	WG1404845
1,1-Dichloroethane	ND		1.00	1	01/01/2020 03:23	WG1404845
1,2-Dichloroethane	ND		1.00	1	01/01/2020 03:23	WG1404845
1,1-Dichloroethene	ND		1.00	1	01/01/2020 03:23	WG1404845
cis-1,2-Dichloroethene	ND		1.00	1	01/01/2020 03:23	WG1404845

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
trans-1,2-Dichloroethene	ND		1.00	1	01/01/2020 03:23	WG1404845
1,2-Dichloropropane	ND		1.00	1	01/01/2020 03:23	WG1404845
1,1-Dichloropropene	ND		1.00	1	01/01/2020 03:23	WG1404845
1,3-Dichloropropane	ND		1.00	1	01/01/2020 03:23	WG1404845
cis-1,3-Dichloropropene	ND		1.00	1	01/01/2020 03:23	WG1404845
trans-1,3-Dichloropropene	ND		1.00	1	01/01/2020 03:23	WG1404845
2,2-Dichloropropane	ND		1.00	1	01/01/2020 03:23	WG1404845
Di-isopropyl ether	ND		1.00	1	01/01/2020 03:23	WG1404845
Ethylbenzene	ND		1.00	1	01/01/2020 03:23	WG1404845
Hexachloro-1,3-butadiene	ND		1.00	1	01/01/2020 03:23	WG1404845
Isopropylbenzene	ND		1.00	1	01/01/2020 03:23	WG1404845
p-Isopropyltoluene	ND		1.00	1	01/01/2020 03:23	WG1404845
2-Butanone (MEK)	ND		10.0	1	01/01/2020 03:23	WG1404845
Methylene Chloride	ND		5.00	1	01/01/2020 03:23	WG1404845
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	01/01/2020 03:23	WG1404845
Methyl tert-butyl ether	ND		1.00	1	01/01/2020 03:23	WG1404845
Naphthalene	ND		5.00	1	01/01/2020 03:23	WG1404845
n-Propylbenzene	ND		1.00	1	01/01/2020 03:23	WG1404845
Styrene	ND		1.00	1	01/01/2020 03:23	WG1404845
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/01/2020 03:23	WG1404845
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/01/2020 03:23	WG1404845
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	01/01/2020 03:23	WG1404845
Tetrachloroethene	ND		1.00	1	01/01/2020 03:23	WG1404845
Toluene	ND		1.00	1	01/01/2020 03:23	WG1404845
1,2,3-Trichlorobenzene	ND		1.00	1	01/01/2020 03:23	WG1404845
1,2,4-Trichlorobenzene	ND		1.00	1	01/01/2020 03:23	WG1404845
1,1,1-Trichloroethane	ND		1.00	1	01/01/2020 03:23	WG1404845
1,1,2-Trichloroethane	ND		1.00	1	01/01/2020 03:23	WG1404845
Trichloroethene	ND		1.00	1	01/01/2020 03:23	WG1404845
Trichlorofluoromethane	ND		5.00	1	01/01/2020 03:23	WG1404845
1,2,3-Trichloropropane	ND		2.50	1	01/01/2020 03:23	WG1404845
1,2,4-Trimethylbenzene	ND		1.00	1	01/01/2020 03:23	WG1404845
1,2,3-Trimethylbenzene	ND		1.00	1	01/01/2020 03:23	WG1404845
1,3,5-Trimethylbenzene	ND		1.00	1	01/01/2020 03:23	WG1404845
Vinyl chloride	ND		1.00	1	01/01/2020 03:23	WG1404845
Xylenes, Total	ND		3.00	1	01/01/2020 03:23	WG1404845
(S) Toluene-d8	*108*		*80.0-120*		*01/01/2020 03:23*	WG1404845
(S) 4-Bromofluorobenzene	*93.4*		*77.0-126*		*01/01/2020 03:23*	WG1404845
(S) 1,2-Dichloroethane-d4	*81.5*		*70.0-130*		*01/01/2020 03:23*	WG1404845

Wet Chemistry by Method 9066

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Total Phenol by 4AAP	ND		40.0	1	01/08/2020 10:36	WG1406570

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Mercury	ND		0.200	1	01/02/2020 09:23	WG1404807

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Aluminum	7310		200	1	01/04/2020 14:27	WG1404907
Arsenic	ND		10.0	1	01/04/2020 14:27	WG1404907
Barium	68.1		5.00	1	01/04/2020 14:27	WG1404907
Cadmium	ND		2.00	1	01/04/2020 14:27	WG1404907
Chromium	ND		10.0	1	01/04/2020 14:27	WG1404907
Lead	5.75		5.00	1	01/04/2020 14:27	WG1404907
Selenium	ND		10.0	1	01/04/2020 14:27	WG1404907
Silver	ND		5.00	1	01/04/2020 14:27	WG1404907
Zinc	69.6		50.0	1	01/04/2020 14:27	WG1404907

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Acetone	ND		50.0	1	01/01/2020 03:44	WG1404845
Acrolein	ND		50.0	1	01/01/2020 03:44	WG1404845
Acrylonitrile	ND		10.0	1	01/01/2020 03:44	WG1404845
Benzene	ND		1.00	1	01/01/2020 03:44	WG1404845
Bromobenzene	ND		1.00	1	01/01/2020 03:44	WG1404845
Bromodichloromethane	ND		1.00	1	01/01/2020 03:44	WG1404845
Bromoform	ND		1.00	1	01/01/2020 03:44	WG1404845
Bromomethane	ND		5.00	1	01/01/2020 03:44	WG1404845
n-Butylbenzene	ND		1.00	1	01/01/2020 03:44	WG1404845
sec-Butylbenzene	ND		1.00	1	01/01/2020 03:44	WG1404845
tert-Butylbenzene	ND		1.00	1	01/01/2020 03:44	WG1404845
Carbon tetrachloride	ND		1.00	1	01/01/2020 03:44	WG1404845
Chlorobenzene	ND		1.00	1	01/01/2020 03:44	WG1404845
Chlorodibromomethane	ND		1.00	1	01/01/2020 03:44	WG1404845
Chloroethane	ND		5.00	1	01/01/2020 03:44	WG1404845
2-Chloroethyl vinyl ether	ND		50.0	1	01/01/2020 03:44	WG1404845
Chloroform	ND		5.00	1	01/01/2020 03:44	WG1404845
Chloromethane	ND		2.50	1	01/01/2020 03:44	WG1404845
2-Chlorotoluene	ND		1.00	1	01/01/2020 03:44	WG1404845
4-Chlorotoluene	ND		1.00	1	01/01/2020 03:44	WG1404845
1,2-Dibromo-3-Chloropropane	ND		5.00	1	01/01/2020 03:44	WG1404845
1,2-Dibromoethane	ND		1.00	1	01/01/2020 03:44	WG1404845
Dibromomethane	ND		1.00	1	01/01/2020 03:44	WG1404845
1,2-Dichlorobenzene	ND		1.00	1	01/01/2020 03:44	WG1404845
1,3-Dichlorobenzene	ND		1.00	1	01/01/2020 03:44	WG1404845
1,4-Dichlorobenzene	ND		1.00	1	01/01/2020 03:44	WG1404845
Dichlorodifluoromethane	ND		5.00	1	01/01/2020 03:44	WG1404845
1,1-Dichloroethane	ND		1.00	1	01/01/2020 03:44	WG1404845
1,2-Dichloroethane	ND		1.00	1	01/01/2020 03:44	WG1404845
1,1-Dichloroethene	ND		1.00	1	01/01/2020 03:44	WG1404845
cis-1,2-Dichloroethene	ND		1.00	1	01/01/2020 03:44	WG1404845

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
trans-1,2-Dichloroethene	ND		1.00	1	01/01/2020 03:44	WG1404845
1,2-Dichloropropane	ND		1.00	1	01/01/2020 03:44	WG1404845
1,1-Dichloropropene	ND		1.00	1	01/01/2020 03:44	WG1404845
1,3-Dichloropropane	ND		1.00	1	01/01/2020 03:44	WG1404845
cis-1,3-Dichloropropene	ND		1.00	1	01/01/2020 03:44	WG1404845
trans-1,3-Dichloropropene	ND		1.00	1	01/01/2020 03:44	WG1404845
2,2-Dichloropropane	ND		1.00	1	01/01/2020 03:44	WG1404845
Di-isopropyl ether	ND		1.00	1	01/01/2020 03:44	WG1404845
Ethylbenzene	ND		1.00	1	01/01/2020 03:44	WG1404845
Hexachloro-1,3-butadiene	ND		1.00	1	01/01/2020 03:44	WG1404845
Isopropylbenzene	ND		1.00	1	01/01/2020 03:44	WG1404845
p-Isopropyltoluene	ND		1.00	1	01/01/2020 03:44	WG1404845
2-Butanone (MEK)	ND		10.0	1	01/01/2020 03:44	WG1404845
Methylene Chloride	ND		5.00	1	01/01/2020 03:44	WG1404845
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	01/01/2020 03:44	WG1404845
Methyl tert-butyl ether	1.23		1.00	1	01/01/2020 03:44	WG1404845
Naphthalene	ND		5.00	1	01/01/2020 03:44	WG1404845
n-Propylbenzene	ND		1.00	1	01/01/2020 03:44	WG1404845
Styrene	ND		1.00	1	01/01/2020 03:44	WG1404845
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/01/2020 03:44	WG1404845
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/01/2020 03:44	WG1404845
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	01/01/2020 03:44	WG1404845
Tetrachloroethene	ND		1.00	1	01/01/2020 03:44	WG1404845
Toluene	ND		1.00	1	01/01/2020 03:44	WG1404845
1,2,3-Trichlorobenzene	ND		1.00	1	01/01/2020 03:44	WG1404845
1,2,4-Trichlorobenzene	ND		1.00	1	01/01/2020 03:44	WG1404845
1,1,1-Trichloroethane	ND		1.00	1	01/01/2020 03:44	WG1404845
1,1,2-Trichloroethane	ND		1.00	1	01/01/2020 03:44	WG1404845
Trichloroethene	ND		1.00	1	01/01/2020 03:44	WG1404845
Trichlorofluoromethane	ND		5.00	1	01/01/2020 03:44	WG1404845
1,2,3-Trichloropropane	ND		2.50	1	01/01/2020 03:44	WG1404845
1,2,4-Trimethylbenzene	ND		1.00	1	01/01/2020 03:44	WG1404845
1,2,3-Trimethylbenzene	ND		1.00	1	01/01/2020 03:44	WG1404845
1,3,5-Trimethylbenzene	ND		1.00	1	01/01/2020 03:44	WG1404845
Vinyl chloride	ND		1.00	1	01/01/2020 03:44	WG1404845
Xylenes, Total	ND		3.00	1	01/01/2020 03:44	WG1404845
(S) Toluene-d8	*108*		*80.0-120*		*01/01/2020 03:44*	WG1404845
(S) 4-Bromofluorobenzene	*95.0*		*77.0-126*		*01/01/2020 03:44*	WG1404845
(S) 1,2-Dichloroethane-d4	*78.6*		*70.0-130*		*01/01/2020 03:44*	WG1404845

Wet Chemistry by Method 9066

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Total Phenol by 4AAP	ND		40.0	1	01/08/2020 10:36	WG1406570

Mercury by Method 7470A

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Mercury	ND		0.200	1	01/02/2020 09:24	WG1404807

Metals (ICP) by Method 6010B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Aluminum	1830		200	1	01/04/2020 14:35	WG1404907
Arsenic	ND		10.0	1	01/04/2020 14:35	WG1404907
Barium	285		5.00	1	01/04/2020 14:35	WG1404907
Cadmium	ND		2.00	1	01/04/2020 14:35	WG1404907
Chromium	ND		10.0	1	01/04/2020 14:35	WG1404907
Lead	13.1		5.00	1	01/04/2020 14:35	WG1404907
Selenium	ND		10.0	1	01/04/2020 14:35	WG1404907
Silver	ND		5.00	1	01/04/2020 14:35	WG1404907
Zinc	57.3		50.0	1	01/04/2020 14:35	WG1404907

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	01/01/2020 04:05	WG1404845
Acrolein	ND		50.0	1	01/01/2020 04:05	WG1404845
Acrylonitrile	ND		10.0	1	01/01/2020 04:05	WG1404845
Benzene	ND		1.00	1	01/01/2020 04:05	WG1404845
Bromobenzene	ND		1.00	1	01/01/2020 04:05	WG1404845
Bromodichloromethane	ND		1.00	1	01/01/2020 04:05	WG1404845
Bromoform	ND		1.00	1	01/01/2020 04:05	WG1404845
Bromomethane	ND		5.00	1	01/01/2020 04:05	WG1404845
n-Butylbenzene	ND		1.00	1	01/01/2020 04:05	WG1404845
sec-Butylbenzene	ND		1.00	1	01/01/2020 04:05	WG1404845
tert-Butylbenzene	ND		1.00	1	01/01/2020 04:05	WG1404845
Carbon tetrachloride	ND		1.00	1	01/01/2020 04:05	WG1404845
Chlorobenzene	ND		1.00	1	01/01/2020 04:05	WG1404845
Chlorodibromomethane	ND		1.00	1	01/01/2020 04:05	WG1404845
Chloroethane	ND		5.00	1	01/01/2020 04:05	WG1404845
2-Chloroethyl vinyl ether	ND		50.0	1	01/01/2020 04:05	WG1404845
Chloroform	ND		5.00	1	01/01/2020 04:05	WG1404845
Chloromethane	ND		2.50	1	01/01/2020 04:05	WG1404845
2-Chlorotoluene	ND		1.00	1	01/01/2020 04:05	WG1404845
4-Chlorotoluene	ND		1.00	1	01/01/2020 04:05	WG1404845
1,2-Dibromo-3-Chloropropane	ND		5.00	1	01/01/2020 04:05	WG1404845
1,2-Dibromoethane	ND		1.00	1	01/01/2020 04:05	WG1404845
Dibromomethane	ND		1.00	1	01/01/2020 04:05	WG1404845
1,2-Dichlorobenzene	ND		1.00	1	01/01/2020 04:05	WG1404845
1,3-Dichlorobenzene	ND		1.00	1	01/01/2020 04:05	WG1404845
1,4-Dichlorobenzene	ND		1.00	1	01/01/2020 04:05	WG1404845
Dichlorodifluoromethane	ND		5.00	1	01/01/2020 04:05	WG1404845
1,1-Dichloroethane	ND		1.00	1	01/01/2020 04:05	WG1404845
1,2-Dichloroethane	ND		1.00	1	01/01/2020 04:05	WG1404845
1,1-Dichloroethene	ND		1.00	1	01/01/2020 04:05	WG1404845
cis-1,2-Dichloroethene	ND		1.00	1	01/01/2020 04:05	WG1404845

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
trans-1,2-Dichloroethene	ND		1.00	1	01/01/2020 04:05	WG1404845
1,2-Dichloropropane	ND		1.00	1	01/01/2020 04:05	WG1404845
1,1-Dichloropropene	ND		1.00	1	01/01/2020 04:05	WG1404845
1,3-Dichloropropane	ND		1.00	1	01/01/2020 04:05	WG1404845
cis-1,3-Dichloropropene	ND		1.00	1	01/01/2020 04:05	WG1404845
trans-1,3-Dichloropropene	ND		1.00	1	01/01/2020 04:05	WG1404845
2,2-Dichloropropane	ND		1.00	1	01/01/2020 04:05	WG1404845
Di-isopropyl ether	ND		1.00	1	01/01/2020 04:05	WG1404845
Ethylbenzene	ND		1.00	1	01/01/2020 04:05	WG1404845
Hexachloro-1,3-butadiene	ND		1.00	1	01/01/2020 04:05	WG1404845
Isopropylbenzene	ND		1.00	1	01/01/2020 04:05	WG1404845
p-Isopropyltoluene	ND		1.00	1	01/01/2020 04:05	WG1404845
2-Butanone (MEK)	ND		10.0	1	01/01/2020 04:05	WG1404845
Methylene Chloride	ND		5.00	1	01/01/2020 04:05	WG1404845
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	01/01/2020 04:05	WG1404845
Methyl tert-butyl ether	ND		1.00	1	01/01/2020 04:05	WG1404845
Naphthalene	ND		5.00	1	01/01/2020 04:05	WG1404845
n-Propylbenzene	ND		1.00	1	01/01/2020 04:05	WG1404845
Styrene	ND		1.00	1	01/01/2020 04:05	WG1404845
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/01/2020 04:05	WG1404845
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/01/2020 04:05	WG1404845
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	01/01/2020 04:05	WG1404845
Tetrachloroethene	ND		1.00	1	01/01/2020 04:05	WG1404845
Toluene	ND		1.00	1	01/01/2020 04:05	WG1404845
1,2,3-Trichlorobenzene	ND		1.00	1	01/01/2020 04:05	WG1404845
1,2,4-Trichlorobenzene	ND		1.00	1	01/01/2020 04:05	WG1404845
1,1,1-Trichloroethane	ND		1.00	1	01/01/2020 04:05	WG1404845
1,1,2-Trichloroethane	ND		1.00	1	01/01/2020 04:05	WG1404845
Trichloroethene	ND		1.00	1	01/01/2020 04:05	WG1404845
Trichlorofluoromethane	ND		5.00	1	01/01/2020 04:05	WG1404845
1,2,3-Trichloropropane	ND		2.50	1	01/01/2020 04:05	WG1404845
1,2,4-Trimethylbenzene	ND		1.00	1	01/01/2020 04:05	WG1404845
1,2,3-Trimethylbenzene	ND		1.00	1	01/01/2020 04:05	WG1404845
1,3,5-Trimethylbenzene	ND		1.00	1	01/01/2020 04:05	WG1404845
Vinyl chloride	ND		1.00	1	01/01/2020 04:05	WG1404845
Xylenes, Total	ND		3.00	1	01/01/2020 04:05	WG1404845
(S) Toluene-d8	*108*		*80.0-120*		*01/01/2020 04:05*	WG1404845
(S) 4-Bromofluorobenzene	*94.1*		*77.0-126*		*01/01/2020 04:05*	WG1404845
(S) 1,2-Dichloroethane-d4	*79.2*		*70.0-130*		*01/01/2020 04:05*	WG1404845

Wet Chemistry by Method 9066

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Total Phenol by 4AAP	ND		40.0	1	01/08/2020 10:37	WG1406570

Mercury by Method 7470A

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Mercury	ND		0.200	1	01/02/2020 09:26	WG1404807

Metals (ICP) by Method 6010B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Aluminum	279	B	200	1	01/04/2020 14:38	WG1404907
Arsenic	ND		10.0	1	01/04/2020 14:38	WG1404907
Barium	130		5.00	1	01/04/2020 14:38	WG1404907
Cadmium	ND		2.00	1	01/04/2020 14:38	WG1404907
Chromium	ND		10.0	1	01/04/2020 14:38	WG1404907
Lead	ND		5.00	1	01/04/2020 14:38	WG1404907
Selenium	ND		10.0	1	01/04/2020 14:38	WG1404907
Silver	ND		5.00	1	01/04/2020 14:38	WG1404907
Zinc	ND		50.0	1	01/04/2020 14:38	WG1404907

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	01/01/2020 04:26	WG1404845
Acrolein	ND		50.0	1	01/01/2020 04:26	WG1404845
Acrylonitrile	ND		10.0	1	01/01/2020 04:26	WG1404845
Benzene	ND		1.00	1	01/01/2020 04:26	WG1404845
Bromobenzene	ND		1.00	1	01/01/2020 04:26	WG1404845
Bromodichloromethane	ND		1.00	1	01/01/2020 04:26	WG1404845
Bromoform	ND		1.00	1	01/01/2020 04:26	WG1404845
Bromomethane	ND		5.00	1	01/01/2020 04:26	WG1404845
n-Butylbenzene	ND		1.00	1	01/01/2020 04:26	WG1404845
sec-Butylbenzene	ND		1.00	1	01/01/2020 04:26	WG1404845
tert-Butylbenzene	ND		1.00	1	01/01/2020 04:26	WG1404845
Carbon tetrachloride	ND		1.00	1	01/01/2020 04:26	WG1404845
Chlorobenzene	ND		1.00	1	01/01/2020 04:26	WG1404845
Chlorodibromomethane	ND		1.00	1	01/01/2020 04:26	WG1404845
Chloroethane	ND		5.00	1	01/01/2020 04:26	WG1404845
2-Chloroethyl vinyl ether	ND		50.0	1	01/01/2020 04:26	WG1404845
Chloroform	ND		5.00	1	01/01/2020 04:26	WG1404845
Chloromethane	ND		2.50	1	01/01/2020 04:26	WG1404845
2-Chlorotoluene	ND		1.00	1	01/01/2020 04:26	WG1404845
4-Chlorotoluene	ND		1.00	1	01/01/2020 04:26	WG1404845
1,2-Dibromo-3-Chloropropane	ND		5.00	1	01/01/2020 04:26	WG1404845
1,2-Dibromoethane	ND		1.00	1	01/01/2020 04:26	WG1404845
Dibromomethane	ND		1.00	1	01/01/2020 04:26	WG1404845
1,2-Dichlorobenzene	ND		1.00	1	01/01/2020 04:26	WG1404845
1,3-Dichlorobenzene	ND		1.00	1	01/01/2020 04:26	WG1404845
1,4-Dichlorobenzene	ND		1.00	1	01/01/2020 04:26	WG1404845
Dichlorodifluoromethane	ND		5.00	1	01/01/2020 04:26	WG1404845
1,1-Dichloroethane	ND		1.00	1	01/01/2020 04:26	WG1404845
1,2-Dichloroethane	ND		1.00	1	01/01/2020 04:26	WG1404845
1,1-Dichloroethene	ND		1.00	1	01/01/2020 04:26	WG1404845
cis-1,2-Dichloroethene	ND		1.00	1	01/01/2020 04:26	WG1404845

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
trans-1,2-Dichloroethene	ND		1.00	1	01/01/2020 04:26	WG1404845
1,2-Dichloropropane	ND		1.00	1	01/01/2020 04:26	WG1404845
1,1-Dichloropropene	ND		1.00	1	01/01/2020 04:26	WG1404845
1,3-Dichloropropane	ND		1.00	1	01/01/2020 04:26	WG1404845
cis-1,3-Dichloropropene	ND		1.00	1	01/01/2020 04:26	WG1404845
trans-1,3-Dichloropropene	ND		1.00	1	01/01/2020 04:26	WG1404845
2,2-Dichloropropane	ND		1.00	1	01/01/2020 04:26	WG1404845
Di-isopropyl ether	ND		1.00	1	01/01/2020 04:26	WG1404845
Ethylbenzene	ND		1.00	1	01/01/2020 04:26	WG1404845
Hexachloro-1,3-butadiene	ND		1.00	1	01/01/2020 04:26	WG1404845
Isopropylbenzene	ND		1.00	1	01/01/2020 04:26	WG1404845
p-Isopropyltoluene	ND		1.00	1	01/01/2020 04:26	WG1404845
2-Butanone (MEK)	ND		10.0	1	01/01/2020 04:26	WG1404845
Methylene Chloride	ND		5.00	1	01/01/2020 04:26	WG1404845
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	01/01/2020 04:26	WG1404845
Methyl tert-butyl ether	ND		1.00	1	01/01/2020 04:26	WG1404845
Naphthalene	ND		5.00	1	01/01/2020 04:26	WG1404845
n-Propylbenzene	ND		1.00	1	01/01/2020 04:26	WG1404845
Styrene	ND		1.00	1	01/01/2020 04:26	WG1404845
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/01/2020 04:26	WG1404845
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/01/2020 04:26	WG1404845
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	01/01/2020 04:26	WG1404845
Tetrachloroethene	ND		1.00	1	01/01/2020 04:26	WG1404845
Toluene	ND		1.00	1	01/01/2020 04:26	WG1404845
1,2,3-Trichlorobenzene	ND		1.00	1	01/01/2020 04:26	WG1404845
1,2,4-Trichlorobenzene	ND		1.00	1	01/01/2020 04:26	WG1404845
1,1,1-Trichloroethane	ND		1.00	1	01/01/2020 04:26	WG1404845
1,1,2-Trichloroethane	ND		1.00	1	01/01/2020 04:26	WG1404845
Trichloroethene	ND		1.00	1	01/01/2020 04:26	WG1404845
Trichlorofluoromethane	ND		5.00	1	01/01/2020 04:26	WG1404845
1,2,3-Trichloropropane	ND		2.50	1	01/01/2020 04:26	WG1404845
1,2,4-Trimethylbenzene	ND		1.00	1	01/01/2020 04:26	WG1404845
1,2,3-Trimethylbenzene	ND		1.00	1	01/01/2020 04:26	WG1404845
1,3,5-Trimethylbenzene	ND		1.00	1	01/01/2020 04:26	WG1404845
Vinyl chloride	ND		1.00	1	01/01/2020 04:26	WG1404845
Xylenes, Total	ND		3.00	1	01/01/2020 04:26	WG1404845
(S) Toluene-d8	*108*		*80.0-120*		*01/01/2020 04:26*	WG1404845
(S) 4-Bromofluorobenzene	*94.5*		*77.0-126*		*01/01/2020 04:26*	WG1404845
(S) 1,2-Dichloroethane-d4	*79.2*		*70.0-130*		*01/01/2020 04:26*	WG1404845

