HIGHLAND HOME COUNTRY STORE
MODIFIED CAP REPORT
ATTF CP-43

Highland Home Country Store
19000 Montgomery Highway
Highland Home, Crenshaw Co., AL
Fac ID 14681-041-010537
UST 08-12-08

PREPARED FOR
Sterling Oil Company, Inc.
P.O. Box 278
Greenville, AL 36037

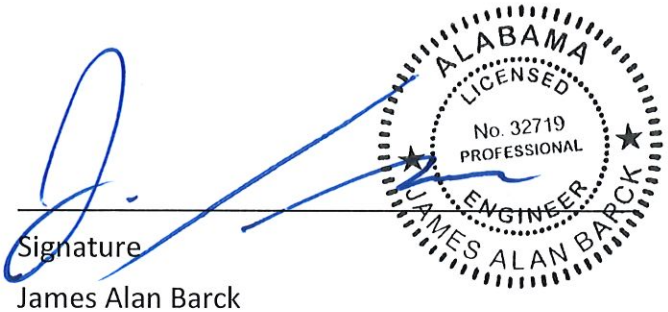
DATE
July 1, 2021

PREPARED BY
CDG Engineers & Associates, Inc.
1840 E. Three Notch St.
Andalusia, AL 36420

CERTIFICATION PAGE

"I hereby certify that, in my professional judgment, the components of this document and associated work satisfy the applicable requirements set forth in Chapter 335-6 of the ADEM Administrative Code, and are consistent with generally accepted professional consulting principles and practices. The information submitted herein, 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."

This document has been prepared based on historical site assessment data and has been prepared to address soil and groundwater contamination at the Highland Home Country Store site (Facility Identification Number 14681-041-010537) in Highland Home, Crenshaw County, Alabama. The recommended action should not be construed to apply to any other site.



Signature

7-6-21

Date

James Alan Barck
Registered Professional Engineer in the State of Alabama
Registration No. 32719

INTRODUCTION

The Highland Home Country Store was a convenience store that sold gasoline and diesel fuel within the city of Highland Home, Alabama until 2007. The Highland Home Country Store site was constructed in 1986 and served as a gasoline station until August 2006. The site is currently being leased and operated as a commercial business known as Highland Home Hardware. There were five (5) underground storage tanks (USTs) located south of the building, which contained gasoline and diesel fuel. Sterling Oil Company is the Alabama Tank Trust Fund (ATTF) responsible party for the site.

In December 2007, the USTs, pumps, and product lines were closed by removal. Results of the closure indicated that a reportable release of petroleum products had likely occurred. As a result of the Release Report, ADEM sent the responsible party, Sterling Oil Company, a Notification of Requirement to conduct Investigative and Corrective Actions. In a second letter, ADEM issued a Notice of Alabama Tank Trust Fund Eligibility. In a third letter, ADEM issued the pre-approval for conducting Preliminary Investigation activities.

To date, a Preliminary Investigation, Secondary Investigations, and multiple Well Installations have been conducted at the site. Currently, a total of twenty-one Type II monitoring wells, two Type III vertical delineation wells, and three 4" recovery wells are present at the site. An Alabama Risk Based Corrective Action (ARBCA) Tier I/Tier II Evaluation was conducted in June 2009 with revisions submitted in November 2009 and December 2010. A Corrective Action Plan (CAP) for Remediation by Natural Attenuation (RNA) was approved by ADEM in November 2011. Two High Resolution Soil Profile Studies (HRSPS) were conducted in March 2013 and February 2017. A Modified CAP was submitted to ADEM in September 2017 but has not been approved.

The corrective action efforts at the site currently consist of Mobile Enhanced Multi-Phase Extraction (MEME) technology in conjunction with natural attenuation monitoring. In a letter dated June3 2021, ADEM requested that a Modified CAP be prepared. The approved scope of work under Cost Proposal CP-43 was to modify the site-specific CAP for the remediation of groundwater and soil, incorporating the results of the previous investigation efforts. This report summarizes the results of these activities.

REMEDIAL OBJECTIVES AND EXPOSURE ASSESSMENT

General Remedial Objectives

The general objectives of the corrective action plan and the remedial efforts for the facility are as follows:

- Ensure that the health and safety of all project personnel is maintained during remediation activities.
- Prevent hydrocarbon contaminant migration to sensitive receptors.
- Reduce adsorbed phase petroleum hydrocarbons from soils within the vadose and saturated zone, to below approved Site-Specific Target Levels (SSTLs).
- Reduce dissolved petroleum hydrocarbons from groundwater to below approved SSTLs.
- Accomplish these objectives within the proposed period of operation.

Exposure Assessment

An exposure assessment was conducted by CDG Engineers & Associates, Inc. (CDG) during the ARBCA Evaluation completed in December 2010. The following receptor survey information has been drawn from the ARBCA Tier II Evaluation report:

Receptor Type	Actual Receptor	On-Site/ Off-Site	Pathway Status
Commercial Sites	Commercial Worker (10 hours/day)	On-Site	Complete. Soil & Groundwater Vapor Inhalation. Future – Soil & Groundwater Vapor Inhalation.
		Off-Site	Complete. Soil & Groundwater Vapor Inhalation. Future – Soil & Groundwater Vapor Inhalation.
	Construction Worker	On-Site	Complete. Dermal Contact, Soil & Groundwater Vapor Inhalation. Future – Dermal Contact, Soil & Groundwater Vapor Inhalation.
		Off-Site	Complete. Dermal Contact, Soil & Groundwater Vapor Inhalation. Future – Dermal Contact, Soil & Groundwater Vapor Inhalation.
Residences	Resident (24 hours/day)	On-Site	Not Complete. The site is a commercial property in a commercial area and will likely remain so.

Receptor Type	Actual Receptor	On-Site/ Off-Site	Pathway Status
		Off-Site	Complete. Soil & Groundwater Vapor Inhalation. Future – Soil & Groundwater Vapor Inhalation.
Utilities	Water	On-Site	Not Complete. Water is supplied by municipal sources.

The current land use site conceptual exposure model indicates that complete exposure pathways for vapor inhalation exist for on-site/off-site commercial and construction workers.

Results of the water well inventory indicate that there are no public water supply wells located within one mile of the site.

Site-Specific Target Levels

To assess the risk to human health and the environment from the dissolved hydrocarbon plume associated with the Highland Home Country Store site, an ARBCA Tier I/Tier II Evaluation was performed in December 2010. Based on the ARBCA Tier II Evaluation, SSTLs for site remediation were calculated for the various media (soil and groundwater) at the site. The SSTLs developed during this process, which have been approved by ADEM, would not pose a significant risk to any recognized actual or potential receptors. The SSTLs for soil and groundwater are summarized in the following table.

Chemicals of Concern	Soil (mg/Kg)				Groundwater (mg/L)	
	Dermal Contact	On-Site Indoor Inhalation	Off-Site Indoor Inhalation	Groundwater Resource Protection	On-Site Indoor Inhalation	Off-Site Indoor Inhalation
Benzene	503	3.13	0.478	0.0236	6.61	1.01
Toluene	849	551	51.3	4.72	526	58.2
Ethylbenzene	382	382	185	3.3	169	153
Xylenes	473	473	73.9	47.2	175	49.1
MTBE	378	5,160	759	0.0944	31,600	2,940
Naphthalene	375	375	61	0.0944	31	5.81

A more detailed presentation of these values is provided in the December 2010 ARBCA Evaluation Report. The individual Groundwater Resource Protection (GRP) SSTLs generated for the site monitoring wells are presented on the attached Monitoring Point Data Summary Tables located in Appendix A.

RECENT MONITORING ACTIVITIES, RESULTS, AND COMPARISONS TO SSTLs

Personnel from ADEM requested the modification of the current CAP that would more aggressively address both soil and groundwater contamination at the site. As part of the CAP Modification, current representative concentrations for the chemicals of concern (COCs) were needed for the evaluation and design of a plan to effectively treat and reduce contaminants. The site has had multiple approved groundwater monitoring events conducted. The following details the activities and results of the most recent groundwater monitoring event conducted on May 7, 2021.

Maps for the most recent groundwater monitoring event, in addition to general site maps, are located in Appendix B. The Site Health and Safety Plan is located in Appendix D. The Quality Assurance/Quality Control Monitoring and Sampling Plan is located in Appendix E.

Groundwater Monitoring Activities

Personnel from CDG mobilized the site on May 7, 2021, to collect groundwater samples for the Chemicals of Concern (COC), which include Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX), Methyl-tertiary-butyl-ether (MTBE), and Naphthalene analysis. Upon arriving at the site, the technicians removed the well caps from each of the twenty-six monitoring wells and the water levels in the wells were allowed to stabilize. Potentiometric levels were then measured with an electronic water level indicator and recorded in the site field book. Based on the current sampling event, the interpreted groundwater flow direction beneath the site is to the northwest. After all measurements were completed, each of the twenty-six monitoring wells were properly purged in preparation for groundwater sampling. Approximately 93 gallons of purge water were removed from the wells and treated using a portable carbon unit prior to being discharged on-site. A sample of the treated water was collected for BTEX/MTBE/Naphthalene analysis to verify that the carbon did not have breakthrough.

Groundwater samples were collected each of the twenty-six monitoring wells for BTEX/MTBE/Naphthalene analyses using new, disposable bailers and transferred to 40 mL glass VOA vials preserved with HCl. A sample was also collected for BTEX/MTBE/Naphthalene analysis from the downgradient pond. The samples were placed on ice and transported under chain of custody to Waypoint Analytical laboratory where they were analyzed by EPA Method 8260B for the presence of BTEX/MTBE/Naphthalene constituents.

Laboratory Analytical Results

The BTEX/MTBE/Naphthalene analyses for this event indicate that COC concentrations were present at the site at levels above the Groundwater Resource Protection (GRP) Site Specific Target Levels (SSTLs) in four (MW-2, MW-8, VW-1, and RW-3) of the twenty-six sampled monitoring wells. Additionally, three of the monitoring wells (MW-8, VW-1, and RW-3) contained concentrations above the Indoor Air Inhalation SSTLs. No detectable COC concentrations were reported for the surface water sample collected from the downgradient pond. The concentrations above the SSTLs are as follows:

	Chemical of Concern	GRP SSTLs	Indoor Inhalation SSTLs	Concentration
MW-2	Benzene	**0.0236 mg/L**	1.01 mg/L	**0.082 mg/L**
MW-8	Benzene	**0.0234 mg/L**	**1.01 mg/L**	**1.10 mg/L**
	Naphthalene	**0.0936 mg/L**	5.81 mg/L	**0.176 mg/L**
VW-1	MTBE	**0.0907 mg/L**	2,940 mg/L	**0.296 mg/L**
	Benzene	**0.0227 mg/L**	**1.01 mg/L**	**1.75 mg/L**
	Toluene	**4.54 mg/L**	58.2 mg/L	**6.33 mg/L**
	Naphthalene	**0.0907 mg/L**	5.81 mg/L	**1.20 mg/L**
RW-3	Benzene	-	**1.01 mg/L**	**2.12 mg/L**

The ADEM UST Release Fact Sheet and UST Site Classification System Checklist are included in Appendix F. A list of personnel performing tasks at the site is included in Appendix G.

MODIFIED REMEDIATION RATIONAL AND APPROACH

Based upon current constituent concentrations and the risk assessment results, there are exceedances in the GRP and Indoor Inhalation for groundwater COC constituents.

In order to accelerate the reduction of dissolved hydrocarbon concentrations, CDG recommends that Remediation by Natural Attenuation (RNA) and MEME activities be enhanced with mobile Air Sparging (AS) technology. Because the COC concentrations observed do not warrant the operation of a dedicated remediation system at this time, RNA in conjunction with monthly MEME/AS would be an effective means of achieving the site-specific cleanup goals.

Natural attenuation is a passive remediation process by which dilution, volatilization, biodegradation, adsorption, and chemical reactivity are allowed to reduce contaminant concentrations to acceptable levels. As a general rule, decreasing trends indicate these natural attenuation processes are occurring and will likely continue to reduce the contaminant concentrations to below acceptable levels, when used in conjunction with MEME/AS events. If COC concentration increases used on future monitoring results, the Modified CAP approach should be reevaluated.

MODIFIED REMEDIATION RECOMMENDATION PLAN

The proposed corrective action at the site involves the application of monthly low vacuum MEME events with air injection in conjunction with natural attenuation monitoring. CDG recommends the installation of three AS wells within the source area to be utilized during the mobile air sparge events. The air sparging events will be conducted in conjunction with the MEME events. Compressed air will be injected into the proposed AS wells simultaneously with the extraction of soil vapor being accomplished through the MEME events. CDG recommends using existing wells for the extraction. The air sparge events, along with the MEME events, would be anticipated to reduce the residual COC concentrations within the areas with remaining contamination to levels below the approved SSTLs.

The proposed air sparge injection wells will be installed using hollow-stem augers to a depth of 40 feet below land surface (ft-bls). The proposed AS wells will be completed

with one-inch diameter schedule 40 PVC and will be screened with a 2-foot section of porous media sparge point placed at a depth of 38 feet to 40 feet. Graded filter sand (0.45-0.55 mm) will be emplaced around the screen, and a bentonite pellet seal will be placed on top of the sand pack. The remainder of the annulus will be sealed with a cement grout mixture. Locking watertight caps will be placed in the top of each well and 6-inch steel manways with bolt down covers will be installed over the casings in a flush mounted concrete pad.

Soil cuttings and construction debris will be placed in a roll-off container and disposed of at a permitted landfill. CDG will obtain a Solid Waste Disposal Permit prior to drilling activities being conducted at the site. Additionally, CDG will survey the location of each well referenced to site structures and measure the elevation of the wells referenced to a USGS Topographic Map of the location.

MEME Events

CDG recommends that monthly 24-hour duration MEME events be conducted at the site in order to reduce dissolved hydrocarbon concentrations in the source area. Each 24-hour MEME event will be conducted using a mobile system. The primary objective will be vapor recovery and Petroleum Contact Water (PCW) removal, utilizing total fluids extraction from the wells.

Air Sparge Events

CDG recommends that monthly 24-hour duration AS events be conducted at the site in order to reduce dissolved hydrocarbon concentrations in the source area by stripping the contaminants by volatilization. Each air sparge event will be conducted simultaneously with MEME events. The primary objective will be to volatilize the contaminants through agitation of the groundwater within the source area. Additionally, the COC recovery rate will be increased by introducing oxygenated air to enhance bio degradation of the residual COC concentrations. It will be necessary to obtain an underground injection control (UIC) permit prior to conducting AS events. CDG has prepared a UIC permit application and submitted it to the ADEM Permits Section for review and approval. A copy of the permit application is included in Appendix C.

Natural Attenuation

Groundwater samples will be collected quarterly from all site monitoring and recovery wells. The groundwater samples will be collected from the wells using new, clean plastic bailers and transferred to 40 mL glass VOA vials preserved with HCl for BTEX/MTBE/Naphthalene analysis using EPA Method 8260B. During each groundwater sampling event, all wells will also be monitored for natural attenuation parameters (DO, pH, and ORP).

Once the COC concentrations are reduced to below the SSTLs, corrective action activities will be discontinued, and re-bound monitoring will be initiated. Should the COC concentrations remain above the SSTLs after a two-year period, CDG will re-evaluate the corrective action plan. CDG will recommend the site for No Further Action (NFA) status once remediation goals are met.

PROPOSED SAMPLING AND MONITORING ACTIVITIES

Following the approval of the Modified CAP and UIC Permit, monthly 24-hour duration MEME/AS events will be conducted at the site in order to reduce dissolved hydrocarbon concentrations in the source area. During the events, atmospheric air will be injected into each of the proposed sparge wells, while groundwater and soil vapor is extracted from designated recovery wells. The MEME events will be conducted using a mobile liquid ring MPE system operated by Brown Remediation, Inc. or equivalent. The MEME system has been approved by ADEM for use at numerous locations in Alabama for free product recovery, emergency response, and pilot testing activities. The unit operates with continuously monitored off-gas treatment (thermal destruction). The AS events will be conducted by CDG simultaneously with the MEME events.

Prior to the event, static water levels in all site wells will be recorded. Applied vacuum in the extraction well and casing vacuums in the observation wells will be recorded periodically during testing (except when the unit is not attended). Water level and vacuum measurements, to determine the radius of influence, will be obtained periodically from observation wells. Measurements of flow and hydrocarbon concentrations will also be obtained periodically during the test. Field measurements will

be obtained using a calibrated Flame Ionization Detector (FID) instrument. Hydrocarbon removal rates will be calculated and plotted.

Air will be injected into the AS wells simultaneously. The AS wells will be equipped with wellhead pressure gauges, flowmeters, and control valves. The air supply system will consist of an air filter, air compressor, and pressure vessel. The air compressor should be capable of providing at least 20 cubic feet per minute (cfm) at pressures up to 10 to 15 pounds per square inch (gauge) (psig) above the calculated hydrostatic pressure.

Once per quarter, groundwater samples will be collected from all monitoring and recovery wells. The groundwater samples will be collected from the monitoring and recovery wells using new, clean plastic bailers and transferred to 40 mL glass VOA vials preserved with HCl for BTEX/MTBE/Naphthalene analysis in accordance with EPA Method 8260B. During each groundwater sampling event, all monitoring wells will also be sampled for natural attenuation parameters (DO, pH, ORP). The natural attenuation parameters will provide information concerning the recovery of the shallow aquifer down gradient of the release area.

PROPOSED REPORTING REQUIREMENTS

CDG will submit reports in accordance with ADEM requirements. These reports will include the following:

Reporting of CAP Implementation

This report will detail installation of the three air sparge injection wells. Newly installed AS wells and subsequent disposal information will be included.

Reporting of Natural Attenuation with MEME/AS Events Effectiveness

CDG proposes to submit quarterly RNA/MEME/AS reports containing Natural Attenuation Monitoring Report (NAMR) forms, which will summarize field activities and the progress of site groundwater constituent concentrations towards achieving approved corrective action levels. The following data will be included in each report: field activities performed, groundwater elevations, groundwater analytical results as compared to target levels, potentiometric surface maps, COC contour maps, and MEME/AS data results. The

reports will also include remediation effectiveness and recommendations concerning additional measures deemed necessary.

Request for Closure Evaluation of Corrective Action

This report will include data that demonstrates that remediation goals have been achieved and will request a status of NFA for the site. Methods of abandonment of monitoring and recovery wells will be described.

Well Abandonment

This report will describe in detail the closure of the site and removal of all monitoring wells.

SCHEDULE OF IMPLEMENTATION

It is anticipated that the proposed modified corrective action plan will begin with the first groundwater monitoring and MEME/AS event following the approval of the modified CAP and the approval of the UIC permit. The following schedule indicates the timetable for major project events to be completed as part of this corrective action plan modification:

Months Following Modified CAP Approval	Project Event	Project Event Length
1	Well Installation	1 Week
0-24	Quarterly GWM with monthly MEME/AS events, evaluation of performance, and recommendations for further corrective action if required	2 Years
25	Well abandonment; completion and submittal of final report if allowable by ADEM	2 Months

The results of the proposed activities will be submitted to ADEM in the form of an RNA/MEME/AS Report. The report will include conclusions regarding the effectiveness of the recovery activities performed and recommendations for future site activities.

Cost proposals for air sparge well installation (CP-45) and quarterly RNA with monthly MEME/AS events (CP-46, CP-47, CP-48, and CP-49) will be submitted to ADEM under separate cover.

Engineering. Environmental. Answers.

APPENDICES

Appendices

Engineering. Environmental. Answers.

TABLES

APPENDIX A

Monitoring Point Data Summary Table

SITE NAME:	Highland Home Country Store			UST NUMBER:	08-12-08	WELL ID:	**MW-1**		
INSTALLATION DATE:	02/11/08	WELL DEPTH (FT BTOC):	15.5	SCREEN LENGTH (FT):	10	CASING ELEV (FT ABOVE MSL):	586.05	WELL TYPE: DIAMETER (IN):	II 2

Notes: BTOC (Below Top of Casing); MSL (Mean Sea Level); BDL (Below Detection Limit)

POTENTIOMETRIC ELEVATION SUMMARY

MEASUREMENT DATE	DEPTH TO WATER (FT BTOC)	ELEVATION (FT ABOVE MSL)	FREE PRODUCT THICKNESS (FT)	PCW GALLONS REMOVED
07/13/09	6.95	579.10	-	-
11/03/09	6.91	579.14	-	-
01/12/10	5.70	580.35	-	-
07/22/10	7.87	578.18	-	-
11/01/10	9.10	576.95	0.10	-
06/14/11	7.74	578.31	0.04	-
10/14/11	8.19	577.86	0.03	-
02/16/12	6.81	579.24	0.02	-
10/17/12	7.55	578.50	0.02	-
02/12/13	5.70	580.35	-	-
06/18/13	7.15	578.90	-	-
10/15/13	7.70	578.35	-	-
02/20/14	5.40	580.65	-	-
10/20/14	8.51	577.54	-	-
02/16/15	7.11	578.94	0.01	-
06/24/15	6.33	579.72	-	-
10/15/15	8.38	577.67	-	3.0
02/24/16	5.80	580.25	-	1.0
06/20/16	7.20	578.85	0.01	2.0
10/21/16	8.56	577.49	-	2.0
02/15/17	6.10	579.95	-	3.0
06/01/17	6.25	579.80	-	2.0
10/09/18	7.21	578.84	-	3.0
02/14/19	6.32	579.73	-	3.0
06/07/19	6.76	579.29	-	3.0
09/26/19	8.16	577.89	-	3.0
01/24/20	4.24	581.81	-	4.0
05/21/20	6.96	579.09	-	3.0
09/03/20	7.34	578.71	-	2.0
01/08/21	6.28	579.77	-	4.0
05/07/21	5.44	580.61	-	4.0

INTRINSIC GROUNDWATER DATA SUMMARY

SAMPLE DATE	DISSOLVED OXYGEN (mg/L)	pH	REDOX POTENTIAL (mV)
07/13/09	-	-	-
11/03/09	-	-	-
01/12/10	-	-	-
07/22/10	-	-	-
11/01/10	FREE PRODUCT (0.10 FT)		
06/14/11	FREE PRODUCT (0.04 FT)		
10/14/11	FREE PRODUCT (0.03 FT)		
02/16/12	FREE PRODUCT (0.02 FT)		
10/17/12	FREE PRODUCT (0.02 FT)		
02/12/13	-	-	-
06/18/13	-	-	-
10/15/13	-	-	-
02/20/14	-	-	-
10/20/14	-	-	-
02/16/15	FREE PRODUCT (0.01 FT)		
06/24/15	-	-	-
10/15/15	-	-	-
02/24/16	-	-	-
06/20/16	FREE PRODUCT (0.01 FT)		
10/21/16	-	-	-
02/15/17	-	-	-
06/01/17	-	-	-
10/09/18	2.33	5.6	101
02/14/19	3.06	6.1	-21
06/07/19	2.88	5.8	121
09/26/19	2.51	5.5	21
01/24/20	2.65	6.1	142
05/21/20	2.42	5.8	114
09/03/20	2.74	5.7	96
01/08/21	2.59	5.7	81
05/07/21	2.77	5.9	122

Monitoring Point Data Summary Table

SITE NAME:	Highland Home Country Store			UST NUMBER:	08-12-08	WELL ID:	**MW-1**	
INSTALLATION DATE:	02/11/08	WELL DEPTH (FT BTOC):	15.5	SCREEN LENGTH (FT):	10	CASING ELEV (FT ABOVE MSL):	586.05	WELL TYPE: II DIAMETER (IN): 2

Notes: BTOC (Below Top of Casing); MSL (Mean Sea Level); BDL (Below Detection Limit)

GROUNDWATER ANALYTICAL SUMMARY (mg/L)

SAMPLE DATE	MTBE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES	TOTAL BTEX	NAPHTHALENE
07/22/10	**0.1571**	**0.0531**	<0.0010	0.0878	0.0085	0.1494	0.0403
11/01/10	0.0365	0.0107	<0.0010	0.0674	0.0142	0.0923	0.0675
06/14/11	**0.1683**	**0.1760**	<0.0010	0.1184	0.0084	0.3028	0.0687
10/14/11	**0.1396**	**0.3022**	0.0012	0.2782	0.0067	0.5883	**0.1090**
02/16/12	0.0286	0.0176	0.0011	0.0574	0.0169	0.0930	0.0313
10/17/12	0.0566	**0.1776**	<0.0010	0.1937	0.0030	0.3743	0.0870
02/12/13	0.0070	0.0010	0.0027	0.0366	0.0136	0.0539	0.0179
06/18/13	0.0317	**0.0876**	<0.0010	0.1158	<0.0010	0.2034	0.0405
10/15/13	0.0303	**0.0954**	<0.0010	0.1831	<0.0010	0.2785	0.0697
02/20/14	0.0014	<0.0010	<0.0010	0.0015	<0.0010	0.0015	<0.0010
10/20/14	0.0174	0.0023	<0.0010	0.0880	<0.0010	0.0903	0.0530
02/16/15	0.0069	0.0013	0.0026	0.0287	0.0014	0.0340	0.0260
06/24/15	0.0033	0.0034	<0.0010	0.0250	<0.0010	0.0284	0.0100
10/15/15	0.0062	0.0089	0.0106	0.1292	0.0786	0.2273	0.0813
02/24/16	0.0014	<0.0010	<0.0010	0.0072	<0.0010	0.0072	0.0024
06/20/16	0.0029	<0.0010	<0.0010	0.0356	<0.0010	0.0356	0.0081
10/21/16	0.0086	<0.0010	0.0041	0.0545	0.0107	0.0693	0.0312
02/15/17	0.0016	<0.0010	<0.0010	0.0158	<0.0010	0.0158	0.0061
06/01/17	0.0018	<0.0010	<0.0010	0.0205	<0.0010	0.0205	0.0053
10/09/18	0.0013	<0.0010	<0.0010	0.0244	<0.0010	0.0244	0.0059
02/14/19	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
06/07/19	<0.0010	<0.0010	<0.0010	0.0092	<0.0010	0.0092	0.0047
09/26/19	<0.0010	<0.0010	<0.0010	0.0606	<0.0010	0.0606	0.0270
10/03/19	CA VIA MEME						
01/24/20	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
05/21/20	<0.0010	<0.0010	<0.0010	0.0056	<0.0010	0.0056	<0.0010
09/03/20	<0.001	<0.001	<0.001	0.005	<0.001	0.005	0.001
01/08/21	<0.001	<0.001	<0.001	0.011	<0.001	0.011	0.003
05/07/21	<0.001	<0.001	<0.001	<0.001	<0.001	BDL	<0.001
GRP SSTLs:	**0.0944**	**0.0236**	**4.72**	**3.3**	**47.2**	**-**	**0.0944**
Inhalation SSTLs:	**2,940**	**1.01**	**58.2**	**153**	**49.1**	**-**	**5.81**

Monitoring Point Data Summary Table

SITE NAME:	Highland Home Country Store			UST NUMBER:	08-12-08	WELL ID:	**MW-2**		
INSTALLATION DATE:	02/11/08	WELL DEPTH (FT BTOC):	15.0	SCREEN LENGTH (FT):	10	CASING ELEV (FT ABOVE MSL):	585.50	WELL TYPE: DIAMETER (IN):	II 2

Notes: BTOC (Below Top of Casing); MSL (Mean Sea Level); BDL (Below Detection Limit)

POTENTIOMETRIC ELEVATION SUMMARY

MEASUREMENT DATE	DEPTH TO WATER (FT BTOC)	ELEVATION (FT ABOVE MSL)	FREE PRODUCT THICKNESS (FT)	PCW GALLONS REMOVED
01/12/10	7.34	578.16	-	-
07/22/10	8.37	577.13	-	-
11/01/10	9.71	575.79	0.01	-
06/14/11	8.23	577.27	0.01	-
10/14/11	8.66	576.84	-	-
02/16/12	8.92	576.58	-	-
10/17/12	8.74	576.76	-	-
02/12/13	8.75	576.75	-	-
06/18/13	7.71	577.79	-	-
10/15/13	8.24	577.26	-	-
02/20/14	8.22	577.28	-	-
06/04/14	7.44	578.06	0.01	-
10/20/14	8.67	576.83	-	-
02/16/15	9.02	576.48	-	-
06/24/15	8.26	577.24	-	-
10/15/15	8.77	576.73	-	3.0
02/24/16	7.52	577.98	-	1.0
06/20/16	8.28	577.22	-	2.0
10/21/16	8.64	576.86	-	2.0
02/15/17	7.29	578.21	-	2.0
06/01/17	5.47	580.03	-	3.0
10/09/18	8.53	576.97	-	2.0
02/14/19	7.66	577.84	-	2.0
06/07/19	8.34	577.16	-	2.0
09/26/19	9.35	576.15	-	2.5
01/24/20	5.29	580.21	-	4.0
05/21/20	7.12	578.38	-	3.0
09/03/20	7.61	577.89	-	2.0
01/08/21	7.64	577.86	-	3.0
05/07/21	6.56	578.94	-	3.0

INTRINSIC GROUNDWATER DATA SUMMARY

SAMPLE DATE	DISSOLVED OXYGEN (mg/L)	pH	REDOX POTENTIAL (mV)
01/12/10	-	-	-
07/22/10	-	-	-
11/01/10	FREE PRODUCT (0.01 FT)		
06/14/11	FREE PRODUCT (0.01 FT)		
10/14/11	-	-	-
02/16/12	-	-	-
10/17/12	-	-	-
02/12/13	-	-	-
06/18/13	-	-	-
10/15/13	-	-	-
02/20/14	-	-	-
06/04/14	FREE PRODUCT (0.01 FT)		
10/20/14	-	-	-
02/16/15	-	-	-
06/24/15	-	-	-
10/15/15	-	-	-
02/24/16	-	-	-
06/20/16	-	-	-
10/21/16	-	-	-
02/15/17	-	-	-
06/01/17	-	-	-
10/09/18	1.84	5.4	59
02/14/19	1.79	6.1	-57
06/07/19	3.09	5.7	115
09/26/19	2.71	5.7	35
01/24/20	2.47	5.8	38
05/21/20	3.18	5.8	121
09/03/20	2.48	5.6	73
01/08/21	2.73	5.7	57
05/07/21	2.41	5.8	104

Monitoring Point Data Summary Table

SITE NAME:	Highland Home Country Store			UST NUMBER:	08-12-08	WELL ID:	**MW-2**	
INSTALLATION DATE:	02/11/08	WELL DEPTH (FT BTOC):	15.0	SCREEN LENGTH (FT):	10	CASING ELEV (FT ABOVE MSL):	585.50	WELL TYPE: II DIAMETER (IN): 2

Notes: BTOC (Below Top of Casing); MSL (Mean Sea Level); BDL (Below Detection Limit)

GROUNDWATER ANALYTICAL SUMMARY (mg/L)

SAMPLE DATE	MTBE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES	TOTAL BTEX	NAPHTHALENE
07/22/10	**1.2348**	**0.2209**	<0.0200	0.2908	<0.0200	0.5117	**0.1720**
11/01/10	**1.4072**	**0.2359**	<0.0125	0.3363	<0.0125	0.5722	**0.2152**
06/14/11	**0.4144**	**0.5304**	<0.0050	0.4035	0.0077	0.9416	**0.2514**
10/14/11	**0.2015**	**0.2178**	<0.0050	0.2423	<0.0050	0.4601	**0.1628**
02/16/12	**0.4302**	**0.0694**	0.0059	0.1779	0.0200	0.2732	0.0923
10/17/12	**0.4548**	**0.4239**	<0.0040	0.3424	<0.0040	0.7663	**0.1905**
02/12/13	**0.4242**	**0.1869**	<0.0040	0.2399	<0.0040	0.4268	**0.1282**
06/18/13	**0.1630**	**0.3887**	<0.0040	0.3149	<0.0040	0.7036	**0.1535**
10/15/13	**0.1248**	**0.3431**	0.0014	0.2603	0.0070	0.6118	**0.1600**
02/20/14	**0.2839**	**0.3089**	<0.0040	0.3158	<0.0040	0.6247	**0.1936**
06/04/14	NOT SAMPLED - FREE PRODUCT (0.01 FT)						
10/20/14	**0.2069**	**0.2442**	<0.0040	0.3131	<0.0040	0.5573	0.0902
02/16/15	**0.2768**	**0.1199**	<0.0025	0.2568	0.0062	0.3829	**0.1230**
06/24/15	**0.1306**	**0.2017**	<0.0025	0.2472	<0.0025	0.4489	0.0755
10/15/15	**0.2720**	**0.2384**	0.0039	0.2497	0.0115	0.5035	**0.1083**
02/24/16	**0.1011**	**0.2917**	<0.0025	0.2747	<0.0025	0.5664	0.0766
06/20/16	**0.1028**	**0.2310**	<0.0025	0.2223	<0.0025	0.4533	0.0690
10/21/16	**0.2367**	**0.1501**	<0.0025	0.1812	<0.0025	0.3313	0.0689
02/15/17	**0.2079**	**0.2021**	<0.0050	0.0917	0.0096	0.3034	0.0583
06/01/17	0.0662	**0.2700**	<0.0025	0.1631	0.0082	0.4413	**0.1000**
10/09/18	0.0653	**0.0749**	0.0037	0.1308	0.0204	0.2298	0.0545
02/14/19	0.0411	**0.1023**	<0.0025	0.1487	<0.0025	0.2509	0.0470
06/07/19	0.0396	**0.0700**	<0.0010	0.1483	0.0016	0.2199	0.0418
09/26/19	**0.1440**	**0.1927**	<0.0010	0.1345	0.0013	0.3285	0.0887
10/03/19	CA VIA MEME						
01/24/20	0.0538	**0.1123**	<0.0010	0.1343	0.0038	0.2504	0.0264
05/21/20	0.0170	**0.0718**	<0.0010	0.1863	<0.0010	0.2581	0.0499
09/03/20	0.019	**0.063**	<0.001	0.073	<0.001	0.136	0.020
01/08/21	0.021	**0.073**	<0.001	0.165	0.001	0.239	0.032
05/07/21	0.016	**0.082**	<0.001	0.188	0.004	0.274	0.048
GRP SSTLs:	**0.0944**	**0.0236**	**4.72**	**3.3**	**47.2**	-	**0.0944**
Inhalation SSTLs:	**2,940**	**1.01**	**58.2**	**153**	**49.1**	-	**5.81**

Monitoring Point Data Summary Table

SITE NAME:	Highland Home Country Store			UST NUMBER:	08-12-08	WELL ID:	**MW-3**		
INSTALLATION DATE:	02/11/08	WELL DEPTH (FT BTOC):	15.0	SCREEN LENGTH (FT):	10	CASING ELEV (FT ABOVE MSL):	584.80	WELL TYPE: DIAMETER (IN):	II 2

Notes: BTOC (Below Top of Casing); MSL (Mean Sea Level); BDL (Below Detection Limit)

POTENTIOMETRIC ELEVATION SUMMARY

MEASUREMENT DATE	DEPTH TO WATER (FT BTOC)	ELEVATION (FT ABOVE MSL)	FREE PRODUCT THICKNESS (FT)	PCW GALLONS REMOVED
01/12/10	6.83	577.97	-	-
07/22/10	8.46	576.34	-	-
11/01/10	9.83	574.97	-	-
06/14/11	8.24	576.57	0.01	-
10/14/11	8.93	575.87	-	-
02/16/12	7.93	576.88	0.01	-
10/17/12	8.35	576.45	-	-
02/12/13	7.30	577.50	-	-
06/18/13	7.55	577.25	-	-
10/15/13	8.40	576.40	-	-
02/20/14	6.63	578.17	-	-
06/04/14	6.61	578.19	-	-
10/20/14	9.13	575.67	-	-
02/16/15	8.08	576.72	-	-
06/24/15	7.21	577.60	0.01	-
10/15/15	8.89	575.91	-	3.0
02/24/16	7.00	577.81	0.01	1.0
06/20/16	7.85	576.95	-	2.0
10/21/16	9.31	575.49	-	2.0
02/15/17	7.24	577.56	-	2.0
06/01/17	7.05	577.75	-	2.0
10/09/18	7.76	577.05	0.01	2.0
02/14/19	7.61	577.21	0.02	2.0
06/07/19	7.55	577.25	-	3.0
09/26/19	8.92	575.88	-	2.5
01/24/20	5.71	579.09	-	4.0
05/21/20	8.12	576.68	-	2.0
09/03/20	7.98	576.82	-	2.0
01/08/21	7.46	577.34	-	3.0
05/07/21	6.91	577.89	-	3.0

INTRINSIC GROUNDWATER DATA SUMMARY

SAMPLE DATE	DISSOLVED OXYGEN (mg/L)	pH	REDOX POTENTIAL (mV)
01/12/10	1.86	5.8	140
07/22/10	-	-	-
11/01/10	-	-	-
06/14/11	FREE PRODUCT (0.01 FT)		
10/14/11	-	-	-
02/16/12	FREE PRODUCT (0.01 FT)		
10/17/12	-	-	-
02/12/13	-	-	-
06/18/13	-	-	-
10/15/13	-	-	-
02/20/14	-	-	-
10/20/14	-	-	-
02/16/15	-	-	-
06/24/15	-	-	-
10/15/15	FREE PRODUCT (0.01 FT)		
02/24/16	-	-	-
06/20/16	FREE PRODUCT (0.01 FT)		
10/21/16	-	-	-
02/15/17	-	-	-
06/01/17	-	-	-
06/01/17	-	-	-
10/09/18	FREE PRODUCT (0.01 FT)		
02/14/19	FREE PRODUCT (0.02 FT)		
06/07/19	-	-	-
09/26/19	2.41	5.2	73
01/24/20	1.84	5.9	124
05/21/20	1.76	5.7	68
09/03/20	2.66	5.9	102
01/08/21	2.37	5.8	112
05/07/21	2.67	5.8	118

Monitoring Point Data Summary Table

SITE NAME:	Highland Home Country Store			UST NUMBER:	08-12-08	WELL ID:	**MW-3**	
INSTALLATION DATE:	02/11/08	WELL DEPTH (FT BTOC):	15.0	SCREEN LENGTH (FT):	10	CASING ELEV (FT ABOVE MSL):	584.80	WELL TYPE: II DIAMETER (IN): 2

Notes: BTOC (Below Top of Casing); MSL (Mean Sea Level); BDL (Below Detection Limit)

GROUNDWATER ANALYTICAL SUMMARY (mg/L)

SAMPLE DATE	MTBE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES	TOTAL BTEX	NAPHTHALENE
07/22/10	**0.5585**	**0.5021**	0.0069	0.4521	0.0341	0.9952	**0.3340**
11/01/10	**0.7416**	**0.4830**	0.0053	0.2717	<0.0050	0.7600	**0.1684**
06/14/11	**0.4332**	**0.3794**	0.0055	0.2528	0.0259	0.6636	**0.2563**
10/14/11	**0.3492**	**0.1280**	0.0153	0.1635	0.0734	0.3802	**0.1417**
02/16/12	**0.3327**	**0.1734**	0.0992	0.1783	0.3340	0.7849	**0.2989**
10/17/12	**0.2796**	**0.3081**	0.0053	0.2109	0.0139	0.5382	**0.2914**
02/12/13	**0.1946**	**0.2351**	0.0041	0.1787	0.0094	0.4273	**0.1740**
06/18/13	**0.1837**	**0.2530**	0.0041	0.1520	0.0060	0.4151	**0.1893**
10/15/13	**0.2093**	**0.2421**	0.1052	0.1938	0.5257	1.0668	**0.3191**
02/20/14	0.0572	**0.1310**	0.0054	0.0779	0.0148	0.2291	**0.1296**
06/04/14	**0.1027**	**0.2151**	0.0740	0.1671	0.5528	1.0090	**0.2232**
10/20/14	**0.2338**	**0.1750**	0.0343	0.1195	0.5797	0.9085	**0.2299**
02/16/15	**0.1704**	**0.1887**	0.0454	0.1125	0.1941	0.5407	**0.1815**
06/24/15	0.0549	**0.1257**	0.0040	0.0437	0.0240	0.1974	0.0733
10/15/15	**0.1539**	**0.1217**	0.0039	0.0516	0.0405	0.2177	**0.1321**
02/24/16	0.0553	**0.1416**	0.0066	0.0586	0.0079	0.2147	0.0710
06/20/16	**0.0909**	**0.0976**	0.0013	0.0390	0.0210	0.1589	0.0726
10/21/16	**0.1404**	**0.0741**	0.0014	0.0291	0.0048	0.1094	**0.0944**
02/15/17	**0.0993**	**0.1316**	0.0018	0.0354	0.0055	0.1743	0.0679
06/01/17	0.0530	**0.0971**	0.1628	0.1074	1.6761	2.0434	**0.2339**
10/09/18	0.0531	**0.0870**	0.0031	0.0264	0.0127	0.1292	0.0711
02/14/19	0.0296	**0.0414**	0.0024	0.0165	0.0644	0.1246	0.0399
06/07/19	0.0343	**0.0552**	<0.0010	0.0174	0.0023	0.0749	0.0323
09/26/19	0.0622	**0.0710**	<0.0010	0.0145	0.0045	0.0900	0.0671
10/03/19	CA VIA MEME						
01/24/20	0.0034	**0.0389**	0.0019	0.0211	0.0131	0.0750	0.0069
05/21/20	0.0362	**0.0525**	<0.0010	0.0243	0.0071	0.0839	0.0553
09/03/20	0.039	**0.066**	<0.001	0.016	0.003	0.085	0.045
01/08/21	0.029	**0.047**	<0.001	0.015	0.004	0.066	0.030
05/07/21	0.002	0.010	0.001	0.005	0.039	0.055	0.035
GRP SSTLs:	**0.0907**	**0.0227**	**4.54**	**3.18**	**45.4**	-	**0.0907**
Inhalation SSTLs:	**2,940**	**1.01**	**58.2**	**153**	**49.1**	-	**5.81**

Monitoring Point Data Summary Table

SITE NAME:	Highland Home Country Store			UST NUMBER:	08-12-08	WELL ID:	**MW-4**		
INSTALLATION DATE:	02/11/08	WELL DEPTH (FT BTOC):	15.5	SCREEN LENGTH (FT):	10	CASING ELEV (FT ABOVE MSL):	585.63	WELL TYPE: DIAMETER (IN):	II 2

Notes: BTOC (Below Top of Casing); MSL (Mean Sea Level); BDL (Below Detection Limit)

POTENTIOMETRIC ELEVATION SUMMARY

MEASUREMENT DATE	DEPTH TO WATER (FT BTOC)	ELEVATION (FT ABOVE MSL)	FREE PRODUCT THICKNESS (FT)	PCW GALLONS REMOVED
01/12/10	6.11	579.52	-	-
07/22/10	7.58	578.05	-	-
11/01/10	8.83	576.80	-	-
06/14/11	7.78	577.85	0.01	-
10/14/11	7.95	577.68	-	-
02/16/12	6.41	579.22	-	-
10/17/12	7.50	578.13	-	-
02/12/13	4.56	581.07	-	-
06/18/13	6.87	578.76	-	-
10/15/13	7.61	578.02	-	-
02/20/14	5.48	580.15	-	-
06/04/14	5.64	579.99	-	-
10/20/14	7.92	577.71	-	-
02/16/15	7.08	578.55	-	-
06/24/15	6.67	578.96	-	-
10/15/15	7.44	578.19	-	4.0
02/24/16	5.82	579.81	-	1.0
06/20/16	7.05	578.58	-	2.0
10/21/16	7.89	577.74	-	2.0
02/15/17	5.97	579.66	-	2.0
06/01/17	5.94	579.69	-	3.0
10/09/18	6.72	578.91	-	3.0
02/14/19	6.51	579.12	-	3.0
06/07/19	6.86	578.77	-	3.0
09/26/19	7.88	577.75	-	3.0
01/24/20	3.92	581.71	-	5.0
05/21/20	7.02	578.61	-	3.0
09/03/20	6.98	578.65	-	2.0
01/08/21	5.96	579.67	-	4.0
05/07/21	5.27	580.36	-	4.0

INTRINSIC GROUNDWATER DATA SUMMARY

SAMPLE DATE	DISSOLVED OXYGEN (mg/L)	pH	REDOX POTENTIAL (mV)
01/12/10	-	-	-
07/22/10	-	-	-
11/01/10	-	-	-
06/14/11	FREE PRODUCT (0.01 FT)		
10/14/11	-	-	-
02/16/12	2.84	6.4	191
10/17/12	1.48	6.2	128
02/12/13	2.75	5.9	141
06/18/13	1.03	5.7	46
10/15/13	1.76	5.8	236
02/20/14	4.80	4.9	219
06/04/14	2.76	6.0	153
10/20/14	2.24	5.7	210
02/16/15	2.44	6.1	160
06/24/15	2.44	5.9	140
10/15/15	-	-	-
02/24/16	1.80	5.8	160
06/20/16	2.48	5.5	115
10/21/16	-	-	-
02/15/17	3.29	6.4	189
06/01/17	2.86	6.1	124
10/09/18	2.79	5.8	136
02/14/19	2.42	6.0	-11
06/07/19	3.46	5.8	132
09/26/19	3.60	5.8	119
01/24/20	2.59	5.6	146
05/21/20	2.54	6.0	92
09/03/20	2.78	5.9	124
01/08/21	2.87	6.0	131
05/07/21	3.47	6.1	172

Monitoring Point Data Summary Table

SITE NAME:	Highland Home Country Store			UST NUMBER:	08-12-08	WELL ID:	**MW-4**	
INSTALLATION DATE:	02/11/08	WELL DEPTH (FT BTOC):	15.5	SCREEN LENGTH (FT):	10	CASING ELEV (FT ABOVE MSL):	585.63	WELL TYPE: II DIAMETER (IN): 2

Notes: BTOC (Below Top of Casing); MSL (Mean Sea Level); BDL (Below Detection Limit)

GROUNDWATER ANALYTICAL SUMMARY (mg/L)

SAMPLE DATE	MTBE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES	TOTAL BTEX	NAPHTHALENE
01/12/10	0.0035	0.0012	<0.0010	<0.0010	<0.0010	0.0012	<0.0010
07/22/10	0.0530	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
11/01/10	0.0943	0.0170	<0.0010	0.0042	0.0013	0.0225	0.0064
06/14/11	0.0022	<0.0010	<0.0010	<0.0010	0.0035	0.0035	0.0069
10/14/11	0.0055	0.0048	<0.0010	<0.0010	<0.0010	0.0048	0.0030
02/16/12	0.0016	<0.0010	0.0012	0.0016	0.0089	0.0117	0.0028
10/17/12	0.0039	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
02/12/13	<0.0010	<0.0010	<0.0010	<0.0010	0.0015	0.0015	<0.0010
06/18/13	0.0062	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
10/15/13	0.0029	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
02/20/14	0.0026	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
06/04/14	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
10/20/14	0.0106	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
02/16/15	0.0040	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
06/24/15	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
10/15/15	0.0053	<0.0010	0.0026	0.0012	0.0106	0.0144	0.0031
02/24/16	0.0015	<0.0010	<0.0010	0.0012	0.0476	0.0488	0.0319
06/20/16	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
10/21/16	0.0427	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
02/15/17	0.0014	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
06/01/17	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
10/09/18	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
02/14/19	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
06/07/19	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	0.0034
09/26/19	0.0048	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
10/03/19	CA VIA MEME						
01/24/20	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
05/21/20	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
09/03/20	<0.001	<0.001	<0.001	<0.001	<0.001	BDL	<0.001
01/08/21	0.001	<0.001	<0.001	<0.001	<0.001	BDL	<0.001
05/07/21	<0.001	<0.001	<0.001	<0.001	<0.001	BDL	<0.001
Inhalation SSTLs:	**2,940**	**1.01**	**58.2**	**153**	**49.1**	**-**	**5.81**

Monitoring Point Data Summary Table

SITE NAME:	Highland Home Country Store			UST NUMBER:	08-12-08	WELL ID:	**MW-5**		
INSTALLATION DATE:	06/23/08	WELL DEPTH (FT BTOC):	15.0	SCREEN LENGTH (FT):	12.5	CASING ELEV (FT ABOVE MSL):	586.14	WELL TYPE: DIAMETER (IN):	II 2