Wet Chemistry by Method 9066

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Total Phenol by 4AAP	ND	J6	40.0	1	01/08/2020 10:38	WG1406570

Mercury by Method 7470A

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Mercury	ND		0.200	1	01/02/2020 09:28	WG1404807

Metals (ICP) by Method 6010B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Aluminum	ND		200	1	01/04/2020 14:40	WG1404907
Arsenic	ND		10.0	1	01/04/2020 14:40	WG1404907
Barium	33.9		5.00	1	01/04/2020 14:40	WG1404907
Cadmium	ND		2.00	1	01/04/2020 14:40	WG1404907
Chromium	ND		10.0	1	01/04/2020 14:40	WG1404907
Lead	ND		5.00	1	01/04/2020 14:40	WG1404907
Selenium	ND		10.0	1	01/04/2020 14:40	WG1404907
Silver	ND		5.00	1	01/04/2020 14:40	WG1404907
Zinc	ND		50.0	1	01/04/2020 14:40	WG1404907

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	01/01/2020 04:48	WG1404845
Acrolein	ND		50.0	1	01/01/2020 04:48	WG1404845
Acrylonitrile	ND		10.0	1	01/01/2020 04:48	WG1404845
Benzene	ND		1.00	1	01/01/2020 04:48	WG1404845
Bromobenzene	ND		1.00	1	01/01/2020 04:48	WG1404845
Bromodichloromethane	ND		1.00	1	01/01/2020 04:48	WG1404845
Bromoform	ND		1.00	1	01/01/2020 04:48	WG1404845
Bromomethane	ND		5.00	1	01/01/2020 04:48	WG1404845
n-Butylbenzene	ND		1.00	1	01/01/2020 04:48	WG1404845
sec-Butylbenzene	ND		1.00	1	01/01/2020 04:48	WG1404845
tert-Butylbenzene	ND		1.00	1	01/01/2020 04:48	WG1404845
Carbon tetrachloride	ND		1.00	1	01/01/2020 04:48	WG1404845
Chlorobenzene	ND		1.00	1	01/01/2020 04:48	WG1404845
Chlorodibromomethane	ND		1.00	1	01/01/2020 04:48	WG1404845
Chloroethane	ND		5.00	1	01/01/2020 04:48	WG1404845
2-Chloroethyl vinyl ether	ND		50.0	1	01/01/2020 04:48	WG1404845
Chloroform	ND		5.00	1	01/01/2020 04:48	WG1404845
Chloromethane	ND		2.50	1	01/01/2020 04:48	WG1404845
2-Chlorotoluene	ND		1.00	1	01/01/2020 04:48	WG1404845
4-Chlorotoluene	ND		1.00	1	01/01/2020 04:48	WG1404845
1,2-Dibromo-3-Chloropropane	ND		5.00	1	01/01/2020 04:48	WG1404845
1,2-Dibromoethane	ND		1.00	1	01/01/2020 04:48	WG1404845
Dibromomethane	ND		1.00	1	01/01/2020 04:48	WG1404845
1,2-Dichlorobenzene	ND		1.00	1	01/01/2020 04:48	WG1404845
1,3-Dichlorobenzene	ND		1.00	1	01/01/2020 04:48	WG1404845
1,4-Dichlorobenzene	ND		1.00	1	01/01/2020 04:48	WG1404845
Dichlorodifluoromethane	ND		5.00	1	01/01/2020 04:48	WG1404845
1,1-Dichloroethane	ND		1.00	1	01/01/2020 04:48	WG1404845
1,2-Dichloroethane	ND		1.00	1	01/01/2020 04:48	WG1404845
1,1-Dichloroethene	ND		1.00	1	01/01/2020 04:48	WG1404845
cis-1,2-Dichloroethene	ND		1.00	1	01/01/2020 04:48	WG1404845

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
trans-1,2-Dichloroethene	ND		1.00	1	01/01/2020 04:48	WG1404845
1,2-Dichloropropane	ND		1.00	1	01/01/2020 04:48	WG1404845
1,1-Dichloropropene	ND		1.00	1	01/01/2020 04:48	WG1404845
1,3-Dichloropropane	ND		1.00	1	01/01/2020 04:48	WG1404845
cis-1,3-Dichloropropene	ND		1.00	1	01/01/2020 04:48	WG1404845
trans-1,3-Dichloropropene	ND		1.00	1	01/01/2020 04:48	WG1404845
2,2-Dichloropropane	ND		1.00	1	01/01/2020 04:48	WG1404845
Di-isopropyl ether	ND		1.00	1	01/01/2020 04:48	WG1404845
Ethylbenzene	ND		1.00	1	01/01/2020 04:48	WG1404845
Hexachloro-1,3-butadiene	ND		1.00	1	01/01/2020 04:48	WG1404845
Isopropylbenzene	ND		1.00	1	01/01/2020 04:48	WG1404845
p-Isopropyltoluene	ND		1.00	1	01/01/2020 04:48	WG1404845
2-Butanone (MEK)	ND		10.0	1	01/01/2020 04:48	WG1404845
Methylene Chloride	ND		5.00	1	01/01/2020 04:48	WG1404845
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	01/01/2020 04:48	WG1404845
Methyl tert-butyl ether	ND		1.00	1	01/01/2020 04:48	WG1404845
Naphthalene	ND		5.00	1	01/01/2020 04:48	WG1404845
n-Propylbenzene	ND		1.00	1	01/01/2020 04:48	WG1404845
Styrene	ND		1.00	1	01/01/2020 04:48	WG1404845
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/01/2020 04:48	WG1404845
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/01/2020 04:48	WG1404845
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	01/01/2020 04:48	WG1404845
Tetrachloroethene	ND		1.00	1	01/01/2020 04:48	WG1404845
Toluene	ND		1.00	1	01/01/2020 04:48	WG1404845
1,2,3-Trichlorobenzene	ND		1.00	1	01/01/2020 04:48	WG1404845
1,2,4-Trichlorobenzene	ND		1.00	1	01/01/2020 04:48	WG1404845
1,1,1-Trichloroethane	ND		1.00	1	01/01/2020 04:48	WG1404845
1,1,2-Trichloroethane	ND		1.00	1	01/01/2020 04:48	WG1404845
Trichloroethene	ND		1.00	1	01/01/2020 04:48	WG1404845
Trichlorofluoromethane	ND		5.00	1	01/01/2020 04:48	WG1404845
1,2,3-Trichloropropane	ND		2.50	1	01/01/2020 04:48	WG1404845
1,2,4-Trimethylbenzene	ND		1.00	1	01/01/2020 04:48	WG1404845
1,2,3-Trimethylbenzene	ND		1.00	1	01/01/2020 04:48	WG1404845
1,3,5-Trimethylbenzene	ND		1.00	1	01/01/2020 04:48	WG1404845
Vinyl chloride	ND		1.00	1	01/01/2020 04:48	WG1404845
Xylenes, Total	ND		3.00	1	01/01/2020 04:48	WG1404845
(S) Toluene-d8	*108*		*80.0-120*		*01/01/2020 04:48*	WG1404845
(S) 4-Bromofluorobenzene	*93.4*		*77.0-126*		*01/01/2020 04:48*	WG1404845
(S) 1,2-Dichloroethane-d4	*80.9*		*70.0-130*		*01/01/2020 04:48*	WG1404845

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	12/31/2019 21:56	WG1404845
Acrolein	ND		50.0	1	12/31/2019 21:56	WG1404845
Acrylonitrile	ND		10.0	1	12/31/2019 21:56	WG1404845
Benzene	ND		1.00	1	12/31/2019 21:56	WG1404845
Bromobenzene	ND		1.00	1	12/31/2019 21:56	WG1404845
Bromodichloromethane	ND		1.00	1	12/31/2019 21:56	WG1404845
Bromoform	ND		1.00	1	12/31/2019 21:56	WG1404845
Bromomethane	ND		5.00	1	12/31/2019 21:56	WG1404845
n-Butylbenzene	ND		1.00	1	12/31/2019 21:56	WG1404845
sec-Butylbenzene	ND		1.00	1	12/31/2019 21:56	WG1404845
tert-Butylbenzene	ND		1.00	1	12/31/2019 21:56	WG1404845
Carbon tetrachloride	ND		1.00	1	12/31/2019 21:56	WG1404845
Chlorobenzene	ND		1.00	1	12/31/2019 21:56	WG1404845
Chlorodibromomethane	ND		1.00	1	12/31/2019 21:56	WG1404845
Chloroethane	ND		5.00	1	12/31/2019 21:56	WG1404845
2-Chloroethyl vinyl ether	ND		50.0	1	12/31/2019 21:56	WG1404845
Chloroform	ND		5.00	1	12/31/2019 21:56	WG1404845
Chloromethane	ND		2.50	1	12/31/2019 21:56	WG1404845
2-Chlorotoluene	ND		1.00	1	12/31/2019 21:56	WG1404845
4-Chlorotoluene	ND		1.00	1	12/31/2019 21:56	WG1404845
1,2-Dibromo-3-Chloropropane	ND		5.00	1	12/31/2019 21:56	WG1404845
1,2-Dibromoethane	ND		1.00	1	12/31/2019 21:56	WG1404845
Dibromomethane	ND		1.00	1	12/31/2019 21:56	WG1404845
1,2-Dichlorobenzene	ND		1.00	1	12/31/2019 21:56	WG1404845
1,3-Dichlorobenzene	ND		1.00	1	12/31/2019 21:56	WG1404845
1,4-Dichlorobenzene	ND		1.00	1	12/31/2019 21:56	WG1404845
Dichlorodifluoromethane	ND		5.00	1	12/31/2019 21:56	WG1404845
1,1-Dichloroethane	ND		1.00	1	12/31/2019 21:56	WG1404845
1,2-Dichloroethane	ND		1.00	1	12/31/2019 21:56	WG1404845
1,1-Dichloroethene	ND		1.00	1	12/31/2019 21:56	WG1404845
cis-1,2-Dichloroethene	ND		1.00	1	12/31/2019 21:56	WG1404845
trans-1,2-Dichloroethene	ND		1.00	1	12/31/2019 21:56	WG1404845
1,2-Dichloropropane	ND		1.00	1	12/31/2019 21:56	WG1404845
1,1-Dichloropropene	ND		1.00	1	12/31/2019 21:56	WG1404845
1,3-Dichloropropane	ND		1.00	1	12/31/2019 21:56	WG1404845
cis-1,3-Dichloropropene	ND		1.00	1	12/31/2019 21:56	WG1404845
trans-1,3-Dichloropropene	ND		1.00	1	12/31/2019 21:56	WG1404845
2,2-Dichloropropane	ND		1.00	1	12/31/2019 21:56	WG1404845
Di-isopropyl ether	ND		1.00	1	12/31/2019 21:56	WG1404845
Ethylbenzene	ND		1.00	1	12/31/2019 21:56	WG1404845
Hexachloro-1,3-butadiene	ND		1.00	1	12/31/2019 21:56	WG1404845
Isopropylbenzene	ND		1.00	1	12/31/2019 21:56	WG1404845
p-Isopropyltoluene	ND		1.00	1	12/31/2019 21:56	WG1404845
2-Butanone (MEK)	ND		10.0	1	12/31/2019 21:56	WG1404845
Methylene Chloride	ND		5.00	1	12/31/2019 21:56	WG1404845
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	12/31/2019 21:56	WG1404845
Methyl tert-butyl ether	ND		1.00	1	12/31/2019 21:56	WG1404845
Naphthalene	ND		5.00	1	12/31/2019 21:56	WG1404845
n-Propylbenzene	ND		1.00	1	12/31/2019 21:56	WG1404845
Styrene	ND		1.00	1	12/31/2019 21:56	WG1404845
1,1,1,2-Tetrachloroethane	ND		1.00	1	12/31/2019 21:56	WG1404845
1,1,2,2-Tetrachloroethane	ND		1.00	1	12/31/2019 21:56	WG1404845
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	12/31/2019 21:56	WG1404845
Tetrachloroethene	ND		1.00	1	12/31/2019 21:56	WG1404845
Toluene	ND		1.00	1	12/31/2019 21:56	WG1404845
1,2,3-Trichlorobenzene	ND		1.00	1	12/31/2019 21:56	WG1404845

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		1.00	1	12/31/2019 21:56	WG1404845
1,1,1-Trichloroethane	ND		1.00	1	12/31/2019 21:56	WG1404845
1,1,2-Trichloroethane	ND		1.00	1	12/31/2019 21:56	WG1404845
Trichloroethene	ND		1.00	1	12/31/2019 21:56	WG1404845
Trichlorofluoromethane	ND		5.00	1	12/31/2019 21:56	WG1404845
1,2,3-Trichloropropane	ND		2.50	1	12/31/2019 21:56	WG1404845
1,2,4-Trimethylbenzene	ND		1.00	1	12/31/2019 21:56	WG1404845
1,2,3-Trimethylbenzene	ND		1.00	1	12/31/2019 21:56	WG1404845
1,3,5-Trimethylbenzene	ND		1.00	1	12/31/2019 21:56	WG1404845
Vinyl chloride	ND		1.00	1	12/31/2019 21:56	WG1404845
Xylenes, Total	ND		3.00	1	12/31/2019 21:56	WG1404845
(S) Toluene-d8	*107*		*80.0-120*		*12/31/2019 21:56*	WG1404845
(S) 4-Bromofluorobenzene	*95.1*		*77.0-126*		*12/31/2019 21:56*	WG1404845
(S) 1,2-Dichloroethane-d4	*78.6*		*70.0-130*		*12/31/2019 21:56*	WG1404845

Method Blank (MB)

(MB) R3488926-1 01/08/20 10:32

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Total Phenol by 4AAP	U		8.30	40.0

L1176185-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1176185-01 01/08/20 10:52 • (DUP) R3488926-6 01/08/20 10:53

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Total Phenol by 4AAP	ND	0.000	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R3488926-2 01/08/20 10:32

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Total Phenol by 4AAP	500	488	97.6	90.0-110	

L1175133-07 Original Sample (OS) • Matrix Spike (MS)

(OS) L1175133-07 01/08/20 10:38 • (MS) R3488926-3 01/08/20 10:39

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
	ug/l	ug/l	ug/l	%		%	
Total Phenol by 4AAP	1000	ND	828	82.8	1	90.0-110	J6

L1176003-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1176003-04 01/08/20 10:44 • (MS) R3488926-4 01/08/20 10:45 • (MSD) R3488926-5 01/08/20 10:46

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Total Phenol by 4AAP	1000	ND	875	879	87.5	87.9	1	90.0-110	J6	J6	0.513	20

Method Blank (MB)

(MB) R3487538-1 01/02/20 09:03

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Mercury	U		0.0490	0.200

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3487538-2 01/02/20 09:05 • (LCSD) R3487538-3 01/02/20 09:07

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Mercury	3.00	3.33	3.09	111	103	80.0-120			7.36	20

L1175191-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1175191-06 01/02/20 09:09 • (MS) R3487538-4 01/02/20 09:15 • (MSD) R3487538-5 01/02/20 09:17

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Mercury	3.00	ND	3.34	3.17	111	106	1	75.0-125			5.27	20

Method Blank (MB)

(MB) R3488104-1 01/04/20 13:25

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Aluminum	35.2	J	35.0	200
Arsenic	U		6.50	10.0
Barium	1.80	J	1.70	5.00
Cadmium	U		0.700	2.00
Chromium	2.00	J	1.40	10.0
Lead	U		1.90	5.00
Selenium	U		7.40	10.0
Silver	U		2.80	5.00
Zinc	U		5.90	50.0

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3488104-2 01/04/20 13:28 • (LCSD) R3488104-3 01/04/20 13:30

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Aluminum	10000	9430	9500	94.3	95.0	80.0-120			0.761	20
Arsenic	1000	893	899	89.3	89.9	80.0-120			0.599	20
Barium	1000	953	963	95.3	96.3	80.0-120			1.03	20
Cadmium	1000	916	920	91.6	92.0	80.0-120			0.523	20
Chromium	1000	908	913	90.8	91.3	80.0-120			0.540	20
Lead	1000	929	929	92.9	92.9	80.0-120			0.104	20
Selenium	1000	914	917	91.4	91.7	80.0-120			0.337	20
Silver	200	172	172	85.9	86.1	80.0-120			0.238	20
Zinc	1000	922	924	92.2	92.4	80.0-120			0.265	20

L1175120-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1175120-01 01/04/20 13:34 • (MS) R3488104-5 01/04/20 13:43 • (MSD) R3488104-6 01/04/20 13:46

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Aluminum	10000	ND	9440	9400	94.4	94.0	1	75.0-125			0.412	20
Arsenic	1000	ND	907	908	90.7	90.8	1	75.0-125			0.0601	20
Barium	1000	67.9	1010	1000	93.9	93.2	1	75.0-125			0.611	20
Cadmium	1000	ND	921	916	92.1	91.6	1	75.0-125			0.490	20
Chromium	1000	ND	893	886	89.1	88.4	1	75.0-125			0.870	20
Lead	1000	ND	932	922	93.0	92.0	1	75.0-125			1.08	20
Selenium	1000	ND	921	916	92.1	91.6	1	75.0-125			0.593	20
Silver	200	ND	174	173	86.8	86.5	1	75.0-125			0.356	20
Zinc	1000	ND	913	908	91.3	90.8	1	75.0-125			0.608	20

Method Blank (MB)

(MB) R3487583-3 12/31/19 21:34

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		10.0	50.0
Acrolein	U		8.87	50.0
Acrylonitrile	U		1.87	10.0
Benzene	U		0.331	1.00
Bromobenzene	U		0.352	1.00
Bromodichloromethane	U		0.380	1.00
Bromoform	U		0.469	1.00
Bromomethane	U		0.866	5.00
n-Butylbenzene	U		0.361	1.00
sec-Butylbenzene	U		0.365	1.00
tert-Butylbenzene	U		0.399	1.00
Carbon tetrachloride	U		0.379	1.00
Chlorobenzene	U		0.348	1.00
Chlorodibromomethane	U		0.327	1.00
Chloroethane	U		0.453	5.00
2-Chloroethyl vinyl ether	U		3.01	50.0
Chloroform	U		0.324	5.00
Chloromethane	U		0.276	2.50
2-Chlorotoluene	U		0.375	1.00
4-Chlorotoluene	U		0.351	1.00
1,2-Dibromo-3-Chloropropane	U		1.33	5.00
1,2-Dibromoethane	U		0.381	1.00
Dibromomethane	U		0.346	1.00
1,2-Dichlorobenzene	U		0.349	1.00
1,3-Dichlorobenzene	U		0.220	1.00
1,4-Dichlorobenzene	U		0.274	1.00
Dichlorodifluoromethane	U		0.551	5.00
1,1-Dichloroethane	U		0.259	1.00
1,2-Dichloroethane	U		0.361	1.00
1,1-Dichloroethene	U		0.398	1.00
cis-1,2-Dichloroethene	U		0.260	1.00
trans-1,2-Dichloroethene	U		0.396	1.00
1,2-Dichloropropane	U		0.306	1.00
1,1-Dichloropropene	U		0.352	1.00
1,3-Dichloropropane	U		0.366	1.00
cis-1,3-Dichloropropene	U		0.418	1.00
trans-1,3-Dichloropropene	U		0.419	1.00
2,2-Dichloropropane	U		0.321	1.00
Di-isopropyl ether	U		0.320	1.00
Ethylbenzene	U		0.384	1.00

Method Blank (MB)

(MB) R3487583-3 12/31/19 21:34

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Hexachloro-1,3-butadiene	U		0.256	1.00
Isopropylbenzene	U		0.326	1.00
p-Isopropyltoluene	U		0.350	1.00
2-Butanone (MEK)	U		3.93	10.0
Methylene Chloride	U		1.00	5.00
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0
Methyl tert-butyl ether	U		0.367	1.00
Naphthalene	U		1.00	5.00
n-Propylbenzene	U		0.349	1.00
Styrene	U		0.307	1.00
1,1,1,2-Tetrachloroethane	U		0.385	1.00
1,1,2,2-Tetrachloroethane	U		0.130	1.00
Tetrachloroethene	U		0.372	1.00
Toluene	U		0.412	1.00
1,1,2-Trichlorotrifluoroethane	U		0.303	1.00
1,2,3-Trichlorobenzene	U		0.230	1.00
1,2,4-Trichlorobenzene	U		0.355	1.00
1,1,1-Trichloroethane	U		0.319	1.00
1,1,2-Trichloroethane	U		0.383	1.00
Trichloroethene	U		0.398	1.00
Trichlorofluoromethane	U		1.20	5.00
1,2,3-Trichloropropane	U		0.807	2.50
1,2,3-Trimethylbenzene	U		0.321	1.00
1,2,4-Trimethylbenzene	U		0.373	1.00
1,3,5-Trimethylbenzene	U		0.387	1.00
Vinyl chloride	U		0.259	1.00
Xylenes, Total	U		1.06	3.00
(S) Toluene-d8	*108*			*80.0-120*
(S) 4-Bromofluorobenzene	*92.2*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*78.5*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3487583-1 12/31/19 20:09

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	25.0	18.0	72.0	19.0-160	
Acrolein	25.0	15.6	62.4	10.0-160	
Acrylonitrile	25.0	19.1	76.4	55.0-149	

Laboratory Control Sample (LCS)

(LCS) R3487583-1 12/31/19 20:09

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	5.00	4.65	93.0	70.0-123	
Bromobenzene	5.00	4.24	84.8	73.0-121	
Bromodichloromethane	5.00	4.52	90.4	75.0-120	
Bromoform	5.00	5.43	109	68.0-132	
Bromomethane	5.00	6.13	123	10.0-160	
n-Butylbenzene	5.00	4.33	86.6	73.0-125	
sec-Butylbenzene	5.00	4.52	90.4	75.0-125	
tert-Butylbenzene	5.00	4.64	92.8	76.0-124	
Carbon tetrachloride	5.00	4.72	94.4	68.0-126	
Chlorobenzene	5.00	5.72	114	80.0-121	
Chlorodibromomethane	5.00	5.28	106	77.0-125	
Chloroethane	5.00	4.53	90.6	47.0-150	
2-Chloroethyl vinyl ether	25.0	23.7	94.8	51.0-160	
Chloroform	5.00	4.49	89.8	73.0-120	
Chloromethane	5.00	4.23	84.6	41.0-142	
2-Chlorotoluene	5.00	4.46	89.2	76.0-123	
4-Chlorotoluene	5.00	4.28	85.6	75.0-122	
1,2-Dibromo-3-Chloropropane	5.00	4.82	96.4	58.0-134	
1,2-Dibromoethane	5.00	5.28	106	80.0-122	
Dibromomethane	5.00	4.77	95.4	80.0-120	
1,2-Dichlorobenzene	5.00	4.92	98.4	79.0-121	
1,3-Dichlorobenzene	5.00	5.10	102	79.0-120	
1,4-Dichlorobenzene	5.00	5.17	103	79.0-120	
Dichlorodifluoromethane	5.00	5.18	104	51.0-149	
1,1-Dichloroethane	5.00	4.43	88.6	70.0-126	
1,2-Dichloroethane	5.00	3.86	77.2	70.0-128	
1,1-Dichloroethene	5.00	4.87	97.4	71.0-124	
cis-1,2-Dichloroethene	5.00	4.80	96.0	73.0-120	
trans-1,2-Dichloroethene	5.00	5.07	101	73.0-120	
1,2-Dichloropropane	5.00	4.65	93.0	77.0-125	
1,1-Dichloropropene	5.00	4.53	90.6	74.0-126	
1,3-Dichloropropane	5.00	5.03	101	80.0-120	
cis-1,3-Dichloropropene	5.00	4.71	94.2	80.0-123	
trans-1,3-Dichloropropene	5.00	4.80	96.0	78.0-124	
2,2-Dichloropropane	5.00	4.48	89.6	58.0-130	
Di-isopropyl ether	5.00	3.73	74.6	58.0-138	
Ethylbenzene	5.00	5.67	113	79.0-123	
Hexachloro-1,3-butadiene	5.00	4.52	90.4	54.0-138	
Isopropylbenzene	5.00	5.08	102	76.0-127	
p-Isopropyltoluene	5.00	4.65	93.0	76.0-125	

Laboratory Control Sample (LCS)

(LCS) R3487583-1 12/31/19 20:09

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
2-Butanone (MEK)	25.0	18.0	72.0	44.0-160	
Methylene Chloride	5.00	4.51	90.2	67.0-120	
4-Methyl-2-pentanone (MIBK)	25.0	18.4	73.6	68.0-142	
Methyl tert-butyl ether	5.00	3.99	79.8	68.0-125	
Naphthalene	5.00	4.36	87.2	54.0-135	
n-Propylbenzene	5.00	4.46	89.2	77.0-124	
Styrene	5.00	5.14	103	73.0-130	
1,1,1,2-Tetrachloroethane	5.00	5.34	107	75.0-125	
1,1,2,2-Tetrachloroethane	5.00	4.02	80.4	65.0-130	
Tetrachloroethene	5.00	6.08	122	72.0-132	
Toluene	5.00	5.29	106	79.0-120	
1,1,2-Trichlorotrifluoroethane	5.00	5.40	108	69.0-132	
1,2,3-Trichlorobenzene	5.00	4.29	85.8	50.0-138	
1,2,4-Trichlorobenzene	5.00	4.75	95.0	57.0-137	
1,1,1-Trichloroethane	5.00	4.34	86.8	73.0-124	
1,1,2-Trichloroethane	5.00	5.25	105	80.0-120	
Trichloroethene	5.00	5.45	109	78.0-124	
Trichlorofluoromethane	5.00	4.84	96.8	59.0-147	
1,2,3-Trichloropropane	5.00	4.20	84.0	73.0-130	
1,2,3-Trimethylbenzene	5.00	4.39	87.8	77.0-120	
1,2,4-Trimethylbenzene	5.00	4.37	87.4	76.0-121	
1,3,5-Trimethylbenzene	5.00	4.46	89.2	76.0-122	
Vinyl chloride	5.00	4.89	97.8	67.0-131	
Xylenes, Total	15.0	16.0	107	79.0-123	
(S) Toluene-d8			*107*	*80.0-120*	
(S) 4-Bromofluorobenzene			*92.4*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*79.7*	*70.0-130*	

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.

Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1 6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana [1]	LA180010	Texas	T104704245-18-15
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

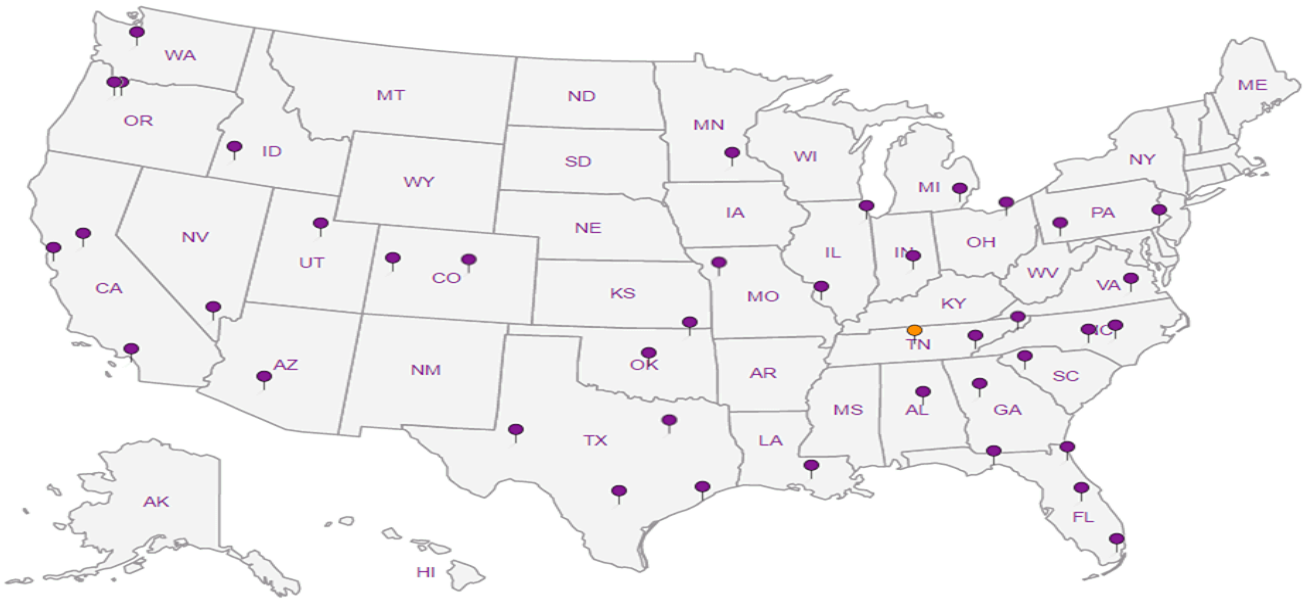
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

Our Locations

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.



PM Environmental, Inc.

717 Highway 67 South, Suite 26
Decatur, AL 35603-6351

Billing Information:
Accounts Payable
3340 Ranger Rd
Lansing, MI 48906

Report to: Ms. Suzy Evans

Email To: evans@pmenv.com, stephenson@pmenv.com,

Project Description:

City/State Collected:

Please Circle: PT MT CT ET

Phone: 256-353-6222
Fax: 256-353-8123

Client Project #

Lab Project # PMENVDALR-FLORENCE

Collected by (print): Josh Schultz

Collected by (signature):

Site/Facility ID #

P.O. #

Quote #

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Date Results Needed

Pres Chk

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Metals 250mlHDPE-HNO3	PHT 250mlAmb-H2SO4	V8260 40mlAmb-HCl	V8260 40mlAmb-HCl-Blk	Remarks	Sample # (lab only)
MW-7	Grab	GW	—	12.30	0950	5	X	X	X			-02
MW-9	Grab	GW	—	12.30	1127	5	X	X	X			~~03~~ 03
MW-10	Grab	GW	—	12.30	0905	5	X	X	X			~~03~~ 04
MW-12	Grab	GW	—	12.30	1045	5	X	X	X			~~04~~ 05
MW-14	Grab	GW	—	12.30	1407	5	X	X	X			~~05~~ 06
MW-15	Grab	GW	—	12.30	1340	5	X	X	X			~~06~~ 07
Trip Blank	Grab	GW	—	12.30	—	1	X	X	X	X		
		GW				5	X	X	X			
		GW				5	X	X	X			
		GW				5	X	X	X			

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: __ UPS __ FedEx __ Courier _____

Tracking # 1380 7989 2746

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	12-30-19	1800	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
			12-31-19 0830

Trip Blank Received: Yes / No HCL / MeoH TBR

Temp: 1st AL °C 2nd °C 2.0-.2=1.8 Bottles Received: 30

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Sample Receipt Checklist
COC Seal Present/Intact: __NP ✓Y __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: ✓Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N
RAD Screen <0.5 mR/hr: ✓Y __N

Chain of Custody Page ___ of ___

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

SDG # L1175133

E026

Acctnum: PMENVDALR

Template: T159719

Prelogin: P742595

PM: 034 - Craig Cothron

PB: LC 11/26

Shipped Via: FedEX Ground

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

January 10, 2020

PM Environmental, Inc.

Sample Delivery Group:	L1176003
Samples Received:	01/03/2020
Project Number:	
Description:	Delta Auto

Report To: Ms. Suzy Evans
717 Highway 67 South, Suite 26
Decatur, AL 35603-6351

Entire Report Reviewed By:

Jason Romer
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



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TRIP BLANK L1176003-01 GW

Collected by: Josh Schultz | Collected date/time: 12/31/19 00:00 | Received date/time: 01/03/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1405825	1	01/04/20 02:31	01/04/20 02:31	DWR	Mt. Juliet, TN

EQUIPMENT BLANK L1176003-02 GW

Collected by: Josh Schultz | Collected date/time: 12/31/19 12:55 | Received date/time: 01/03/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1405825	1	01/04/20 02:53	01/04/20 02:53	DWR	Mt. Juliet, TN

MW-5 L1176003-03 GW

Collected by: Josh Schultz | Collected date/time: 12/31/19 11:35 | Received date/time: 01/03/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9066	WG1406570	1	01/07/20 12:06	01/08/20 10:43	SDL	Mt. Juliet, TN
Mercury by Method 7470A	WG1406234	1	01/05/20 20:00	01/06/20 10:55	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1406004	1	01/05/20 22:46	01/06/20 12:36	EL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1406663	1	01/08/20 12:45	01/08/20 15:36	EL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1408264	1	01/09/20 15:59	01/10/20 01:50	EL	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1405825	1	01/04/20 04:59	01/04/20 04:59	DWR	Mt. Juliet, TN

MW-11 L1176003-04 GW

Collected by: Josh Schultz | Collected date/time: 12/31/19 10:45 | Received date/time: 01/03/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9066	WG1406570	1	01/07/20 12:06	01/08/20 10:44	SDL	Mt. Juliet, TN
Mercury by Method 7470A	WG1406234	1	01/05/20 20:00	01/06/20 11:01	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1406004	1	01/05/20 22:46	01/06/20 12:38	EL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1406663	1	01/08/20 12:45	01/08/20 15:39	EL	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1405825	1	01/04/20 05:20	01/04/20 05:20	DWR	Mt. Juliet, TN

MW-13 L1176003-05 GW

Collected by: Josh Schultz | Collected date/time: 12/31/19 12:49 | Received date/time: 01/03/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9066	WG1406570	1	01/07/20 12:06	01/08/20 10:47	SDL	Mt. Juliet, TN
Mercury by Method 7470A	WG1406234	1	01/05/20 20:00	01/06/20 11:03	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1406004	1	01/05/20 22:46	01/06/20 12:46	EL	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1405825	1	01/04/20 05:42	01/04/20 05:42	DWR	Mt. Juliet, TN

DUPLICATE L1176003-06 GW

Collected by: Josh Schultz | Collected date/time: 12/31/19 00:00 | Received date/time: 01/03/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9066	WG1406570	1	01/07/20 12:06	01/08/20 10:47	SDL	Mt. Juliet, TN
Mercury by Method 7470A	WG1406559	1	01/06/20 18:30	01/06/20 21:47	TCT	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1406007	1	01/06/20 13:58	01/06/20 21:14	EL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1408264	1	01/09/20 15:59	01/10/20 01:53	EL	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1406956	1	01/07/20 15:38	01/07/20 15:38	ADM	Mt. Juliet, TN

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Jason Romer
Project Manager

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	01/04/2020 02:31	WG1405825
Acrolein	ND		50.0	1	01/04/2020 02:31	WG1405825
Acrylonitrile	ND		10.0	1	01/04/2020 02:31	WG1405825
Benzene	ND		1.00	1	01/04/2020 02:31	WG1405825
Bromobenzene	ND		1.00	1	01/04/2020 02:31	WG1405825
Bromodichloromethane	ND		1.00	1	01/04/2020 02:31	WG1405825
Bromoform	ND		1.00	1	01/04/2020 02:31	WG1405825
Bromomethane	ND		5.00	1	01/04/2020 02:31	WG1405825
n-Butylbenzene	ND		1.00	1	01/04/2020 02:31	WG1405825
sec-Butylbenzene	ND		1.00	1	01/04/2020 02:31	WG1405825
tert-Butylbenzene	ND		1.00	1	01/04/2020 02:31	WG1405825
Carbon tetrachloride	ND		1.00	1	01/04/2020 02:31	WG1405825
Chlorobenzene	ND		1.00	1	01/04/2020 02:31	WG1405825
Chlorodibromomethane	ND		1.00	1	01/04/2020 02:31	WG1405825
Chloroethane	ND		5.00	1	01/04/2020 02:31	WG1405825
2-Chloroethyl vinyl ether	ND		50.0	1	01/04/2020 02:31	WG1405825
Chloroform	ND		5.00	1	01/04/2020 02:31	WG1405825
Chloromethane	ND		2.50	1	01/04/2020 02:31	WG1405825
2-Chlorotoluene	ND		1.00	1	01/04/2020 02:31	WG1405825
4-Chlorotoluene	ND		1.00	1	01/04/2020 02:31	WG1405825
1,2-Dibromo-3-Chloropropane	ND		5.00	1	01/04/2020 02:31	WG1405825
1,2-Dibromoethane	ND		1.00	1	01/04/2020 02:31	WG1405825
Dibromomethane	ND		1.00	1	01/04/2020 02:31	WG1405825
1,2-Dichlorobenzene	ND		1.00	1	01/04/2020 02:31	WG1405825
1,3-Dichlorobenzene	ND		1.00	1	01/04/2020 02:31	WG1405825
1,4-Dichlorobenzene	ND		1.00	1	01/04/2020 02:31	WG1405825
Dichlorodifluoromethane	ND		5.00	1	01/04/2020 02:31	WG1405825
1,1-Dichloroethane	ND		1.00	1	01/04/2020 02:31	WG1405825
1,2-Dichloroethane	ND		1.00	1	01/04/2020 02:31	WG1405825
1,1-Dichloroethene	ND		1.00	1	01/04/2020 02:31	WG1405825
cis-1,2-Dichloroethene	ND		1.00	1	01/04/2020 02:31	WG1405825
trans-1,2-Dichloroethene	ND		1.00	1	01/04/2020 02:31	WG1405825
1,2-Dichloropropane	ND		1.00	1	01/04/2020 02:31	WG1405825
1,1-Dichloropropene	ND		1.00	1	01/04/2020 02:31	WG1405825
1,3-Dichloropropane	ND		1.00	1	01/04/2020 02:31	WG1405825
cis-1,3-Dichloropropene	ND		1.00	1	01/04/2020 02:31	WG1405825
trans-1,3-Dichloropropene	ND		1.00	1	01/04/2020 02:31	WG1405825
2,2-Dichloropropane	ND		1.00	1	01/04/2020 02:31	WG1405825
Di-isopropyl ether	ND		1.00	1	01/04/2020 02:31	WG1405825
Ethylbenzene	ND		1.00	1	01/04/2020 02:31	WG1405825
Hexachloro-1,3-butadiene	ND		1.00	1	01/04/2020 02:31	WG1405825
Isopropylbenzene	ND		1.00	1	01/04/2020 02:31	WG1405825
p-Isopropyltoluene	ND		1.00	1	01/04/2020 02:31	WG1405825
2-Butanone (MEK)	ND		10.0	1	01/04/2020 02:31	WG1405825
Methylene Chloride	ND		5.00	1	01/04/2020 02:31	WG1405825
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	01/04/2020 02:31	WG1405825
Methyl tert-butyl ether	ND		1.00	1	01/04/2020 02:31	WG1405825
Naphthalene	ND		5.00	1	01/04/2020 02:31	WG1405825
n-Propylbenzene	ND		1.00	1	01/04/2020 02:31	WG1405825
Styrene	ND		1.00	1	01/04/2020 02:31	WG1405825
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/04/2020 02:31	WG1405825
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/04/2020 02:31	WG1405825
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	01/04/2020 02:31	WG1405825
Tetrachloroethene	ND		1.00	1	01/04/2020 02:31	WG1405825
Toluene	ND		1.00	1	01/04/2020 02:31	WG1405825
1,2,3-Trichlorobenzene	ND		1.00	1	01/04/2020 02:31	WG1405825

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		1.00	1	01/04/2020 02:31	WG1405825
1,1,1-Trichloroethane	ND		1.00	1	01/04/2020 02:31	WG1405825
1,1,2-Trichloroethane	ND		1.00	1	01/04/2020 02:31	WG1405825
Trichloroethene	ND		1.00	1	01/04/2020 02:31	WG1405825
Trichlorofluoromethane	ND		5.00	1	01/04/2020 02:31	WG1405825
1,2,3-Trichloropropane	ND		2.50	1	01/04/2020 02:31	WG1405825
1,2,4-Trimethylbenzene	ND		1.00	1	01/04/2020 02:31	WG1405825
1,2,3-Trimethylbenzene	ND		1.00	1	01/04/2020 02:31	WG1405825
1,3,5-Trimethylbenzene	ND		1.00	1	01/04/2020 02:31	WG1405825
Vinyl chloride	ND		1.00	1	01/04/2020 02:31	WG1405825
Xylenes, Total	ND		3.00	1	01/04/2020 02:31	WG1405825
(S) Toluene-d8	*105*		*80.0-120*		*01/04/2020 02:31*	WG1405825
(S) 4-Bromofluorobenzene	*97.2*		*77.0-126*		*01/04/2020 02:31*	WG1405825
(S) 1,2-Dichloroethane-d4	*80.3*		*70.0-130*		*01/04/2020 02:31*	WG1405825

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Acetone	ND		50.0	1	01/04/2020 02:53	WG1405825
Acrolein	ND		50.0	1	01/04/2020 02:53	WG1405825
Acrylonitrile	ND		10.0	1	01/04/2020 02:53	WG1405825
Benzene	ND		1.00	1	01/04/2020 02:53	WG1405825
Bromobenzene	ND		1.00	1	01/04/2020 02:53	WG1405825
Bromodichloromethane	ND		1.00	1	01/04/2020 02:53	WG1405825
Bromoform	ND		1.00	1	01/04/2020 02:53	WG1405825
Bromomethane	ND		5.00	1	01/04/2020 02:53	WG1405825
n-Butylbenzene	ND		1.00	1	01/04/2020 02:53	WG1405825
sec-Butylbenzene	ND		1.00	1	01/04/2020 02:53	WG1405825
tert-Butylbenzene	ND		1.00	1	01/04/2020 02:53	WG1405825
Carbon tetrachloride	ND		1.00	1	01/04/2020 02:53	WG1405825
Chlorobenzene	ND		1.00	1	01/04/2020 02:53	WG1405825
Chlorodibromomethane	ND		1.00	1	01/04/2020 02:53	WG1405825
Chloroethane	ND		5.00	1	01/04/2020 02:53	WG1405825
2-Chloroethyl vinyl ether	ND		50.0	1	01/04/2020 02:53	WG1405825
Chloroform	ND		5.00	1	01/04/2020 02:53	WG1405825
Chloromethane	ND		2.50	1	01/04/2020 02:53	WG1405825
2-Chlorotoluene	ND		1.00	1	01/04/2020 02:53	WG1405825
4-Chlorotoluene	ND		1.00	1	01/04/2020 02:53	WG1405825
1,2-Dibromo-3-Chloropropane	ND		5.00	1	01/04/2020 02:53	WG1405825
1,2-Dibromoethane	ND		1.00	1	01/04/2020 02:53	WG1405825
Dibromomethane	ND		1.00	1	01/04/2020 02:53	WG1405825
1,2-Dichlorobenzene	ND		1.00	1	01/04/2020 02:53	WG1405825
1,3-Dichlorobenzene	ND		1.00	1	01/04/2020 02:53	WG1405825
1,4-Dichlorobenzene	ND		1.00	1	01/04/2020 02:53	WG1405825
Dichlorodifluoromethane	ND		5.00	1	01/04/2020 02:53	WG1405825
1,1-Dichloroethane	ND		1.00	1	01/04/2020 02:53	WG1405825
1,2-Dichloroethane	ND		1.00	1	01/04/2020 02:53	WG1405825
1,1-Dichloroethene	ND		1.00	1	01/04/2020 02:53	WG1405825
cis-1,2-Dichloroethene	ND		1.00	1	01/04/2020 02:53	WG1405825
trans-1,2-Dichloroethene	ND		1.00	1	01/04/2020 02:53	WG1405825
1,2-Dichloropropane	ND		1.00	1	01/04/2020 02:53	WG1405825
1,1-Dichloropropene	ND		1.00	1	01/04/2020 02:53	WG1405825
1,3-Dichloropropane	ND		1.00	1	01/04/2020 02:53	WG1405825
cis-1,3-Dichloropropene	ND		1.00	1	01/04/2020 02:53	WG1405825
trans-1,3-Dichloropropene	ND		1.00	1	01/04/2020 02:53	WG1405825
2,2-Dichloropropane	ND		1.00	1	01/04/2020 02:53	WG1405825
Di-isopropyl ether	ND		1.00	1	01/04/2020 02:53	WG1405825
Ethylbenzene	ND		1.00	1	01/04/2020 02:53	WG1405825
Hexachloro-1,3-butadiene	ND		1.00	1	01/04/2020 02:53	WG1405825
Isopropylbenzene	ND		1.00	1	01/04/2020 02:53	WG1405825
p-Isopropyltoluene	ND		1.00	1	01/04/2020 02:53	WG1405825
2-Butanone (MEK)	ND		10.0	1	01/04/2020 02:53	WG1405825
Methylene Chloride	ND		5.00	1	01/04/2020 02:53	WG1405825
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	01/04/2020 02:53	WG1405825
Methyl tert-butyl ether	ND		1.00	1	01/04/2020 02:53	WG1405825
Naphthalene	ND		5.00	1	01/04/2020 02:53	WG1405825
n-Propylbenzene	ND		1.00	1	01/04/2020 02:53	WG1405825
Styrene	ND		1.00	1	01/04/2020 02:53	WG1405825
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/04/2020 02:53	WG1405825
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/04/2020 02:53	WG1405825
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	01/04/2020 02:53	WG1405825
Tetrachloroethene	ND		1.00	1	01/04/2020 02:53	WG1405825
Toluene	ND		1.00	1	01/04/2020 02:53	WG1405825
1,2,3-Trichlorobenzene	ND		1.00	1	01/04/2020 02:53	WG1405825

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		1.00	1	01/04/2020 02:53	WG1405825
1,1,1-Trichloroethane	ND		1.00	1	01/04/2020 02:53	WG1405825
1,1,2-Trichloroethane	ND		1.00	1	01/04/2020 02:53	WG1405825
Trichloroethene	ND		1.00	1	01/04/2020 02:53	WG1405825
Trichlorofluoromethane	ND		5.00	1	01/04/2020 02:53	WG1405825
1,2,3-Trichloropropane	ND		2.50	1	01/04/2020 02:53	WG1405825
1,2,4-Trimethylbenzene	ND		1.00	1	01/04/2020 02:53	WG1405825
1,2,3-Trimethylbenzene	ND		1.00	1	01/04/2020 02:53	WG1405825
1,3,5-Trimethylbenzene	ND		1.00	1	01/04/2020 02:53	WG1405825
Vinyl chloride	ND		1.00	1	01/04/2020 02:53	WG1405825
Xylenes, Total	ND		3.00	1	01/04/2020 02:53	WG1405825
(S) Toluene-d8	*107*		*80.0-120*		*01/04/2020 02:53*	WG1405825
(S) 4-Bromofluorobenzene	*97.4*		*77.0-126*		*01/04/2020 02:53*	WG1405825
(S) 1,2-Dichloroethane-d4	*79.3*		*70.0-130*		*01/04/2020 02:53*	WG1405825

Wet Chemistry by Method 9066

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Total Phenol by 4AAP	ND		40.0	1	01/08/2020 10:43	WG1406570

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Mercury	ND		0.200	1	01/06/2020 10:55	WG1406234

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Aluminum	1000		200	1	01/10/2020 01:50	WG1408264
Arsenic	ND		10.0	1	01/06/2020 12:36	WG1406004
Barium	29.5		5.00	1	01/08/2020 15:36	WG1406663
Cadmium	ND		2.00	1	01/06/2020 12:36	WG1406004
Chromium	ND		10.0	1	01/06/2020 12:36	WG1406004
Lead	ND		5.00	1	01/06/2020 12:36	WG1406004
Selenium	ND		10.0	1	01/06/2020 12:36	WG1406004
Silver	ND		5.00	1	01/06/2020 12:36	WG1406004
Zinc	ND		50.0	1	01/06/2020 12:36	WG1406004