Notes: BTOC (Below Top of Casing); MSL (Mean Sea Level); BDL (Below Detection Limit)

POTENTIOMETRIC ELEVATION SUMMARY

MEASUREMENT DATE	DEPTH TO WATER (FT BTOC)	ELEVATION (FT ABOVE MSL)	FREE PRODUCT THICKNESS (FT)	PCW GALLONS REMOVED
01/12/10	7.79	578.35	-	-
07/22/10	10.46	575.68	-	-
11/01/10	12.35	573.79	-	-
06/14/11	10.35	575.79	-	-
10/14/11	11.40	574.74	-	-
02/16/12	8.94	577.20	-	-
10/17/12	10.63	575.51	-	-
02/12/13	2.69	583.45	-	-
06/18/13	9.41	576.73	-	-
10/15/13	10.41	575.73	-	-
02/20/14	6.58	579.56	-	-
06/04/14	7.84	578.30	-	-
10/20/14	11.68	574.46	-	-
02/16/15	9.38	576.76	-	-
06/24/15	8.83	577.31	-	-
10/15/15	11.32	574.82	-	2.0
02/24/16	7.41	578.73	-	1.0
06/20/16	9.55	576.59	-	2.0
10/21/16	11.79	574.35	-	1.0
02/15/17	7.51	578.63	-	2.0
06/01/17	7.92	578.22	-	2.0
10/09/18	9.08	577.06	-	2.0
02/14/19	8.32	577.82	-	2.0
06/07/19	8.51	577.63	-	2.0
09/26/19	10.96	575.18	-	1.5
01/24/20	3.94	582.20	-	4.0
05/21/20	8.91	577.23	-	2.0
09/03/20	9.24	576.90	-	1.0
01/08/21	7.23	578.91	-	3.0
05/07/21	7.02	579.12	-	3.0

INTRINSIC GROUNDWATER DATA SUMMARY

SAMPLE DATE	DISSOLVED OXYGEN (mg/L)	pH	REDOX POTENTIAL (mV)
01/12/10	1.38	5.6	163
07/22/10	-	-	-
11/01/10	-	-	-
06/14/11	-	-	-
10/14/11	-	-	-
02/16/12	-	-	-
10/17/12	1.39	5.4	150
02/12/13	2.13	6.2	176
06/18/13	1.10	5.1	191
10/15/13	1.48	6.0	183
02/20/14	2.54	4.8	213
06/04/14	1.23	5.6	127
10/20/14	1.38	5.8	196
02/16/15	2.27	5.4	137
06/24/15	1.75	5.4	124
10/15/15	2.44	5.4	157
02/24/16	1.49	5.4	178
06/20/16	2.93	5.3	136
10/21/16	2.54	5.9	198
02/15/17	2.64	5.8	147
06/01/17	2.49	5.9	112
10/09/18	2.43	5.7	165
02/14/19	3.80	5.8	141
06/07/19	2.74	5.9	96
09/26/19	2.63	5.7	130
01/24/20	2.31	5.7	87
05/21/20	2.14	5.7	125
09/03/20	2.59	5.6	119
01/08/21	2.49	5.8	102
05/07/21	3.28	6.2	148

Monitoring Point Data Summary Table

SITE NAME:	Highland Home Country Store			UST NUMBER:	08-12-08	WELL ID:	**MW-5**	
INSTALLATION DATE:	06/23/08	WELL DEPTH (FT BTOC):	15.0	SCREEN LENGTH (FT):	12.5	CASING ELEV (FT ABOVE MSL):	586.14	WELL TYPE: II DIAMETER (IN): 2

Notes: BTOC (Below Top of Casing); MSL (Mean Sea Level); BDL (Below Detection Limit)

GROUNDWATER ANALYTICAL SUMMARY (mg/L)

SAMPLE DATE	MTBE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES	TOTAL BTEX	NAPHTHALENE
01/12/10	0.1936	<0.0010	<0.0010	0.0018	<0.0010	0.0018	<0.0010
07/22/10	0.3178	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
11/01/10	0.3225	<0.0025	<0.0025	<0.0025	<0.0025	BDL	<0.0025
06/14/11	0.2521	<0.0010	<0.0010	<0.0010	0.0013	0.0013	0.0012
10/14/11	NOT SAMPLED						
02/16/12	0.1215	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
10/17/12	0.1035	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
02/12/13	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
06/18/13	0.0895	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
10/15/13	0.0682	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
02/20/14	0.0051	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
06/04/14	0.0224	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
10/20/14	0.0707	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
02/16/15	0.0419	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
06/24/15	0.0195	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
10/15/15	0.0378	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
02/24/16	0.0128	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
06/20/16	0.0072	<0.0010	<0.0010	<0.0010	<0.0010	BDL	0.0014
10/21/16	0.0152	<0.0010	<0.0010	<0.0010	<0.0010	BDL	0.0011
02/15/17	0.0091	<0.0010	<0.0010	<0.0010	0.0011	0.0011	<0.0010
06/01/17	0.0055	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
10/09/18	0.0022	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
02/14/19	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
06/07/19	0.0027	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
09/26/19	0.0073	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
10/03/19	CA VIA MEME						
01/24/20	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
05/21/20	0.0031	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
09/03/20	0.002	<0.001	<0.001	<0.001	<0.001	BDL	<0.001
01/08/21	<0.001	<0.001	<0.001	<0.001	<0.001	BDL	<0.001
05/07/21	<0.001	<0.001	<0.001	<0.001	<0.001	BDL	<0.001
Inhalation SSTLs:	**2,940**	**1.01**	**58.2**	**153**	**49.1**	**-**	**5.81**

Monitoring Point Data Summary Table

SITE NAME:	Highland Home Country Store			UST NUMBER:	08-12-08	WELL ID:	**MW-6**		
INSTALLATION DATE:	06/23/08	WELL DEPTH (FT BTOC):	15.5	SCREEN LENGTH (FT):	12.5	CASING ELEV (FT ABOVE MSL):	585.74	WELL TYPE: DIAMETER (IN):	II 2

Notes: BTOC (Below Top of Casing); MSL (Mean Sea Level); BDL (Below Detection Limit)

POTENTIOMETRIC ELEVATION SUMMARY

MEASUREMENT DATE	DEPTH TO WATER (FT BTOC)	ELEVATION (FT ABOVE MSL)	FREE PRODUCT THICKNESS (FT)	PCW GALLONS REMOVED
01/12/10	8.11	577.63	-	-
07/22/10	11.02	574.72	-	-
11/01/10	11.89	573.85	-	-
06/14/11	10.44	575.30	-	-
10/14/11	11.35	574.39	-	-
02/16/12	9.79	575.95	-	-
10/17/12	10.61	575.13	-	-
02/12/13	7.09	578.65	-	-
06/18/13	10.00	575.74	-	-
10/15/13	10.58	575.16	-	-
02/20/14	6.40	579.34	-	-
06/04/14	8.77	576.97	-	-
10/20/14	11.45	574.29	-	-
02/16/15	10.22	575.52	-	-
06/24/15	9.67	576.07	-	-
10/15/15	11.30	574.44	-	2.0
02/24/16	8.08	577.66	-	1.0
06/20/16	9.79	575.95	-	1.0
10/21/16	11.47	574.27	-	1.0
02/15/17	9.39	576.35	-	2.0
06/01/17	9.09	576.65	-	1.0
10/09/18	9.76	575.98	-	2.0
02/14/19	9.52	576.22	-	2.0
06/07/19	9.82	575.92	-	2.0
09/26/19	11.20	574.54	-	1.5
01/24/20	6.04	579.70	-	3.0
05/21/20	10.12	575.62	-	2.0
09/03/20	9.78	575.96	-	1.0
01/08/21	8.87	576.87	-	2.0
05/07/21	8.51	577.23	-	3.0

INTRINSIC GROUNDWATER DATA SUMMARY

SAMPLE DATE	DISSOLVED OXYGEN (mg/L)	pH	REDOX POTENTIAL (mV)
01/12/10	-	-	-
07/22/10	-	-	-
11/01/10	1.77	5.7	212
06/14/11	-	-	-
10/14/11	-	-	-
02/16/12	2.44	6.1	150
10/17/12	2.46	5.6	142
02/12/13	3.13	5.1	179
06/18/13	1.43	5.2	165
10/15/13	1.63	5.7	147
02/20/14	2.36	4.9	199
06/04/14	2.73	5.6	153
10/20/14	1.69	5.3	225
02/16/15	2.68	5.7	142
06/24/15	1.85	5.2	155
10/15/15	1.88	4.9	149
02/24/16	2.26	5.9	139
06/20/16	2.78	6.0	155
10/21/16	2.71	6.2	177
02/15/17	2.81	5.9	174
06/01/17	2.71	5.8	119
10/09/18	2.26	5.7	42
02/14/19	4.11	5.8	152
06/07/19	4.26	6.2	131
09/26/19	2.44	5.8	162
01/24/20	3.27	6.1	157
05/21/20	2.61	5.6	107
09/03/20	2.89	5.7	64
01/08/21	1.59	5.5	78
05/07/21	2.68	5.9	124

Monitoring Point Data Summary Table

SITE NAME:	Highland Home Country Store			UST NUMBER:	08-12-08	WELL ID:	**MW-6**	
INSTALLATION DATE:	06/23/08	WELL DEPTH (FT BTOC):	15.5	SCREEN LENGTH (FT):	12.5	CASING ELEV (FT ABOVE MSL):	585.74	WELL TYPE: II DIAMETER (IN): 2

Notes: BTOC (Below Top of Casing); MSL (Mean Sea Level); BDL (Below Detection Limit)

GROUNDWATER ANALYTICAL SUMMARY (mg/L)

SAMPLE DATE	MTBE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES	TOTAL BTEX	NAPHTHALENE
11/01/10	**0.3662**	<0.0040	<0.0040	<0.0040	<0.0040	BDL	<0.0040
06/14/11	**0.3835**	<0.0040	<0.0040	<0.0040	<0.0040	BDL	0.0058
10/14/11	NOT SAMPLED						
02/16/12	**0.1959**	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
10/17/12	**0.1346**	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
02/12/13	0.0234	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
06/18/13	**0.1434**	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
10/15/13	**0.0975**	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
02/20/14	0.0092	<0.0010	<0.0010	<0.0010	<0.0010	BDL	0.0013
06/04/14	0.0172	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
10/20/14	0.0442	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
02/16/15	**0.0747**	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
06/24/15	**0.0673**	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
10/15/15	0.0340	<0.0010	<0.0010	<0.0010	<0.0010	BDL	0.0026
02/24/16	0.0346	<0.0010	<0.0010	<0.0010	0.0016	0.0016	<0.0010
06/20/16	0.0496	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
10/21/16	0.0267	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
02/15/17	0.0365	<0.0010	<0.0010	<0.0010	<0.0010	BDL	0.0014
06/01/17	0.0337	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
10/09/18	0.0205	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
02/14/19	0.0174	<0.0010	0.0015	0.0021	0.0227	0.0262	0.0138
06/07/19	0.0165	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
09/26/19	0.0123	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
10/03/19	CA VIA MEME						
01/24/20	0.0014	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
05/21/20	0.0100	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
09/03/20	0.010	<0.001	<0.001	<0.001	<0.001	BDL	<0.001
01/08/21	0.011	<0.001	<0.001	<0.001	<0.001	BDL	<0.001
05/07/21	0.004	<0.001	<0.001	<0.001	<0.001	BDL	<0.001
GRP SSTLs:	**0.0574**	**0.0144**	**2.87**	**2.01**	**28.7**	**-**	**0.0574**
Inhalation SSTLs:	**2,940**	**1.01**	**58.2**	**153**	**49.1**	**-**	**5.81**

Monitoring Point Data Summary Table

SITE NAME:	Highland Home Country Store			UST NUMBER:	08-12-08	WELL ID:	**MW-7**		
INSTALLATION DATE:	06/23/08	WELL DEPTH (FT BTOC):	15.0	SCREEN LENGTH (FT):	13	CASING ELEV (FT ABOVE MSL):	585.35	WELL TYPE: DIAMETER (IN):	II 2

Notes: BTOC (Below Top of Casing); MSL (Mean Sea Level); BDL (Below Detection Limit)

POTENTIOMETRIC ELEVATION SUMMARY

MEASUREMENT DATE	DEPTH TO WATER (FT BTOC)	ELEVATION (FT ABOVE MSL)	FREE PRODUCT THICKNESS (FT)	PCW GALLONS REMOVED
01/12/10	6.69	578.66	-	-
07/22/10	9.97	575.38	-	-
11/01/10	11.34	574.01	-	-
06/14/11	8.33	577.02	-	-
10/14/11	10.49	574.86	-	-
02/16/12	7.42	577.93	-	-
10/17/12	8.80	576.55	-	-
02/12/13	5.63	579.72	-	-
06/18/13	7.68	577.67	-	-
10/15/13	8.96	576.39	-	-
02/20/14	5.42	579.93	-	-
06/04/14	6.69	578.66	-	-
10/20/14	10.72	574.63	-	-
02/16/15	7.95	577.40	-	-
06/24/15	7.41	577.94	-	-
10/15/15	10.51	574.84	-	2.0
02/24/16	6.46	578.89	-	1.0
06/20/16	7.62	577.73	-	2.0
10/21/16	10.68	574.67	-	1.0
02/15/17	6.80	578.55	0.04	2.0
06/01/17	7.07	578.28	-	2.0
10/09/18	7.76	577.59	-	3.0
02/14/19	6.97	578.38	-	3.0
06/07/19	7.27	578.08	-	3.0
09/26/19	10.53	574.82	-	2.0
01/24/20	9.79	575.56	-	2.0
05/21/20	7.58	577.77	-	3.0
09/03/20	7.74	577.61	-	2.0
01/08/21	6.87	578.48	-	3.0
05/07/21	6.49	578.86	-	3.0

INTRINSIC GROUNDWATER DATA SUMMARY

SAMPLE DATE	DISSOLVED OXYGEN (mg/L)	pH	REDOX POTENTIAL (mV)
01/12/10	1.65	6.0	181
07/22/10	-	-	-
11/01/10	-	-	-
06/14/11	-	-	-
10/14/11	-	-	-
02/16/12	1.73	6.2	261
10/17/12	-	-	-
02/12/13	-	-	-
06/18/13	-	-	-
10/15/13	1.96	5.5	133
02/20/14	-	-	-
06/04/14	-	-	-
10/20/14	-	-	-
02/16/15	-	-	-
06/24/15	-	-	-
10/15/15	-	-	-
02/24/16	1.84	5.8	157
06/20/16	-	-	-
10/21/16	2.37	6.1	169
02/15/17	FREE PRODUCT (0.04 FT)		
06/01/17	-	-	-
10/09/18	1.42	5.6	82
02/14/19	1.81	6.0	49
06/07/19	2.69	5.8	112
09/26/19	2.57	5.9	55
01/24/20	1.96	5.8	139
05/21/20	2.29	5.7	125
09/03/20	2.81	5.8	49
01/08/21	1.87	5.6	65
05/07/21	2.39	5.8	76

Monitoring Point Data Summary Table

SITE NAME:	Highland Home Country Store			UST NUMBER:	08-12-08	WELL ID:	**MW-7**	
INSTALLATION DATE:	06/23/08	WELL DEPTH (FT BTOC):	15.0	SCREEN LENGTH (FT):	13	CASING ELEV (FT ABOVE MSL):	585.35	WELL TYPE: II DIAMETER (IN): 2

Notes: BTOC (Below Top of Casing); MSL (Mean Sea Level); BDL (Below Detection Limit)

GROUNDWATER ANALYTICAL SUMMARY (mg/L)

SAMPLE DATE	MTBE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES	TOTAL BTEX	NAPHTHALENE
11/01/10	**0.2663**	<0.0010	<0.0010	<0.0010	<0.0010	BDL	0.0044
06/14/11	0.0536	**0.0244**	0.0011	0.0563	0.0035	0.0853	0.0379
10/14/11	0.0797	<0.0010	<0.0010	0.0511	<0.0010	0.0511	0.0273
02/16/12	0.0197	0.0210	<0.0010	0.0677	0.0034	0.0921	0.0188
10/17/12	0.0272	0.0092	<0.0010	0.0925	<0.0010	0.1017	0.0484
02/12/13	0.0149	0.0149	<0.0010	0.0609	<0.0010	0.0758	0.0240
06/18/13	0.0073	0.0114	<0.0010	0.0627	<0.0010	0.0741	0.0334
10/15/13	0.0216	0.0052	<0.0010	0.0546	<0.0010	0.0598	0.0310
02/20/14	0.0108	0.0032	<0.0010	0.0132	<0.0010	0.0164	<0.0010
06/04/14	0.0106	0.0104	<0.0010	0.0269	<0.0010	0.0373	0.0234
10/20/14	0.0411	<0.0010	<0.0010	0.0197	<0.0010	0.0197	0.0136
02/16/15	0.0079	0.0080	<0.0010	0.0539	<0.0010	0.0619	0.0187
06/24/15	0.0067	0.0073	<0.0010	0.0314	<0.0010	0.0387	0.0055
10/15/15	0.0284	<0.0010	<0.0010	0.0261	<0.0010	0.0261	0.0179
02/24/16	0.0066	<0.0010	<0.0010	0.0083	<0.0010	0.0083	<0.0010
06/20/16	0.0041	<0.0010	<0.0010	0.0137	<0.0010	0.0137	0.0047
10/21/16	0.0212	<0.0010	<0.0010	0.0190	<0.0010	0.0190	0.0140
02/15/17	0.0051	0.0012	<0.0010	0.0088	0.0018	0.0118	0.0152
06/01/17	0.0038	0.0020	<0.0010	0.0152	<0.0010	0.0172	0.0048
10/09/18	0.0034	<0.0010	<0.0010	0.0424	0.0335	0.0759	0.0078
02/14/19	0.0017	<0.0010	<0.0010	0.0033	<0.0010	0.0033	0.0014
06/07/19	0.0015	<0.0010	<0.0010	0.0028	<0.0010	0.0028	<0.0010
09/26/19	0.0136	<0.0010	<0.0010	0.0051	<0.0010	0.0051	0.0078
10/03/19	CA VIA MEME						
01/24/20	<0.0010	<0.0010	<0.0010	0.0016	<0.0010	0.0016	0.0030
05/21/20	0.0016	<0.0010	<0.0010	0.0039	<0.0010	0.0039	0.0017
09/03/20	0.002	<0.001	<0.001	0.010	<0.001	0.010	0.003
01/08/21	0.001	<0.001	<0.001	0.003	<0.001	0.003	0.001
05/07/21	<0.001	<0.001	<0.001	<0.001	<0.001	BDL	0.001
GRP SSTLs:	**0.0924**	**0.0231**	**4.62**	**3.24**	**46.2**	**-**	**0.0924**
Inhalation SSTLs:	**2,940**	**1.01**	**58.2**	**153**	**49.1**	**-**	**5.81**

Monitoring Point Data Summary Table

SITE NAME:	Highland Home Country Store			UST NUMBER:	08-12-08	WELL ID:	**MW-8**		
INSTALLATION DATE:	06/24/08	WELL DEPTH (FT BTOC):	15.0	SCREEN LENGTH (FT):	12.5	CASING ELEV (FT ABOVE MSL):	585.13	WELL TYPE: DIAMETER (IN):	II 2

Notes: BTOC (Below Top of Casing); MSL (Mean Sea Level); BDL (Below Detection Limit)

POTENTIOMETRIC ELEVATION SUMMARY

MEASUREMENT DATE	DEPTH TO WATER (FT BTOC)	ELEVATION (FT ABOVE MSL)	FREE PRODUCT THICKNESS (FT)	PCW GALLONS REMOVED
01/12/10	6.40	578.73	-	-
07/22/10	7.90	577.23	-	-
11/01/10	8.91	576.22	-	-
06/14/11	7.74	577.39	-	-
10/14/11	8.11	577.02	-	-
02/16/12	7.60	577.53	0.01	-
10/17/12	7.83	577.30	-	-
02/12/13	7.16	577.97	-	-
06/18/13	7.46	577.67	-	-
10/15/13	7.91	577.22	-	-
02/20/14	5.96	579.17	-	-
06/04/14	6.45	578.68	-	-
10/20/14	8.37	576.76	0.01	-
02/16/15	7.83	577.30	0.01	-
06/24/15	7.02	578.11	-	-
10/15/15	8.20	576.93	-	3.0
02/24/16	6.78	578.35	-	1.0
06/20/16	7.53	577.60	-	2.0
10/21/16	8.43	576.70	-	2.0
02/15/17	6.93	578.20	-	2.0
06/01/17	6.79	578.34	-	2.0
10/09/18	7.61	577.54	0.02	2.0
02/14/19	7.33	577.82	0.02	3.0
06/07/19	7.31	577.82	-	3.0
09/26/19	8.21	576.92	-	3.0
01/24/20	5.67	579.46	-	3.0
05/21/20	7.54	577.59	-	3.0
09/03/20	7.66	577.47	-	1.0
01/08/21	7.31	577.82	-	3.0
05/07/21	6.26	578.87	-	4.0

INTRINSIC GROUNDWATER DATA SUMMARY

SAMPLE DATE	DISSOLVED OXYGEN (mg/L)	pH	REDOX POTENTIAL (mV)
01/12/10	-	-	-
07/22/10	-	-	-
11/01/10	-	-	-
06/14/11	-	-	-
10/14/11	-	-	-
02/16/12	FREE PRODUCT (0.01 FT)		
10/17/12	-	-	-
02/12/13	-	-	-
06/18/13	-	-	-
10/15/13	-	-	-
02/20/14	-	-	-
06/04/14	-	-	-
10/20/14	FREE PRODUCT (0.01 FT)		
02/16/15	FREE PRODUCT (0.01 FT)		
06/24/15	-	-	-
10/15/15	-	-	-
02/24/16	-	-	-
06/20/16	-	-	-
10/21/16	-	-	-
02/15/17	-	-	-
06/01/17	-	-	-
10/09/18	FREE PRODUCT (0.02 FT)		
02/14/19	FREE PRODUCT (0.02 FT)		
06/07/19	-	-	-
09/26/19	2.88	6.1	127
01/24/20	2.23	5.7	69
05/21/20	2.34	5.9	101
09/03/20	2.54	5.8	82
01/08/21	1.92	5.4	44
05/07/21	1.91	5.7	54

Monitoring Point Data Summary Table

SITE NAME:	Highland Home Country Store			UST NUMBER:	08-12-08	WELL ID:	**MW-8**	
INSTALLATION DATE:	06/24/08	WELL DEPTH (FT BTOC):	15.0	SCREEN LENGTH (FT):	12.5	CASING ELEV (FT ABOVE MSL):	585.13	WELL TYPE: II DIAMETER (IN): 2

Notes: BTOC (Below Top of Casing); MSL (Mean Sea Level); BDL (Below Detection Limit)

GROUNDWATER ANALYTICAL SUMMARY (mg/L)

SAMPLE DATE	MTBE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES	TOTAL BTEX	NAPHTHALENE
07/22/10	**3.1209**	**2.7546**	0.1164	1.1562	2.1625	6.1897	**0.4989**
11/01/10	**3.2676**	**2.1458**	0.0508	0.9619	1.7379	4.8964	**0.4966**
06/14/11	**1.2341**	**3.7526**	0.1752	1.0249	2.7010	7.6537	**0.5242**
10/14/11	**0.8642**	**1.4020**	0.0382	0.9686	0.8630	3.2718	**0.4921**
02/16/12	**0.8162**	**1.5627**	0.0218	0.6580	0.3564	2.5989	**0.3620**
10/17/12	**0.2368**	**0.8751**	0.0137	0.9401	0.1828	2.0117	**0.3218**
02/12/13	**0.5671**	**1.6690**	0.0275	1.0134	0.5445	3.2544	**0.3178**
06/18/13	**0.2260**	**3.3673**	0.0251	1.1484	1.7807	6.3215	**0.4103**
10/15/13	**0.1714**	**1.9918**	<0.0250	1.2072	0.8195	4.0185	**0.6396**
02/20/14	**0.1756**	**3.0723**	0.0434	1.1720	1.2299	5.5176	**0.7120**
06/04/14	**0.1636**	**2.5420**	0.0430	1.0709	2.2995	5.9554	**0.5725**
10/20/14	**0.1753**	**1.4815**	<0.0250	0.9390	0.1178	2.5383	**0.3311**
02/16/15	**0.1852**	**1.1976**	0.0193	0.7262	0.3089	2.2520	**0.3553**
06/24/15	0.0887	**2.3189**	0.0308	0.7385	1.4021	4.4903	**0.3608**
10/15/15	**0.0965**	**1.2617**	<0.0200	0.7463	0.4414	2.4494	**0.3154**
02/24/16	0.0876	**2.4776**	0.0238	0.9959	0.8665	4.3638	**0.4168**
06/20/16	**0.1085**	**1.7478**	0.0155	0.9746	0.3212	3.0591	**0.4429**
10/21/16	0.0642	**0.7746**	<0.0125	0.7367	0.1170	1.6283	**0.3519**
02/15/17	**0.1109**	**0.8465**	<0.1000	0.3950	0.2256	1.4671	**0.3054**
06/01/17	0.0467	**1.1902**	<0.0100	0.4490	0.4044	2.0436	**0.2760**
10/09/18	0.0360	**0.6279**	<0.0100	0.4709	0.0790	1.1778	**0.1611**
02/14/19	0.0289	**0.9950**	0.0273	0.6041	0.1123	1.7387	**0.1604**
06/07/19	0.0314	**0.6324**	<0.0100	0.4861	0.0729	1.1914	**0.1765**
09/26/19	0.0224	**0.4972**	0.0037	0.4468	0.0211	0.9688	**0.1406**
10/03/19	CA VIA MEME						
01/24/20	0.0223	**1.0425**	0.0042	0.2484	0.0832	1.3784	0.0561
05/21/20	0.0226	**0.4843**	<0.0100	0.4354	0.0493	0.9690	**0.1416**
09/03/20	0.019	**0.205**	<0.005	0.478	0.026	0.709	**0.168**
01/08/21	0.014	**0.102**	<0.005	0.317	<0.005	0.419	**0.113**
05/07/21	0.010	**1.10**	0.005	0.694	0.078	1.877	**0.176**
GRP SSTLs:	**0.0936**	**0.0234**	**4.68**	**3.27**	**46.8**	-	**0.0936**
Inhalation SSTLs:	**2,940**	**1.01**	**58.2**	**153**	**49.1**	-	**5.81**

Monitoring Point Data Summary Table

SITE NAME:	Highland Home Country Store			UST NUMBER:	08-12-08	WELL ID:	**MW-9**		
INSTALLATION DATE:	06/24/08	WELL DEPTH (FT BTOC):	15.0	SCREEN LENGTH (FT):	12.5	CASING ELEV (FT ABOVE MSL):	583.82	WELL TYPE: DIAMETER (IN):	II 2

Notes: BTOC (Below Top of Casing); MSL (Mean Sea Level); BDL (Below Detection Limit)

POTENTIOMETRIC ELEVATION SUMMARY

MEASUREMENT DATE	DEPTH TO WATER (FT BTOC)	ELEVATION (FT ABOVE MSL)	FREE PRODUCT THICKNESS (FT)	PCW GALLONS REMOVED
01/12/10	9.61	574.21	-	-
07/22/10	11.07	572.75	-	-
11/01/10	13.49	570.33	-	-
06/14/11	11.70	572.12	-	-
10/14/11	11.96	571.86	-	-
02/16/12	10.90	572.92	-	-
10/17/12	11.34	572.48	-	-
02/12/13	10.16	573.66	-	-
06/18/13	10.54	573.28	-	-
10/15/13	11.60	572.22	-	-
02/20/14	9.55	574.27	-	-
06/04/14	9.50	574.32	-	-
10/20/14	12.65	571.17	-	-
02/16/15	10.96	572.86	-	-
06/24/15	9.25	574.57	-	-
10/15/15	11.97	571.85	-	1.0
02/24/16	7.13	576.69	-	1.0
06/20/16	10.45	573.37	-	1.0
10/21/16	12.19	571.63	-	1.0
02/15/17	10.00	573.82	-	1.0
06/01/17	9.34	574.48	-	2.0
10/09/18	9.71	574.11	-	1.0
02/14/19	10.00	573.82	-	1.0
06/07/19	9.95	573.87	-	2.0
09/26/19	11.19	572.63	-	1.5
01/24/20	7.94	575.88	-	3.0
05/21/20	10.24	573.58	-	2.0
09/03/20	9.74	574.08	-	1.0
01/08/21	8.48	575.34	-	2.0
05/07/21	5.92	577.90	-	4.0

INTRINSIC GROUNDWATER DATA SUMMARY

SAMPLE DATE	DISSOLVED OXYGEN (mg/L)	pH	REDOX POTENTIAL (mV)
01/12/10	2.24	5.9	135
07/22/10	-	-	-
11/01/10	-	-	-
06/14/11	-	-	-
10/14/11	-	-	-
02/16/12	-	-	-
10/17/12	-	-	-
02/12/13	1.29	5.5	123
06/18/13	0.72	5.7	-61
10/15/13	0.92	5.3	124
02/20/14	1.71	5.4	117
06/04/14	-	-	-
10/20/14	-	-	-
02/16/15	-	-	-
06/24/15	1.67	5.3	188
10/15/15	1.81	4.8	19
02/24/16	-	-	-
06/20/16	2.51	5.9	139
10/21/16	2.63	5.7	238
02/15/17	-	-	-
06/01/17	-	-	-
10/09/18	1.67	5.5	61
02/14/19	1.99	5.7	154
06/07/19	3.31	6.1	107
09/26/19	3.18	5.3	154
01/24/20	2.61	6.1	152
05/21/20	2.72	5.8	131
09/03/20	2.78	5.9	97
01/08/21	2.65	5.7	152
05/07/21	3.29	6.1	119

Monitoring Point Data Summary Table

SITE NAME:	Highland Home Country Store			UST NUMBER:	08-12-08	WELL ID:	**MW-9**	
INSTALLATION DATE:	06/24/08	WELL DEPTH (FT BTOC):	15.0	SCREEN LENGTH (FT):	12.5	CASING ELEV (FT ABOVE MSL):	583.82	WELL TYPE: II DIAMETER (IN): 2

Notes: BTOC (Below Top of Casing); MSL (Mean Sea Level); BDL (Below Detection Limit)

GROUNDWATER ANALYTICAL SUMMARY (mg/L)

SAMPLE DATE	MTBE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES	TOTAL BTEX	NAPHTHALENE
01/12/10	0.3614	0.0400	<0.0020	0.0040	<0.0020	0.0440	0.0056
07/22/10	0.1246	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
11/01/10	0.2867	0.0176	<0.0010	<0.0010	0.0026	0.0202	0.0029
06/14/11	NOT SAMPLED						
10/14/11	0.1670	0.0380	<0.0010	<0.0010	0.0017	0.0397	0.0044
02/16/12	NOT SAMPLED						
10/17/12	0.0557	0.0210	0.0012	0.0021	0.0068	0.0311	0.0407
02/12/13	0.0920	0.0213	<0.0010	0.0013	<0.0010	0.0226	0.0060
06/18/13	0.0787	0.0154	<0.0010	0.0011	<0.0010	0.0165	0.0040
10/15/13	0.0709	0.0160	<0.0010	0.0011	<0.0010	0.0171	0.0028
02/20/14	0.0253	0.0132	<0.0010	0.0022	<0.0010	0.0154	<0.0010
06/04/14	0.0063	0.0079	<0.0010	0.0032	<0.0010	0.0111	0.0069
10/20/14	0.0629	0.0091	<0.0010	<0.0010	<0.0010	0.0091	<0.0010
02/16/15	0.0422	0.0134	<0.0010	0.0010	<0.0010	0.0144	0.0020
06/24/15	0.0030	0.0053	0.0017	0.0062	0.0498	0.0630	0.0299
10/15/15	0.0345	0.0126	<0.0010	<0.0010	<0.0010	0.0126	0.0019
02/24/16	<0.0010	<0.0010	0.0075	0.0037	0.0441	0.0553	0.0178
06/20/16	0.0011	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
10/21/16	0.0214	0.0018	<0.0010	<0.0010	<0.0010	0.0018	0.0106
02/15/17	0.0064	0.0039	<0.0010	<0.0010	<0.0010	0.0039	<0.0010
06/01/17	<0.0100	0.0114	0.2744	0.1453	1.3358	1.7669	0.2026
10/09/18	0.0011	<0.0010	0.0015	0.0018	0.0150	0.0183	0.0173
02/14/19	0.0016	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
06/07/19	0.0014	0.0016	<0.0010	<0.0010	0.0047	0.0063	0.0200
09/26/19	0.0012	0.0011	<0.0010	<0.0010	<0.0010	0.0011	0.0062
10/03/19	CA VIA MEME						
01/24/20	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
05/21/20	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
09/03/20	<0.001	<0.001	<0.001	<0.001	<0.001	BDL	<0.001
01/08/21	<0.001	<0.001	<0.001	<0.001	<0.001	BDL	<0.001
05/07/21	<0.001	<0.001	<0.001	<0.001	<0.001	BDL	0.002
Inhalation SSTLs:	**2,940**	**1.01**	**58.2**	**153**	**49.1**	**-**	**5.81**

Monitoring Point Data Summary Table

SITE NAME:	Highland Home Country Store			UST NUMBER:	08-12-08	WELL ID:	**MW-10**		
INSTALLATION DATE:	06/24/08	WELL DEPTH (FT BTOC):	15.0	SCREEN LENGTH (FT):	12.5	CASING ELEV (FT ABOVE MSL):	583.80	WELL TYPE: DIAMETER (IN):	II 2

Notes: BTOC (Below Top of Casing); MSL (Mean Sea Level); BDL (Below Detection Limit)

POTENTIOMETRIC ELEVATION SUMMARY

MEASUREMENT DATE	DEPTH TO WATER (FT BTOC)	ELEVATION (FT ABOVE MSL)	FREE PRODUCT THICKNESS (FT)	PCW GALLONS REMOVED
01/12/10	8.64	575.16	-	-
07/22/10	9.94	573.86	-	-
11/01/10	10.98	572.82	-	-
06/14/11	10.08	573.72	-	-
10/14/11	10.26	573.54	-	-
02/16/12	9.63	574.17	-	-
10/17/12	10.05	573.75	-	-
02/12/13	8.68	575.12	-	-
06/18/13	9.94	573.86	-	-
10/15/13	10.28	573.52	-	-
02/20/14	8.68	575.12	-	-
06/04/14	8.72	575.08	-	-
10/20/14	10.83	572.97	-	-
02/16/15	9.74	574.06	-	-
06/24/15	9.47	574.33	-	-
10/15/15	10.33	573.47	-	2.0
02/24/16	9.09	574.71	-	1.0
06/20/16	9.76	574.04	-	1.0
10/21/16	10.65	573.15	-	1.0
02/15/17	8.52	575.28	-	2.0
06/01/17	8.84	574.96	-	1.0
10/09/18	9.21	574.59	-	2.0
02/14/19	9.32	574.48	-	2.0
06/07/19	9.46	574.34	-	2.0
09/26/19	10.11	573.69	-	2.0
01/24/20	7.35	576.45	-	3.0
05/21/20	9.62	574.18	-	2.0
09/03/20	9.34	574.46	-	1.0
01/08/21	8.07	575.73	-	3.0
05/07/21	8.21	575.59	-	3.0

INTRINSIC GROUNDWATER DATA SUMMARY

SAMPLE DATE	DISSOLVED OXYGEN (mg/L)	pH	REDOX POTENTIAL (mV)
01/12/10	1.52	5.7	155
07/22/10	-	-	-
11/01/10	-	-	-
06/14/11	-	-	-
10/14/11	-	-	-
02/16/12	-	-	-
10/17/12	2.64	4.8	186
02/12/13	1.80	4.0	258
06/18/13	0.70	4.0	194
10/15/13	1.27	5.6	141
02/20/14	1.73	3.5	289
06/04/14	1.52	4.3	183
10/20/14	2.04	5.2	243
02/16/15	1.87	5.8	118
06/24/15	1.39	5.5	192
10/15/15	2.17	4.6	17
02/24/16	1.78	5.6	124
06/20/16	2.60	5.7	154
10/21/16	2.44	6.0	189
02/15/17	-	-	-
06/01/17	-	-	-
10/09/18	1.94	6.0	127
02/14/19	3.16	5.8	131
06/07/19	3.72	6.1	169
09/26/19	2.60	6.1	141
01/24/20	2.47	6.0	126
05/21/20	3.47	6.1	152
09/03/20	2.97	5.8	131
01/08/21	2.46	5.7	92
05/07/21	2.83	6.0	146

Monitoring Point Data Summary Table

SITE NAME:	Highland Home Country Store			UST NUMBER:	08-12-08	WELL ID:	**MW-10**	
INSTALLATION DATE:	06/24/08	WELL DEPTH (FT BTOC):	15.0	SCREEN LENGTH (FT):	12.5	CASING ELEV (FT ABOVE MSL):	583.80	WELL TYPE: DIAMETER (IN):	II 2

Notes: BTOC (Below Top of Casing); MSL (Mean Sea Level); BDL (Below Detection Limit)

GROUNDWATER ANALYTICAL SUMMARY (mg/L)

SAMPLE DATE	MTBE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES	TOTAL BTEX	NAPHTHALENE
01/12/10	0.1446	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
07/22/10	0.1583	0.0248	<0.0010	<0.0010	<0.0010	0.0248	0.0034
11/01/10	0.1162	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
06/14/11	NOT SAMPLED						
10/14/11	0.1121	<0.0010	<0.0010	<0.0010	<0.0010	BDL	0.0015
02/16/12	NOT SAMPLED						
10/17/12	0.1303	0.0017	<0.0010	<0.0010	<0.0010	0.0017	0.0053
02/12/13	0.1328	0.0012	<0.0010	<0.0010	<0.0010	0.0012	0.0018
06/18/13	0.1379	0.0018	<0.0010	<0.0010	<0.0010	0.0018	0.0029
10/15/13	0.0947	0.0021	<0.0010	<0.0010	<0.0010	0.0021	0.0043
02/20/14	0.0757	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
06/04/14	0.0613	<0.0010	<0.0010	<0.0010	<0.0010	BDL	0.0018
10/20/14	0.0715	<0.0010	<0.0010	<0.0010	<0.0010	BDL	0.0029
02/16/15	0.0595	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
06/24/15	0.0410	<0.0010	<0.0010	<0.0010	<0.0010	BDL	0.0018
10/15/15	0.0381	<0.0010	<0.0010	<0.0010	<0.0010	BDL	0.0015
02/24/16	0.0358	<0.0010	<0.0010	<0.0010	0.0033	0.0033	0.0069
06/20/16	0.0301	<0.0010	<0.0010	<0.0010	<0.0010	BDL	0.0039
10/21/16	0.0253	<0.0010	<0.0010	<0.0010	0.0014	0.0014	0.0040
02/15/17	0.0290	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
06/01/17	0.0173	<0.0010	0.0027	0.0011	0.0093	0.0131	0.0051
10/09/18	0.0111	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
02/14/19	0.0038	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
06/07/19	0.0056	<0.0010	<0.0010	<0.0010	<0.0010	BDL	0.0010
09/26/19	0.0084	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
10/03/19	CA VIA MEME						
01/24/20	0.0023	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
05/21/20	0.0059	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
09/03/20	0.006	<0.001	<0.001	<0.001	<0.001	BDL	<0.001
01/08/21	0.002	<0.001	<0.001	<0.001	<0.001	BDL	<0.001
05/07/21	<0.001	<0.001	<0.001	<0.001	<0.001	BDL	<0.001
Inhalation SSTLs:	**2,940**	**1.01**	**58.2**	**153**	**49.1**	**-**	**5.81**

Monitoring Point Data Summary Table

SITE NAME:	Highland Home Country Store			UST NUMBER:	08-12-08	WELL ID:	**MW-11**		
INSTALLATION DATE:	06/24/08	WELL DEPTH (FT BTOC):	15.5	SCREEN LENGTH (FT):	12.5	CASING ELEV (FT ABOVE MSL):	585.44	WELL TYPE: DIAMETER (IN):	II 2

Notes: BTOC (Below Top of Casing); MSL (Mean Sea Level); BDL (Below Detection Limit)

POTENTIOMETRIC ELEVATION SUMMARY

MEASUREMENT DATE	DEPTH TO WATER (FT BTOC)	ELEVATION (FT ABOVE MSL)	FREE PRODUCT THICKNESS (FT)	PCW GALLONS REMOVED
01/12/10	6.68	578.76	-	-
07/22/10	7.80	577.64	-	-
11/01/10	10.97	574.47	-	-
06/14/11	9.37	576.07	-	-
10/14/11	9.75	575.69	-	-
02/16/12	2.61	582.83	-	-
10/17/12	8.95	576.49	-	-
02/12/13	2.31	583.13	-	-
06/18/13	5.50	579.94	-	-
10/15/13	8.67	576.77	-	-
02/20/14	2.40	583.04	-	-
06/04/14	2.59	582.85	-	-
10/20/14	4.69	580.75	-	-
02/16/15	5.22	580.22	-	-
06/24/15	4.91	580.53	-	-
10/15/15	5.60	579.84	-	5.0
02/24/16	2.45	582.99	-	1.0
06/20/16	2.77	582.67	-	5.0
10/21/16	9.81	575.63	-	2.0
02/15/17	2.35	583.09	-	3.0
06/01/17	2.54	582.90	-	4.0
10/09/18	2.69	582.75	-	4.0
02/14/19	2.73	582.71	-	5.0
06/07/19	2.79	582.65	-	4.0
09/26/19	9.13	576.31	-	2.5
01/24/20	2.12	583.32	-	5.0
05/21/20	6.26	579.18	-	3.0
09/03/20	2.71	582.73	-	3.0
01/08/21	2.26	583.18	-	5.0
05/07/21	2.24	583.20	-	5.0

INTRINSIC GROUNDWATER DATA SUMMARY

SAMPLE DATE	DISSOLVED OXYGEN (mg/L)	pH	REDOX POTENTIAL (mV)
01/12/10	1.82	5.8	228
07/22/10	-	-	-
11/01/10	-	-	-
06/14/11	-	-	-
10/14/11	-	-	-
02/16/12	2.49	5.9	222
10/17/12	1.32	5.7	-5
02/12/13	1.34	6.1	143
06/18/13	0.98	6.3	43
10/15/13	1.80	6.0	-34
02/20/14	1.56	5.7	153
06/04/14	1.66	6.4	-20
10/20/14	1.30	5.5	142
02/16/15	2.66	5.5	194
06/24/15	2.62	6.2	151
10/15/15	1.87	5.3	138
02/24/16	1.44	5.8	119
06/20/16	3.47	5.7	186
10/21/16	2.57	5.8	164
02/15/17	3.41	6.2	193
06/01/17	2.98	6.2	170
10/09/18	2.33	6.0	159
02/14/19	1.56	6.0	-9
06/07/19	3.44	5.8	133
09/26/19	3.47	6.6	19
01/24/20	2.87	6.2	171
05/21/20	3.22	6.2	143
09/03/20	3.57	6.0	117
01/08/21	2.87	5.6	122
05/07/21	3.56	6.2	181

Monitoring Point Data Summary Table

SITE NAME:	Highland Home Country Store			UST NUMBER:	08-12-08	WELL ID:	**MW-11**	
INSTALLATION DATE:	06/24/08	WELL DEPTH (FT BTOC):	15.5	SCREEN LENGTH (FT):	12.5	CASING ELEV (FT ABOVE MSL):	585.44	WELL TYPE: II DIAMETER (IN): 2

Notes: BTOC (Below Top of Casing); MSL (Mean Sea Level); BDL (Below Detection Limit)

GROUNDWATER ANALYTICAL SUMMARY (mg/L)

SAMPLE DATE	MTBE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES	TOTAL BTEX	NAPHTHALENE
01/12/10	0.1273	0.0211	<0.0010	0.0125	0.0025	0.0361	0.0245
07/22/10	0.0767	0.0457	<0.0010	0.0069	<0.0010	0.0526	0.0017
11/01/10	0.0694	0.0218	<0.0010	<0.0010	<0.0010	0.0218	0.0017
06/14/11	0.0132	0.0249	<0.0010	0.0062	<0.0010	0.0311	0.0056
10/14/11	NOT SAMPLED						
02/16/12	0.0048	0.0090	<0.0010	<0.0010	0.0020	0.0110	0.0213
10/17/12	0.0055	0.0154	<0.0010	<0.0010	<0.0010	0.0154	0.0019
02/12/13	<0.0010	0.0032	<0.0010	<0.0010	0.0013	0.0045	0.0028
06/18/13	0.0049	0.0152	<0.0010	<0.0010	<0.0010	0.0152	<0.0010
10/15/13	0.0042	0.0179	<0.0010	<0.0010	<0.0010	0.0179	<0.0010
02/20/14	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	0.0011
06/04/14	0.0011	0.0020	<0.0010	<0.0010	<0.0010	0.0020	<0.0010
10/20/14	0.0015	0.0015	<0.0010	<0.0010	<0.0010	0.0015	<0.0010
02/16/15	<0.0010	0.0019	<0.0010	<0.0010	<0.0010	0.0019	0.0010
06/24/15	0.0018	0.0014	<0.0010	<0.0010	<0.0010	0.0014	<0.0010
10/15/15	0.0024	0.0052	<0.0010	<0.0010	<0.0010	0.0052	0.0037
02/24/16	<0.0010	0.0020	0.0073	0.0063	0.0776	0.0932	0.0302
06/20/16	<0.0010	0.0038	<0.0010	<0.0010	0.0014	0.0052	<0.0010
10/21/16	0.0011	<0.0010	<0.0010	<0.0010	<0.0010	BDL	0.0025
02/15/17	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
06/01/17	<0.0010	<0.0010	<0.0010	<0.0010	0.0012	0.0012	<0.0010
10/09/18	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
02/14/19	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
06/07/19	<0.0010	<0.0010	<0.0010	<0.0010	0.0010	0.0010	0.0103
09/26/19	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	0.0032
10/03/19	CA VIA MEME						
01/24/20	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
05/21/20	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
09/03/20	<0.001	<0.001	<0.001	<0.001	<0.001	BDL	0.001
01/08/21	<0.001	<0.001	<0.001	<0.001	<0.001	BDL	<0.001
05/07/21	<0.001	<0.001	<0.001	<0.001	<0.001	BDL	0.005
Inhalation SSTLs:	**2,940**	**1.01**	**58.2**	**153**	**49.1**	**-**	**5.81**

Monitoring Point Data Summary Table

SITE NAME:	Highland Home Country Store			UST NUMBER:	08-12-08	WELL ID:	**MW-12**		
INSTALLATION DATE:	03/10/09	WELL DEPTH (FT BTOC):	14.5	SCREEN LENGTH (FT):	10	CASING ELEV (FT ABOVE MSL):	583.82	WELL TYPE: DIAMETER (IN):	II 2

Notes: BTOC (Below Top of Casing); MSL (Mean Sea Level); BDL (Below Detection Limit)

POTENTIOMETRIC ELEVATION SUMMARY

MEASUREMENT DATE	DEPTH TO WATER (FT BTOC)	ELEVATION (FT ABOVE MSL)	FREE PRODUCT THICKNESS (FT)	PCW GALLONS REMOVED
03/23/09	5.02	578.80	-	-
07/13/09	7.95	575.87	-	-
11/03/09	5.93	577.89	-	-
01/12/10	6.01	577.81	-	-
07/22/10	8.38	575.44	-	-
11/01/10	9.66	574.16	-	-
06/14/11	8.93	574.89	-	-
10/14/11	9.14	574.68	-	-
02/16/12	5.35	578.47	-	-
10/17/12	8.34	575.48	-	-
02/12/13	1.82	582.00	-	-
06/18/13	6.22	577.60	-	-
10/15/13	DESTROYED			

INTRINSIC GROUNDWATER DATA SUMMARY

SAMPLE DATE	DISSOLVED OXYGEN (mg/L)	pH	REDOX POTENTIAL (mV)
03/23/09	1.40	6.0	110
07/13/09	-	-	-
11/03/09	-	-	-
01/12/10	2.05	6.0	185
07/22/10	-	-	-
11/01/10	-	-	-
06/14/11	-	-	-
10/14/11	-	-	-
02/16/12	-	-	-
10/17/12	2.27	5.4	263
02/12/13	2.22	5.4	185
06/18/13	1.36	5.4	164
10/15/13	DESTROYED		