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Acetone	ND		50.0	1	01/04/2020 04:59	WG1405825
Acrolein	ND		50.0	1	01/04/2020 04:59	WG1405825
Acrylonitrile	ND		10.0	1	01/04/2020 04:59	WG1405825
Benzene	ND		1.00	1	01/04/2020 04:59	WG1405825
Bromobenzene	ND		1.00	1	01/04/2020 04:59	WG1405825
Bromodichloromethane	ND		1.00	1	01/04/2020 04:59	WG1405825
Bromoform	ND		1.00	1	01/04/2020 04:59	WG1405825
Bromomethane	ND		5.00	1	01/04/2020 04:59	WG1405825
n-Butylbenzene	ND		1.00	1	01/04/2020 04:59	WG1405825
sec-Butylbenzene	ND		1.00	1	01/04/2020 04:59	WG1405825
tert-Butylbenzene	ND		1.00	1	01/04/2020 04:59	WG1405825
Carbon tetrachloride	ND		1.00	1	01/04/2020 04:59	WG1405825
Chlorobenzene	ND		1.00	1	01/04/2020 04:59	WG1405825
Chlorodibromomethane	ND		1.00	1	01/04/2020 04:59	WG1405825
Chloroethane	ND		5.00	1	01/04/2020 04:59	WG1405825
2-Chloroethyl vinyl ether	ND		50.0	1	01/04/2020 04:59	WG1405825
Chloroform	ND		5.00	1	01/04/2020 04:59	WG1405825
Chloromethane	ND		2.50	1	01/04/2020 04:59	WG1405825
2-Chlorotoluene	ND		1.00	1	01/04/2020 04:59	WG1405825
4-Chlorotoluene	ND		1.00	1	01/04/2020 04:59	WG1405825
1,2-Dibromo-3-Chloropropane	ND		5.00	1	01/04/2020 04:59	WG1405825
1,2-Dibromoethane	ND		1.00	1	01/04/2020 04:59	WG1405825
Dibromomethane	ND		1.00	1	01/04/2020 04:59	WG1405825
1,2-Dichlorobenzene	ND		1.00	1	01/04/2020 04:59	WG1405825
1,3-Dichlorobenzene	ND		1.00	1	01/04/2020 04:59	WG1405825
1,4-Dichlorobenzene	ND		1.00	1	01/04/2020 04:59	WG1405825
Dichlorodifluoromethane	ND		5.00	1	01/04/2020 04:59	WG1405825
1,1-Dichloroethane	6.29		1.00	1	01/04/2020 04:59	WG1405825
1,2-Dichloroethane	ND		1.00	1	01/04/2020 04:59	WG1405825
1,1-Dichloroethene	40.2		1.00	1	01/04/2020 04:59	WG1405825
cis-1,2-Dichloroethene	ND		1.00	1	01/04/2020 04:59	WG1405825

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
trans-1,2-Dichloroethene	ND		1.00	1	01/04/2020 04:59	WG1405825
1,2-Dichloropropane	ND		1.00	1	01/04/2020 04:59	WG1405825
1,1-Dichloropropene	ND		1.00	1	01/04/2020 04:59	WG1405825
1,3-Dichloropropane	ND		1.00	1	01/04/2020 04:59	WG1405825
cis-1,3-Dichloropropene	ND		1.00	1	01/04/2020 04:59	WG1405825
trans-1,3-Dichloropropene	ND		1.00	1	01/04/2020 04:59	WG1405825
2,2-Dichloropropane	ND		1.00	1	01/04/2020 04:59	WG1405825
Di-isopropyl ether	ND		1.00	1	01/04/2020 04:59	WG1405825
Ethylbenzene	ND		1.00	1	01/04/2020 04:59	WG1405825
Hexachloro-1,3-butadiene	ND		1.00	1	01/04/2020 04:59	WG1405825
Isopropylbenzene	ND		1.00	1	01/04/2020 04:59	WG1405825
p-Isopropyltoluene	ND		1.00	1	01/04/2020 04:59	WG1405825
2-Butanone (MEK)	ND		10.0	1	01/04/2020 04:59	WG1405825
Methylene Chloride	ND		5.00	1	01/04/2020 04:59	WG1405825
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	01/04/2020 04:59	WG1405825
Methyl tert-butyl ether	ND		1.00	1	01/04/2020 04:59	WG1405825
Naphthalene	ND		5.00	1	01/04/2020 04:59	WG1405825
n-Propylbenzene	ND		1.00	1	01/04/2020 04:59	WG1405825
Styrene	ND		1.00	1	01/04/2020 04:59	WG1405825
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/04/2020 04:59	WG1405825
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/04/2020 04:59	WG1405825
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	01/04/2020 04:59	WG1405825
Tetrachloroethene	ND		1.00	1	01/04/2020 04:59	WG1405825
Toluene	ND		1.00	1	01/04/2020 04:59	WG1405825
1,2,3-Trichlorobenzene	ND		1.00	1	01/04/2020 04:59	WG1405825
1,2,4-Trichlorobenzene	ND		1.00	1	01/04/2020 04:59	WG1405825
1,1,1-Trichloroethane	ND		1.00	1	01/04/2020 04:59	WG1405825
1,1,2-Trichloroethane	ND		1.00	1	01/04/2020 04:59	WG1405825
Trichloroethene	2.24		1.00	1	01/04/2020 04:59	WG1405825
Trichlorofluoromethane	ND		5.00	1	01/04/2020 04:59	WG1405825
1,2,3-Trichloropropane	ND		2.50	1	01/04/2020 04:59	WG1405825
1,2,4-Trimethylbenzene	ND		1.00	1	01/04/2020 04:59	WG1405825
1,2,3-Trimethylbenzene	ND		1.00	1	01/04/2020 04:59	WG1405825
1,3,5-Trimethylbenzene	ND		1.00	1	01/04/2020 04:59	WG1405825
Vinyl chloride	ND		1.00	1	01/04/2020 04:59	WG1405825
Xylenes, Total	ND		3.00	1	01/04/2020 04:59	WG1405825
(S) Toluene-d8	*108*		*80.0-120*		*01/04/2020 04:59*	WG1405825
(S) 4-Bromofluorobenzene	*96.9*		*77.0-126*		*01/04/2020 04:59*	WG1405825
(S) 1,2-Dichloroethane-d4	*80.7*		*70.0-130*		*01/04/2020 04:59*	WG1405825

Wet Chemistry by Method 9066

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Total Phenol by 4AAP	ND	J6	40.0	1	01/08/2020 10:44	WG1406570

Mercury by Method 7470A

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Mercury	ND		0.200	1	01/06/2020 11:01	WG1406234

Metals (ICP) by Method 6010B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Aluminum	454		200	1	01/06/2020 12:38	WG1406004
Arsenic	ND		10.0	1	01/06/2020 12:38	WG1406004
Barium	29.9		5.00	1	01/08/2020 15:39	WG1406663
Cadmium	ND		2.00	1	01/06/2020 12:38	WG1406004
Chromium	ND		10.0	1	01/06/2020 12:38	WG1406004
Lead	ND		5.00	1	01/06/2020 12:38	WG1406004
Selenium	ND		10.0	1	01/06/2020 12:38	WG1406004
Silver	ND		5.00	1	01/06/2020 12:38	WG1406004
Zinc	ND		50.0	1	01/06/2020 12:38	WG1406004

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	01/04/2020 05:20	WG1405825
Acrolein	ND		50.0	1	01/04/2020 05:20	WG1405825
Acrylonitrile	ND		10.0	1	01/04/2020 05:20	WG1405825
Benzene	ND		1.00	1	01/04/2020 05:20	WG1405825
Bromobenzene	ND		1.00	1	01/04/2020 05:20	WG1405825
Bromodichloromethane	ND		1.00	1	01/04/2020 05:20	WG1405825
Bromoform	ND		1.00	1	01/04/2020 05:20	WG1405825
Bromomethane	ND		5.00	1	01/04/2020 05:20	WG1405825
n-Butylbenzene	ND		1.00	1	01/04/2020 05:20	WG1405825
sec-Butylbenzene	ND		1.00	1	01/04/2020 05:20	WG1405825
tert-Butylbenzene	ND		1.00	1	01/04/2020 05:20	WG1405825
Carbon tetrachloride	ND		1.00	1	01/04/2020 05:20	WG1405825
Chlorobenzene	ND		1.00	1	01/04/2020 05:20	WG1405825
Chlorodibromomethane	ND		1.00	1	01/04/2020 05:20	WG1405825
Chloroethane	ND		5.00	1	01/04/2020 05:20	WG1405825
2-Chloroethyl vinyl ether	ND		50.0	1	01/04/2020 05:20	WG1405825
Chloroform	ND		5.00	1	01/04/2020 05:20	WG1405825
Chloromethane	ND		2.50	1	01/04/2020 05:20	WG1405825
2-Chlorotoluene	ND		1.00	1	01/04/2020 05:20	WG1405825
4-Chlorotoluene	ND		1.00	1	01/04/2020 05:20	WG1405825
1,2-Dibromo-3-Chloropropane	ND		5.00	1	01/04/2020 05:20	WG1405825
1,2-Dibromoethane	ND		1.00	1	01/04/2020 05:20	WG1405825
Dibromomethane	ND		1.00	1	01/04/2020 05:20	WG1405825
1,2-Dichlorobenzene	ND		1.00	1	01/04/2020 05:20	WG1405825
1,3-Dichlorobenzene	ND		1.00	1	01/04/2020 05:20	WG1405825
1,4-Dichlorobenzene	ND		1.00	1	01/04/2020 05:20	WG1405825
Dichlorodifluoromethane	ND		5.00	1	01/04/2020 05:20	WG1405825
1,1-Dichloroethane	ND		1.00	1	01/04/2020 05:20	WG1405825
1,2-Dichloroethane	ND		1.00	1	01/04/2020 05:20	WG1405825
1,1-Dichloroethene	ND		1.00	1	01/04/2020 05:20	WG1405825
cis-1,2-Dichloroethene	ND		1.00	1	01/04/2020 05:20	WG1405825

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
trans-1,2-Dichloroethene	ND		1.00	1	01/04/2020 05:20	WG1405825
1,2-Dichloropropane	ND		1.00	1	01/04/2020 05:20	WG1405825
1,1-Dichloropropene	ND		1.00	1	01/04/2020 05:20	WG1405825
1,3-Dichloropropane	ND		1.00	1	01/04/2020 05:20	WG1405825
cis-1,3-Dichloropropene	ND		1.00	1	01/04/2020 05:20	WG1405825
trans-1,3-Dichloropropene	ND		1.00	1	01/04/2020 05:20	WG1405825
2,2-Dichloropropane	ND		1.00	1	01/04/2020 05:20	WG1405825
Di-isopropyl ether	ND		1.00	1	01/04/2020 05:20	WG1405825
Ethylbenzene	ND		1.00	1	01/04/2020 05:20	WG1405825
Hexachloro-1,3-butadiene	ND		1.00	1	01/04/2020 05:20	WG1405825
Isopropylbenzene	ND		1.00	1	01/04/2020 05:20	WG1405825
p-Isopropyltoluene	ND		1.00	1	01/04/2020 05:20	WG1405825
2-Butanone (MEK)	ND		10.0	1	01/04/2020 05:20	WG1405825
Methylene Chloride	ND		5.00	1	01/04/2020 05:20	WG1405825
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	01/04/2020 05:20	WG1405825
Methyl tert-butyl ether	ND		1.00	1	01/04/2020 05:20	WG1405825
Naphthalene	ND		5.00	1	01/04/2020 05:20	WG1405825
n-Propylbenzene	ND		1.00	1	01/04/2020 05:20	WG1405825
Styrene	ND		1.00	1	01/04/2020 05:20	WG1405825
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/04/2020 05:20	WG1405825
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/04/2020 05:20	WG1405825
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	01/04/2020 05:20	WG1405825
Tetrachloroethene	ND		1.00	1	01/04/2020 05:20	WG1405825
Toluene	ND		1.00	1	01/04/2020 05:20	WG1405825
1,2,3-Trichlorobenzene	ND		1.00	1	01/04/2020 05:20	WG1405825
1,2,4-Trichlorobenzene	ND		1.00	1	01/04/2020 05:20	WG1405825
1,1,1-Trichloroethane	ND		1.00	1	01/04/2020 05:20	WG1405825
1,1,2-Trichloroethane	ND		1.00	1	01/04/2020 05:20	WG1405825
Trichloroethene	ND		1.00	1	01/04/2020 05:20	WG1405825
Trichlorofluoromethane	ND		5.00	1	01/04/2020 05:20	WG1405825
1,2,3-Trichloropropane	ND		2.50	1	01/04/2020 05:20	WG1405825
1,2,4-Trimethylbenzene	ND		1.00	1	01/04/2020 05:20	WG1405825
1,2,3-Trimethylbenzene	ND		1.00	1	01/04/2020 05:20	WG1405825
1,3,5-Trimethylbenzene	ND		1.00	1	01/04/2020 05:20	WG1405825
Vinyl chloride	ND		1.00	1	01/04/2020 05:20	WG1405825
Xylenes, Total	ND		3.00	1	01/04/2020 05:20	WG1405825
(S) Toluene-d8	*106*		*80.0-120*		*01/04/2020 05:20*	WG1405825
(S) 4-Bromofluorobenzene	*94.9*		*77.0-126*		*01/04/2020 05:20*	WG1405825
(S) 1,2-Dichloroethane-d4	*79.8*		*70.0-130*		*01/04/2020 05:20*	WG1405825

Wet Chemistry by Method 9066

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Total Phenol by 4AAP	ND		40.0	1	01/08/2020 10:47	WG1406570

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Mercury	ND		0.200	1	01/06/2020 11:03	WG1406234

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Aluminum	230		200	1	01/06/2020 12:46	WG1406004
Arsenic	ND		10.0	1	01/06/2020 12:46	WG1406004
Barium	53.6		5.00	1	01/06/2020 12:46	WG1406004
Cadmium	ND		2.00	1	01/06/2020 12:46	WG1406004
Chromium	ND		10.0	1	01/06/2020 12:46	WG1406004
Lead	ND		5.00	1	01/06/2020 12:46	WG1406004
Selenium	ND		10.0	1	01/06/2020 12:46	WG1406004
Silver	ND		5.00	1	01/06/2020 12:46	WG1406004
Zinc	ND		50.0	1	01/06/2020 12:46	WG1406004

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Acetone	ND		50.0	1	01/04/2020 05:42	WG1405825
Acrolein	ND		50.0	1	01/04/2020 05:42	WG1405825
Acrylonitrile	ND		10.0	1	01/04/2020 05:42	WG1405825
Benzene	ND		1.00	1	01/04/2020 05:42	WG1405825
Bromobenzene	ND		1.00	1	01/04/2020 05:42	WG1405825
Bromodichloromethane	ND		1.00	1	01/04/2020 05:42	WG1405825
Bromoform	ND		1.00	1	01/04/2020 05:42	WG1405825
Bromomethane	ND		5.00	1	01/04/2020 05:42	WG1405825
n-Butylbenzene	ND		1.00	1	01/04/2020 05:42	WG1405825
sec-Butylbenzene	ND		1.00	1	01/04/2020 05:42	WG1405825
tert-Butylbenzene	ND		1.00	1	01/04/2020 05:42	WG1405825
Carbon tetrachloride	ND		1.00	1	01/04/2020 05:42	WG1405825
Chlorobenzene	ND		1.00	1	01/04/2020 05:42	WG1405825
Chlorodibromomethane	ND		1.00	1	01/04/2020 05:42	WG1405825
Chloroethane	ND		5.00	1	01/04/2020 05:42	WG1405825
2-Chloroethyl vinyl ether	ND		50.0	1	01/04/2020 05:42	WG1405825
Chloroform	ND		5.00	1	01/04/2020 05:42	WG1405825
Chloromethane	ND		2.50	1	01/04/2020 05:42	WG1405825
2-Chlorotoluene	ND		1.00	1	01/04/2020 05:42	WG1405825
4-Chlorotoluene	ND		1.00	1	01/04/2020 05:42	WG1405825
1,2-Dibromo-3-Chloropropane	ND		5.00	1	01/04/2020 05:42	WG1405825
1,2-Dibromoethane	ND		1.00	1	01/04/2020 05:42	WG1405825
Dibromomethane	ND		1.00	1	01/04/2020 05:42	WG1405825
1,2-Dichlorobenzene	ND		1.00	1	01/04/2020 05:42	WG1405825
1,3-Dichlorobenzene	ND		1.00	1	01/04/2020 05:42	WG1405825
1,4-Dichlorobenzene	ND		1.00	1	01/04/2020 05:42	WG1405825
Dichlorodifluoromethane	ND		5.00	1	01/04/2020 05:42	WG1405825
1,1-Dichloroethane	ND		1.00	1	01/04/2020 05:42	WG1405825
1,2-Dichloroethane	ND		1.00	1	01/04/2020 05:42	WG1405825
1,1-Dichloroethene	ND		1.00	1	01/04/2020 05:42	WG1405825
cis-1,2-Dichloroethene	ND		1.00	1	01/04/2020 05:42	WG1405825

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
trans-1,2-Dichloroethene	ND		1.00	1	01/04/2020 05:42	WG1405825
1,2-Dichloropropane	ND		1.00	1	01/04/2020 05:42	WG1405825
1,1-Dichloropropene	ND		1.00	1	01/04/2020 05:42	WG1405825
1,3-Dichloropropane	ND		1.00	1	01/04/2020 05:42	WG1405825
cis-1,3-Dichloropropene	ND		1.00	1	01/04/2020 05:42	WG1405825
trans-1,3-Dichloropropene	ND		1.00	1	01/04/2020 05:42	WG1405825
2,2-Dichloropropane	ND		1.00	1	01/04/2020 05:42	WG1405825
Di-isopropyl ether	ND		1.00	1	01/04/2020 05:42	WG1405825
Ethylbenzene	ND		1.00	1	01/04/2020 05:42	WG1405825
Hexachloro-1,3-butadiene	ND		1.00	1	01/04/2020 05:42	WG1405825
Isopropylbenzene	ND		1.00	1	01/04/2020 05:42	WG1405825
p-Isopropyltoluene	ND		1.00	1	01/04/2020 05:42	WG1405825
2-Butanone (MEK)	ND		10.0	1	01/04/2020 05:42	WG1405825
Methylene Chloride	ND		5.00	1	01/04/2020 05:42	WG1405825
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	01/04/2020 05:42	WG1405825
Methyl tert-butyl ether	ND		1.00	1	01/04/2020 05:42	WG1405825
Naphthalene	ND		5.00	1	01/04/2020 05:42	WG1405825
n-Propylbenzene	ND		1.00	1	01/04/2020 05:42	WG1405825
Styrene	ND		1.00	1	01/04/2020 05:42	WG1405825
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/04/2020 05:42	WG1405825
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/04/2020 05:42	WG1405825
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	01/04/2020 05:42	WG1405825
Tetrachloroethene	ND		1.00	1	01/04/2020 05:42	WG1405825
Toluene	ND		1.00	1	01/04/2020 05:42	WG1405825
1,2,3-Trichlorobenzene	ND		1.00	1	01/04/2020 05:42	WG1405825
1,2,4-Trichlorobenzene	ND		1.00	1	01/04/2020 05:42	WG1405825
1,1,1-Trichloroethane	ND		1.00	1	01/04/2020 05:42	WG1405825
1,1,2-Trichloroethane	ND		1.00	1	01/04/2020 05:42	WG1405825
Trichloroethene	ND		1.00	1	01/04/2020 05:42	WG1405825
Trichlorofluoromethane	ND		5.00	1	01/04/2020 05:42	WG1405825
1,2,3-Trichloropropane	ND		2.50	1	01/04/2020 05:42	WG1405825
1,2,4-Trimethylbenzene	ND		1.00	1	01/04/2020 05:42	WG1405825
1,2,3-Trimethylbenzene	ND		1.00	1	01/04/2020 05:42	WG1405825
1,3,5-Trimethylbenzene	ND		1.00	1	01/04/2020 05:42	WG1405825
Vinyl chloride	ND		1.00	1	01/04/2020 05:42	WG1405825
Xylenes, Total	ND		3.00	1	01/04/2020 05:42	WG1405825
(S) Toluene-d8	*106*		*80.0-120*		*01/04/2020 05:42*	WG1405825
(S) 4-Bromofluorobenzene	*96.8*		*77.0-126*		*01/04/2020 05:42*	WG1405825
(S) 1,2-Dichloroethane-d4	*77.9*		*70.0-130*		*01/04/2020 05:42*	WG1405825

Wet Chemistry by Method 9066

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Total Phenol by 4AAP	ND		40.0	1	01/08/2020 10:47	WG1406570

Mercury by Method 7470A

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Mercury	ND		0.200	1	01/06/2020 21:47	WG1406559

Metals (ICP) by Method 6010B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Aluminum	842		200	1	01/10/2020 01:53	WG1408264
Arsenic	ND		10.0	1	01/06/2020 21:14	WG1406007
Barium	41.4		5.00	1	01/06/2020 21:14	WG1406007
Cadmium	ND		2.00	1	01/06/2020 21:14	WG1406007
Chromium	ND		10.0	1	01/06/2020 21:14	WG1406007
Lead	7.56		5.00	1	01/06/2020 21:14	WG1406007
Selenium	ND		10.0	1	01/06/2020 21:14	WG1406007
Silver	ND		5.00	1	01/06/2020 21:14	WG1406007
Zinc	64.1		50.0	1	01/06/2020 21:14	WG1406007

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	01/07/2020 15:38	WG1406956
Acrolein	ND		50.0	1	01/07/2020 15:38	WG1406956
Acrylonitrile	ND		10.0	1	01/07/2020 15:38	WG1406956
Benzene	ND		1.00	1	01/07/2020 15:38	WG1406956
Bromobenzene	ND		1.00	1	01/07/2020 15:38	WG1406956
Bromodichloromethane	ND		1.00	1	01/07/2020 15:38	WG1406956
Bromoform	ND		1.00	1	01/07/2020 15:38	WG1406956
Bromomethane	ND		5.00	1	01/07/2020 15:38	WG1406956
n-Butylbenzene	ND		1.00	1	01/07/2020 15:38	WG1406956
sec-Butylbenzene	ND		1.00	1	01/07/2020 15:38	WG1406956
tert-Butylbenzene	ND		1.00	1	01/07/2020 15:38	WG1406956
Carbon tetrachloride	ND		1.00	1	01/07/2020 15:38	WG1406956
Chlorobenzene	ND		1.00	1	01/07/2020 15:38	WG1406956
Chlorodibromomethane	ND		1.00	1	01/07/2020 15:38	WG1406956
Chloroethane	ND		5.00	1	01/07/2020 15:38	WG1406956
2-Chloroethyl vinyl ether	ND		50.0	1	01/07/2020 15:38	WG1406956
Chloroform	ND		5.00	1	01/07/2020 15:38	WG1406956
Chloromethane	ND		2.50	1	01/07/2020 15:38	WG1406956
2-Chlorotoluene	ND		1.00	1	01/07/2020 15:38	WG1406956
4-Chlorotoluene	ND		1.00	1	01/07/2020 15:38	WG1406956
1,2-Dibromo-3-Chloropropane	ND		5.00	1	01/07/2020 15:38	WG1406956
1,2-Dibromoethane	ND		1.00	1	01/07/2020 15:38	WG1406956
Dibromomethane	ND		1.00	1	01/07/2020 15:38	WG1406956
1,2-Dichlorobenzene	ND		1.00	1	01/07/2020 15:38	WG1406956
1,3-Dichlorobenzene	ND		1.00	1	01/07/2020 15:38	WG1406956
1,4-Dichlorobenzene	ND		1.00	1	01/07/2020 15:38	WG1406956
Dichlorodifluoromethane	ND		5.00	1	01/07/2020 15:38	WG1406956
1,1-Dichloroethane	6.36		1.00	1	01/07/2020 15:38	WG1406956
1,2-Dichloroethane	ND		1.00	1	01/07/2020 15:38	WG1406956
1,1-Dichloroethene	34.4		1.00	1	01/07/2020 15:38	WG1406956
cis-1,2-Dichloroethene	ND		1.00	1	01/07/2020 15:38	WG1406956