Monitoring Point Data Summary Table

SITE NAME:	Highland Home Country Store			UST NUMBER:	08-12-08	WELL ID:	**MW-12**	
INSTALLATION DATE:	03/10/09	WELL DEPTH (FT BTOC):	14.5	SCREEN LENGTH (FT):	10	CASING ELEV (FT ABOVE MSL):	583.82	WELL TYPE: DIAMETER (IN):	II 2

Notes: BTOC (Below Top of Casing); MSL (Mean Sea Level); BDL (Below Detection Limit)

GROUNDWATER ANALYTICAL SUMMARY (mg/L)

SAMPLE DATE	MTBE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES	TOTAL BTEX	NAPHTHALENE
03/23/09	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	0.0047
07/13/09	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
11/03/09	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
01/12/10	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
07/22/10	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
11/01/10	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
06/14/11	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
10/14/11	NOT SAMPLED						
02/16/12	NOT SAMPLED						
10/17/12	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
02/12/13	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
06/18/13	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
10/15/13	DESTROYED						
Inhalation SSTLs:	**2,940**	**1.01**	**58.2**	**153**	**49.1**	**-**	**5.81**

Monitoring Point Data Summary Table

SITE NAME:	Highland Home Country Store			UST NUMBER:	08-12-08	WELL ID:	**MW-13**		
INSTALLATION DATE:	03/10/09	WELL DEPTH (FT BTOC):	15.0	SCREEN LENGTH (FT):	10	CASING ELEV (FT ABOVE MSL):	585.46	WELL TYPE: DIAMETER (IN):	II 2

Notes: BTOC (Below Top of Casing); MSL (Mean Sea Level); BDL (Below Detection Limit)

POTENTIOMETRIC ELEVATION SUMMARY

MEASUREMENT DATE	DEPTH TO WATER (FT BTOC)	ELEVATION (FT ABOVE MSL)	FREE PRODUCT THICKNESS (FT)	PCW GALLONS REMOVED
01/12/10	5.71	579.75	-	-
07/22/10	7.55	577.91	-	-
11/01/10	12.21	573.25	-	-
06/14/11	7.80	577.66	-	-
10/14/11	8.21	577.25	-	-
02/16/12	5.85	579.61	-	-
10/17/12	7.44	578.02	-	-
02/12/13	4.21	581.25	-	-
06/18/13	6.69	578.77	-	-
10/15/13	7.51	577.95	-	-
02/20/14	4.74	580.72	-	-
06/04/14	4.86	580.60	-	-
10/20/14	8.60	576.86	-	-
02/16/15	6.73	578.73	-	-
06/24/15	6.42	579.04	-	-
10/15/15	8.22	577.24	-	3.0
02/24/16	7.65	577.81	-	1.0
06/20/16	6.91	578.55	-	2.0
10/21/16	11.05	574.41	-	1.0
02/15/17	5.32	580.14	-	2.0
06/01/17	5.45	580.01	-	3.0
10/09/18	6.37	579.09	-	3.0
02/14/19	5.67	579.79	-	4.0
06/07/19	6.59	578.87	-	3.0
09/26/19	8.16	577.30	-	3.0
01/24/20	3.33	582.13	-	5.0
05/21/20	6.56	578.90	-	3.0
09/03/20	6.98	578.48	-	2.0
01/08/21	5.09	580.37	-	4.0
05/07/21	4.02	581.44	-	5.0

INTRINSIC GROUNDWATER DATA SUMMARY

SAMPLE DATE	DISSOLVED OXYGEN (mg/L)	pH	REDOX POTENTIAL (mV)
01/12/10	1.63	5.7	172
07/22/10	-	-	-
11/01/10	-	-	-
06/14/11	-	-	-
10/14/11	-	-	-
02/16/12	-	-	-
10/17/12	2.49	5.3	228
02/12/13	1.98	5.3	183
06/18/13	1.16	4.6	201
10/15/13	1.44	5.6	228
02/20/14	2.40	3.9	233
06/04/14	1.85	6.2	195
10/20/14	1.19	5.8	128
02/16/15	2.52	5.1	148
06/24/15	2.42	6.0	131
10/15/15	2.74	5.9	136
02/24/16	2.52	5.5	210
06/20/16	2.86	6.0	134
10/21/16	2.88	5.9	180
02/15/17	2.54	5.7	138
06/01/17	2.56	5.8	140
10/09/18	2.64	5.6	142
03/23/09	1.86	5.6	167
06/07/19	2.81	5.9	156
09/26/19	2.86	5.6	157
01/24/20	3.48	6.1	167
05/21/20	2.51	6.0	81
09/03/20	2.37	6.0	59
01/08/21	3.04	5.7	136
05/07/21	2.77	5.8	139

Monitoring Point Data Summary Table

SITE NAME:	Highland Home Country Store			UST NUMBER:	08-12-08	WELL ID:	**MW-13**	
INSTALLATION DATE:	03/10/09	WELL DEPTH (FT BTOC):	15.0	SCREEN LENGTH (FT):	10	CASING ELEV (FT ABOVE MSL):	585.46	WELL TYPE: II DIAMETER (IN): 2

Notes: BTOC (Below Top of Casing); MSL (Mean Sea Level); BDL (Below Detection Limit)

GROUNDWATER ANALYTICAL SUMMARY (mg/L)

SAMPLE DATE	MTBE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES	TOTAL BTEX	NAPHTHALENE
01/12/10	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
07/22/10	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
11/01/10	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
06/14/11	NOT SAMPLED						
10/14/11	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
02/16/12	NOT SAMPLED						
10/17/12	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
02/12/13	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
06/18/13	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
10/15/13	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
02/20/14	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
06/04/14	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
10/20/14	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
02/16/15	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
06/24/15	<0.0010	<0.0010	<0.0010	<0.0010	0.0025	0.0025	0.0069
10/15/15	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
02/24/16	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
06/20/16	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
10/21/16	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	0.0013
02/15/17	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
06/01/17	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
10/09/18	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
02/14/19	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
06/07/19	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
09/26/19	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
10/03/19	CA VIA MEME						
01/24/20	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
05/21/20	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
09/03/20	<0.001	<0.001	<0.001	<0.001	<0.001	BDL	<0.001
01/08/21	<0.001	<0.001	<0.001	<0.001	<0.001	BDL	<0.001
05/07/21	<0.001	<0.001	<0.001	<0.001	<0.001	BDL	<0.001
Inhalation SSTLs:	**2,940**	**1.01**	**58.2**	**153**	**49.1**	**-**	**5.81**

Monitoring Point Data Summary Table

SITE NAME:	Highland Home Country Store			UST NUMBER:	08-12-08	WELL ID:	**MW-14**		
INSTALLATION DATE:	03/10/09	WELL DEPTH (FT BTOC):	15.0	SCREEN LENGTH (FT):	10	CASING ELEV (FT ABOVE MSL):	585.36	WELL TYPE: DIAMETER (IN):	II 2

Notes: BTOC (Below Top of Casing); MSL (Mean Sea Level); BDL (Below Detection Limit)

POTENTIOMETRIC ELEVATION SUMMARY

MEASUREMENT DATE	DEPTH TO WATER (FT BTOC)	ELEVATION (FT ABOVE MSL)	FREE PRODUCT THICKNESS (FT)	PCW GALLONS REMOVED
01/12/10	7.00	578.36	-	-
07/22/10	9.38	575.98	-	-
11/01/10	11.44	573.92	-	-
06/14/11	8.23	577.13	-	-
10/14/11	10.55	574.81	-	-
02/16/12	7.71	577.65	-	-
10/17/12	9.50	575.86	-	-
02/12/13	5.36	580.00	-	-
06/18/13	7.76	577.60	-	-
10/15/13	8.63	576.73	-	-
02/20/14	6.36	579.00	-	-
06/04/14	7.04	578.32	-	-
10/20/14	11.22	574.14	-	-
02/16/15	7.64	577.72	-	-
06/24/15	7.45	577.91	-	-
10/15/15	11.00	574.36	-	2.0
02/24/16	9.46	575.90	-	1.0
06/20/16	7.80	577.56	-	2.0
10/21/16	11.22	574.14	-	1.0
02/15/17	7.12	578.24	-	2.0
06/01/17	7.14	578.22	-	2.0
10/09/18	7.81	577.55	-	2.0
02/14/19	7.21	578.15	-	3.0
06/07/19	7.56	577.80	-	3.0
09/26/19	11.13	574.23	-	1.5
01/24/20	5.09	580.27	-	4.0
05/21/20	7.98	577.38	-	3.0
09/03/20	8.02	577.34	-	2.0
01/08/21	6.89	578.47	-	3.0
05/07/21	6.74	578.62	-	3.0

INTRINSIC GROUNDWATER DATA SUMMARY

SAMPLE DATE	DISSOLVED OXYGEN (mg/L)	pH	REDOX POTENTIAL (mV)
01/12/10	1.93	5.9	189
07/22/10	-	-	-
11/01/10	-	-	-
06/14/11	-	-	-
10/14/11	-	-	-
02/16/12	-	-	-
10/17/12	3.30	5.5	165
02/12/13	1.75	5.5	186
06/18/13	0.68	5.3	136
10/15/13	1.61	5.4	265
02/20/14	2.58	4.5	206
06/04/14	1.36	5.1	180
10/20/14	1.81	5.6	167
02/16/15	2.91	5.3	171
06/24/15	1.54	5.6	160
10/15/15	1.98	5.7	155
02/24/16	1.97	5.9	148
06/20/16	2.67	5.8	161
10/21/16	3.51	6.2	252
02/15/17	2.97	5.9	151
06/01/17	2.31	5.7	109
10/09/18	3.48	5.9	149
02/14/19	2.71	5.7	132
06/07/19	2.49	5.7	101
09/26/19	2.67	5.5	112
01/24/20	3.21	6.1	149
05/21/20	2.72	6.1	59
09/03/20	2.50	5.6	108
01/08/21	2.76	5.8	118
05/07/21	2.37	5.9	107

Monitoring Point Data Summary Table

SITE NAME:	Highland Home Country Store			UST NUMBER:	08-12-08	WELL ID:	**MW-14**	
INSTALLATION DATE:	03/10/09	WELL DEPTH (FT BTOC):	15.0	SCREEN LENGTH (FT):	10	CASING ELEV (FT ABOVE MSL):	585.36	WELL TYPE: II DIAMETER (IN): 2

Notes: BTOC (Below Top of Casing); MSL (Mean Sea Level); BDL (Below Detection Limit)

GROUNDWATER ANALYTICAL SUMMARY (mg/L)

SAMPLE DATE	MTBE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES	TOTAL BTEX	NAPHTHALENE
01/12/10	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
07/22/10	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
11/01/10	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
06/14/11	NOT SAMPLED						
10/14/11	0.0071	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
02/16/12	NOT SAMPLED						
10/17/12	0.0094	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
02/12/13	0.0013	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
06/18/13	0.0037	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
10/15/13	0.0033	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
02/20/14	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
06/04/14	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
10/20/14	0.0016	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
02/16/15	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
06/24/15	0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	0.0011
10/15/15	0.0013	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
02/24/16	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
06/20/16	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
10/21/16	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
02/15/17	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	0.0014
06/01/17	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
10/09/18	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
02/14/19	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
06/07/19	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
09/26/19	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
10/03/19	CA VIA MEME						
01/24/20	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
05/21/20	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
09/03/20	<0.001	<0.001	<0.001	<0.001	<0.001	BDL	<0.001
01/08/21	<0.001	<0.001	<0.001	<0.001	<0.001	BDL	<0.001
05/07/21	<0.001	<0.001	<0.001	<0.001	<0.001	BDL	<0.001
Inhalation SSTLs:	**2,940**	**1.01**	**58.2**	**153**	**49.1**	**-**	**5.81**

Monitoring Point Data Summary Table

SITE NAME:	Highland Home Country Store			UST NUMBER:	08-12-08	WELL ID:	**MW-15**		
INSTALLATION DATE:	03/11/09	WELL DEPTH (FT BTOC):	14.9	SCREEN LENGTH (FT):	10	CASING ELEV (FT ABOVE MSL):	579.46	WELL TYPE: DIAMETER (IN):	II 2

Notes: BTOC (Below Top of Casing); MSL (Mean Sea Level); BDL (Below Detection Limit)

POTENTIOMETRIC ELEVATION SUMMARY

MEASUREMENT DATE	DEPTH TO WATER (FT BTOC)	ELEVATION (FT ABOVE MSL)	FREE PRODUCT THICKNESS (FT)	PCW GALLONS REMOVED
01/12/10	9.95	569.51	-	-
07/22/10	12.00	567.46	-	-
11/01/10	11.02	568.44	-	-
06/14/11	13.78	565.68	-	-
10/14/11	13.74	565.72	-	-
02/16/12	8.66	570.80	-	-
10/17/12	13.30	566.16	-	-
02/12/13	3.12	576.34	-	-
06/18/13	11.71	567.75	-	-
10/15/13	13.55	565.91	-	-
02/20/14	7.55	571.91	-	-
06/04/14	8.53	570.93	-	-
10/20/14	12.52	566.94	-	-
02/16/15	13.68	565.78	-	-
06/24/15	12.14	567.32	-	-
10/15/15	12.40	567.06	-	1.0
02/24/16	4.80	574.66	-	1.0
06/20/16	10.16	569.30	-	1.0
10/21/16	DRY			
02/15/17	9.42	570.04	-	1.0
06/01/17	10.28	569.18	-	1.0
10/09/18	10.72	568.74	-	1.0
02/14/19	9.40	570.06	-	2.0
06/07/19	11.59	567.87	-	1.0
09/26/19	14.10	565.36	-	1.0
01/24/20	3.23	576.23	-	5.0
05/21/20	11.88	567.58	-	1.0
09/03/20	8.32	571.14	-	2.0
01/08/21	9.16	570.30	-	2.0
05/07/21	8.02	571.44	-	2.0

INTRINSIC GROUNDWATER DATA SUMMARY

SAMPLE DATE	DISSOLVED OXYGEN (mg/L)	pH	REDOX POTENTIAL (mV)
01/12/10	1.57	5.8	133
07/22/10	-	-	-
11/01/10	-	-	-
06/14/11	-	-	-
10/14/11	-	-	-
02/16/12	1.98	6.3	155
10/17/12	1.83	5.8	252
02/12/13	2.53	5.0	154
06/18/13	1.12	4.3	134
10/15/13	1.46	5.8	198
02/20/14	3.81	4.9	236
06/04/14	2.85	5.0	171
10/20/14	1.55	5.9	158
02/16/15	-	-	-
06/24/15	1.76	6.3	142
10/15/15	2.02	5.1	24
02/24/16	1.88	6.0	151
06/20/16	3.81	6.1	129
10/21/16	DRY		
02/15/17	2.62	5.9	159
06/01/17			
10/09/18	2.43	6.1	121
02/14/19	3.38	5.8	217
06/07/19	6.01	5.8	249
09/26/19	3.81	6.0	196
01/24/20	3.56	6.1	169
05/21/20	3.42	5.8	222
09/03/20	2.96	5.9	118
01/08/21	2.93	5.8	109
05/07/21	2.69	5.7	124

Monitoring Point Data Summary Table

SITE NAME:	Highland Home Country Store			UST NUMBER:	08-12-08	WELL ID:	**MW-15**	
INSTALLATION DATE:	03/11/09	WELL DEPTH (FT BTOC):	14.9	SCREEN LENGTH (FT):	10	CASING ELEV (FT ABOVE MSL):	579.46	WELL TYPE: II DIAMETER (IN): 2

Notes: BTOC (Below Top of Casing); MSL (Mean Sea Level); BDL (Below Detection Limit)

GROUNDWATER ANALYTICAL SUMMARY (mg/L)

SAMPLE DATE	MTBE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES	TOTAL BTEX	NAPHTHALENE
11/01/10	0.0054	0.0014	<0.0010	<0.0010	0.0028	0.0042	0.0015
06/14/11	0.0851	<0.0010	<0.0010	<0.0010	0.0044	0.0044	<0.0010
10/14/11	0.0099	0.0030	<0.0010	0.0115	0.0146	0.0291	0.0039
02/16/12	0.0203	0.0011	<0.0010	0.0099	0.0118	0.0228	0.0012
10/17/12	0.0043	<0.0010	<0.0010	0.0015	<0.0010	0.0015	<0.0010
02/12/13	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
06/18/13	0.0193	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
10/15/13	0.0014	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
02/20/14	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
06/04/14	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
10/20/14	0.0015	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
02/16/15	0.0012	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
06/24/15	0.0012	<0.0010	<0.0010	<0.0010	0.0013	0.0013	<0.0010
10/15/15	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
02/24/16	<0.0010	<0.0010	<0.0010	<0.0010	0.0075	0.0075	0.0037
06/20/16	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
10/21/16	NOT SAMPLED (DRY)						
02/15/17	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
06/01/17	<0.0010	<0.0010	<0.0010	<0.0010	0.0038	0.0038	0.0016
10/09/18	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
02/14/19	<0.0010	<0.0010	<0.0010	0.0015	<0.0010	0.0015	0.0012
06/07/19	0.0024	<0.0010	<0.0010	0.0066	<0.0010	0.0066	0.0030
09/26/19	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
10/03/19	CA VIA MEME						
01/24/20	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
05/21/20	<0.0010	<0.0010	<0.0010	0.0041	<0.0010	0.0041	0.0030
09/03/20	<0.001	<0.001	<0.001	<0.001	<0.001	BDL	<0.001
01/08/21	<0.001	<0.001	<0.001	<0.001	<0.001	BDL	<0.001
05/07/21	<0.001	<0.001	<0.001	<0.001	<0.001	BDL	<0.001
GRP SSTLs:	**0.0924**	**0.0231**	**4.62**	**3.24**	**46.2**	**-**	**0.0924**
Inhalation SSTLs:	**3,400**	**1.12**	**64**	**168**	**54.2**	**-**	**6.75**

Monitoring Point Data Summary Table

SITE NAME:	Highland Home Country Store			UST NUMBER:	08-12-08	WELL ID:	**MW-16**		
INSTALLATION DATE:	03/11/09	WELL DEPTH (FT BTOC):	15.0	SCREEN LENGTH (FT):	10	CASING ELEV (FT ABOVE MSL):	576.34	WELL TYPE: DIAMETER (IN):	II 2

Notes: BTOC (Below Top of Casing); MSL (Mean Sea Level); BDL (Below Detection Limit)

POTENTIOMETRIC ELEVATION SUMMARY

MEASUREMENT DATE	DEPTH TO WATER (FT BTOC)	ELEVATION (FT ABOVE MSL)	FREE PRODUCT THICKNESS (FT)	PCW GALLONS REMOVED
11/03/09	14.32	562.02	-	-
01/12/10	11.19	565.15	-	-
07/22/10	14.60	561.74	-	-
11/01/10	DRY			
06/14/11	14.54	561.80	-	-
10/14/11	14.64	561.70	-	-
02/16/12	12.52	563.82	-	-
10/17/12	DRY			
02/12/13	5.58	570.76	-	-
06/18/13	DRY			
10/15/13	DRY			
02/20/14	9.65	566.69	-	-
06/04/14	9.95	566.39	-	-
10/20/14	DRY			
02/16/15	14.05	562.29	-	-
06/24/15	13.96	562.38	-	-
10/15/15	DRY			
02/24/16	10.29	566.05	-	1.0
06/20/16	DRY			
10/21/16	DRY			
02/15/17	10.90	565.44	-	1.0
06/01/17	12.05	564.29	-	1.0
02/14/19	11.31	565.03	-	1.0
06/07/19	13.21	563.13	-	0.5
09/26/19	15.01	561.33	-	-
01/24/20	8.73	567.61	-	2.0
05/21/20	13.29	563.05	-	0.5
09/03/20	DRY			
01/08/21	10.16	566.18	-	2.0
05/07/21	10.41	565.93	-	2.0

INTRINSIC GROUNDWATER DATA SUMMARY

SAMPLE DATE	DISSOLVED OXYGEN (mg/L)	pH	REDOX POTENTIAL (mV)
11/03/09	-	-	-
01/12/10	1.57	5.8	133
07/22/10	-	-	-
11/01/10	DRY		
06/14/11	-	-	-
10/14/11	-	-	-
02/16/12	-	-	-
10/17/12	DRY		
02/12/13	1.70	5.0	155
06/18/13	DRY		
10/15/13	DRY		
02/20/14	3.63	4.8	238
06/04/14	1.70	5.1	167
10/20/14	DRY		
02/16/15	-	-	-
06/24/15	1.61	6.1	173
10/15/15	DRY		
02/24/16	1.64	5.7	133
06/20/16	DRY		
10/21/16	DRY		
02/15/17	2.92	6.1	186
06/01/17	-	-	-
02/14/19	3.77	5.4	161
06/07/19	4.59	6.0	188
09/26/19	-	-	-
01/24/20	3.24	6.0	132
05/21/20	1.88	5.6	136
09/03/20	DRY		
01/08/21	2.54	5.8	72
05/07/21	2.56	5.8	143

Monitoring Point Data Summary Table

SITE NAME:	Highland Home Country Store			UST NUMBER:	08-12-08	WELL ID:	**MW-16**		
INSTALLATION DATE:	03/11/09	WELL DEPTH (FT BTOC):	15.0	SCREEN LENGTH (FT):	10	CASING ELEV (FT ABOVE MSL):	576.34	WELL TYPE: DIAMETER (IN):	II 2

Notes: BTOC (Below Top of Casing); MSL (Mean Sea Level); BDL (Below Detection Limit)

GROUNDWATER ANALYTICAL SUMMARY (mg/L)

SAMPLE DATE	MTBE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES	TOTAL BTEX	NAPHTHALENE
11/01/10	NOT SAMPLED (DRY)						
06/14/11	NOT SAMPLED						
10/14/11	0.0018	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
02/16/12	NOT SAMPLED						
10/17/12	NOT SAMPLED (DRY)						
02/12/13	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
06/18/13	NOT SAMPLED (DRY)						
10/15/13	NOT SAMPLED (DRY)						
02/20/14	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
06/04/14	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
10/20/14	NOT SAMPLED (DRY)						
02/16/15	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
06/24/15	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
10/15/15	NOT SAMPLED (DRY)						
02/24/16	<0.0010	<0.0010	<0.0010	<0.0010	0.0057	0.0057	0.0053
06/20/16	NOT SAMPLED (DRY)						
10/21/16	NOT SAMPLED (DRY)						
02/15/17	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
06/01/17	<0.0010	<0.0010	0.0015	<0.0010	0.0070	0.0085	0.0025
10/09/18	NOT SAMPLED						
02/14/19	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
06/07/19	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
09/26/19	NOT SAMPLED (DRY)						
10/03/19	CA VIA MEME						
01/24/20	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
05/21/20	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
09/03/20	NOT SAMPLED (DRY)						
01/08/21	<0.001	<0.001	<0.001	<0.001	<0.001	BDL	<0.001
05/07/21	<0.001	<0.001	<0.001	<0.001	<0.001	BDL	<0.001
GRP SSTLs:	**0.0225**	**0.00562**	**1.12**	**0.787**	**11.2**	**-**	**0.0255**
Inhalation SSTLs:	**3,400**	**1.12**	**64**	**168**	**54.2**	**-**	**6.75**

Monitoring Point Data Summary Table

SITE NAME:	Highland Home Country Store			UST NUMBER:	08-12-08	WELL ID:	**MW-17**		
INSTALLATION DATE:	03/10/09	WELL DEPTH (FT BTOC):	20.6	SCREEN LENGTH (FT):	10	CASING ELEV (FT ABOVE MSL):	583.36	WELL TYPE: DIAMETER (IN):	II 2

Notes: BTOC (Below Top of Casing); MSL (Mean Sea Level); BDL (Below Detection Limit)