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
trans-1,2-Dichloroethene	ND		1.00	1	01/07/2020 15:38	WG1406956
1,2-Dichloropropane	ND		1.00	1	01/07/2020 15:38	WG1406956
1,1-Dichloropropene	ND		1.00	1	01/07/2020 15:38	WG1406956
1,3-Dichloropropane	ND		1.00	1	01/07/2020 15:38	WG1406956
cis-1,3-Dichloropropene	ND		1.00	1	01/07/2020 15:38	WG1406956
trans-1,3-Dichloropropene	ND		1.00	1	01/07/2020 15:38	WG1406956
2,2-Dichloropropane	ND		1.00	1	01/07/2020 15:38	WG1406956
Di-isopropyl ether	ND		1.00	1	01/07/2020 15:38	WG1406956
Ethylbenzene	ND		1.00	1	01/07/2020 15:38	WG1406956
Hexachloro-1,3-butadiene	ND		1.00	1	01/07/2020 15:38	WG1406956
Isopropylbenzene	ND		1.00	1	01/07/2020 15:38	WG1406956
p-Isopropyltoluene	ND		1.00	1	01/07/2020 15:38	WG1406956
2-Butanone (MEK)	ND		10.0	1	01/07/2020 15:38	WG1406956
Methylene Chloride	ND		5.00	1	01/07/2020 15:38	WG1406956
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	01/07/2020 15:38	WG1406956
Methyl tert-butyl ether	ND		1.00	1	01/07/2020 15:38	WG1406956
Naphthalene	ND		5.00	1	01/07/2020 15:38	WG1406956
n-Propylbenzene	ND		1.00	1	01/07/2020 15:38	WG1406956
Styrene	ND		1.00	1	01/07/2020 15:38	WG1406956
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/07/2020 15:38	WG1406956
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/07/2020 15:38	WG1406956
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	01/07/2020 15:38	WG1406956
Tetrachloroethene	ND		1.00	1	01/07/2020 15:38	WG1406956
Toluene	ND		1.00	1	01/07/2020 15:38	WG1406956
1,2,3-Trichlorobenzene	ND		1.00	1	01/07/2020 15:38	WG1406956
1,2,4-Trichlorobenzene	ND		1.00	1	01/07/2020 15:38	WG1406956
1,1,1-Trichloroethane	ND		1.00	1	01/07/2020 15:38	WG1406956
1,1,2-Trichloroethane	ND		1.00	1	01/07/2020 15:38	WG1406956
Trichloroethene	1.64		1.00	1	01/07/2020 15:38	WG1406956
Trichlorofluoromethane	ND		5.00	1	01/07/2020 15:38	WG1406956
1,2,3-Trichloropropane	ND		2.50	1	01/07/2020 15:38	WG1406956
1,2,4-Trimethylbenzene	ND		1.00	1	01/07/2020 15:38	WG1406956
1,2,3-Trimethylbenzene	ND		1.00	1	01/07/2020 15:38	WG1406956
1,3,5-Trimethylbenzene	ND		1.00	1	01/07/2020 15:38	WG1406956
Vinyl chloride	ND		1.00	1	01/07/2020 15:38	WG1406956
Xylenes, Total	ND		3.00	1	01/07/2020 15:38	WG1406956
(S) Toluene-d8	*106*		*80.0-120*		*01/07/2020 15:38*	WG1406956
(S) 4-Bromofluorobenzene	*99.0*		*77.0-126*		*01/07/2020 15:38*	WG1406956
(S) 1,2-Dichloroethane-d4	*100*		*70.0-130*		*01/07/2020 15:38*	WG1406956

Method Blank (MB)

(MB) R3488926-1 01/08/20 10:32

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Total Phenol by 4AAP	U		8.30	40.0

L1176185-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1176185-01 01/08/20 10:52 • (DUP) R3488926-6 01/08/20 10:53

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Total Phenol by 4AAP	ND	0.000	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R3488926-2 01/08/20 10:32

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Total Phenol by 4AAP	500	488	97.6	90.0-110	

L1175133-07 Original Sample (OS) • Matrix Spike (MS)

(OS) L1175133-07 01/08/20 10:38 • (MS) R3488926-3 01/08/20 10:39

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
	ug/l	ug/l	ug/l	%		%	
Total Phenol by 4AAP	1000	ND	828	82.8	1	90.0-110	J6

L1176003-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1176003-04 01/08/20 10:44 • (MS) R3488926-4 01/08/20 10:45 • (MSD) R3488926-5 01/08/20 10:46

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Total Phenol by 4AAP	1000	ND	875	879	87.5	87.9	1	90.0-110	J6	J6	0.513	20

Method Blank (MB)

(MB) R3488282-1 01/06/20 10:21

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Mercury	U		0.0490	0.200

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3488282-5 01/06/20 12:09 • (LCSD) R3488282-2 01/06/20 10:25

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Mercury	3.00	2.89	3.10	96.4	103	80.0-120			6.86	20

L1176096-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1176096-01 01/06/20 10:27 • (MS) R3488282-3 01/06/20 10:29 • (MSD) R3488282-4 01/06/20 10:31

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Mercury	3.00	U	3.43	3.43	114	114	1	75.0-125			0.128	20

Method Blank (MB)

(MB) R3488462-1 01/06/20 21:41

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Mercury	U		0.0490	0.200

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3488462-2 01/06/20 21:43 • (LCSD) R3488462-3 01/06/20 21:45

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Mercury	3.00	2.98	3.11	99.2	104	80.0-120			4.24	20

L1176003-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1176003-06 01/06/20 21:47 • (MS) R3488462-4 01/06/20 21:49 • (MSD) R3488462-5 01/06/20 21:51

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Mercury	3.00	ND	3.35	3.44	110	113	1	75.0-125			2.44	20

Method Blank (MB)

(MB) R3488446-7 01/06/20 21:34

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Aluminum	U		35.0	200
Arsenic	U		6.50	10.0
Barium	5.27		1.70	5.00
Cadmium	U		0.700	2.00
Chromium	U		1.40	10.0
Lead	U		1.90	5.00
Selenium	U		7.40	10.0
Silver	U		2.80	5.00
Zinc	U		5.90	50.0

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3488446-2 01/06/20 12:17 • (LCSD) R3488446-3 01/06/20 12:19

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Aluminum	10000	9930	9980	99.3	99.8	80.0-120			0.451	20
Arsenic	1000	935	919	93.5	91.9	80.0-120			1.76	20
Barium	1000	991	976	99.1	97.6	80.0-120			1.54	20
Cadmium	1000	955	939	95.5	93.9	80.0-120			1.77	20
Chromium	1000	993	972	99.3	97.2	80.0-120			2.11	20
Lead	1000	946	930	94.6	93.0	80.0-120			1.71	20
Selenium	1000	954	935	95.4	93.5	80.0-120			1.92	20
Silver	200	187	181	93.6	90.6	80.0-120			3.30	20
Zinc	1000	932	915	93.2	91.5	80.0-120			1.83	20

L1176096-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1176096-01 01/06/20 12:22 • (MS) R3488446-5 01/06/20 12:28 • (MSD) R3488446-6 01/06/20 12:30

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Aluminum	10000	5510	15500	15600	100	101	1	75.0-125			0.839	20
Arsenic	1000	U	960	955	96.0	95.5	1	75.0-125			0.594	20
Barium	1000	21.2	942	937	92.1	91.6	1	75.0-125			0.558	20
Cadmium	1000	2.12	973	967	97.1	96.5	1	75.0-125			0.562	20
Chromium	1000	4.39	923	932	91.9	92.8	1	75.0-125			0.946	20
Lead	1000	20.4	955	949	93.4	92.9	1	75.0-125			0.602	20
Selenium	1000	10.4	1040	1040	103	103	1	75.0-125			0.205	20
Silver	200	U	195	197	97.4	98.4	1	75.0-125			0.971	20
Zinc	1000	1650	2440	2430	79.7	78.0	1	75.0-125			0.677	20

Method Blank (MB)

(MB) R3488494-1 01/06/20 20:55

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Arsenic	U		6.50	10.0
Barium	3.41	J	1.70	5.00
Cadmium	U		0.700	2.00
Chromium	U		1.40	10.0
Lead	U		1.90	5.00
Selenium	7.88	J	7.40	10.0
Silver	U		2.80	5.00
Zinc	U		5.90	50.0

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3488494-2 01/06/20 20:58 • (LCSD) R3488494-3 01/06/20 21:00

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Arsenic	1000	941	954	94.1	95.4	80.0-120			1.37	20
Barium	1000	979	984	97.9	98.4	80.0-120			0.447	20
Cadmium	1000	926	935	92.6	93.5	80.0-120			0.920	20
Chromium	1000	923	926	92.3	92.6	80.0-120			0.359	20
Lead	1000	948	957	94.8	95.7	80.0-120			1.01	20
Selenium	1000	952	967	95.2	96.7	80.0-120			1.60	20
Silver	200	168	169	84.1	84.4	80.0-120			0.399	20
Zinc	1000	937	946	93.7	94.6	80.0-120			0.938	20

L1176295-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1176295-03 01/06/20 21:03 • (MS) R3488494-5 01/06/20 21:09 • (MSD) R3488494-6 01/06/20 21:11

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	1000	ND	989	979	98.9	97.9	1	75.0-125			1.02	20
Barium	1000	43.4	1020	1020	97.9	97.5	1	75.0-125			0.379	20
Cadmium	1000	ND	948	939	94.8	93.9	1	75.0-125			0.997	20
Chromium	1000	ND	938	926	93.8	92.6	1	75.0-125			1.23	20
Lead	1000	ND	966	958	96.2	95.4	1	75.0-125			0.848	20
Selenium	1000	ND	981	973	98.1	97.3	1	75.0-125			0.767	20
Silver	200	ND	174	171	87.1	85.3	1	75.0-125			2.14	20
Zinc	1000	ND	948	942	94.8	94.2	1	75.0-125			0.685	20

Method Blank (MB)

(MB) R3489040-1 01/08/20 14:43

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Barium	U		1.70	5.00

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3489040-2 01/08/20 14:46 • (LCSD) R3489040-3 01/08/20 14:48

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Barium	1000	990	991	99.0	99.1	80.0-120			0.0947	20

L1176096-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1176096-01 01/08/20 14:51 • (MS) R3489040-5 01/08/20 14:56 • (MSD) R3489040-6 01/08/20 14:59

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Barium	1000	22.4	966	957	94.4	93.4	1	75.0-125			0.986	20

Method Blank (MB)

(MB) R3489516-1 01/10/20 01:31

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Aluminum	48.1	J	35.0	200

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3489516-2 01/10/20 01:34 • (LCSD) R3489516-3 01/10/20 01:36

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Aluminum	10000	9850	9790	98.5	97.9	80.0-120			0.618	20

L1177472-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1177472-01 01/10/20 01:39 • (MS) R3489516-5 01/10/20 01:44 • (MSD) R3489516-6 01/10/20 01:47

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Aluminum	10000	213	10100	10100	98.6	99.0	1	75.0-125			0.433	20

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Method Blank (MB)

(MB) R3488136-4 01/03/20 23:40

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		10.0	50.0
Acrolein	U		8.87	50.0
Acrylonitrile	U		1.87	10.0
Benzene	U		0.331	1.00
Bromobenzene	U		0.352	1.00
Bromodichloromethane	U		0.380	1.00
Bromoform	U		0.469	1.00
Bromomethane	U		0.866	5.00
n-Butylbenzene	U		0.361	1.00
sec-Butylbenzene	U		0.365	1.00
tert-Butylbenzene	U		0.399	1.00
Carbon tetrachloride	U		0.379	1.00
Chlorobenzene	U		0.348	1.00
Chlorodibromomethane	U		0.327	1.00
Chloroethane	U		0.453	5.00
2-Chloroethyl vinyl ether	U		3.01	50.0
Chloroform	U		0.324	5.00
Chloromethane	U		0.276	2.50
2-Chlorotoluene	U		0.375	1.00
4-Chlorotoluene	U		0.351	1.00
1,2-Dibromo-3-Chloropropane	U		1.33	5.00
1,2-Dibromoethane	U		0.381	1.00
Dibromomethane	U		0.346	1.00
1,2-Dichlorobenzene	U		0.349	1.00
1,3-Dichlorobenzene	U		0.220	1.00
1,4-Dichlorobenzene	U		0.274	1.00
Dichlorodifluoromethane	U		0.551	5.00
1,1-Dichloroethane	U		0.259	1.00
1,2-Dichloroethane	U		0.361	1.00
1,1-Dichloroethene	U		0.398	1.00
cis-1,2-Dichloroethene	U		0.260	1.00
trans-1,2-Dichloroethene	U		0.396	1.00
1,2-Dichloropropane	U		0.306	1.00
1,1-Dichloropropene	U		0.352	1.00
1,3-Dichloropropane	U		0.366	1.00
cis-1,3-Dichloropropene	U		0.418	1.00
trans-1,3-Dichloropropene	U		0.419	1.00
2,2-Dichloropropane	U		0.321	1.00
Di-isopropyl ether	U		0.320	1.00
Ethylbenzene	U		0.384	1.00

Method Blank (MB)

(MB) R3488136-4 01/03/20 23:40

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Hexachloro-1,3-butadiene	U		0.256	1.00
Isopropylbenzene	U		0.326	1.00
p-Isopropyltoluene	U		0.350	1.00
2-Butanone (MEK)	U		3.93	10.0
Methylene Chloride	U		1.00	5.00
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0
Methyl tert-butyl ether	U		0.367	1.00
Naphthalene	U		1.00	5.00
n-Propylbenzene	U		0.349	1.00
Styrene	U		0.307	1.00
1,1,1,2-Tetrachloroethane	U		0.385	1.00
1,1,2,2-Tetrachloroethane	U		0.130	1.00
Tetrachloroethene	U		0.372	1.00
Toluene	U		0.412	1.00
1,1,2-Trichlorotrifluoroethane	U		0.303	1.00
1,2,3-Trichlorobenzene	U		0.230	1.00
1,2,4-Trichlorobenzene	U		0.355	1.00
1,1,1-Trichloroethane	U		0.319	1.00
1,1,2-Trichloroethane	U		0.383	1.00
Trichloroethene	U		0.398	1.00
Trichlorofluoromethane	U		1.20	5.00
1,2,3-Trichloropropane	U		0.807	2.50
1,2,3-Trimethylbenzene	U		0.321	1.00
1,2,4-Trimethylbenzene	U		0.373	1.00
1,3,5-Trimethylbenzene	U		0.387	1.00
Vinyl chloride	U		0.259	1.00
Xylenes, Total	U		1.06	3.00
(S) Toluene-d8	*107*			*80.0-120*
(S) 4-Bromofluorobenzene	*95.9*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*80.0*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3488136-1 01/03/20 22:14 • (LCSD) R3488136-2 01/03/20 22:35

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	25.0	17.2	16.7	68.8	66.8	19.0-160			2.95	27
Acrolein	25.0	26.6	26.3	106	105	10.0-160			1.13	26
Acrylonitrile	25.0	19.9	19.5	79.6	78.0	55.0-149			2.03	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3488136-1 01/03/20 22:14 • (LCSD) R3488136-2 01/03/20 22:35

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	5.00	4.80	4.81	96.0	96.2	70.0-123			0.208	20
Bromobenzene	5.00	4.15	4.23	83.0	84.6	73.0-121			1.91	20
Bromodichloromethane	5.00	4.63	4.49	92.6	89.8	75.0-120			3.07	20
Bromoform	5.00	5.19	4.94	104	98.8	68.0-132			4.94	20
Bromomethane	5.00	6.02	5.96	120	119	10.0-160			1.00	25
n-Butylbenzene	5.00	4.21	4.30	84.2	86.0	73.0-125			2.12	20
sec-Butylbenzene	5.00	4.44	4.49	88.8	89.8	75.0-125			1.12	20
tert-Butylbenzene	5.00	4.46	4.62	89.2	92.4	76.0-124			3.52	20
Carbon tetrachloride	5.00	4.75	4.84	95.0	96.8	68.0-126			1.88	20
Chlorobenzene	5.00	5.82	5.81	116	116	80.0-121			0.172	20
Chlorodibromomethane	5.00	5.27	5.09	105	102	77.0-125			3.47	20
Chloroethane	5.00	4.52	4.63	90.4	92.6	47.0-150			2.40	20
2-Chloroethyl vinyl ether	25.0	23.7	23.5	94.8	94.0	51.0-160			0.847	20
Chloroform	5.00	4.57	4.52	91.4	90.4	73.0-120			1.10	20
Chloromethane	5.00	3.64	3.52	72.8	70.4	41.0-142			3.35	20
2-Chlorotoluene	5.00	4.38	4.47	87.6	89.4	76.0-123			2.03	20
4-Chlorotoluene	5.00	4.33	4.31	86.6	86.2	75.0-122			0.463	20
1,2-Dibromo-3-Chloropropane	5.00	4.07	4.29	81.4	85.8	58.0-134			5.26	20
1,2-Dibromoethane	5.00	5.22	5.13	104	103	80.0-122			1.74	20
Dibromomethane	5.00	4.77	4.87	95.4	97.4	80.0-120			2.07	20
1,2-Dichlorobenzene	5.00	4.78	4.82	95.6	96.4	79.0-121			0.833	20
1,3-Dichlorobenzene	5.00	4.93	5.01	98.6	100	79.0-120			1.61	20
1,4-Dichlorobenzene	5.00	4.93	5.05	98.6	101	79.0-120			2.40	20
Dichlorodifluoromethane	5.00	4.19	4.11	83.8	82.2	51.0-149			1.93	20
1,1-Dichloroethane	5.00	4.52	4.53	90.4	90.6	70.0-126			0.221	20
1,2-Dichloroethane	5.00	4.04	4.01	80.8	80.2	70.0-128			0.745	20
1,1-Dichloroethene	5.00	5.11	5.02	102	100	71.0-124			1.78	20
cis-1,2-Dichloroethene	5.00	4.89	4.83	97.8	96.6	73.0-120			1.23	20
trans-1,2-Dichloroethene	5.00	4.99	5.06	99.8	101	73.0-120			1.39	20
1,2-Dichloropropane	5.00	4.74	4.50	94.8	90.0	77.0-125			5.19	20
1,1-Dichloropropene	5.00	4.78	4.67	95.6	93.4	74.0-126			2.33	20
1,3-Dichloropropane	5.00	5.23	5.07	105	101	80.0-120			3.11	20
cis-1,3-Dichloropropene	5.00	4.33	4.26	86.6	85.2	80.0-123			1.63	20
trans-1,3-Dichloropropene	5.00	4.31	4.24	86.2	84.8	78.0-124			1.64	20
2,2-Dichloropropane	5.00	4.43	4.51	88.6	90.2	58.0-130			1.79	20
Di-isopropyl ether	5.00	3.89	3.88	77.8	77.6	58.0-138			0.257	20
Ethylbenzene	5.00	5.68	5.48	114	110	79.0-123			3.58	20
Hexachloro-1,3-butadiene	5.00	3.98	4.45	79.6	89.0	54.0-138			11.2	20
Isopropylbenzene	5.00	4.97	4.98	99.4	99.6	76.0-127			0.201	20
p-Isopropyltoluene	5.00	4.55	4.60	91.0	92.0	76.0-125			1.09	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3488136-1 01/03/20 22:14 • (LCSD) R3488136-2 01/03/20 22:35

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
2-Butanone (MEK)	25.0	18.5	17.8	74.0	71.2	44.0-160			3.86	20
Methylene Chloride	5.00	4.64	4.53	92.8	90.6	67.0-120			2.40	20
4-Methyl-2-pentanone (MIBK)	25.0	19.1	18.5	76.4	74.0	68.0-142			3.19	20
Methyl tert-butyl ether	5.00	4.18	4.07	83.6	81.4	68.0-125			2.67	20
Naphthalene	5.00	3.85	4.06	77.0	81.2	54.0-135			5.31	20
n-Propylbenzene	5.00	4.40	4.50	88.0	90.0	77.0-124			2.25	20
Styrene	5.00	5.14	5.09	103	102	73.0-130			0.978	20
1,1,1,2-Tetrachloroethane	5.00	5.18	5.22	104	104	75.0-125			0.769	20
1,1,2,2-Tetrachloroethane	5.00	4.16	4.05	83.2	81.0	65.0-130			2.68	20
Tetrachloroethene	5.00	5.96	5.80	119	116	72.0-132			2.72	20
Toluene	5.00	5.40	5.35	108	107	79.0-120			0.930	20
1,1,2-Trichlorotrifluoroethane	5.00	5.69	5.61	114	112	69.0-132			1.42	20
1,2,3-Trichlorobenzene	5.00	3.57	4.22	71.4	84.4	50.0-138			16.7	20
1,2,4-Trichlorobenzene	5.00	4.18	4.49	83.6	89.8	57.0-137			7.15	20
1,1,1-Trichloroethane	5.00	4.35	4.36	87.0	87.2	73.0-124			0.230	20
1,1,2-Trichloroethane	5.00	5.39	5.17	108	103	80.0-120			4.17	20
Trichloroethene	5.00	5.39	5.54	108	111	78.0-124			2.74	20
Trichlorofluoromethane	5.00	4.83	4.64	96.6	92.8	59.0-147			4.01	20
1,2,3-Trichloropropane	5.00	4.29	4.05	85.8	81.0	73.0-130			5.76	20
1,2,3-Trimethylbenzene	5.00	4.40	4.43	88.0	88.6	77.0-120			0.680	20
1,2,4-Trimethylbenzene	5.00	4.33	4.35	86.6	87.0	76.0-121			0.461	20
1,3,5-Trimethylbenzene	5.00	4.42	4.39	88.4	87.8	76.0-122			0.681	20
Vinyl chloride	5.00	4.56	4.55	91.2	91.0	67.0-131			0.220	20
Xylenes, Total	15.0	16.3	16.0	109	107	79.0-123			1.86	20
(S) Toluene-d8				*108*	*106*	*80.0-120*				
(S) 4-Bromofluorobenzene				*96.9*	*95.4*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*80.4*	*81.9*	*70.0-130*				

Method Blank (MB)

(MB) R3488714-2 01/07/20 13:00

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		10.0	50.0
Acrolein	U		8.87	50.0
Acrylonitrile	U		1.87	10.0
Benzene	U		0.331	1.00
Bromobenzene	U		0.352	1.00
Bromodichloromethane	U		0.380	1.00
Bromoform	U		0.469	1.00
Bromomethane	U		0.866	5.00
n-Butylbenzene	U		0.361	1.00
sec-Butylbenzene	U		0.365	1.00
tert-Butylbenzene	U		0.399	1.00
Carbon tetrachloride	U		0.379	1.00
Chlorobenzene	U		0.348	1.00
Chlorodibromomethane	U		0.327	1.00
Chloroethane	U		0.453	5.00
2-Chloroethyl vinyl ether	U		3.01	50.0
Chloroform	U		0.324	5.00
Chloromethane	U		0.276	2.50
2-Chlorotoluene	U		0.375	1.00
4-Chlorotoluene	U		0.351	1.00
1,2-Dibromo-3-Chloropropane	U		1.33	5.00
1,2-Dibromoethane	U		0.381	1.00
Dibromomethane	U		0.346	1.00
1,2-Dichlorobenzene	U		0.349	1.00
1,3-Dichlorobenzene	U		0.220	1.00
1,4-Dichlorobenzene	U		0.274	1.00
Dichlorodifluoromethane	U		0.551	5.00
1,1-Dichloroethane	U		0.259	1.00
1,2-Dichloroethane	U		0.361	1.00
1,1-Dichloroethene	U		0.398	1.00
cis-1,2-Dichloroethene	U		0.260	1.00
trans-1,2-Dichloroethene	U		0.396	1.00
1,2-Dichloropropane	U		0.306	1.00
1,1-Dichloropropene	U		0.352	1.00
1,3-Dichloropropane	U		0.366	1.00
cis-1,3-Dichloropropene	U		0.418	1.00
trans-1,3-Dichloropropene	U		0.419	1.00
2,2-Dichloropropane	U		0.321	1.00
Di-isopropyl ether	U		0.320	1.00
Ethylbenzene	U		0.384	1.00

Method Blank (MB)

(MB) R3488714-2 01/07/20 13:00

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Hexachloro-1,3-butadiene	U		0.256	1.00
Isopropylbenzene	U		0.326	1.00
p-Isopropyltoluene	U		0.350	1.00
2-Butanone (MEK)	U		3.93	10.0
Methylene Chloride	U		1.00	5.00
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0
Methyl tert-butyl ether	U		0.367	1.00
Naphthalene	U		1.00	5.00
n-Propylbenzene	U		0.349	1.00
Styrene	U		0.307	1.00
1,1,1,2-Tetrachloroethane	U		0.385	1.00
1,1,2,2-Tetrachloroethane	U		0.130	1.00
Tetrachloroethene	U		0.372	1.00
Toluene	U		0.412	1.00
1,1,2-Trichlorotrifluoroethane	U		0.303	1.00
1,2,3-Trichlorobenzene	0.297	J	0.230	1.00
1,2,4-Trichlorobenzene	U		0.355	1.00
1,1,1-Trichloroethane	U		0.319	1.00
1,1,2-Trichloroethane	U		0.383	1.00
Trichloroethene	U		0.398	1.00
Trichlorofluoromethane	U		1.20	5.00
1,2,3-Trichloropropane	U		0.807	2.50
1,2,3-Trimethylbenzene	U		0.321	1.00
1,2,4-Trimethylbenzene	U		0.373	1.00
1,3,5-Trimethylbenzene	U		0.387	1.00
Vinyl chloride	U		0.259	1.00
Xylenes, Total	U		1.06	3.00
(S) Toluene-d8	*101*			*80.0-120*
(S) 4-Bromofluorobenzene	*97.5*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3488714-1 01/07/20 12:21

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	25.0	25.3	101	19.0-160	
Acrolein	25.0	27.6	110	10.0-160	
Acrylonitrile	25.0	26.1	104	55.0-149	

Laboratory Control Sample (LCS)

(LCS) R3488714-1 01/07/20 12:21

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	5.00	4.85	97.0	70.0-123	
Bromobenzene	5.00	5.13	103	73.0-121	
Bromodichloromethane	5.00	4.81	96.2	75.0-120	
Bromoform	5.00	4.72	94.4	68.0-132	
Bromomethane	5.00	6.79	136	10.0-160	
n-Butylbenzene	5.00	4.86	97.2	73.0-125	
sec-Butylbenzene	5.00	5.01	100	75.0-125	
tert-Butylbenzene	5.00	5.00	100	76.0-124	
Carbon tetrachloride	5.00	4.73	94.6	68.0-126	
Chlorobenzene	5.00	4.94	98.8	80.0-121	
Chlorodibromomethane	5.00	4.59	91.8	77.0-125	
Chloroethane	5.00	5.22	104	47.0-150	
2-Chloroethyl vinyl ether	25.0	25.1	100	51.0-160	
Chloroform	5.00	4.93	98.6	73.0-120	
Chloromethane	5.00	5.24	105	41.0-142	
2-Chlorotoluene	5.00	5.16	103	76.0-123	
4-Chlorotoluene	5.00	4.97	99.4	75.0-122	
1,2-Dibromo-3-Chloropropane	5.00	4.85	97.0	58.0-134	
1,2-Dibromoethane	5.00	5.05	101	80.0-122	
Dibromomethane	5.00	4.92	98.4	80.0-120	
1,2-Dichlorobenzene	5.00	5.06	101	79.0-121	
1,3-Dichlorobenzene	5.00	4.89	97.8	79.0-120	
1,4-Dichlorobenzene	5.00	5.21	104	79.0-120	
Dichlorodifluoromethane	5.00	4.72	94.4	51.0-149	
1,1-Dichloroethane	5.00	5.20	104	70.0-126	
1,2-Dichloroethane	5.00	4.77	95.4	70.0-128	
1,1-Dichloroethene	5.00	5.40	108	71.0-124	
cis-1,2-Dichloroethene	5.00	5.23	105	73.0-120	
trans-1,2-Dichloroethene	5.00	5.20	104	73.0-120	
1,2-Dichloropropane	5.00	4.86	97.2	77.0-125	
1,1-Dichloropropene	5.00	4.80	96.0	74.0-126	
1,3-Dichloropropane	5.00	4.97	99.4	80.0-120	
cis-1,3-Dichloropropene	5.00	5.02	100	80.0-123	
trans-1,3-Dichloropropene	5.00	4.64	92.8	78.0-124	
2,2-Dichloropropane	5.00	4.53	90.6	58.0-130	
Di-isopropyl ether	5.00	4.94	98.8	58.0-138	
Ethylbenzene	5.00	4.85	97.0	79.0-123	
Hexachloro-1,3-butadiene	5.00	5.05	101	54.0-138	
Isopropylbenzene	5.00	4.67	93.4	76.0-127	
p-Isopropyltoluene	5.00	4.88	97.6	76.0-125	

Laboratory Control Sample (LCS)

(LCS) R3488714-1 01/07/20 12:21

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
2-Butanone (MEK)	25.0	25.5	102	44.0-160	
Methylene Chloride	5.00	4.84	96.8	67.0-120	
4-Methyl-2-pentanone (MIBK)	25.0	25.9	104	68.0-142	
Methyl tert-butyl ether	5.00	5.25	105	68.0-125	
Naphthalene	5.00	4.87	97.4	54.0-135	
n-Propylbenzene	5.00	4.94	98.8	77.0-124	
Styrene	5.00	4.46	89.2	73.0-130	
1,1,1,2-Tetrachloroethane	5.00	4.62	92.4	75.0-125	
1,1,2,2-Tetrachloroethane	5.00	5.29	106	65.0-130	
Tetrachloroethene	5.00	4.72	94.4	72.0-132	
Toluene	5.00	4.83	96.6	79.0-120	
1,1,2-Trichlorotrifluoroethane	5.00	5.04	101	69.0-132	
1,2,3-Trichlorobenzene	5.00	4.87	97.4	50.0-138	
1,2,4-Trichlorobenzene	5.00	4.91	98.2	57.0-137	
1,1,1-Trichloroethane	5.00	5.13	103	73.0-124	
1,1,2-Trichloroethane	5.00	4.79	95.8	80.0-120	
Trichloroethene	5.00	4.89	97.8	78.0-124	
Trichlorofluoromethane	5.00	4.48	89.6	59.0-147	
1,2,3-Trichloropropane	5.00	6.07	121	73.0-130	
1,2,3-Trimethylbenzene	5.00	4.83	96.6	77.0-120	
1,2,4-Trimethylbenzene	5.00	4.75	95.0	76.0-121	
1,3,5-Trimethylbenzene	5.00	5.00	100	76.0-122	
Vinyl chloride	5.00	4.99	99.8	67.0-131	
Xylenes, Total	15.0	14.7	98.0	79.0-123	
(S) Toluene-d8			*100*	*80.0-120*	
(S) 4-Bromofluorobenzene			*102*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*101*	*70.0-130*	

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.

Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1 6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana [1]	LA180010	Texas	T104704245-18-15
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

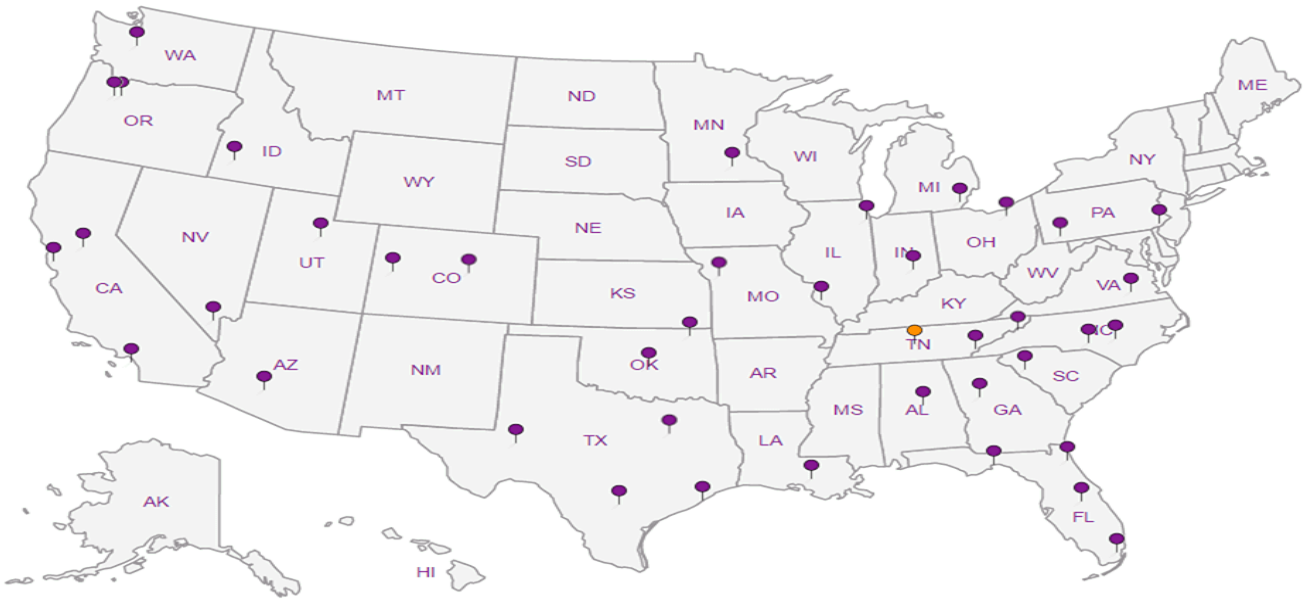
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

Our Locations

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.



Chain of Custody

Page ___ of ___

PM Environmental, Inc.

717 Highway 67 South, Suite 26
Decatur, AL 35603-6351

Billing Information:
Accounts Payable
3340 Ranger Rd
Lansing, MI 48906

Report to: Ms. Suzy Evans

Email To: evans@pmenv.com, stephenson@pmenv.com,

Project Description: Delta Auto

City/State Collected:

Please Circle: PT MT CT ET

Phone: 256-353-6222
Fax: 256-353-8123

Client Project #

Lab Project # PMENVDALR-FLORENCE
07-3738-0 V0-34

Collected by (print): Josh Schultz

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Pace Analytical®
National Center for Testing & Innovation
12065 Lebanon Rd
Mount Juliet, TN 37122
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Fax: 615-758-5859

SDG # 1176003
G249

Acctnum: PMENVDALR
Template: T159719
Prelogin: P742595
PM: 034 - Craig Cothron
PB: LC 11/26
Shipped Via: FedEX Ground

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Metals 250mlHDPE-HNO3	PHT 250mlAmb-H2SO4	V8260 40mlAmb-HCl	V8260 40mlAmb-HCl-Blk	Remarks	Sample # (lab only)
~~TRIP BLANK~~		GW										
TRIP BLANK	Grab	GW	—	12.31	—	1				X		-01
EQUIPMENT BLANK	Grab	GW	—	12.31	1255	3			X			02
MW-5	Grab	GW	—	12.31	1135	5	X	X	X			03
MW-11	Grab	GW	—	12.31	1045	5	X	X	X			04
MW-13	Grab	GW	—	12.31	1249	5	X	X	X			05

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP ✓Y __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: ✓Y __N
If Applicable
VOA Zero Headspace: ✓Y __N
Preservation Correct/Checked: ✓Y __N
RAD Screen <0.5 mR/hr: ✓Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	1-2-19	1230	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
			Carol Kemp

Trip Blank Received: Yes / No
HCL / MeoH
TBR
1

Temp: 1.6-.1=1.5 °C (AV) Bottles Received: 23

Date: 1/3/20 Time: 9:30

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Pace Analytical®
National Center for Testing & Innovation

Login #: L1176003	Client:PMENVDALR	Date:01/03	Evaluated by:Kelsey S

Non-Conformance (check applicable items)

	Sample Integrity		Chain of Custody Clarification		
	Parameter(s) past holding time		Login Clarification Needed		**If Broken Container:**
	Temperature not in range		Chain of custody is incomplete		Insufficient packing material around container
	Improper container type		Please specify Metals requested.		Insufficient packing material inside cooler
	pH not in range.		Please specify TCLP requested.		Improper handling by carrier (FedEx / UPS / Cour
	Insufficient sample volume.	X	Received additional samples not listed on coc.		Sample was frozen
	Sample is biphasic.		Sample ids on containers do not match ids on coc		Container lid not intact
	Vials received with headspace.		Trip Blank not received.		**If no Chain of Custody:**
	Broken container		Client did not "X" analysis.		Received by:
	Broken container:		Chain of Custody is missing		Date/Time:
	Sufficient sample remains				Temp./Cont. Rec./pH:
					Carrier:
					Tracking#

Login Comments: Received extra ID Duplicate not listed on COC.

Client informed by:		Call		Email	x	Voice Mail		Date:1/6/20	Time:930
TSR Initials:cc	Client Contact: Suzy Evans								

Login Instructions:

Log this sample as another duplicate. Log for all analysis listed on COC.

APPENDIX B

WATER WELL INFORMATION &
ANNUAL WATER QUALITY REPORT

Sheffield Utilities Annual Water Quality Report

Sheffield Utilities is pleased to bring you our 2025 Annual Water Quality Report. This report is designed to keep you informed about the quality of water and the services we provide daily to our community. Our top priorities are your safety and serving as a responsible custodian of the environment. We rigorously monitor our system and service area to uphold the highest standards of water quality and reliability.

The U.S. Environmental Protection Agency (EPA) and the State of Alabama have established strict guidelines to ensure safe drinking water for all residents. Sheffield Utilities not only meets these standards but continually strives to exceed them. Through advanced water treatment processes, regular testing, and ongoing infrastructure improvements, we are committed to delivering clean and safe water to the homes and businesses throughout our service area. We recognize the vital role that water plays in the well-being of our community. Whether it's for drinking, cooking, bathing, or daily household use, you can trust that our dedicated team works around the clock to maintain water safety and reliability. We appreciate your trust in us and remain dedicated to our community now and in the future.

The Sheffield Water Treatment Plant is located at 919 Alabama Ave and utilizes the Pickwick Lake portion of the Tennessee River for its primary drinking water source. Our facility employs a comprehensive treatment process including mixing, flocculation, sedimentation, filtration and disinfection. To further enhance water purity and taste, we are in the preliminary process of integrating Granular Activated Carbon (GAC) filtration into our treatment process. This advanced filtration method will provide an additional layer of protection by effectively reducing organic compounds, improving odor and taste, and minimizing potential contaminants.

Sheffield Utilities, in conjunction with TVA, has produced a Source Water Assessment Report. This Source Water Assessment Report is available at the main office of Sheffield Utilities at 300 North Nashville Avenue, Sheffield, Alabama and can be seen Monday - Friday between the hours of 8:00 a.m. and 5:00 p.m. Based on a study conducted by ADEM with the approval of the EPA a statewide waiver for the monitoring of asbestos and dioxin was issued. Thus, monitoring for these contaminants is not required. Radiological samples were tested in 2021.

In 2022 Sheffield Utilities completed lead and copper monitoring without exceeding any lead or copper action levels. We will continue monitoring lead and copper every three years according to Alabama Department of Environmental Management (ADEM) regulations. The next monitoring period will be June through September 2025.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised people such as people with cancer undergoing chemotherapy, people who have undergone organ transplants, people with HIV/AIDS or other immune system

disorders, some elderly, and infants can be particularly at risk for infections. These people should seek advice about drinking water from their health care providers. The EPA and CDC (Center for Disease Control) have guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline (800-4276-4791). All drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some contaminants. It's important to remember the presence of these contaminants does not necessarily pose a health risk.

The Sheffield Utilities Board has regularly scheduled meetings on the last Wednesday of each month in the main conference room at Sheffield Utilities' main office building at 300 N. Nashville Avenue, Sheffield, Alabama. Current Board Members are Kermit Campbell, Chair; Rea Phyfer, Vice Chair; Brian Young; Heath Colcock; and Mike Davis.

REGULATED CONTAMINANTS				
Bacteriological	Beryllium	Carbaryl	Methoxychlor	PFAS
Total Coliform Bacteria	Dissolved Solids		Metolachlor	PFHpA
Fecal Coliform	Lead	BDMC (S)	Metribuzin	PFPeA
Cryptosporidium	Selenium	Glyphosate	Propachlor	PFPeS
Giardia	Thallium	Diquat	Simazine	PFDoA
E Coli	Mercury	2,4,5-TP (Silvex)	Endothall	PFMPA
Radiological	Sodium	Picloram	1,3-Dimethyl-2-nitrobenzene	PFNA
Beta/photon emitters	Nitrate-Nitrite	Alachlor	Benzo(a)pyrene-d12	PFPeA
Alpha emitters	Nitrite	Aldrin	Triphenylphosphate	PFPeS
Combined radium	Orthophosphate	Atrazine	Aldicarb	4:2 FTS
Uranium	Cyanide	Benzo(a)pyrene	Aldicarb sulfone	6:2 FTS
Inorganic Chemicals		gamma-BHC (Lindane)	Aldicarb sulfoxide	8:2 FTS
Arsenic	**Organic Compounds**	Butachlor	Carbofuran	9Cl-PF3ONS
Cadmium	1,2-Dibromo-3-chloropropane	alpha-Chlordane	3-Hydroxycarbofuran	ADONA
Calcium	1,2-Dibromoethane (EDB)	gamma-Chlordane	Methomyl	HFPO-DA
Chromium	Chlordane (Technical)	Dieldrin	Oxamyl	NFDHA
Iron	PCB, Total	Endrin	**UCMR5**	PFHxA
Manganese	Toxaphene	bis(2-Ethylhexyl) adipate	lithium	PFHxS
Nickel	2,4-D	bis(2-Ethylhexyl) phthalate	11Cl-PF3OUdS	NMeFOSAA
Silver	Dalapon	Heptachlor	NEtFOSAA	
Zinc	Dicamba	Heptachlor epoxide	PFOS	
Antimony	Dinoseb	Hexachlorobenzene	PFBS	
Bromate	Pentachlorophenol	Hexachlorocyclopentadiene	PFDA	

Unregulated Contaminants			
Methylene Chloride	1,3-Dichlorobenzene	1,1,2,2-Tetrachloroethane	trans-1,2-Dichloroethene
Dichlorodifluoromethane	1,4-Dichlorobenzene	2-Chlorotoluene	1,1-Dichloroethene
Chloromethane	1,2-Dichloroethane	n-Propylbenzene	trans-1,3-Dichloropropene
Vinyl chloride	1,2-Dichloropropane	4-Chlorotoluene	Bromochloromethane
Bromomethane	Dibromomethane	1,3,5-Trimethylbenzene	4-Bromofluorobenzene
Benzene	Toluene	tert-Butylbenzene	Toluene-d8
Chloroethane	1,1,2-Trichloroethane	1,2,4-Trimethylbenzene	1,2-Dichlorobenzene-d4
Chlorobenzene	1,3-Dichloropropane	sec-Butylbenzene	Trichloroethene
Trichlorofluoromethane	1,2,3-Trichloropropane	p-Isopropyltoluene	Tetrachloroethene
1,1-Dichloroethane	Ethylbenzene	n-Butylbenzene	cis-1,2-Dichloroethene
2,2-Dichloropropane	1,1,1,2-Tetrachloroethane	1,2,4-Trichlorobenzene	cis-1,3-Dichloropropene
1,1-Dichloropropene	Xylene (Total)	Naphthalene	Styrene
1,2-Dichlorobenzene	Bromoform	Hexachloro-1,3-butadiene	Bromochloromethane
1,1,1-Trichloroethane	Isopropylbenzene (Cumene)	1,2,3-Trichlorobenzene	Dibromochloromethane
Carbon tetrachloride	Bromobenzene	Methyl-tert-butyl ether	Dibromochloromethane

Table of Detected Contaminants - 2024 Data					
CONTAMINANT	**MCLG**	**MCL**	**DETECTED**		**SOURCE**
Alkalinity	-	-	68.0	ppm	Measuring Scale
Aluminum	0.2	0.2	.043	ppm	Erosion of natural deposits
Barium	2	2	.026	ppm	Fertilizer runoff; Erosion of natural deposits
Calcium	-	-	20.7	ppm	Naturally present in the environment
Chloride	-	250	17.6	ppm	Fertilizer runoff; Erosion of natural deposits
Carbon Dioxide	-	-	5.73	ppm	Naturally present in the environment
Copper	1.3	1.3	.0015	ppm	Erosion of natural deposits
Fluoride	4	4	.64	ppm	Erosion of natural deposits
Iron	-	-	.003	ppm	Erosion of natural deposits
Magnesium	-	-	.005	ppm	Erosion of natural deposits
Nitrate	10	10	0.57	ppm	Leaking Septic tanks; Erosion of natural deposits
Nitrogen;Nitrate	10	10	.57	ppm	Fertilizer runoff; Erosion of natural deposits
PH	-	-	7.61	SU	Measuring Scale
Sodium	-	-	13.2	ppm	Naturally present in the environment
Sulfate	-	500	9.3	ppm	Fertilizer runoff; Erosion of natural deposits
Turbidity	TT	TT	0.038	NTU	Soil Erosion
Tot Hardness	-	-	70.6	ppm	Fertilizer runoff; Erosion of natural deposits
Disinfectants in Distribution System - 2024 Data					
Chlorine	4	4	1.63	ppm	Disinfection
Disinfection By-Products - 2024 Data					
TTHM	-	80	56.1	ppb	By-Product of drinking water disinfection
HAA5	-	60	30.6	ppb	By-Product of drinking water disinfection

Organic Chemicals - 2024 Data					
TOC	n/a	TT	1.41	ppm	Naturally present in the environment
Bromodichloromethane	n/a	TT	2.4	ppb	Naturally present in the environment
Chloroform	n/a	TT	5.1	ppb	Naturally present in the environment
Dibromochlor**o**methane	n/a	TT	2.81	ppb	Naturally present in the environment
Per and Polyfluoroalkyl Substances - 2024 Data					
Contaminant	**Units**	**Amount Detected**	**Source**		
PFBS	ppt	4.5	Nonstick; food packaging and water-resistant		
PFHxA	ppt	3.7	Nonstick; food packaging and water-resistant		
PFHpA	ppt	2.6	Nonstick; food packaging and water-resistant		
PFHxS	ppt	2.7	Nonstick; food packaging and water-resistant		
PFOS	ppt	19.0	Nonstick; food packaging and water-resistant		
PFOA	ppt	10.0	Nonstick; food packaging and water-resistant		
Radiological - 2024 Data					
Gross Alpha	pCi/l	1.93	Erosion of natural deposits		
Combined Radium	pCi/l	.768	Erosion of natural deposits		
Crypto - 2024 Data					
Cryptosporidium	0	0 N.D.	Found in Surface water		
Giardia	0	0 N.D.	Found in Surface water		

In the following tables you will find many terms and abbreviations that may not be familiar to you. To help you better understand these terms we have provided the following definitions:

- **Parts per million (ppm) or milligrams per liter (mg/l)**

One part per million corresponds to one minute in two years or a single penny in $10,000.

- **Parts per billion (ppb) or micrograms per liter**

One part per billion corresponds to one minute in 2,000 years, or a single penny in $10,000,000.

- **Parts per trillion (ppt) or nanogram per liter(ng/L)**

One part per trillion corresponds to one second in 31,709 years.

- **Nephelometric Turbidity Unit (NTU)**

Nephelometric turbidity unit is a measure of the clarity of water. Turbidity in excess of 5 NTU is just noticeable to the average person.

- **ND- Not detected.**
- **Maximum Contaminant Level Goal or MCLG**

The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

- **Maximum Contaminant Level (MCL)**

The highest level of contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

- **Action Level (AL)**
- **Treatment Technique (TT)**

A required process intended to reduce the level of a contaminant on drinking water.

- **Maximum Residual Disinfectant Level Goal (MRDLG)**

The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

- **Variance and Exemptions**

ADEM or EPA permission not to meet a MCL or a treatment technique under certain conditions.

- **Reporting Violation**

The result of a lab not submitting a utilities test result by the due date.