POTENTIOMETRIC ELEVATION SUMMARY

MEASUREMENT DATE	DEPTH TO WATER (FT BTOC)	ELEVATION (FT ABOVE MSL)	FREE PRODUCT THICKNESS (FT)	PCW GALLONS REMOVED
07/13/09	18.62	564.74	-	-
11/03/09	18.68	564.68	-	-
01/12/10	17.61	565.75	-	-
07/22/10	19.27	564.09	-	-
11/01/10	20.04	563.32	-	-
06/14/11	19.42	563.94	-	-
10/14/11	19.50	563.86	-	-
02/16/12	18.90	564.46	-	-
10/17/12	19.17	564.19	-	-
02/12/13	9.52	573.84	-	-
06/18/13	18.75	564.61	-	-
10/15/13	19.05	564.31	-	-
02/20/14	17.71	565.65	-	-
10/20/14	DRY			
02/16/15	19.01	564.35	-	-
06/24/15	18.15	565.21	-	-
10/15/15	19.40	563.96	-	1.0
02/24/16	17.55	565.81	-	1.0
06/20/16	18.22	565.14	-	1.0
10/21/16	19.62	563.74	-	1.0
02/15/17	17.78	565.58	-	1.0
06/01/17	17.85	565.51	-	1.0
10/09/18	18.09	565.27	-	1.0
02/14/19	17.79	565.57	-	1.0
06/07/19	18.24	565.12	-	0.5
09/26/19	19.23	564.13	-	1.0
05/21/20	18.36	565.00	-	0.5
09/03/20	18.32	565.04	-	0.5
01/08/21	16.91	566.45	-	1.0
05/07/21	17.56	565.80	-	1.0

INTRINSIC GROUNDWATER DATA SUMMARY

SAMPLE DATE	DISSOLVED OXYGEN (mg/L)	pH	REDOX POTENTIAL (mV)
07/13/09	-	-	-
11/03/09	-	-	-
01/12/10	2.34	6.0	152
07/22/10	-	-	-
11/01/10	-	-	-
06/14/11	-	-	-
10/14/11	-	-	-
02/16/12	2.27	6.4	169
10/17/12	1.76	5.1	170
02/12/13	-	-	-
06/18/13	-	-	-
10/15/13	1.17	5.7	135
02/20/14	-	-	-
10/20/14	DRY		
02/16/15	-	-	-
06/24/15	2.52	5.7	139
10/15/15	1.74	5.1	-44
02/24/16	2.36	6.1	187
06/20/16	2.51	5.8	142
10/21/16	2.44	5.8	197
02/15/17	2.78	6.2	167
06/01/17	2.93	6.1	161
10/09/18	1.62	5.5	140
02/14/19	1.69	5.6	209
06/07/19	2.78	6.0	136
09/26/19	2.44	6.2	186
05/21/20	3.14	5.9	158
09/03/20	2.76	5.6	91
01/08/21	3.21	5.9	131
05/07/21	1.84	6.0	72

Monitoring Point Data Summary Table

SITE NAME:	Highland Home Country Store			UST NUMBER:	08-12-08	WELL ID:	**MW-17**	
INSTALLATION DATE:	03/10/09	WELL DEPTH (FT BTOC):	20.6	SCREEN LENGTH (FT):	10	CASING ELEV (FT ABOVE MSL):	583.36	WELL TYPE: II DIAMETER (IN): 2

Notes: BTOC (Below Top of Casing); MSL (Mean Sea Level); BDL (Below Detection Limit)

GROUNDWATER ANALYTICAL SUMMARY (mg/L)

SAMPLE DATE	MTBE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES	TOTAL BTEX	NAPHTHALENE
01/12/10	0.0133	0.0102	0.0010	0.0072	0.0815	0.0999	0.0698
07/22/10	0.0038	0.0013	<0.0010	<0.0010	0.0043	0.0056	<0.0010
11/01/10	0.0043	0.0018	<0.0010	0.0011	0.0073	0.0102	0.0057
06/14/11	0.0068	0.0024	<0.0010	0.0017	0.0128	0.0169	0.0089
10/14/11	NOT SAMPLED						
02/16/12	0.0057	0.0032	<0.0010	0.0018	0.0214	0.0264	0.0214
10/17/12	0.0045	0.0020	<0.0010	0.0013	0.0124	0.0157	0.0147
02/12/13	NOT SAMPLED						
06/18/13	NOT SAMPLED						
10/15/13	0.0303	0.0064	<0.0010	0.0039	0.0417	0.0520	0.0812
02/20/14	0.0298	0.0053	<0.0010	0.0040	0.0421	0.0514	0.1651
06/04/14	NOT SAMPLED						
10/20/14	DRY						
02/16/15	0.0136	0.0033	<0.0010	0.0029	0.0337	0.0399	0.0462
06/24/15	0.0181	0.0042	<0.0010	0.0043	0.0478	0.0563	0.0551
10/15/15	0.0128	0.0031	<0.0010	0.0034	0.0195	0.0260	0.0333
02/24/16	0.0215	0.0043	<0.0010	0.0046	0.0457	0.0546	0.0753
06/20/16	0.0172	0.0018	<0.0010	0.0020	0.0365	0.0403	0.0288
10/21/16	0.0174	0.0030	<0.0010	0.0038	0.0189	0.0257	0.0517
02/15/17	0.0287	0.0065	<0.0010	0.0062	0.0635	0.0762	0.0926
06/01/17	0.0191	0.0040	0.0182	0.0187	0.2015	0.2424	0.1270
10/09/18	0.0114	0.0030	<0.0010	0.0040	0.0338	0.0408	0.0568
02/14/19	0.0086	0.0016	<0.0010	0.0015	0.0148	0.0178	0.0327
06/07/19	0.0066	<0.0010	<0.0010	<0.0010	0.0093	0.0093	0.0078
09/26/19	0.0078	0.0019	<0.0010	0.0022	0.0171	0.0212	0.0297
10/03/19	CA VIA MEME						
01/24/20	NOT SAMPLED						
05/21/20	0.0060	<0.0010	<0.0010	0.0012	0.0106	0.0118	0.0221
09/03/20	0.008	0.003	<0.001	0.004	0.031	0.038	0.076
01/08/21	0.007	0.002	<0.001	0.003	0.027	0.032	0.062
05/07/21	0.005	0.002	<0.001	0.002	0.017	0.021	0.048
Inhalation SSTLs:	**2,940**	**1.01**	**58.2**	**153**	**49.1**	**-**	**5.81**

Monitoring Point Data Summary Table

SITE NAME:	Highland Home Country Store			UST NUMBER:	08-12-08	WELL ID:	**MW-18**		
INSTALLATION DATE:	03/11/09	WELL DEPTH (FT BTOC):	18.4	SCREEN LENGTH (FT):	10	CASING ELEV (FT ABOVE MSL):	578.92	WELL TYPE: DIAMETER (IN):	II 2

Notes: BTOC (Below Top of Casing); MSL (Mean Sea Level); BDL (Below Detection Limit)

POTENTIOMETRIC ELEVATION SUMMARY

MEASUREMENT DATE	DEPTH TO WATER (FT BTOC)	ELEVATION (FT ABOVE MSL)	FREE PRODUCT THICKNESS (FT)	PCW GALLONS REMOVED
03/23/09	14.31	564.61	-	-
07/13/09	DRY			
11/03/09	15.30	563.62	-	-
01/12/10	10.60	568.32	-	-
07/22/10	17.80	561.12	-	-
11/01/10	DRY			
06/14/11	DRY			
10/14/11	DRY			
02/16/12	4.34	574.58	-	-
10/17/12	DRY			
02/12/13	4.00	574.92	-	-
06/18/13	DRY			
10/15/13	DRY			
02/20/14	8.71	570.21	-	-
06/04/14	9.38	569.54	-	-
10/20/14	DRY			
10/15/15	16.17	562.75	-	1.0
10/21/16	DRY			
10/09/18	13.71	565.21	-	2.0
02/14/19	8.42	570.50	-	4.0
06/07/19	15.51	563.41	-	1.0
09/26/19	18.29	560.63	-	-
01/24/20	5.62	573.30	-	5.0
05/21/20	15.54	563.38	-	1.0
09/03/20	8.51	570.41	-	2.0
01/08/21	10.42	568.50	-	3.0
05/07/21	12.46	566.46	-	3.0

INTRINSIC GROUNDWATER DATA SUMMARY

SAMPLE DATE	DISSOLVED OXYGEN (mg/L)	pH	REDOX POTENTIAL (mV)
03/23/09	1.85	6.4	144
07/13/09	DRY		
11/03/09	-	-	-
01/12/10	2.29	5.7	124
07/22/10	1.57	5.8	133
11/01/10	DRY		
06/14/11	DRY		
10/14/11	DRY		
02/16/12	-	-	-
10/17/12	DRY		
02/12/13	-	-	-
06/18/13	DRY		
10/15/13	DRY		
02/20/14	-	-	-
06/04/14	-	-	-
10/20/14	DRY		
10/15/15	1.86	5.2	42
10/21/16	DRY		
10/09/18	1.48	5.7	81
02/14/19	2.74	5.4	156
06/07/19	3.64	5.9	132
09/26/19	-	-	-
01/24/20	2.63	5.8	122
05/21/20	2.49	5.8	121
09/03/20	2.88	5.7	129
01/08/21	2.97	5.7	168
05/07/21	2.49	6.1	129

Monitoring Point Data Summary Table

SITE NAME:	Highland Home Country Store			UST NUMBER:	08-12-08	WELL ID:	**MW-18**	
INSTALLATION DATE:	03/11/09	WELL DEPTH (FT BTOC):	18.4	SCREEN LENGTH (FT):	10	CASING ELEV (FT ABOVE MSL):	578.92	WELL TYPE: II DIAMETER (IN): 2

Notes: BTOC (Below Top of Casing); MSL (Mean Sea Level); BDL (Below Detection Limit)

GROUNDWATER ANALYTICAL SUMMARY (mg/L)

SAMPLE DATE	MTBE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES	TOTAL BTEX	NAPHTHALENE
11/01/10	NOT SAMPLED (DRY)						
06/14/11	NOT SAMPLED						
10/14/11	NOT SAMPLED						
02/16/12	NOT SAMPLED						
10/17/12	NOT SAMPLED (DRY)						
02/12/13	NOT SAMPLED						
06/18/13	NOT SAMPLED						
10/15/13	NOT SAMPLED (DRY)						
02/20/14	NOT SAMPLED						
06/04/14	NOT SAMPLED						
10/20/14	NOT SAMPLED (DRY)						
02/16/15	NOT SAMPLED						
06/24/15	NOT SAMPLED						
10/15/15	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
02/24/16	NOT SAMPLED						
06/20/16	NOT SAMPLED						
10/21/16	NOT SAMPLED (DRY)						
02/15/17	NOT SAMPLED						
06/01/17	NOT SAMPLED						
10/09/18	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
02/14/19	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
06/07/19	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
09/26/19	NOT SAMPLED (DRY)						
10/03/19	CA VIA MEME						
01/24/20	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
05/21/20	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
09/03/20	<0.001	<0.001	<0.001	<0.001	<0.001	BDL	0.001
01/08/21	<0.001	<0.001	<0.001	<0.001	<0.001	BDL	<0.001
05/07/21	<0.001	<0.001	<0.001	<0.001	<0.001	BDL	<0.001
GRP SSTLs:	**0.0189**	**0.00473**	**0.945**	**0.662**	**9.45**	**-**	**0.0189**
Inhalation SSTLs:	**3,400**	**1.12**	**64**	**168**	**54.2**	**-**	**6.75**

Monitoring Point Data Summary Table

SITE NAME:	Highland Home Country Store			UST NUMBER:	08-12-08	WELL ID:	**MW-19**		
INSTALLATION DATE:	01/05/10	WELL DEPTH (FT BTOC):	23.3	SCREEN LENGTH (FT):	15	CASING ELEV (FT ABOVE MSL):	583.45	WELL TYPE: DIAMETER (IN):	II 2

Notes: BTOC (Below Top of Casing); MSL (Mean Sea Level); BDL (Below Detection Limit)

POTENTIOMETRIC ELEVATION SUMMARY

MEASUREMENT DATE	DEPTH TO WATER (FT BTOC)	ELEVATION (FT ABOVE MSL)	FREE PRODUCT THICKNESS (FT)	PCW GALLONS REMOVED
01/12/10	7.43	576.02	-	-
07/22/10	11.00	572.45	-	-
11/01/10	12.60	570.85	-	-
06/14/11	10.43	573.02	-	-
10/14/11	11.01	572.44	-	-
02/16/12	7.50	575.95	-	-
10/17/12	9.82	573.63	-	-
02/12/13	4.08	579.37	-	-
06/18/13	9.42	574.03	-	-
10/15/13	9.81	573.64	-	-
02/20/14	5.48	577.97	-	-
06/04/14	6.84	576.61	-	-
10/20/14	11.07	572.38	-	-
06/24/15	8.93	574.52	-	-
10/15/15	10.70	572.75	-	6.0
10/21/16	11.04	572.41	-	4.0
10/09/18	8.72	574.73	-	5.0
02/14/19	7.98	575.47	-	5.0
06/07/19	9.02	574.43	-	5.0
09/26/19	10.60	572.85	-	5.5
01/24/20	3.87	579.58	-	5.0
05/21/20	9.29	574.16	-	5.0
09/03/20	8.62	574.83	-	3.0
01/08/21	6.78	576.67	-	5.0
05/07/21	7.22	576.23	-	5.0

INTRINSIC GROUNDWATER DATA SUMMARY

SAMPLE DATE	DISSOLVED OXYGEN (mg/L)	pH	REDOX POTENTIAL (mV)
01/12/10	2.42	5.8	146
07/22/10	-	-	-
11/01/10	-	-	-
06/14/11	-	-	-
10/14/11	-	-	-
02/16/12	-	-	-
10/17/12	-	-	-
02/12/13	-	-	-
06/18/13	2.55	6.1	247
10/15/13	2.50	5.2	294
02/20/14	1.29	4.6	256
06/04/14	1.57	5.5	140
10/20/14	1.64	6.2	180
06/24/15	1.40	6.2	161
10/15/15	2.15	4.5	157
10/21/16	3.47	6.1	228
10/09/18	2.54	6.0	134
02/14/19	2.92	5.7	237
06/07/19	3.21	6.1	118
09/26/19	2.45	5.9	190
01/24/20	3.31	6.2	145
05/21/20	3.51	6.3	143
09/03/20	2.49	5.8	174
01/08/21	2.82	6.0	107
05/07/21	3.12	5.7	154

Monitoring Point Data Summary Table

SITE NAME:	Highland Home Country Store			UST NUMBER:	08-12-08	WELL ID:	**MW-19**	
INSTALLATION DATE:	01/05/10	WELL DEPTH (FT BTOC):	23.3	SCREEN LENGTH (FT):	15	CASING ELEV (FT ABOVE MSL):	583.45	WELL TYPE: II DIAMETER (IN): 2

Notes: BTOC (Below Top of Casing); MSL (Mean Sea Level); BDL (Below Detection Limit)

GROUNDWATER ANALYTICAL SUMMARY (mg/L)

SAMPLE DATE	MTBE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES	TOTAL BTEX	NAPHTHALENE
01/12/10	0.0085	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
07/22/10	0.0215	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
11/01/10	0.0153	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
06/14/11	0.0121	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
10/14/11	NOT SAMPLED						
02/16/12	0.0036	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
10/17/12	0.0083	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
02/12/13	NOT SAMPLED						
06/18/13	0.0076	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
10/15/13	0.0057	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
02/20/14	NOT SAMPLED						
06/04/14	NOT SAMPLED						
10/20/14	0.0109	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
02/16/15	NOT SAMPLED						
06/24/15	0.0012	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
10/15/15	0.0044	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
02/24/16	NOT SAMPLED						
06/20/16	NOT SAMPLED						
10/21/16	0.0032	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
02/15/17	NOT SAMPLED						
06/01/17	NOT SAMPLED						
10/09/18	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
02/14/19	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
06/07/19	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
09/26/19	0.0019	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
10/03/19	CA VIA MEME						
01/24/20	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
05/21/20	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
09/03/20	0.001	<0.001	<0.001	<0.001	<0.001	BDL	<0.001
01/08/21	<0.001	<0.001	<0.001	<0.001	<0.001	BDL	<0.001
05/07/21	<0.001	<0.001	<0.001	<0.001	<0.001	BDL	<0.001
Inhalation SSTLs:	**3,400**	**1.12**	**64**	**168**	**54.2**	**-**	**6.75**

Monitoring Point Data Summary Table

SITE NAME:	Highland Home Country Store			UST NUMBER:	08-12-08	WELL ID:	**MW-20**		
INSTALLATION DATE:	01/05/10	WELL DEPTH (FT BTOC):	23.5	SCREEN LENGTH (FT):	15	CASING ELEV (FT ABOVE MSL):	576.01	WELL TYPE: DIAMETER (IN):	II 2

Notes: BTOC (Below Top of Casing); MSL (Mean Sea Level); BDL (Below Detection Limit)

POTENTIOMETRIC ELEVATION SUMMARY

MEASUREMENT DATE	DEPTH TO WATER (FT BTOC)	ELEVATION (FT ABOVE MSL)	FREE PRODUCT THICKNESS (FT)	PCW GALLONS REMOVED
01/12/10	8.17	567.84	-	-
07/22/10	17.29	558.72	-	-
11/01/10	18.62	557.39	-	-
06/14/11	17.63	558.38	-	-
10/14/11	18.16	557.85	-	-
02/16/12	15.00	561.01	-	-
10/17/12	17.44	558.57	-	-
02/12/13	8.77	567.24	-	-
06/18/13	16.44	559.57	-	-
10/15/13	16.22	559.79	-	-
02/20/14	9.49	566.52	-	-
06/04/14	10.29	565.72	-	-
10/20/14	17.86	558.15	-	-
10/15/15	18.11	557.90	-	2.0
10/21/16	17.79	558.22	-	2.0
10/09/18	14.68	561.33	-	3.0
02/14/19	9.97	566.04	-	5.0
06/07/19	13.79	562.22	-	4.0
09/26/19	17.25	558.76	-	2.5
01/24/20	7.16	568.85	-	5.0
05/21/20	14.06	561.95	-	4.0
09/03/20	15.71	560.30	-	2.0
01/08/21	10.14	565.87	-	5.0
05/07/21	8.21	567.80	-	5.0

INTRINSIC GROUNDWATER DATA SUMMARY

SAMPLE DATE	DISSOLVED OXYGEN (mg/L)	pH	REDOX POTENTIAL (mV)
01/12/10	2.19	6.0	166
07/22/10	-	-	-
11/01/10	-	-	-
06/14/11	-	-	-
10/14/11	-	-	-
02/16/12	2.93	5.8	181
10/17/12	1.54	5.4	209
02/12/13	-	-	-
06/18/13	-	-	-
10/15/13	1.39	5.7	166
02/20/14	1.29	4.6	256
06/04/14	1.57	5.5	140
10/20/14	1.64	6.2	180
10/15/15	1.40	6.2	161
10/21/16	2.15	4.5	157
10/09/18	2.31	6.1	129
02/14/19	4.23	5.6	229
06/07/19	3.47	6.3	151
09/26/19	2.18	6.4	187
01/24/20	2.48	6.0	76
05/21/20	2.67	6.1	93
09/03/20	3.64	5.8	121
01/08/21	3.12	5.8	124
05/07/21	3.51	5.8	134

Monitoring Point Data Summary Table

SITE NAME:	Highland Home Country Store			UST NUMBER:	08-12-08	WELL ID:	**MW-20**	
INSTALLATION DATE:	01/05/10	WELL DEPTH (FT BTOC):	23.5	SCREEN LENGTH (FT):	15	CASING ELEV (FT ABOVE MSL):	576.01	WELL TYPE: II DIAMETER (IN): 2

Notes: BTOC (Below Top of Casing); MSL (Mean Sea Level); BDL (Below Detection Limit)

GROUNDWATER ANALYTICAL SUMMARY (mg/L)

SAMPLE DATE	MTBE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES	TOTAL BTEX	NAPHTHALENE
01/12/10	0.0085	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
07/22/10	0.0215	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
11/01/10	0.0153	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
06/14/11	0.0121	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
10/14/11	NOT SAMPLED						
02/16/12	0.0036	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
10/17/12	0.0083	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
02/12/13	NOT SAMPLED						
06/18/13	0.0076	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
10/15/13	0.0057	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
02/20/14	NOT SAMPLED						
06/04/14	NOT SAMPLED						
10/20/14	0.0109	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
02/16/15	NOT SAMPLED						
06/24/15	0.0012	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
10/15/15	0.0044	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
02/24/16	NOT SAMPLED						
06/20/16	NOT SAMPLED						
10/21/16	0.0032	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
02/15/17	NOT SAMPLED						
06/01/17	NOT SAMPLED						
10/09/18	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
02/14/19	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
06/07/19	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
09/26/19	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
10/03/19	CA VIA MEME						
01/24/20	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
05/21/20	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
09/03/20	<0.001	<0.001	<0.001	<0.001	<0.001	BDL	<0.001
01/08/21	<0.001	<0.001	<0.001	<0.001	<0.001	BDL	<0.001
05/07/21	<0.001	<0.001	<0.001	<0.001	<0.001	BDL	<0.001
Inhalation SSTLs:	**3,400**	**1.12**	**64**	**168**	**54.2**	**-**	**6.75**

Monitoring Point Data Summary Table

SITE NAME:	Highland Home Country Store			UST NUMBER:	08-12-08	WELL ID:	**MW-21**		
INSTALLATION DATE:	01/05/10	WELL DEPTH (FT BTOC):	29.2	SCREEN LENGTH (FT):	15	CASING ELEV (FT ABOVE MSL):	540.58	WELL TYPE: DIAMETER (IN):	II 2

Notes: BTOC (Below Top of Casing); MSL (Mean Sea Level); BDL (Below Detection Limit)

POTENTIOMETRIC ELEVATION SUMMARY

MEASUREMENT DATE	DEPTH TO WATER (FT BTOC)	ELEVATION (FT ABOVE MSL)	FREE PRODUCT THICKNESS (FT)	PCW GALLONS REMOVED
01/12/10	22.10	518.48	-	-
02/16/12	25.98	514.60	-	-
10/17/12	28.64	511.94	-	-
02/12/13	25.18	515.40	-	-
10/15/13	27.97	512.61	-	-
02/20/14	25.03	515.55	-	-
06/04/14	25.73	514.85	-	-
10/09/18	27.19	513.39	-	0.5
02/14/19	25.66	514.92	-	1.0
06/07/19	26.54	514.04	-	1.0
01/24/20	24.88	515.70	-	2.0
05/21/20	26.49	514.09	-	1.0
09/03/20	DRY			
01/08/21	25.49	515.09	-	1.0
05/07/21	25.76	514.82	-	1.0

INTRINSIC GROUNDWATER DATA SUMMARY

SAMPLE DATE	DISSOLVED OXYGEN (mg/L)	pH	REDOX POTENTIAL (mV)
01/12/10	2.55	5.7	210
02/16/12	2.67	5.9	179
10/17/12	2.78	5.3	252
02/12/13	-	-	-
10/15/13	-	-	-
02/20/14	-	-	-
06/04/14	-	-	-
10/09/18	2.87	6.1	147
02/14/19	3.41	6.2	188
06/07/19	4.37	6.2	219
01/24/20	3.81	6.3	246
05/21/20	3.19	5.8	126
09/03/20	DRY		
01/08/21	3.49	5.9	112
05/07/21	2.72	6.0	119

Monitoring Point Data Summary Table

SITE NAME:	Highland Home Country Store			UST NUMBER:	08-12-08	WELL ID:	**MW-21**	
INSTALLATION DATE:	01/05/10	WELL DEPTH (FT BTOC):	29.2	SCREEN LENGTH (FT):	15	CASING ELEV (FT ABOVE MSL):	540.58	WELL TYPE: DIAMETER (IN):	II 2

Notes: BTOC (Below Top of Casing); MSL (Mean Sea Level); BDL (Below Detection Limit)

GROUNDWATER ANALYTICAL SUMMARY (mg/L)