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
1 **NNW** **1/2 - 1 Mile** **Higher**	**FRDS PWS**	**AL0000309**

Epa region:	04	State:	AL
Pwsid:	AL0000309	Pwsname:	HUNTING CREEK CLUB
Cityserved:	Not Reported	Stateserved:	AL
Zipserved:	Not Reported	Fipscounty:	01033
Status:	Closed	Retpopsrvd:	30
Pwssvcconn:	53	Psource longname:	Groundwater
Pwstype:	TNCWS	Owner:	Private
Contact:	MR JIMMY TODD	Contactorgname:	Not Reported
Contactphone:	205-370-7513	Contactaddress1:	RT 2 BOX 35 CEDAR HILLS ESTATE
Contactaddress2:	Not Reported	Contactcity:	TUSCUMBIA
Contactstate:	AL	Contactzip:	356740000
Pwsactivitycode:	I		

Pwsid:	AL0000309	Facid:	5
Facname:	TREATMENT PLANT	Factype:	Treatment_plant
Facactivitycode:	I	Trtobjective:	disinfection
Trtprocess:	hypochlorination, post	Factypecode:	TP

PWS ID:	AL0000309	PWS type:	System Owner/Responsible Party
PWS name:	JIM DAVIS	PWS address:	HUNTING CREEK CLUB
PWS address:	3211 18TH AVE.	PWS city:	SHEFFIELD
PWS state:	AL	PWS zip:	356600000
PWS ID:	AL0000309	Activity status:	Active
Date system activated:	7706	Date system deactivated:	Not Reported
Retail population:	00000060	System name:	HUNTING CREEK CLUB
System address:	JIM DAVIS	System address:	3211 18TH AVE.
System city:	SHEFFIELD	System state:	AL
System zip:	356600000		

Population served:	Under 101 Persons	Treatment:	Treated
Latitude:	344554	Longitude:	0874154
Latitude:	343431	Longitude:	0875754

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for COLBERT County: 1

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 35660

Number of sites tested: 2

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.500 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	8.800 pCi/L	0%	100%	0%

APPENDIX C

LABORATORY ANALYTICAL DATA REPORTS

Sutherland
Environmental Company, Inc.
2515 5th Avenue South
Birmingham, AL 35233
PHONE: (205)581-9500
E-mail: suthlab@bellsouth.net

CHAIN OF CUSTODY
ANALYSIS REQUEST

SEND REPORT TO:
Name: Doug Bullock
Company: Bullock Environmental
Address:
Phone#: Cell #
E-mail(s):

Invoice # 55887

Page ___ of ___

Client P.O. #

PDF: yes no

CLIENT: Gautney Properties

PROJECT NAME/#: 26-GAUT01

SAMPLER(S): (print) Sarah Fox

DATE DELIVERED:

LAB ID	FIELD ID	DATE Collected	TIME Collected	SAMPLE DESCRIPTION (matrix)	ANALYSIS REQUESTED / METHOD: VOCs								Number of sample containers
274988	MW-5	4-23-26	1310	gw	X								3
274989	MW-5 Dup	"	1310	"	"								"
274990	MW-7	"	1120	"	"								"
274991	MW-9	"	1230	"	"								"
274992	MW-10	"	1130	"	"								"
274993	MW-11	"	1330	"	"								"
274994	MW-12	"	1220	"	"								"
274995	MW-15	"	1200	"	"								"

Preservative: (a)HCL, (b)HNO_3, (c)H_2SO_4, (d)NaOH, (e) $Na_2S_2O_3$, (f) H_3PO_4, (g)Zn Acetate **Preservative:**
Container type: (a) Amber, (g) Glass, (p) Plastic, (v) VOC Vial, (air) air bag **Container:**

Last revised 12/11/23

Relinquished by Sampler:	Date	Time	Received by:	Date	Time
Signed: Sarah Fox	4-24-26	9:04	Signed:		
Relinquished by:	Date	Time	Received by:	Date	Time
Signed:			Signed:		
Relinquished by:	Date	Time	Received in Lab by:	Date	Time
Signed:			Signed: M. M.	4/24	9:04

Turn Around Time

Standard: X **RUSH:** ___ 3-DAY 1-DAY 2-DAY SAME DAY

Remarks:

Refrigerated upon receipt: (yes) no

Sutherland

Environmental Company, Inc.

2515 5th Avenue South
Birmingham, AL 35233
205-581-9500

Client:	Bullock Environmental, LLC	Report Date:	April 27, 2026
Attention:	Mr. Doug Bullock	Reference #	55887
Address:	4924 5th Ave. South	P.O. #	verbal
	Birmingham, AL 35222	Project ID:	26-GAUT01

Sample Matrix:	water	Analytical	
Date Received:	4/24/26	Analyst:	Hageman/Heard
Date Collected:	4/23/26	Date Analysis:	4/24/26
Sample Collector:	S. Fox	Method:	***EPA Method 8260B***

VOLATILE ORGANIC COMPOUNDS

VOLATILE ORGANIC COMPOUNDS, PPM	FIELD ID MW-5 LAB ID 274988	FIELD ID MW-5 DUP LAB ID 274989	FIELD ID MW-7 LAB ID 274990	FIELD ID MW-9 LAB ID 274991	FIELD ID MW-10 LAB ID 274992	Detection Limit PPM
Benzene	BDL	BDL	BDL	BDL	BDL	0.005
Bromobenzene	BDL	BDL	BDL	BDL	BDL	0.005
Bromochloromethane	BDL	BDL	BDL	BDL	BDL	0.005
Bromodichloromethane	BDL	BDL	BDL	BDL	BDL	0.005
Bromoform	BDL	BDL	BDL	BDL	BDL	0.005
Bromomethane	BDL	BDL	BDL	BDL	BDL	0.005
n-Butylbenzene	BDL	BDL	BDL	BDL	BDL	0.005
sec-Butylbenzene	BDL	BDL	BDL	BDL	BDL	0.005
tert-Butybenzene	BDL	BDL	BDL	BDL	BDL	0.005
Carbon Tetrachloride	BDL	BDL	BDL	BDL	BDL	0.005
Chlorobenzene	BDL	BDL	BDL	BDL	BDL	0.005
Chloroethane	BDL	BDL	BDL	BDL	BDL	0.005
Chloroform	BDL	BDL	BDL	BDL	BDL	0.005
Chloromethane	BDL	BDL	BDL	BDL	BDL	0.005
2-Chlorotoluene	BDL	BDL	BDL	BDL	BDL	0.005
4-Chlorotoluene	BDL	BDL	BDL	BDL	BDL	0.005
Dibromochloromethane	BDL	BDL	BDL	BDL	BDL	0.005
1,2-Dibromo-3-Chloropropane	BDL	BDL	BDL	BDL	BDL	0.005
1,2-Dibromoethane	BDL	BDL	BDL	BDL	BDL	0.005
Dibromomethane	BDL	BDL	BDL	BDL	BDL	0.005
1,2-Dichlorobenzene	BDL	BDL	BDL	BDL	BDL	0.005
1,3-Dichlorobenzene	BDL	BDL	BDL	BDL	BDL	0.005
1,4-Dichlorobenzene	BDL	BDL	BDL	BDL	BDL	0.005
Dichlorodifluoromethane	BDL	BDL	BDL	BDL	BDL	0.005
1,1-Dichloroethane	**0.008**	**0.008**	BDL	BDL	BDL	0.002
1,2-Dichloroethane	BDL	BDL	BDL	BDL	BDL	0.005

Compound List Continued next page

BDL = Below Detection Limit, Method
All results expressed as PPM (mg/L)

Sutherland

Environmental Company, Inc.

2515 5th Avenue South
Birmingham, AL 35233
205-581-9500

Client:	Bullock Environmental, LLC	Report Date:	April 27, 2026
Attention:	Mr. Doug Bullock	Reference #	55887
Address:	4924 5th Ave. South	P.O. #	verbal
	Birmingham, AL 35222	Project ID:	26-GAUT01

Sample Matrix:	water	Analytical	
Date Received:	4/24/26	Analyst:	Hageman/Heard
Date Collected:	4/23/26	Date Analysis:	4/24/26
Sample Collector:	S. Fox	Method:	***EPA Method 8260B***

VOLATILE ORGANIC COMPOUNDS

VOLATILE ORGANIC COMPOUNDS, PPM	FIELD ID MW-5 LAB ID 274988	FIELD ID MW-5 DUP LAB ID 274989	FIELD ID MW-7 LAB ID 274990	FIELD ID MW-9 LAB ID 274991	FIELD ID MW-10 LAB ID 274992	Detection Limit PPM
1,1-Dichloroethene	**0.065**	**0.064**	BDL	BDL	BDL	0.005
cis-1,2-Dichloroethene	BDL	BDL	BDL	BDL	BDL	0.005
trans-1,2-Dichloroethene	BDL	BDL	BDL	BDL	BDL	0.005
1,2-Dichloropropane	BDL	BDL	BDL	BDL	BDL	0.005
1,3- Dichloropropane	BDL	BDL	BDL	BDL	BDL	0.005
2,2-Dichloropropane	BDL	BDL	BDL	BDL	BDL	0.005
1,1-Dichloropropene	BDL	BDL	BDL	BDL	BDL	0.005
cis-1-3,Dichloropropene	BDL	BDL	BDL	BDL	BDL	0.005
trans-1,3-Dichloropropene	BDL	BDL	BDL	BDL	BDL	0.005
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	0.005
Hexachlorobutadiene	BDL	BDL	BDL	BDL	BDL	0.005
Isopropylbenzene	BDL	BDL	BDL	BDL	BDL	0.005
4-Isopropyltoluene	BDL	BDL	BDL	BDL	BDL	0.005
Methylene Chloride	BDL	BDL	BDL	BDL	BDL	0.005
Naphthalene	BDL	BDL	BDL	BDL	BDL	0.010
n-Propylbenzene	BDL	BDL	BDL	BDL	BDL	0.005
Styrene	BDL	BDL	BDL	BDL	BDL	0.005
1,1,1,2-Tetrachloroethane	BDL	BDL	BDL	BDL	BDL	0.005
1,1,2,2-Tetrachloroethane	BDL	BDL	BDL	BDL	BDL	0.005
Tetrachloroethene	BDL	BDL	BDL	BDL	BDL	0.005
Toluene	BDL	BDL	BDL	BDL	BDL	0.005
1,2,3-Trichlorobenzene	BDL	BDL	BDL	BDL	BDL	0.005
1,2,4-Trichlorobenzene	BDL	BDL	BDL	BDL	BDL	0.005
1,1,1-Trichloroethane	BDL	BDL	BDL	BDL	BDL	0.005
1,1,2-Trichloroethane	BDL	BDL	BDL	BDL	BDL	0.005

Compound List Continued next page

BDL = Below Detection Limit, Method
All results expressed as PPM (mg/L)

Sutherland

Environmental Company, Inc.

2515 5th Avenue South
Birmingham, AL 35233
205-581-9500

Client:	Bullock Environmental, LLC	Report Date:	April 27, 2026
Attention:	Mr. Doug Bullock	Reference #	55887
Address:	4924 5th Ave. South	P.O. #	verbal
	Birmingham, AL 35222	Project ID:	26-GAUT01

Sample Matrix:	water	Analytical	
Date Received:	4/24/26	Analyst:	Hageman/Heard
Date Collected:	4/23/26	Date Analysis:	4/24/26
Sample Collector:	S. Fox	Method:	***EPA Method 8260B***

VOLATILE ORGANIC COMPOUNDS

VOLATILE ORGANIC COMPOUNDS, PPM	FIELD ID / LAB ID MW-5 / 274988	FIELD ID / LAB ID MW-5 DUP / 274989	FIELD ID / LAB ID MW-7 / 274990	FIELD ID / LAB ID MW-9 / 274991	FIELD ID / LAB ID MW-10 / 274992	Detection Limit PPM
Trichloroethylene	BDL	BDL	BDL	BDL	BDL	0.005
Trichlorofluoromethane	BDL	BDL	BDL	BDL	BDL	0.005
1,2,3-Trichloropropane	BDL	BDL	BDL	BDL	BDL	0.005
1,2,4-Trimethylbenzene	BDL	BDL	BDL	BDL	BDL	0.005
1,3,5-Trimethylbenzene	BDL	BDL	BDL	BDL	BDL	0.005
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	0.002
Xylenes, o,m,p	BDL	BDL	BDL	BDL	BDL	0.005
MTBE	BDL	BDL	BDL	BDL	BDL	0.005

BDL = Below Detection Limit, Method
All resuits expressed as PPM (mg/L)

Sutherland

Environmental Company, Inc.

2515 5th Avenue South
Birmingham, AL 35233
205-581-9500

Client:	Bullock Environmental, LLC	Report Date:	April 27, 2026
Attention:	Mr. Doug Bullock	Reference #	55887
Address:	4924 5th Ave. South	P.O. #	verbal
	Birmingham, AL 35222	Project ID:	26-GAUT01

Sample Matrix:	water	Analytical	
Date Received:	4/24/26	Analyst:	Hageman/Heard
Date Collected:	4/23/26	Date Analysis:	4/24/26
Sample Collector:	S. Fox	Method:	***EPA Method 8260B***

VOLATILE ORGANIC COMPOUNDS

VOLATILE ORGANIC COMPOUNDS, PPM	FIELD ID MW-11 LAB ID 274993	FIELD ID MW-12 LAB ID 274994	FIELD ID MW-15 LAB ID 274995			Detection Limit PPM
Benzene	BDL	BDL	BDL			0.005
Bromobenzene	BDL	BDL	BDL			0.005
Bromochloromethane	BDL	BDL	BDL			0.005
Bromodichloromethane	BDL	BDL	BDL			0.005
Bromoform	BDL	BDL	BDL			0.005
Bromomethane	BDL	BDL	BDL			0.005
n-Butylbenzene	BDL	BDL	BDL			0.005
sec-Butylbenzene	BDL	BDL	BDL			0.005
tert-Butybenzene	BDL	BDL	BDL			0.005
Carbon Tetrachloride	BDL	BDL	BDL			0.005
Chlorobenzene	BDL	BDL	BDL			0.005
Chloroethane	BDL	BDL	BDL			0.005
Chloroform	BDL	BDL	BDL			0.005
Chloromethane	BDL	BDL	BDL			0.005
2-Chlorotoluene	BDL	BDL	BDL			0.005
4-Chlorotoluene	BDL	BDL	BDL			0.005
Dibromochloromethane	BDL	BDL	BDL			0.005
1,2-Dibromo-3-Chloropropane	BDL	BDL	BDL			0.005
1,2-Dibromoethane	BDL	BDL	BDL			0.005
Dibromomethane	BDL	BDL	BDL			0.005
1,2-Dichlorobenzene	BDL	BDL	BDL			0.005
1,3-Dichlorobenzene	BDL	BDL	BDL			0.005
1,4-Dichlorobenzene	BDL	BDL	BDL			0.005
Dichlorodifluoromethane	BDL	BDL	BDL			0.005
1,1-Dichloroethane	BDL	BDL	BDL			0.002
1,2-Dichloroethane	BDL	BDL	BDL			0.005

Compound List Continued next page

BDL = Below Detection Limit, Method
All results expressed as PPM (mg/L)

Sutherland

Environmental Company, Inc.

2515 5th Avenue South
Birmingham, AL 35233
205-581-9500

Client:	Bullock Environmental, LLC	Report Date:	April 27, 2026
Attention:	Mr. Doug Bullock	Reference #	55887
Address:	4924 5th Ave. South	P.O. #	verbal
	Birmingham, AL 35222	Project ID:	26-GAUT01

Sample Matrix:	water	Analytical	
Date Received:	4/24/26	Analyst:	Hageman/Heard
Date Collected:	4/23/26	Date Analysis:	4/24/26
Sample Collector:	S. Fox	Method:	***EPA Method 8260B***

VOLATILE ORGANIC COMPOUNDS

VOLATILE ORGANIC COMPOUNDS, PPM	FIELD ID MW-11 LAB ID 274993	FIELD ID MW-12 LAB ID 274994	FIELD ID MW-15 LAB ID 274995			Detection Limit PPM
1,1-Dichloroethene	BDL	BDL	BDL			0.005
cis-1,2-Dichloroethene	BDL	BDL	BDL			0.005
trans-1,2-Dichloroethene	BDL	BDL	BDL			0.005
1,2-Dichloropropane	BDL	BDL	BDL			0.005
1,3- Dichloropropane	BDL	BDL	BDL			0.005
2,2-Dichloropropane	BDL	BDL	BDL			0.005
1,1-Dichloropropene	BDL	BDL	BDL			0.005
cis-1-3,Dichloropropene	BDL	BDL	BDL			0.005
trans-1,3-Dichloropropene	BDL	BDL	BDL			0.005
Ethylbenzene	BDL	BDL	BDL			0.005
Hexachlorobutadiene	BDL	BDL	BDL			0.005
Isopropylbenzene	BDL	BDL	BDL			0.005
4-Isopropyltoluene	BDL	BDL	BDL			0.005
Methylene Chloride	BDL	BDL	BDL			0.005
Naphthalene	BDL	BDL	BDL			0.010
n-Propylbenzene	BDL	BDL	BDL			0.005
Styrene	BDL	BDL	BDL			0.005
1,1,1,2-Tetrachloroethane	BDL	BDL	BDL			0.005
1,1,2,2-Tetrachloroethane	BDL	BDL	BDL			0.005
Tetrachloroethene	BDL	BDL	BDL			0.005
Toluene	BDL	BDL	BDL			0.005
1,2,3-Trichlorobenzene	BDL	BDL	BDL			0.005
1,2,4-Trichlorobenzene	BDL	BDL	BDL			0.005
1,1,1-Trichloroethane	BDL	BDL	BDL			0.005
1,1,2-Trichloroethane	BDL	BDL	BDL			0.005

Compound List Continued next page

BDL = Below Detection Limit, Method
All results expressed as PPM (mg/L)

Sutherland

Environmental Company, Inc.

2515 5th Avenue South
Birmingham, AL 35233
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Client:	Bullock Environmental, LLC	Report Date:	April 27, 2026
Attention:	Mr. Doug Bullock	Reference #	55887
Address:	4924 5th Ave. South	P.O. #	verbal
	Birmingham, AL 35222	Project ID:	26-GAUT01

Sample Matrix:	water	Analytical	
Date Received:	4/24/26	Analyst:	Hageman/Heard
Date Collected:	4/23/26	Date Analysis:	4/24/26
Sample Collector:	S. Fox	Method:	***EPA Method 8260B***

VOLATILE ORGANIC COMPOUNDS

VOLATILE ORGANIC COMPOUNDS, PPM	FIELD ID MW-11 LAB ID 274993	FIELD ID MW-12 LAB ID 274994	FIELD ID MW-15 LAB ID 274995			Detection Limit PPM
Trichloroethylene	BDL	BDL	BDL			0.005
Trichlorofluoromethane	BDL	BDL	BDL			0.005
1,2,3-Trichloropropane	BDL	BDL	BDL			0.005
1,2,4-Trimethylbenzene	BDL	BDL	BDL			0.005
1,3,5-Trimethylbenzene	BDL	BDL	BDL			0.005
Vinyl Chloride	BDL	BDL	BDL			0.002
Xylenes, o,m,p	BDL	BDL	BDL			0.005
MTBE	BDL	BDL	BDL			0.005

BDL = Below Detection Limit, Method
All results expressed as PPM (mg/L)

/QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

Michael Heard
VP/ Laboratory Manager

Sutherland Environmental Read and Review Checklist

1. Is the client and the sample collector(s) accurately noted on report?	NO	YES	NO	YES
2. Do all dates match the COC on the report?	NO	YES	NO	YES
3. Is the purchase order ID (PO) and project ID accurately noted on report?	NO	YES	NO	YES
4. Are all methods and method references correct on report?	NO	YES	NO	YES
5. Do the Field ID(s) and the Lab ID(s) correspond to the COC?	NO	YES	NO	YES
6. Is the report formatted correctly?	NO	YES	NO	YES
7. Does the following information on report correspond to the printout information from the analytical instrumentation:				
Sample Matrix	NO	YES	NO	YES
Analyst	NO	YES	NO	YES
Analysis Date/Time	NO	YES	NO	YES
Analyte concentration	NO	YES	NO	YES
Units	NO	YES	NO	YES
Dilution Factors/Conversions	NO	YES	NO	YES
Detection/Reporting/Quant. Limits	NO	YES	NO	YES
QC Reviewed:		YES		YES
***Initial*:**	MJH		KH	

* MJH = Michael Heard, MSH = Matt Hageman, KH = Kelly Hester

PDF / Notes: BULLOCK

Invoice 55887

Sutherland Environmental Co., Inc.

Sutherland Environmental Company Inc.

Sample Check-in Form

Date Received: 4/24/26 **Invoice #** 55887

Method of Delivery: hand **Client:** Bullock

1. Did any containers arrive broken?	YES	✓ NO	
* If so, please state field ID with analysis of broken sample(s) _____			
2. Were cooler(s) sealed upon arrival?	✓ YES	NO	NA
3. Were the samples received at the proper temperature (4°C +/- 2°C)?	✓ YES	NO	NA
4. Did a chain of custody accompany the samples?	✓ YES	NO	
* Was it properly filled out?	✓ YES	NO	
5. Were correct containers used for the analysis requested?	✓ YES	NO	
6. Were all containers properly preserved?	✓ YES	NO	NA
7. Were all water samples received at the proper pH?	✓ YES	NO	NA
8. If VOA vials were present, was there any head space?	YES	✓ NO	NA
* If so, please state field ID of deficient sample(s): _____			
9. Were all containers properly labeled and match chain of custody?	✓ YES	NO	
10. Did containers arrive within holding time of analysis?	✓ YES	NO	
* If not, please state field ID and analysis of sample(s) out of holding time: _____			
11. Was client informed of any/all deficiencies in sample check-in?	YES	NO	✓ NA
12. Were any samples rejected?	YES	✓ NO	
* If so, please state field ID of rejected sample(s): _____			

Sample Custodian (signed): M. W.

APPENDIX D

VISL CALCULATOR OUTPUT &
JOHNSON & ETTINGER MODEL OUTPUT

Site-Specific
Commercial Air Inputs

Variable	Commercial Air Default Value	Site-Specific Value
AF_{gw} (Attenuation Factor Groundwater) unitless	0.001	0.001
AF_{ss} (Attenuation Factor Sub-Slab) unitless	0.03	0.03
AT_{com} (averaging time - composite worker)	365	365
ED_{com} (exposure duration - composite worker) yr	25	25
EF_{com} (exposure frequency - composite worker) day/yr	250	250
ET_{com} (exposure time - composite worker) hr	8	8
THQ (target hazard quotient) unitless	0.1	0.1
LT (lifetime) yr	70	70
TR (target risk) unitless	1.0E-06	1.0E-06

Site-Specific
Commercial Vapor Intrusion Screening Levels (VISL)

Key: I = IRIS; P = PPRTV; O = OPP; A = ATSDR; C = Cal EPA; X = PPRTV Screening Level; H = HEAST; D = DWSHA; W = TEF applied; E = RPF applied; U = user provided; G = see RSL User's Guide Section 5; CA = cancer; NC = noncancer.

Chemical	CAS Number	Does the chemical meet the definition for volatility? (HLC>1E-5 or VP>1)	Does the chemical have inhalation toxicity data? (IUR and/or RfC)	Is Chemical Sufficiently Volatile and Toxic to Pose Inhalation Risk Via Vapor Intrusion from Soil Source? ($C_{vp} > C_{i,a}$,Target?)	Is Chemical Sufficiently Volatile and Toxic to Pose Inhalation Risk Via Vapor Intrusion from Groundwater Source? ($C_{hc} > C_{i,a}$,Target?)	Target Indoor Air Concentration (TCR=1E-06 or THQ=0.1) MIN($C_{ia,c}$,$C_{ia,nc}$) (µg/m³)	Toxicity Basis	Target Sub-Slab and Near-source Soil Gas Concentration (TCR=1E-06 or THQ=0.1) C_{sg},Target (µg/m³)	Target Groundwater Concentration (TCR=1E-06 or THQ=0.1) C_{gw},Target (µg/L)
Dichloroethane, 1,2-	107-06-2	Yes	Yes	Yes	Yes	4.72E-01	CA	1.57E+01	9.78E+00
Dichloroethylene, 1,1-	75-35-4	Yes	Yes	Yes	Yes	1.73E+00	NC	5.78E+01	1.63E+00

Is Target Groundwater Concentration < MCL? (C_{gw} < MCL?)	Pure Phase Vapor Concentration C_{vp} (25 ℃)\ (µg/m³)	Maximum Groundwater Vapor Concentration C_{hc} (µg/m³)	Temperature for Maximum Groundwater Vapor Concentration (℃)	Lower Explosive Limit LEL (% by volume)	LEL Ref	IUR (ug/m³)$^{-1}$	IUR Ref	RfC (mg/m³)	RfC Ref	Mutagenic Indicator	Carcinogenic VISL TCR=1E-06 $C_{ia,c}$ (µg/m³)	Noncarcinogenic VISL THQ=0.1 $C_{ia,nc}$ (µg/m³)
No (5)	4.20E+08	4.15E+08	25	6.20	CRC	2.60E-05	I	7.00E-03	P	No	4.72E-01	3.07E+00
Yes (7)	3.13E+09	2.58E+09	25	6.50	CRC	-		3.96E-03	A	No	-	1.73E+00

Commercial Vapor Intrusion Risk

Chemical	CAS Number	Site Groundwater Concentration C_{gw} \ (µg/L)	Site Indoor Air Concentration $C_{i,a}$ \ (µg/m³)	VI Carcinogenic Risk CDI (µg/m³)	VI Carcinogenic Risk CR	VI Hazard CDI (mg/m³)	VI Hazard HQ	IUR (ug/m³)$^{-1}$	IUR Ref	RfC (mg/m³)	RfC Ref	Temperature (°C)\ for Groundwater Vapor Concentration	Mutagen?
Dichloroethane, 1,2-	107-06-2	39	1.88E+00	1.53E-01	3.99E-06	4.30E-04	6.14E-02	2.60E-05	I	7.00E-03	P	25	No
Dichloroethylene, 1,1-	75-35-4	64	6.83E+01	5.57E+00	-	1.56E-02	3.94E+00	-		3.96E-03	A	25	No
*Sum		-	-	-	3.99E-06	-	4.00E+00	-		-		-	

Output generated 01MAY2026:12:42:23

Commercial Vapor Intrusion Risk
Chemical Properties

Chemical	CAS Number	Does the chemical meet the definition for volatility? (HLC>1E-5 or VP>1)	Does the chemical have inhalation toxicity data? (IUR and/or RfC)	MW	MW Ref	Vapor Pressure VP (mm Hg)	VP Ref	S (mg/L)	S Ref	MCL (ug/L)
Dichloroethane, 1,2-	107-06-2	Yes	Yes	98.96	PHYSPROP	7.89E+01	PHYSPROP	8.60E+03	PHYSPROP	5
Dichloroethylene, 1,1-	75-35-4	Yes	Yes	96.94	PHYSPROP	6.00E+02	PHYSPROP	2.42E+03	PHYSPROP	7

Henry's Law Constant (atm-m^3/mole)	Henry's Law Constant (unitless)	H` and HLC Ref	Henry's Law Constant Used in Calcs (unitless)	Normal Boiling Point BP (K)	BP Ref	Critical Temperature T_C (K)	T_C Ref	Enthalpy of vaporization at the normal boiling point $\Delta H_{v,b}$ (cal/mol)	$\Delta H_{v,b}$ Ref	Lower Explosive Limit LEL (% by volume)	LEL Ref
1.18E-03	4.82E-02	PHYSPROP	4.82E-02	356.65	PHYSPROP	5.62E+02	CRC	7643.40	CRC	6.20	CRC
2.61E-02	1.07E+00	PHYSPROP	1.07E+00	304.85	PHYSPROP	4.82E+02	YAWS	6247.61	CRC	6.50	CRC

Table of Inputs and Outputs for Multiple Chemicals

Note: Parameters other than the chemical concentration must be entered in the MODEL sheet and must be the same for all chemicals. Warnings and errors are displayed in only on the MODEL sheet.

			Dichloroethane, 1,2-	Dichloroethylene, 1,1-
Source Characteristics:	**Units**	**Symbol**	**Value**	**Value**
Source medium		Source	Groundwater	Groundwater
Groundwater concentration	(ug/L)	Cmedium	39	64
Depth below grade to water table	(m)	Ls	15.00	15.00
Average groundwater temperature	(°C)	Ts	15	15
Calc: Source vapor concentration	(ug/m3)	Cs	1185	48683
Calc: % of pure component saturated vapor concentration	(%)	%Sat	0.000%	0.002%
Chemical:	**Units**	**Symbol**	**Value**	**Value**
Chemical Name		Chem	Dichloroethane, 1,2-	Dichloroethylene, 1,1-
CAS No.		CAS	107-06-2	75-35-4
Toxicity Factors				
Unit risk factor	$(ug/m^3)^{-1}$	IUR	2.60E-05	Not Available
Mutagenic compound		Mut	No	No
Reference concentration	(ug/m^3)	RfC	7.00E-03	2.00E-01
Chemical Properties:	**Units**	**Symbol**	**Value**	**Value**
Pure component water solubility	(mg/L)	S	8.60E+03	2.42E+03
Henry's Law Constant @ 25°C	$(atm\text{-}m^3/mol)$	Hc	1.18E-03	2.61E-02
Calc: Henry's Law Constant @ 25°C	(dimensionless)	Hr	4.83E-02	1.07E+00
Calc: Henry's Law Constant @ system temperature	(dimensionless)	Hs	3.04E-02	7.61E-01
Diffusivity in air	(cm2/s)	Dair	8.57E-02	8.63E-02
Diffusivity in water	(cm2/s)	Dwater	1.10E-05	1.10E-05
Building Characteristics:	**Units**	**Symbol**	**Value**	**Value**
Building setting		Bldg_Setting	Commercial	Commercial
Foundation type		Found_Type	Slab-on-grade	Slab-on-grade
Depth below grade to base of foundation	(m)	Lb	0.20	0.20
Foundation thickness	(m)	Lf	0.20	0.20
Fraction of foundation area with cracks	(-)	eta	0.001	0.001
Enclosed space floor area	(m2)	Ab	5805.00	5805.00
Enclosed space mixing height	(m)	Hb	4.00	4.00
Indoor air exchange rate	(1/hr)	ach	1.50	1.50
Qsoil/Qbuilding	(-)	Qsoil_Qb	0.0030	0.0030
Calc: Building ventilation rate	(m3/hr)	Qb	34830.00	34830.00
Calc: Average vapor flow rate into building	(m3/hr)	Qsoil	104.49	104.49

Vadose zone characteristics:	Units	Symbol	Value	Value
Stratum A (Top of soil profile):				
Stratum A SCS soil type		SCS_A	Clay	Clay
Stratum A thickness (from surface)	(m)	hSA	2.00	2.00
Stratum A total porosity	(-)	nSA	0.459	0.459
Stratum A water-filled porosity	(-)	nwSA	0.215	0.215
Stratum A bulk density	(g/cm^3)	rhoSA	1.430	1.430
Stratum B (Soil layer below Stratum A):				
Stratum B SCS soil type		SCS_B	Not Present	Not Present
Stratum B thickness	(m)	hSB	0.00	0.00
Stratum B total porosity	(-)	nSB		
Stratum B water-filled porosity	(-)	nwSB		
Stratum B bulk density	(g/cm^3)	rhoSB		
Stratum C (Soil layer below Stratum B):				
Stratum C SCS soil type		SCS_C	Not Present	Not Present
Stratum C thickness	(m)	hSC	0.00	0.00
Stratum C total porosity	(-)	nSC		
Stratum C water-filled porosity	(-)	nwSC		
Stratum C bulk density	(g/cm^3)	rhoSC		
Stratum directly above the water table				
Stratum A, B, or C		src_soil	Stratum A	Stratum A
Height of capillary fringe	(m)	hcz	0.815	0.815
Capillary zone total porosity	(-)	ncz	0.459	0.459
Capillary zone water filled porosity	(-)	nwcz	0.412	0.412
Exposure Parameters:	**Units**	**Symbol**	**Value**	**Value**
Target risk for carcinogens	(-)	Target_CR	1.00E-06	1.00E-06
Target hazard quotient for non-carcinogens	(-)	Target_HQ	1	1
Exposure Scenario		Scenario	Commercial	Commercial
Averaging time for carcinogens	(yrs)	ATc	70	70
Averaging time for non-carcinogens	(yrs)	ATnc	25	25
Exposure duration	(yrs)	ED	25	25
Exposure frequency	(days/yr)	EF	250	250
Exposure time	(hrs/24 hrs)	ET	8	8
Mutagenic mode-of-action factor	(yrs)	MMOAF	72	72

Source to Indoor Air Attenuation Factor	Units	Symbol	Value	Value
Groundwater to indoor air attenuation coefficient	**(-)**	**alpha**	**9.2E-07**	**1.7E-07**
		Range	9.1E-07 - 9.2E-07	1.7E-07 - 1.7E-07
Predicted Indoor Air Concentration			**Value**	**Value**
Indoor air concentration due to vapor intrusion	**(ug/m3)**	**Cia**	**1.1E-03**	**8.4E-03**
		Range	1.1E-03 - 1.1E-03	8.4E-03 - 8.4E-03
	(ppbv)	**Cia**	**2.7E-04**	**2.1E-03**
		Range	2.7E-04 - 2.7E-04	2.1E-03 - 2.1E-03
Predicted Vapor Concentration Beneath the Foundation			**Value**	**Value**
Subslab vapor concentration	**(ug/m3)**	**Css**	**3.6E-01**	**2.8E+00**
		Range	2.2E-02 - 1.1E+01	1.7E-01 - 8.4E+01
	(ppbv)	**Css**	**9.0E-02**	**7.1E-01**
		Range	5.4E-03 - 2.7E+00	4.2E-02 - 2.1E+01
Diffusive Transport Upward Through Vadose Zone			**Value**	**Value**
Effective diffusion coefficient through Stratum A	(cm2/sec)	DeffA	3.7E-03	3.7E-03
Effective diffusion coefficient through Stratum B	(cm2/sec)	DeffB		
Effective diffusion coefficient through Stratum C	(cm2/sec)	DeffC		
Effective diffusion coefficient through capillary zone	(cm2/sec)	DeffCZ	1.1E-04	1.9E-05
Effective diffusion coefficient through unsaturated zone	(cm2/sec)	DeffT	2.2E-04	4.2E-05
Critical Parameters			**Value**	**Value**
α for diffusive transport from source to building with	(-)	A_Param	9.2E-07	1.7E-07
Pe (Peclet Number) for transport through the foundation	(-)	B_Param	2.7E+03	2.6E+03

α for convective transport from subslab to building	(-)	C_Param	3.0E-03	3.0E-03
Interpretation				
			Advection is the dominant mechanism across the foundation. Diffusion through soil is the overall rate limiting process.	Advection is the dominant mechanism across the foundation. Diffusion through soil is the overall rate limiting process.
Critical Parameters				
			Hb, Ls, DeffT, ach	Hb, Ls, DeffT, ach
Non-Critical Parameters				
			Qsoil_Qb, Lf, DeffA, eta	Qsoil_Qb, Lf, DeffA, eta

Risk Calculations	**Units**	**Symbol**	**Value**	**Value**
Risk-Based Target Screening Levels				
Target risk for carcinogens	(-)	Target_CR	1E-06	1E-06
Target hazard quotient for noncarcinogens	(-)	Target_HQ	1	1
Target indoor air concentration	**(ug/m3)**	**Target_IA**	**4.72E-01**	**8.76E+02**
	(ppbv)	**Target_IA**	**1.17E-01**	**2.21E+02**
Target groundwater concentration	**(ug/L)**	**Target_GW**	**1.69E+04**	**6.66E+06**
Incremental Risk Estimates				
Incremental cancer risk from vapor intrusion	**(-)**	**Cancer_Risk**	**2.31E-09**	**No IUR**
		Range	2.3E-09 - 2.3E-09	-
Hazard quotient from vapor intrusion	**(-)**	**HQ**	**3.55347E-05**	**9.6138E-06**
		Range	3.5E-05 - 3.6E-05	9.6E-06 - 9.6E-06

ENVIRONMENTAL COVENANT

Gautney Properties, LLC (hereinafter "**Grantor**") grants an Environmental Covenant (hereinafter "**Covenant**") this ___ day of _____ , 2026, to the following entities pursuant to The Alabama Uniform Environmental Covenants Act, Ala. Code §§ 35-19-1 to 35-19-14 (hereinafter "**Act**") and the regulations promulgated thereunder: the Alabama Department of Environmental Management (hereinafter "**ADEM**").

WHEREAS, the Grantor is the owner of certain real property located in the City of Lineville, Alabama, identified as a commercial property situated at 103 Atlanta Avenue, Sheffield, Colbert County, Alabama , (hereinafter the "**Property**"). The Property was conveyed to the Grantor by deed dated _____, and recorded in the Office of the Judge of Probate for Colbert County, Alabama (Deed book: ___), by Instrument Number ____.

WHEREAS, the Property is more particularly described as set forth on Exhibit "A" which is attached hereto and incorporated herein by reference:

WHEREAS, this instrument is an environmental covenant developed and executed pursuant to the Act and the regulations promulgated thereunder;

WHEREAS, during the course of previous environmental assessments performed on the Property, certain contaminants were detected at the Property in the groundwater (the "**Contaminants of Concern**"), which included the following:

- Lead;
- Chloroform;
- 1,1-Dichloroethane (1,1-DCA)
- 1,2-DCA;
- 1,1-Dichloroethylene (1,1-DCE);
- 1,1,1-Trichloroethane (1,1,1-TCA);
- Trichloroethylene (TCE);
- Xylene; and
- Phenol.

WHEREAS, the previous environmental assessments revealed that, at some unknown time in the past, prior to Grantor's acquisition, a release of the Contaminants of Concern occurred in isolated locations on the Property;

WHEREAS, Exhibit "B" depicts the sample locations from which samples were taken in the previous environmental assessments;

WHEREAS, pursuant to the Brownfields Redevelopment and Voluntary Cleanup Program ("**VCP**"), Grantor and Property were accepted into the VCP (Site No. 461-033-26018) on April 28, 2026, and Grantor prepared and submitted to ADEM a Voluntary

Property Assessment Report dated May 4, 2026, which became approved by ADEM on **June__, 2026.**

WHEREAS, pursuant to the Voluntary Property Assessment Report, ADEM requires the implementation of those institutional controls identified in Paragraph 2 of this Covenant to address the effects, if any, of the Contaminants of Concern that may remain in place in certain portions of the Property;

WHEREAS, an environmental covenant was selected as the proposed remedy in the approved Voluntary Property Assessment Report based on the residual concentrations of Contaminants of Concern remaining in onsite **groundwater** in select areas of the Property;

WHEREAS, the purpose of this Covenant is (a) to comply with the Act; and (b) to ensure protection of human health and the environment by placing restrictions on the Property to reduce the risk to human health to below the target risk levels for those Contaminants of Concern that remain on the Property;

WHEREAS, with ADEM's concurrence, some concentrations of Contaminants of Concern may remain in place beneath the Property;

WHEREAS, notwithstanding the fact that only certain areas beneath the Property will retain certain concentrations of the Contaminants of Concern, the Grantor has elected to place this Covenant and its certain restrictions on the entire Property;

WHEREAS, further information concerning the release/disposal and the activities taken to correct the effects of the release/disposal may be obtained by contacting Chief, Land Division, ADEM, or his or her designated representative, at 1400 Coliseum Boulevard, Montgomery, Alabama, 36110; and

WHEREAS, the Administrative Record concerning the Property is located at **Gautney Properties, LLC at P.O. Box 4017, Muscle Shoals, Alabama 35662 and the** Alabama Department of Environmental Management, 1400 Coliseum Boulevard, Montgomery, Alabama 36110.

NOW, THEREFORE, Grantor hereby grants this Covenant to ADEM and declares that the Property shall hereinafter be bound by, held, sold, used, improved, occupied, leased, hypothecated, encumbered, and/or conveyed subject to the following requirements set forth in paragraphs 1 through 3 below:

1. **DEFINITIONS**

Owner. "Owner" means the GRANTOR, its successors and assigns in interest.

2. **USE RESTRICTIONS**

Unless otherwise agreed to in writing from ADEM through modification of this Covenant, the following use restrictions shall apply:

(i) Use of groundwater for potable or irrigation purposes shall not take place on the Property without written approval from ADEM; and

(ii) Use of the Property shall be limited to commercial/industrial activities (i.e., residential housing, schools, daycares, hospitals, etc. shall be prohibited); and

(iii) The Waste Containment Unit (WCU), representing the remedy approved by ADEM in 1997, will be maintained to ensure continued protection of future occupants.

3. **GENERAL PROVISIONS**

A. **Restrictions to Run with the Land.** This Covenant (a) runs with the land pursuant to Ala. Code § 35-19-5, as amended; is perpetual, unless modified or terminated pursuant to the terms of this Covenant pursuant to Ala. Code § 35- 19-9, as amended; (b) encumbers the entire Property unless expressly stated as applicable only to a specific portion thereof; inures to the benefit of and passes with each and every portion of the Property; and (c) binds the Owner, all persons using the land, all persons, their heirs, successors and assigns having any right, title or interest in the Property, or any part thereof who have subordinated those interests to this Covenant, and all persons, their heirs, successors and assigns who obtain any right, title or interest in the Property, or any part thereof after the recordation of this Covenant.

B. **Notices Required.** In accordance with Ala. Code § 35-19-4(b), as amended, the Owner shall send written notification, pursuant to Section J, below, following transfer of a specified interest in, or concerning proposed changes in use of, applications for building permits for, or proposals for any site work affecting the contamination on, the Property. Said notification shall be sent within fifteen (15) days of each event listed in this Section.

C. **Registry/Recordation of Environmental Covenant; Amendment; or Termination.** Pursuant to Ala. Code §35-19-12(b), as amended, this Covenant and any amendment or termination thereof, shall be contained in ADEM's registry for environmental covenants. After an environmental covenant, amendment, or termination is filed in the registry, a notice of the covenant, amendment, or termination may be recorded in the land records in lieu of recording the entire covenant in compliance with § 35-19-12(b). Grantor shall be responsible for filing the Covenant within thirty (30) days of the final required signature upon this Covenant.

D. **Right of Access.** The Owner hereby grants ADEM; ADEM's agents, contractors and employees; the Owner's agents, contractors and employees; and any Holders the right of access to the Property for implementation or enforcement of this Covenant.

E. **ADEM Reservations.** Notwithstanding any other provision of this Covenant, ADEM retains all of its access authorities and rights, as well as all of its rights to require additional land/water use restrictions, including enforcement authorities related thereto.

F. **Representations and Warranties.** Grantor hereby represents and warrants to the other signatories hereto:

i) That the Grantor has the power and authority to enter into this Covenant, to grant the rights and interests herein provided and to carry out all obligations hereunder;

ii) That the Grantor is the sole owner of the Property and holds fee simple title which is free, clear and unencumbered;

iii) That the Grantor has identified all other parties that hold any interest (e.g., encumbrance) in the Property and notified such parties of the Grantor's intention to enter into this Covenant;

iv) That this Covenant will not materially violate, contravene, or constitute a material default under, any other agreement, document, or instrument to which Grantor is a party, by which Grantor may be bound or affected;

v) That this Covenant will not materially violate or contravene any zoning law or other law regulating use of the Property;

vi) That this Covenant does not authorize a use of the Property which is otherwise prohibited by a recorded instrument that has priority over the Covenant.

G. **Compliance Enforcement.** In accordance with Ala. Code § 35-19-11(b), as amended, the terms of the Covenant may be enforced (a) by the parties to this Covenant; (b) by any person to whom this Covenant expressly grants power to enforce; (c) by any person whose interest in the real property or whose collateral or liability may be affected by the alleged violation of the Covenant; or (d) by a municipality or other unit of local government in which the real property subject to the Covenant is located, in accordance with applicable law. The parties hereto expressly agree that ADEM has the power to enforce this Covenant. Failure to timely enforce compliance with this

Covenant or the use or activity limitations contained herein by any person shall not bar subsequent enforcement by such person and shall not be deemed a waiver of the person's right to take action to enforce any non-compliance. Nothing in this Covenant shall restrict ADEM, or the Grantor, from exercising any authority under applicable law.

H. **Modifications/Termination.** Any modifications or terminations to this Covenant must be made in accordance with Ala. Code §§ 35-19-9 and 35-19-10, as amended.

I. **Notices.** Any document or communication required to be sent pursuant to the terms of this Covenant shall be sent to the following persons:

ADEM

Chief, Land Division
Alabama Department of Environmental Management
1400 Coliseum Boulevard
Montgomery, AL 36110

Grantor

Gautney Properties, LLC
P.O. Box 4017
Muscle Shoals, Alabama 35662

J. **No Property Interest Created in ADEM.** This Covenant does not in any way create any interest by ADEM in the Property that is subject to the Covenant. Furthermore, the act of approving this Covenant does not in any way create any interest by ADEM in the Property in accordance with Ala. Code § 35-19-3(b), as amended.

K. **Severability.** If any provision of this Covenant is found to be unenforceable in any respect, the validity, legality, and enforceability of the remaining provisions shall not in any way be affected or impaired.

L. **Governing Law.** This Covenant shall be governed by and interpreted in accordance with the laws of the State of Alabama.

M. **Recordation.** In accordance with Ala. Code § 35-19-8(a), as amended, Grantor shall record this Covenant or a Notice of Environmental Covenant ("Notice of Covenant") and any amendment or termination of the Covenant in every county in which any portion of the real property subject to this Covenant is located. Grantor agrees to record this Covenant within fifteen (15) days after the date of the final required signature upon this Covenant.

N. **Effective Date.** The effective date of this Covenant shall be the date upon

which the fully executed Covenant has been recorded, in accordance with Ala. Code § 35-19-8(a), as amended.

O. **Distribution of Covenant.** Within fifteen (15) days of filing this Covenant or Notice of Covenant, the Grantor shall distribute a recorded and date stamped copy of the recorded Covenant or Notice of Covenant in accordance with Ala. Code § 35-19-7(a), as amended. However, the validity of this Covenant will not be affected by the failure to provide a copy of the Covenant or Notice of Covenant as provided herein.

P. **ADEM References.** All references to ADEM shall include successor agencies, departments, divisions, or other successor entities.

Q. **Grantor References.** All references to the Grantor shall include successor agencies, departments, divisions, or other successor entities.

[REMAINDER OF THE PAGE LEFT INTENTIONALLY BLANK]

Property owner has caused this Environmental Covenant to be executed pursuant to The Alabama Uniform Environmental Covenants Act, on this ___ day of _____ , 2026.

IN TESTIMONY WHEREOF, the parties have hereunto set their hands this the day and year first above written.

This Environmental Covenant is hereby approved by Gautney Properties, LLC this ___ day of _____, 2026.

Gautney Properties, LLC

By: _____
James C. Gautney
Authorized Representative

Grantor

STATE OF ALABAMA)
)
COUNTY OF Colbert)

I, _____, a _____ in and for said County in said State or Commonwealth, hereby certify that James C. Gautney whose named as Authorized Representative of Gautney Properties, LLC, is signed to the foregoing conveyance and who is known to me, acknowledged before me on this day that, being informed of the contents of the conveyance, (s)he, as such officer and with full authority executed the same voluntarily for and as the act of said entity.

Given under my hand this the ____ day of_____, 2026.

Notary Public: _____

My Commission Expires: _____

ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

This Environmental Covenant is hereby approved by the State of Alabama this ___ day of _____ , 2026.

By: _____

Stephen A. Cobb
Chief, Land Division
Alabama Department of Environmental Management

State of Alabama}

Montgomery, County}

I, the undersigned Notary Public in and for said County and State, hereby certify that Stephen A. Cobb, whose name as Chief, Land Division, Alabama Department of Environmental Management is signed to the foregoing conveyance, and who is known to me, acknowledged before me on this day that, being informed of the contents of the conveyance, he approved the same voluntarily on the day the same bears date and with full authority to do so.

Given under my hand and official seal this ____ day of_____ , 2025.

_____
Notary Public

My Commission Expires: _____

STATE OF ALABAMA

COUNTY OF COLBERT

I, _____, Clerk of the Colbert County Court, do certify that the foregoing Environmental Covenant was lodged in my office for record, and that I have recorded it, this ___ day of _____, 2025, by Instrument Number _____.

_____

County Clerk

This instrument prepared by:

Gautney Properties, LLC
P.O. Box 4017
Muscle Shoals, Alabama 35662

Exhibit "A"

Legal Description

LOTS 1 THRU 10 BLK 328 SHEFFIELD 504.5 X 149.5 IRR /DB 2020 PG 24553-
24555

Exhibit “B”

Sample

Locations