SAMPLE DATE	MTBE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES	TOTAL BTEX	NAPHTHALENE
01/12/10	0.0149	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
07/22/10	0.0483	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
11/01/10	0.0407	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
06/14/11	NOT SAMPLED						
10/14/11	0.0161	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
02/16/12	0.0097	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
10/17/12	0.0070	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
02/12/13	NOT SAMPLED						
06/18/13	NOT SAMPLED						
10/15/13	0.0025	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
02/20/14	NOT SAMPLED						
06/04/14	NOT SAMPLED						
10/20/14	NOT SAMPLED (DRY)						
02/16/15	NOT SAMPLED						
06/24/15	NOT SAMPLED						
10/15/15	NOT SAMPLED (DRY)						
02/24/16	NOT SAMPLED						
06/20/16	NOT SAMPLED						
10/21/16	NOT SAMPLED (DRY)						
02/15/17	NOT SAMPLED						
06/01/17	NOT SAMPLED						
10/09/18	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
02/14/19	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
06/07/19	0.0011	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
09/26/19	NOT SAMPLED						
10/03/19	CA VIA MEME						
01/24/20	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
05/21/20	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
09/03/20	NOT SAMPLED (DRY)						
01/08/21	<0.001	<0.001	<0.001	<0.001	<0.001	BDL	<0.001
05/07/21	0.001	<0.001	<0.001	<0.001	<0.001	BDL	<0.001
Inhalation SSTLs:	**3,400**	**1.12**	**64**	**168**	**54.2**	**-**	**6.75**

Monitoring Point Data Summary Table

SITE NAME:	Highland Home Country Store			UST NUMBER:	08-12-08	WELL ID:	**MW-22**		
INSTALLATION DATE:	01/05/10	WELL DEPTH (FT BTOC):	20.2	SCREEN LENGTH (FT):	10	CASING ELEV (FT ABOVE MSL):	562.84	WELL TYPE: DIAMETER (IN):	II 2

Notes: BTOC (Below Top of Casing); MSL (Mean Sea Level); BDL (Below Detection Limit)

POTENTIOMETRIC ELEVATION SUMMARY

MEASUREMENT DATE	DEPTH TO WATER (FT BTOC)	ELEVATION (FT ABOVE MSL)	FREE PRODUCT THICKNESS (FT)	PCW GALLONS REMOVED
01/12/10	11.23	551.61	-	-
07/22/10	15.97	546.87	-	-
11/01/10	18.55	544.29	-	-
06/14/11	16.04	546.80	-	-
10/14/11	16.20	546.64	-	-
02/16/12	15.72	547.12	-	-
10/17/12	16.11	546.73	-	-
02/12/13	5.30	557.54	-	-
06/18/13	15.05	547.79	-	-
10/15/13	15.99	546.85	-	-
02/20/14	13.33	549.51	-	-
06/04/14	11.79	551.05	-	-
10/20/14	16.14	546.70	-	-
10/15/15	16.32	546.52	-	2.0
10/21/16	16.72	546.12	-	1.0
10/09/18	16.10	546.74	-	1.0
02/14/19	14.76	548.08	-	2.0
06/07/19	16.02	546.82	-	1.0
01/24/20	7.94	554.90	-	5.0
05/21/20	15.88	546.96	-	1.0
09/03/20	16.32	546.52	-	1.0
01/08/21	10.94	551.90	-	4.0
05/07/21	14.02	548.82	-	4.0

INTRINSIC GROUNDWATER DATA SUMMARY

SAMPLE DATE	DISSOLVED OXYGEN (mg/L)	pH	REDOX POTENTIAL (mV)
01/12/10	1.89	5.9	137
07/22/10	-	-	-
11/01/10	-	-	-
06/14/11	-	-	-
10/14/11	-	-	-
02/16/12	2.58	6.5	138
10/17/12	1.94	5.7	237
02/12/13	-	-	-
06/18/13	-	-	-
10/15/13	1.29	5.9	170
02/20/14	-	-	-
06/04/14	-	-	-
10/20/14	1.29	5.4	177
10/15/15	1.53	5.5	-53
10/21/16	2.54	5.9	186
10/09/18	3.27	6.2	166
02/14/19	2.49	5.7	221
06/07/19	3.72	6.3	146
01/24/20	4.46	6.0	182
05/21/20	4.27	6.0	166
09/03/20	3.04	6.0	137
01/08/21	4.13	5.6	278
05/07/21	2.89	6.0	142

Monitoring Point Data Summary Table

SITE NAME:	Highland Home Country Store			UST NUMBER:	08-12-08	WELL ID:	**MW-22**	
INSTALLATION DATE:	01/05/10	WELL DEPTH (FT BTOC):	20.2	SCREEN LENGTH (FT):	10	CASING ELEV (FT ABOVE MSL):	562.84	WELL TYPE: DIAMETER (IN):	II 2

Notes: BTOC (Below Top of Casing); MSL (Mean Sea Level); BDL (Below Detection Limit)

GROUNDWATER ANALYTICAL SUMMARY (mg/L)

SAMPLE DATE	MTBE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES	TOTAL BTEX	NAPHTHALENE
01/12/10	0.1543	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
07/22/10	0.0448	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
11/01/10	0.0698	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
06/14/11	0.0347	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
10/14/11	NOT SAMPLED						
02/16/12	0.0573	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
10/17/12	0.0776	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
02/12/13	NOT SAMPLED						
06/18/13	NOT SAMPLED						
10/15/13	0.0112	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
02/20/14	NOT SAMPLED						
06/04/14	NOT SAMPLED						
10/20/14	0.0194	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
02/16/15	NOT SAMPLED						
06/24/15	NOT SAMPLED						
10/15/15	0.0150	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
02/24/16	NOT SAMPLED						
06/20/16	NOT SAMPLED						
10/21/16	0.0205	0.0021	<0.0010	<0.0010	<0.0010	0.0021	<0.0010
02/15/17	NOT SAMPLED						
06/01/17	NOT SAMPLED						
10/09/18	0.0083	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
02/14/19	0.0014	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
06/07/19	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
09/26/19	NOT SAMPLED						
10/03/19	CA VIA MEME						
01/24/20	<0.0010	0.0014	0.0059	<0.0010	0.0031	0.0104	<0.0010
05/21/20	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
09/03/20	0.002	<0.001	<0.001	<0.001	<0.001	BDL	<0.001
01/08/21	<0.001	<0.001	<0.001	<0.001	<0.001	BDL	<0.001
05/07/21	<0.001	<0.001	<0.001	<0.001	<0.001	BDL	<0.001
Inhalation SSTLs:	**3,400**	**1.12**	**64**	**168**	**54.2**	**-**	**6.75**

Monitoring Point Data Summary Table

SITE NAME:	Highland Home Country Store			UST NUMBER:	08-12-08	WELL ID:	**VW-1**		
INSTALLATION DATE:	06/23/08	WELL DEPTH (FT BTOC):	30.0	SCREEN LENGTH (FT):	2.5	CASING ELEV (FT ABOVE MSL):	584.73	WELL TYPE: DIAMETER (IN):	II 2

Notes: BTOC (Below Top of Casing); MSL (Mean Sea Level); BDL (Below Detection Limit)

POTENTIOMETRIC ELEVATION SUMMARY

MEASUREMENT DATE	DEPTH TO WATER (FT BTOC)	ELEVATION (FT ABOVE MSL)	FREE PRODUCT THICKNESS (FT)	PCW GALLONS REMOVED
07/09/08	26.56	558.17	-	-
03/23/09	22.03	562.70	-	-
07/13/09	24.88	559.85	-	-
11/03/09	23.28	561.45	-	-
01/12/10	20.42	564.31	-	-
07/22/10	26.12	558.61	0.42	-
11/01/10	26.93	557.80	0.12	-
06/14/11	26.01	558.72	-	-
10/14/11	26.48	558.25	-	-
02/16/12	25.16	559.57	-	-
10/17/12	26.00	558.73	-	-
02/12/13	20.56	564.17	-	-
06/18/13	25.10	559.63	-	-
10/15/13	25.23	559.50	-	-
02/20/14	20.19	564.54	-	-
06/04/14	20.49	564.24	-	-
10/20/14	26.38	558.35	0.01	-
02/16/15	24.81	559.92	-	-
10/15/15	26.55	558.18	-	2.0
10/21/16	27.05	557.68	-	1.0
10/09/18	23.57	561.16	-	2.0
02/14/19	20.69	564.04	-	4.0
06/07/19	22.61	562.12	-	3.0
09/26/19	25.80	558.93	-	2.5
01/24/20	18.91	565.82	-	5.0
05/21/20	22.91	561.82	-	3.0
09/03/20	24.30	560.43	-	2.0
01/08/21	20.97	563.76	-	4.0
05/07/21	20.02	564.71	-	4.0

INTRINSIC GROUNDWATER DATA SUMMARY

SAMPLE DATE	DISSOLVED OXYGEN (mg/L)	pH	REDOX POTENTIAL (mV)
07/09/08	1.32	6.1	169
03/23/09	2.12	5.5	106
07/13/09	-	-	-
11/03/09	-	-	-
01/12/10	1.69	5.8	186
07/22/10	FREE PRODUCT (0.42 FT)		
11/01/10	FREE PRODUCT (0.12 FT)		
06/14/11	-	-	-
10/14/11	-	-	-
02/16/12	-	-	-
10/17/12	-	-	-
02/12/13	-	-	-
06/18/13	-	-	-
10/15/13	-	-	-
02/20/14	-	-	-
06/04/14	-	-	-
10/20/14	FREE PRODUCT (0.01 FT)		
02/16/15	-	-	-
10/15/15	-	-	-
10/21/16	-	-	-
10/09/18	1.73	5.7	118
02/14/19	3.62	6.1	-128
06/07/19	2.61	5.7	121
09/26/19	3.11	6.0	73
01/24/20	2.77	5.8	136
05/21/20	3.19	6.0	165
09/03/20	3.23	6.1	142
01/08/21	2.68	5.8	89
05/07/21	2.84	6.2	151

Monitoring Point Data Summary Table

SITE NAME:	Highland Home Country Store			UST NUMBER:	08-12-08	WELL ID:	**VW-1**	
INSTALLATION DATE:	06/23/08	WELL DEPTH (FT BTOC):	30.0	SCREEN LENGTH (FT):	2.5	CASING ELEV (FT ABOVE MSL):	584.73	WELL TYPE: II DIAMETER (IN): 2

Notes: BTOC (Below Top of Casing); MSL (Mean Sea Level); BDL (Below Detection Limit)

GROUNDWATER ANALYTICAL SUMMARY (mg/L)

SAMPLE DATE	MTBE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES	TOTAL BTEX	NAPHTHALENE
11/01/10	**3.7574**	**5.6232**	**30.7134**	**3.6678**	22.3314	62.3358	**1.0230**
06/14/11	**4.8197**	**6.7841**	**15.6761**	2.9177	13.8117	39.1896	**1.6602**
10/14/11	**2.6477**	**4.3322**	**8.8970**	1.9311	8.9649	24.1252	**0.7938**
02/16/12	**1.3923**	**4.9834**	**15.5009**	1.9726	8.8797	31.3366	**0.7872**
10/17/12	**1.4175**	**3.3993**	**6.6101**	1.4876	6.6798	18.1768	**0.7042**
02/12/13	NOT SAMPLED						
06/18/13	NOT SAMPLED						
10/15/13	**2.7643**	**4.4918**	**11.0204**	2.0038	9.6760	27.1920	**0.7710**
02/20/14	NOT SAMPLED						
06/04/14	NOT SAMPLED						
10/20/14	**0.8055**	**4.1938**	**19.6636**	2.6186	14.3911	40.8671	**0.9141**
02/16/15	**0.9243**	**2.8108**	**9.4070**	2.3927	12.4716	27.0821	**1.0228**
06/24/15	NOT SAMPLED						
10/15/15	**1.1126**	**2.6488**	3.6200	1.1126	8.9394	16.3208	**0.7826**
02/24/16	NOT SAMPLED						
06/20/16	NOT SAMPLED						
10/21/16	**0.5431**	**2.6464**	**5.9100**	1.9953	7.5512	18.1029	**0.8976**
02/15/17	NOT SAMPLED						
06/01/17	NOT SAMPLED						
10/09/18	**0.4148**	**3.4984**	**11.7681**	1.3676	6.6623	23.2964	**0.3639**
02/14/19	**0.3044**	**1.6842**	4.4222	0.9955	3.8395	10.9413	**0.4042**
06/07/19	**0.3499**	**1.8213**	**4.8665**	0.4353	4.1933	11.3164	**0.4566**
09/26/19	**0.2684**	**0.9073**	0.5265	0.4880	2.3695	4.2913	**0.2638**
10/03/19	CA VIA MEME						
01/24/20	**0.1868**	**1.3222**	3.4369	0.6594	2.6395	8.0580	**0.2302**
05/21/20	**0.3798**	**1.3342**	1.3515	1.3612	4.8651	8.9120	**0.5792**
09/03/20	**0.110**	**0.233**	0.162	0.167	0.498	1.060	0.079
01/08/21	**0.106**	**2.82**	**20.8**	2.84	15.2	41.66	**0.999**
05/07/21	**0.296**	**1.75**	**6.33**	2.36	14.5	24.94	**1.20**
GRP SSTLs:	**0.0907**	**0.0227**	**4.54**	**3.18**	**45.4**	**-**	**0.0907**
Inhalation SSTLs:	**2,940**	**1.01**	**58.2**	**153**	**49.1**	**-**	**5.81**

Monitoring Point Data Summary Table

SITE NAME:	Highland Home Country Store			UST NUMBER:	08-12-08	WELL ID:	**VW-2**		
INSTALLATION DATE:	03/10/09	WELL DEPTH (FT BTOC):	31.2	SCREEN LENGTH (FT):	2.5	CASING ELEV (FT ABOVE MSL):	584.13	WELL TYPE: DIAMETER (IN):	II 2

Notes: BTOC (Below Top of Casing); MSL (Mean Sea Level); BDL (Below Detection Limit)

POTENTIOMETRIC ELEVATION SUMMARY

MEASUREMENT DATE	DEPTH TO WATER (FT BTOC)	ELEVATION (FT ABOVE MSL)	FREE PRODUCT THICKNESS (FT)	PCW GALLONS REMOVED
03/23/09	21.70	562.43	-	-
07/13/09	24.31	559.82	-	-
11/03/09	22.75	561.38	-	-
01/12/10	19.88	564.25	-	-
07/22/10	25.38	558.75	-	-
11/01/10	26.34	557.79	-	-
06/14/11	25.43	558.70	-	-
10/14/11	25.84	558.29	-	-
02/16/12	28.86	555.27	-	-
10/17/12	24.74	559.39	-	-
02/12/13	19.68	564.45	-	-
06/18/13	21.53	562.60	-	-
10/15/13	24.34	559.79	-	-
02/20/14	19.83	564.30	-	-
06/04/14	19.91	564.22	-	-
10/20/14	25.74	558.39	-	-
10/15/15	25.88	558.25	-	2.0
10/21/16	25.39	558.74	-	2.0
10/09/18	22.54	561.59	-	3.0
02/14/19	19.87	564.26	-	4.0
06/07/19	22.07	562.06	-	3.0
09/26/19	25.20	558.93	-	2.5
01/24/20	18.29	565.84	-	5.0
05/21/20	22.29	561.84	-	4.0
09/03/20	23.66	560.47	-	2.0
01/08/21	20.62	563.51	-	5.0
05/07/21	19.42	564.71	-	4.0

INTRINSIC GROUNDWATER DATA SUMMARY

SAMPLE DATE	DISSOLVED OXYGEN (mg/L)	pH	REDOX POTENTIAL (mV)
03/23/09	1.40	5.8	-18
07/13/09	-	-	-
11/03/09	-	-	-
01/12/10	2.10	6.2	151
07/22/10	-	-	-
11/01/10	-	-	-
06/14/11	-	-	-
10/14/11	-	-	-
02/16/12	-	-	-
10/17/12	-	-	-
02/12/13	-	-	-
06/18/13	-	-	-
10/15/13	-	-	-
02/20/14	-	-	-
06/04/14	-	-	-
10/20/14	-	-	-
10/15/15	-	-	-
10/21/16	-	-	-
10/09/18	2.81	5.8	132
02/14/19	2.79	6.0	-72
06/07/19	3.58	6.2	87
09/26/19	2.41	6.0	19
01/24/20	2.32	6.0	41
05/21/20	3.42	6.2	152
09/03/20	3.59	6.2	179
01/08/21	2.93	5.9	131
05/07/21	3.41	6.1	226

Monitoring Point Data Summary Table

SITE NAME:	Highland Home Country Store			UST NUMBER:	08-12-08	WELL ID:	**VW-2**	
INSTALLATION DATE:	03/10/09	WELL DEPTH (FT BTOC):	31.2	SCREEN LENGTH (FT):	2.5	CASING ELEV (FT ABOVE MSL):	584.13	WELL TYPE: II DIAMETER (IN): 2

Notes: BTOC (Below Top of Casing); MSL (Mean Sea Level); BDL (Below Detection Limit)

GROUNDWATER ANALYTICAL SUMMARY (mg/L)

SAMPLE DATE	MTBE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES	TOTAL BTEX	NAPHTHALENE
11/01/10	**0.3061**	**0.7674**	**3.2917**	0.7084	3.0167	7.7842	**0.3452**
06/14/11	**0.6018**	**0.9586**	2.7664	1.1945	4.5580	9.4775	**0.5041**
10/14/11	**0.2253**	**0.7213**	1.4666	0.7410	2.8916	5.8205	**0.4042**
02/16/12	**0.2870**	**0.5717**	1.2437	0.7108	2.6055	5.1317	**0.3893**
10/17/12	**0.2002**	**0.9365**	2.1729	1.5414	5.8616	10.5124	**0.6275**
02/12/13	NOT SAMPLED						
06/18/13	NOT SAMPLED						
10/15/13	**0.2209**	**0.7397**	1.2467	1.5524	6.1266	9.6654	**0.6500**
02/20/14	NOT SAMPLED						
06/04/14	NOT SAMPLED						
10/20/14	**0.3590**	**0.7863**	0.9337	1.0864	2.7774	5.5838	**0.5108**
02/16/15	NOT SAMPLED						
06/24/15	NOT SAMPLED						
10/15/15	**0.1416**	**0.5072**	0.9430	1.0895	3.8303	6.3700	**0.5102**
02/24/16	NOT SAMPLED						
06/20/16	NOT SAMPLED						
10/21/16	**0.1733**	**0.5574**	0.5214	1.2836	3.3713	5.7337	**0.6901**
02/15/17	NOT SAMPLED						
06/01/17	NOT SAMPLED						
10/09/18	**0.1284**	**0.7067**	0.2989	0.813	1.6791	5.7337	**0.3526**
02/14/19	0.0237	0.0146	0.0035	0.0167	0.0306	0.0653	0.0068
06/07/19	0.0059	**0.0182**	0.0088	0.0334	0.2544	0.3148	**0.1587**
09/26/19	**0.0755**	**0.5216**	0.2010	0.8784	1.4795	3.0805	**0.4484**
10/03/19	CA VIA MEME						
01/24/20	0.0015	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
05/21/20	<0.0010	<0.0010	<0.0010	0.0014	0.0020	0.0034	0.0011
09/03/20	<0.001	<0.001	<0.001	<0.001	<0.001	BDL	0.011
01/08/21	<0.001	<0.001	<0.001	<0.001	<0.001	BDL	0.002
05/07/21	0.008	0.013	0.005	0.007	0.027	0.052	0.011
GRP SSTLs:	**0.0642**	**0.0161**	**3.21**	**2.25**	**32.1**	**-**	**0.0642**
Inhalation SSTLs:	**2,940**	**1.01**	**58.2**	**153**	**49.1**	**-**	**5.81**

Monitoring Point Data Summary Table

SITE NAME:	Highland Home Country Store			UST NUMBER:	08-12-08	WELL ID:	**RW-1**		
INSTALLATION DATE:	08/19/10	WELL DEPTH (FT BTOC):	29.2	SCREEN LENGTH (FT):	10	CASING ELEV (FT ABOVE MSL):	584.99	WELL TYPE: DIAMETER (IN):	II 4

Notes: BTOC (Below Top of Casing); MSL (Mean Sea Level); BDL (Below Detection Limit)

POTENTIOMETRIC ELEVATION SUMMARY

MEASUREMENT DATE	DEPTH TO WATER (FT BTOC)	ELEVATION (FT ABOVE MSL)	FREE PRODUCT THICKNESS (FT)	PCW GALLONS REMOVED
06/14/11	26.36	558.63	0.01	-
10/14/11	26.85	558.14	-	-
02/16/12	25.46	559.53	-	-
10/17/12	26.40	558.59	-	-
02/12/13	21.92	563.07	-	-
06/18/13	25.44	559.55	-	-
10/15/13	24.92	560.07	-	-
02/20/14	20.70	564.29	-	-
06/04/14	21.00	563.99	-	-
10/20/14	26.76	558.23	0.01	-
02/16/15	25.23	559.76	0.01	-
06/24/15	24.14	560.85	0.01	-
10/15/15	26.93	558.06	-	4.0
02/24/16	20.18	564.81	0.01	4.0
06/20/16	23.95	561.04	-	6.0
09/07/16	26.77	558.22	-	2.0
10/21/16	26.77	558.22	-	4.0
01/05/07	24.18	560.81	-	1.0
02/15/17	22.12	562.87	-	5.0
05/02/17	24.04	560.95	-	1.0
06/01/17	23.12	561.87	-	5.0
10/09/18	23.74	561.25	-	5.0
02/14/19	20.91	564.08	-	5.0
06/07/19	23.06	561.93	-	5.0
09/26/19	26.21	558.78	-	5.5
01/24/20	19.42	565.57	-	5.0
05/21/20	23.32	561.67	-	5.0
09/03/20	25.21	559.78	-	3.0
01/08/21	21.46	563.53	-	5.0
05/07/21	20.66	564.33	-	5.0

INTRINSIC GROUNDWATER DATA SUMMARY

SAMPLE DATE	DISSOLVED OXYGEN (mg/L)	pH	REDOX POTENTIAL (mV)
06/14/11	FREE PRODUCT (0.01 FT)		
10/14/11	-	-	-
02/16/12	-	-	-
10/17/12	-	-	-
02/12/13	-	-	-
06/18/13	-	-	-
10/15/13	-	-	-
02/20/14	-	-	-
06/04/14	-	-	-
10/20/14	FREE PRODUCT (0.01 FT)		
02/16/15	FREE PRODUCT (0.01 FT)		
06/24/15	FREE PRODUCT (0.01 FT)		
10/15/15	-	-	-
02/24/16	FREE PRODUCT (0.01 FT)		
06/20/16	-	-	-
09/07/16	-	-	-
10/21/16	-	-	-
01/05/17	-	-	-
02/15/17	-	-	-
05/02/17	-	-	-
06/01/17	-	-	-
10/09/18	1.42	5.5	64
02/14/19	1.82	5.9	-124
06/07/19	1.76	5.6	34
09/26/19	1.47	5.9	120
01/24/20	2.56	5.9	65
05/21/20	2.22	5.7	74
09/03/20	2.47	5.8	121
01/08/21	2.59	5.6	72
05/07/21	2.92	5.9	129

Monitoring Point Data Summary Table

SITE NAME:	Highland Home Country Store			UST NUMBER:	08-12-08	WELL ID:	**RW-1**	
INSTALLATION DATE:	08/19/10	WELL DEPTH (FT BTOC):	29.2	SCREEN LENGTH (FT):	10	CASING ELEV (FT ABOVE MSL):	584.99	WELL TYPE: II DIAMETER (IN): 4

Notes: BTOC (Below Top of Casing); MSL (Mean Sea Level); BDL (Below Detection Limit)

GROUNDWATER ANALYTICAL SUMMARY (mg/L)

SAMPLE DATE	MTBE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES	TOTAL BTEX	NAPHTHALENE
11/01/10	4.9589	**2.7103**	1.8258	0.9635	1.8495	7.3491	0.1515
06/14/11	3.5175	**3.0000**	2.8312	1.9005	4.8558	12.5875	0.8953
10/14/11	3.5447	**3.3389**	2.6667	2.1102	5.5695	13.6853	0.8157
02/16/12	2.6009	**2.6291**	1.2791	1.5754	3.9870	9.4706	0.6729
10/17/12	3.3234	**3.0997**	1.2243	1.6084	4.0282	9.9606	0.8350
02/12/13	NOT SAMPLED						
06/18/13	NOT SAMPLED						
10/15/13	1.9410	**2.0975**	0.1777	0.9794	0.7205	3.9751	0.5233
02/20/14	1.8870	**1.8639**	0.0694	0.7848	0.5379	3.2560	0.6502
06/04/14	1.6268	**1.6974**	0.1236	0.7823	0.3136	2.9169	0.4920
10/20/14	1.7840	**2.3841**	0.4468	1.8963	3.0808	7.8080	0.6736
02/16/15	1.3811	**1.7479**	0.1444	0.8895	1.2258	4.0076	0.6716
06/24/15	1.0308	**5.2291**	24.5727	2.3729	14.5473	46.7220	0.9148
10/15/15	1.0751	**2.6163**	0.2351	1.7145	2.9394	7.5053	0.9309
02/24/16	0.9754	**1.2727**	0.0307	0.6161	0.2072	2.1267	0.2908
06/20/16	0.8220	0.9630	0.0869	0.5267	0.1944	1.7710	0.2797
10/21/16	0.9197	**2.0499**	0.1024	1.2836	1.7524	5.1883	0.7519
02/15/17	0.8117	**1.2272**	<0.1000	0.4213	0.4361	2.0846	0.1668
06/01/17	0.6055	0.9430	0.0567	0.5249	0.4307	1.9553	0.2559
10/09/18	0.3341	0.7999	0.0543	0.7508	0.4760	2.0810	0.2580
02/14/19	0.2920	0.3965	0.0188	0.2834	0.0322	0.7309	0.1039
06/07/19	0.3131	0.6080	0.0189	0.5876	0.1137	1.3282	0.2479
09/26/19	0.3319	0.7170	0.0303	0.9195	0.6916	2.3584	0.4088
10/03/19	CA VIA MEME						
01/24/20	0.4312	0.5448	0.9726	0.0815	1.6728	3.2716	0.0540
05/21/20	0.2104	0.5060	<0.0100	0.6784	0.0730	1.2574	0.2816
09/03/20	0.385	**1.14**	0.223	1.26	2.01	4.63	0.447
01/08/21	0.220	0.497	0.020	0.432	0.015	0.964	0.166
05/07/21	0.135	0.369	<0.005	0.404	<0.005	0.773	0.136
Inhalation SSTLs:	**2,940**	**1.01**	**58.2**	**153**	**49.1**	**-**	**5.81**

Monitoring Point Data Summary Table

SITE NAME:	Highland Home Country Store			UST NUMBER:	08-12-08	WELL ID:	**RW-2**		
INSTALLATION DATE:	08/18/10	WELL DEPTH (FT BTOC):	30.3	SCREEN LENGTH (FT):	10	CASING ELEV (FT ABOVE MSL):	584.37	WELL TYPE: DIAMETER (IN):	II 4

Notes: BTOC (Below Top of Casing); MSL (Mean Sea Level); BDL (Below Detection Limit)

POTENTIOMETRIC ELEVATION SUMMARY

MEASUREMENT DATE	DEPTH TO WATER (FT BTOC)	ELEVATION (FT ABOVE MSL)	FREE PRODUCT THICKNESS (FT)	PCW GALLONS REMOVED
02/16/12	24.12	560.27	0.02	-
10/17/12	25.87	558.68	0.23	-
02/12/13	20.23	564.35	0.26	-
06/18/13	25.05	559.58	0.32	-
10/15/13	24.90	559.71	0.30	-
02/20/14	20.05	564.55	0.29	-
06/04/14	20.40	564.26	0.36	-
10/20/14	26.85	557.90	0.48	-
02/16/15	24.44	559.95	0.02	-
06/24/15	23.72	560.87	0.27	-
10/15/15	26.55	558.10	0.35	7.0
02/24/16	19.70	565.05	0.48	5.0
06/20/16	23.87	560.73	0.29	6.0
09/07/16	25.06	559.56	0.31	2.0
10/21/16	26.34	558.28	0.31	5.0
01/05/17	22.71	561.79	0.16	2.0
02/15/17	21.30	563.21	0.18	5.0
05/02/17	23.55	560.93	0.14	2.0
06/01/17	22.60	561.88	0.14	5.0
10/09/18	23.06	561.32	0.01	5.0
02/14/19	19.56	565.08	0.34	5.0
06/07/19	21.41	563.13	0.21	5.0
09/26/19	25.53	558.84	-	9.0
10/03/19	25.77	558.68	0.10	-
11/07/19	24.87	559.53	0.04	-
01/24/20	18.43	565.94	-	5.0
05/21/20	22.53	561.86	0.03	5.0
09/03/20	23.94	560.43	-	3.0
01/08/21	20.69	563.68	-	5.0
05/07/21	19.74	564.63	-	5.0

INTRINSIC GROUNDWATER DATA SUMMARY

SAMPLE DATE	DISSOLVED OXYGEN (mg/L)	pH	REDOX POTENTIAL (mV)
02/16/12	FREE PRODUCT (0.02 FT)		
10/17/12	FREE PRODUCT (0.23 FT)		
02/12/13	FREE PRODUCT (0.26 FT)		
06/18/13	FREE PRODUCT (0.32 FT)		
10/15/13	FREE PRODUCT (0.30 FT)		
02/20/14	FREE PRODUCT (0.29 FT)		
06/04/14	FREE PRODUCT (0.36 FT)		
10/20/14	FREE PRODUCT (0.48 FT)		
02/16/15	FREE PRODUCT (0.02 FT)		
06/24/15	FREE PRODUCT (0.27 FT)		
10/15/15	FREE PRODUCT (0.35 FT)		
02/24/16	FREE PRODUCT (0.48 FT)		
06/20/16	FREE PRODUCT (0.29 FT)		
09/07/16	FREE PRODUCT (0.31 FT)		
10/21/16	FREE PRODUCT (0.31 FT)		
01/05/17	FREE PRODUCT (0.16 FT)		
02/15/17	FREE PRODUCT (0.18 FT)		
05/02/17	FREE PRODUCT (0.14 FT)		
06/01/17	FREE PRODUCT (0.14 FT)		
10/09/18	FREE PRODUCT (0.01 FT)		
02/14/19	FREE PRODUCT (0.34 FT)		
06/07/19	FREE PRODUCT (0.21 FT)		
09/26/19	1.82	5.6	97
10/03/19	FREE PRODUCT (0.10 FT)		
11/07/19	FREE PRODUCT (0.04 FT)		
01/24/20	1.74	5.7	86
05/21/20	FREE PRODUCT (0.03 FT)		
09/03/20	2.64	5.8	96
01/08/21	2.76	5.8	84
05/07/21	3.31	6.1	167

Monitoring Point Data Summary Table

SITE NAME:	Highland Home Country Store			UST NUMBER:	08-12-08	WELL ID:	**RW-2**	
INSTALLATION DATE:	08/18/10	WELL DEPTH (FT BTOC):	30.3	SCREEN LENGTH (FT):	10	CASING ELEV (FT ABOVE MSL):	584.37	WELL TYPE: II DIAMETER (IN): 4

Notes: BTOC (Below Top of Casing); MSL (Mean Sea Level); BDL (Below Detection Limit)

GROUNDWATER ANALYTICAL SUMMARY (mg/L)

SAMPLE DATE	MTBE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES	TOTAL BTEX	NAPHTHALENE
11/01/10	4.6143	**4.5812**	6.8030	2.2298	8.2650	21.8790	0.7898
06/14/11	NOT SAMPLED - FREE PRODUCT (0.34 FT)						
10/14/11	NOT SAMPLED - FREE PRODUCT (0.35 FT)						
02/16/12	3.9836	**5.4231**	15.1367	3.8415	15.3176	39.7189	0.9688
10/17/12	2.2576	**3.2471**	3.8611	2.1237	6.4558	15.6877	0.9366
02/12/13	NOT SAMPLED - FREE PRODUCT (0.26 FT)						
06/08/13	NOT SAMPLED - FREE PRODUCT (0.32 FT)						
10/15/13	2.2262	**4.6362**	19.8995	4.0953	21.0019	49.6329	1.9781
02/20/14	2.1339	**1.2317**	8.6195	1.5638	16.4018	27.8168	1.2843
06/04/14	NOT SAMPLED - FREE PRODUCT (0.36 FT)						
10/20/14	NOT SAMPLED - FREE PRODUCT (0.48 FT)						
02/16/15	1.5816	**1.3058**	5.6280	1.7043	25.2882	33.9263	1.4125
06/24/15	1.3317	**1.4339**	4.8209	1.0721	15.1770	22.5039	0.8563
10/15/15	1.2115	**1.7081**	3.6959	2.8100	31.3946	39.6086	5.0387
02/24/16	1.3500	0.6757	2.8938	1.6145	48.2555	53.4395	5.7066
06/20/16	1.1955	**2.0910**	4.0917	1.7005	10.4617	18.3449	0.8122
10/21/16	0.8770	**2.3065**	1.3856	1.4907	5.9632	11.1460	0.8648
02/15/17	1.1717	**1.3206**	5.4432	1.2820	27.7225	35.7683	1.3948
06/01/17	0.7676	0.8818	4.7944	1.9496	36.6810	44.3068	2.5250
10/09/18	0.5779	**1.0843**	2.8405	0.6061	9.8203	14.3512	0.4119
02/14/19	NOT SAMPLED - FREE PRODUCT (0.34 FT)						
06/07/19	NOT SAMPLED - FREE PRODUCT (0.21 FT)						
09/26/19	0.4607	**1.5272**	1.9033	1.4698	6.1241	11.0244	0.4987
10/03/19	CA VIA MEME						
01/24/20	0.2664	**2.1113**	9.9973	2.1718	14.2201	28.5005	0.9072
05/21/20	0.3267	**1.1681**	4.0133	1.4056	7.1018	13.6888	0.5325
09/03/20	0.526	**1.73**	3.42	1.98	8.06	15.19	0.696
01/08/21	0.512	**1.23**	2.23	1.19	5.21	9.86	0.546
05/07/21	0.150	0.604	0.554	0.353	2.72	4.231	0.393
Inhalation SSTLs:	**2,940**	**1.01**	**58.2**	**153**	**49.1**	**-**	**5.81**

Monitoring Point Data Summary Table

SITE NAME:	Highland Home Country Store			UST NUMBER:	08-12-08	WELL ID:	**RW-3**		
INSTALLATION DATE:	08/19/10	WELL DEPTH (FT BTOC):	30.1	SCREEN LENGTH (FT):	10	CASING ELEV (FT ABOVE MSL):	584.83	WELL TYPE: DIAMETER (IN):	II 4

Notes: BTOC (Below Top of Casing); MSL (Mean Sea Level); BDL (Below Detection Limit)

POTENTIOMETRIC ELEVATION SUMMARY

MEASUREMENT DATE	DEPTH TO WATER (FT BTOC)	ELEVATION (FT ABOVE MSL)	FREE PRODUCT THICKNESS (FT)	PCW GALLONS REMOVED
02/20/14	20.70	564.67	0.67	-
06/04/14	20.87	564.24	0.35	-
10/20/14	26.34	558.77	0.35	-
02/16/15	25.85	559.03	0.06	-
06/24/15	24.37	560.92	0.58	-
10/15/15	26.97	558.21	0.44	-
02/24/16	20.16	564.97	0.38	4.0
06/20/16	24.36	560.83	0.45	5.0
09/07/16	25.64	559.63	0.55	2.0
10/21/16	26.80	558.38	0.44	3.0
01/05/17	23.49	561.64	0.37	2.0
02/15/17	22.05	563.09	0.39	5.0
05/02/17	24.29	560.92	0.48	1.0
06/01/17	23.39	561.86	0.53	5.0
10/09/18	24.40	561.31	1.10	5.0
02/14/19	20.57	565.01	0.94	5.0
06/07/19	23.11	562.25	0.66	5.0
09/26/19	25.76	559.07	-	8.0
10/03/19	26.06	559.35	0.72	-
11/07/19	25.26	559.59	0.02	-
01/24/20	19.32	565.51	-	5.0
04/02/20	20.40	564.67	0.30	-
05/21/20	24.02	561.78	1.21	5.0
06/01/20	21.79	563.41	0.46	-
07/01/20	21.89	563.16	0.28	-
08/10/20	24.85	560.12	0.18	-
09/03/20	24.36	560.48	0.01	3.0
10/08/20	25.01	559.90	0.10	-
01/08/21	21.23	563.62	0.02	5.0
05/07/21	20.21	564.62	-	5.0

INTRINSIC GROUNDWATER DATA SUMMARY

SAMPLE DATE	DISSOLVED OXYGEN (mg/L)	pH	REDOX POTENTIAL (mV)
02/20/14	FREE PRODUCT (0.67 FT)		
06/04/14	FREE PRODUCT (0.35 FT)		
10/20/14	FREE PRODUCT (0.35 FT)		
02/16/15	FREE PRODUCT (0.06 FT)		
06/24/15	FREE PRODUCT (0.58 FT)		
10/15/15	FREE PRODUCT (0.44 FT)		
02/24/16	FREE PRODUCT (0.38 FT)		
06/20/16	FREE PRODUCT (0.45 FT)		
09/07/16	FREE PRODUCT (0.55 FT)		
10/21/16	FREE PRODUCT (0.44 FT)		
01/05/17	FREE PRODUCT (0.37 FT)		
02/15/17	FREE PRODUCT (0.39 FT)		
05/02/17	FREE PRODUCT (0.48 FT)		
06/01/17	FREE PRODUCT (0.53 FT)		
10/09/18	FREE PRODUCT (1.10 FT)		
02/14/19	FREE PRODUCT (0.94 FT)		
06/07/19	FREE PRODUCT (0.66 FT)		
09/26/19	2.13	5.9	84
10/03/19	FREE PRODUCT (0.72 FT)		
11/07/19	FREE PRODUCT (0.02 FT)		
01/24/20	1.92	5.8	121
04/02/20	FREE PRODUCT (0.30 FT)		
05/21/20	FREE PRODUCT (1.21 FT)		
06/01/20	FREE PRODUCT (0.46 FT)		
07/01/20	FREE PRODUCT (0.28 FT)		
08/10/20	FREE PRODUCT (0.18 FT)		
09/03/20	FREE PRODUCT (0.01 FT)		
10/08/20	FREE PRODUCT (0.10 FT)		
01/08/21	FREE PRODUCT (0.02 FT)		
05/07/21	2.63	5.8	144

Monitoring Point Data Summary Table

SITE NAME:	Highland Home Country Store			UST NUMBER:	08-12-08	WELL ID:	**RW-3**	
INSTALLATION DATE:	08/19/10	WELL DEPTH (FT BTOC):	30.1	SCREEN LENGTH (FT):	10	CASING ELEV (FT ABOVE MSL):	584.83	WELL TYPE: II DIAMETER (IN): 4

Notes: BTOC (Below Top of Casing); MSL (Mean Sea Level); BDL (Below Detection Limit)

GROUNDWATER ANALYTICAL SUMMARY (mg/L)

SAMPLE DATE	MTBE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES	TOTAL BTEX	NAPHTHALENE
11/01/10	NOT SAMPLED - FREE PRODUCT (2.34 FT)						
06/14/11	NOT SAMPLED -FREE PRODUCT (0.28 FT)						
10/14/11	NOT SAMPLED -FREE PRODUCT (0.29 FT)						
02/16/12	1.4616	**5.1397**	25.3116	3.4398	18.2892	52.1803	0.9120
10/17/12	0.7490	**3.9177**	15.3743	2.4616	11.6834	33.4370	0.9893
02/12/13	NOT SAMPLED -FREE PRODUCT (0.22 FT)						
06/18/13	NOT SAMPLED -FREE PRODUCT (0.53 FT)						
10/15/13	0.9255	**5.5067**	33.2775	3.4508	18.1050	60.3400	1.2448
02/20/14	1.1454	**4.9857**	23.4779	2.4019	15.6690	46.5345	0.6009
06/04/14	NOT SAMPLED -FREE PRODUCT (0.35 FT)						
10/20/14	NOT SAMPLED -FREE PRODUCT (0.35 FT)						
02/16/15	NOT SAMPLED -FREE PRODUCT (0.06 FT)						
06/24/15	1.0257	**1.2095**	0.0238	0.6855	0.1605	2.0793	0.3170
10/15/15	NOT SAMPLED -FREE PRODUCT (0.44 FT)						
02/24/16	0.7836	**2.9318**	21.4847	4.5486	45.1410	74.1061	1.5152
06/20/16	1.2626	**3.8626**	18.7577	2.9314	18.7922	44.3439	1.3999
10/21/16	0.3743	**2.1438**	7.7856	1.0826	5.8425	16.8545	1.2191
02/15/17	0.8396	**2.7592**	23.5025	4.2804	39.9469	70.4890	2.2910
06/01/17	0.7037	**3.1339**	20.7826	3.5636	28.5401	56.0202	1.9266
10/09/18	0.4414	**3.6233**	14.5784	1.8381	10.1390	30.1788	0.6037
02/14/19	NOT SAMPLED -FREE PRODUCT (0.94 FT)						
06/07/19	NOT SAMPLED -FREE PRODUCT (0.66 FT)						
09/26/19	0.3094	**2.1526**	7.2497	1.9341	7.3592	18.6956	0.6036
10/03/19	CA VIA MEME						
01/24/20	0.1605	0.3506	0.1249	0.2205	0.1313	0.8273	0.0746
05/21/20	0.2780	**5.2542**	21.4498	2.5793	13.5869	42.8702	0.7554
09/03/20	0.206	**2.04**	9.94	2.38	11.0	25.4	0.821
01/08/21	0.159	**2.10**	10.5	1.32	10.7	24.62	0.751
05/07/21	0.174	**2.12**	9.16	1.24	11.4	23.92	0.743
Inhalation SSTLs:	**2,940**	**1.01**	**58.2**	**153**	**49.1**	**-**	**5.81**

Monitoring Point Data Summary Table

SITE NAME:	Highland Home Country Store			UST NUMBER:	08-12-08	WELL ID:	**POND**	
INSTALLATION DATE:	-	WELL DEPTH (FT BTOC):	-	SCREEN LENGTH (FT):	-	CASING ELEV (FT ABOVE MSL):	-	WELL TYPE: - DIAMETER (IN): -

Notes: BTOC (Below Top of Casing); MSL (Mean Sea Level); BDL (Below Detection Limit)

GROUNDWATER ANALYTICAL SUMMARY (mg/L)

SAMPLE DATE	MTBE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES	TOTAL BTEX	NAPHTHALENE
07/22/10	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
11/01/10	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
06/14/11	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
10/14/11	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
02/16/12	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
10/17/12	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
10/20/14	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
10/09/18	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
02/14/19	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
06/07/19	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
09/26/19	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
10/03/19	CA VIA MEME						
01/24/20	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
05/21/20	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
09/03/20	<0.001	<0.001	<0.001	<0.001	<0.001	BDL	<0.001
01/08/21	<0.001	<0.001	<0.001	<0.001	<0.001	BDL	<0.001
05/07/21	<0.001	<0.001	<0.001	<0.001	<0.001	BDL	<0.001
ISLs:	**0.02**	**0.005**	**1**	**0.7**	**10**	**-**	**0.02**

Monitoring Point Data Summary Table

SITE NAME:	Highland Home Country Store			UST NUMBER:	08-12-08	WELL ID:	**Carbon Effluent**	
INSTALLATION DATE:	-	WELL DEPTH (FT BTOC):	-	SCREEN LENGTH (FT):	-	CASING ELEV (FT ABOVE MSL):	-	WELL TYPE: DIAMETER (IN):	- -

Notes: BTOC (Below Top of Casing); MSL (Mean Sea Level); BDL (Below Detection Limit)

GROUNDWATER ANALYTICAL SUMMARY (mg/L)

SAMPLE DATE	MTBE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES	TOTAL BTEX	NAPHTHALENE
10/09/18	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
02/14/19	<0.0010	<0.0010	0.0020	<0.0010	0.0020	0.0040	<0.0010
06/07/19	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
09/26/19	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
01/24/20	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
05/21/20	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	BDL	<0.0010
09/03/20	<0.001	<0.001	<0.001	<0.001	<0.001	BDL	<0.001
01/08/21	<0.001	<0.001	<0.001	<0.001	<0.001	BDL	<0.001
05/07/21	<0.001	<0.001	<0.001	<0.001	<0.001	BDL	<0.001

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FIGURES

APPENDIX B

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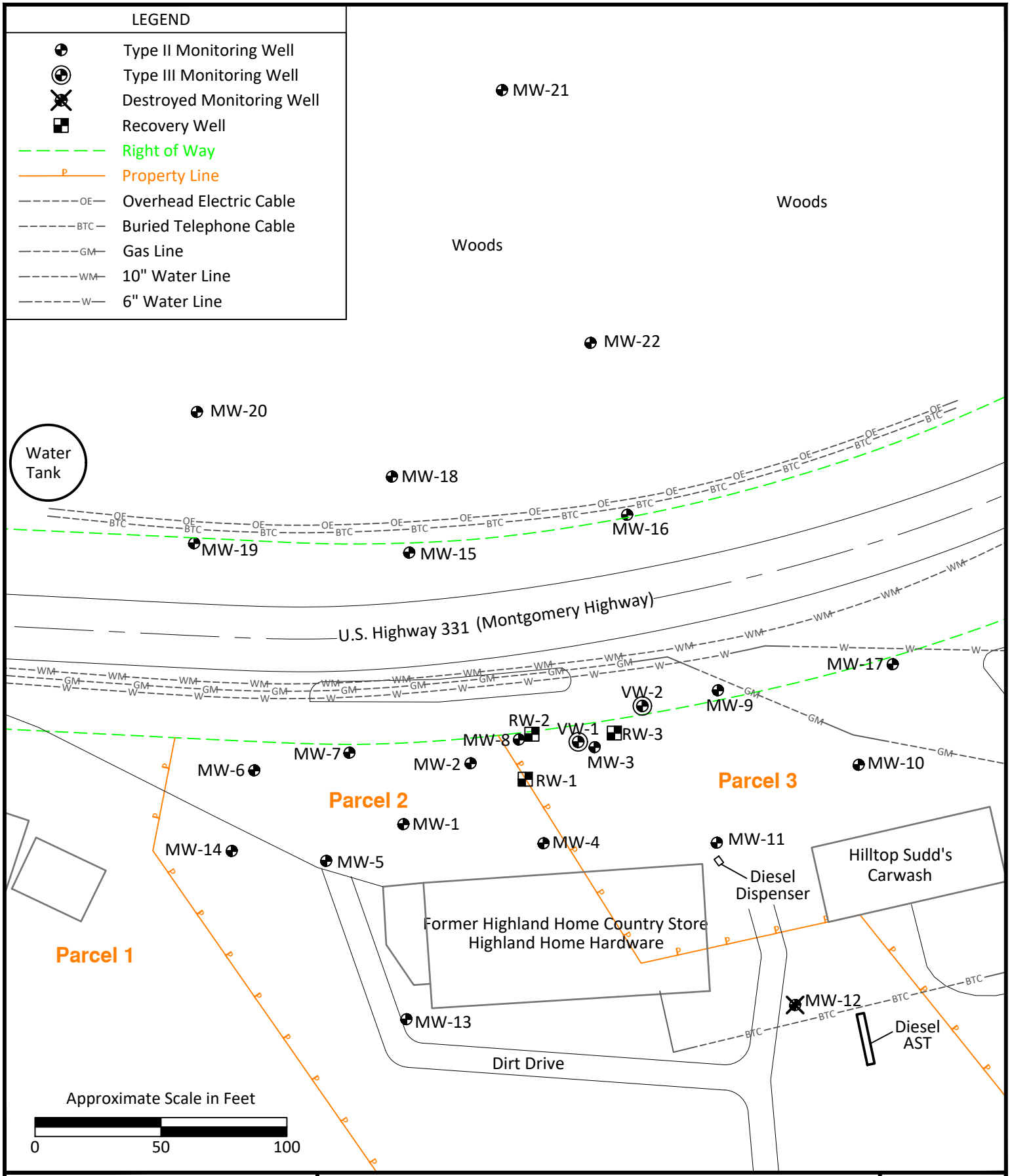
Site Location USGS Topographic Map

Highland Home Country Store
19000 Montgomery Highway
Highland Home, Crenshaw County, AL

N



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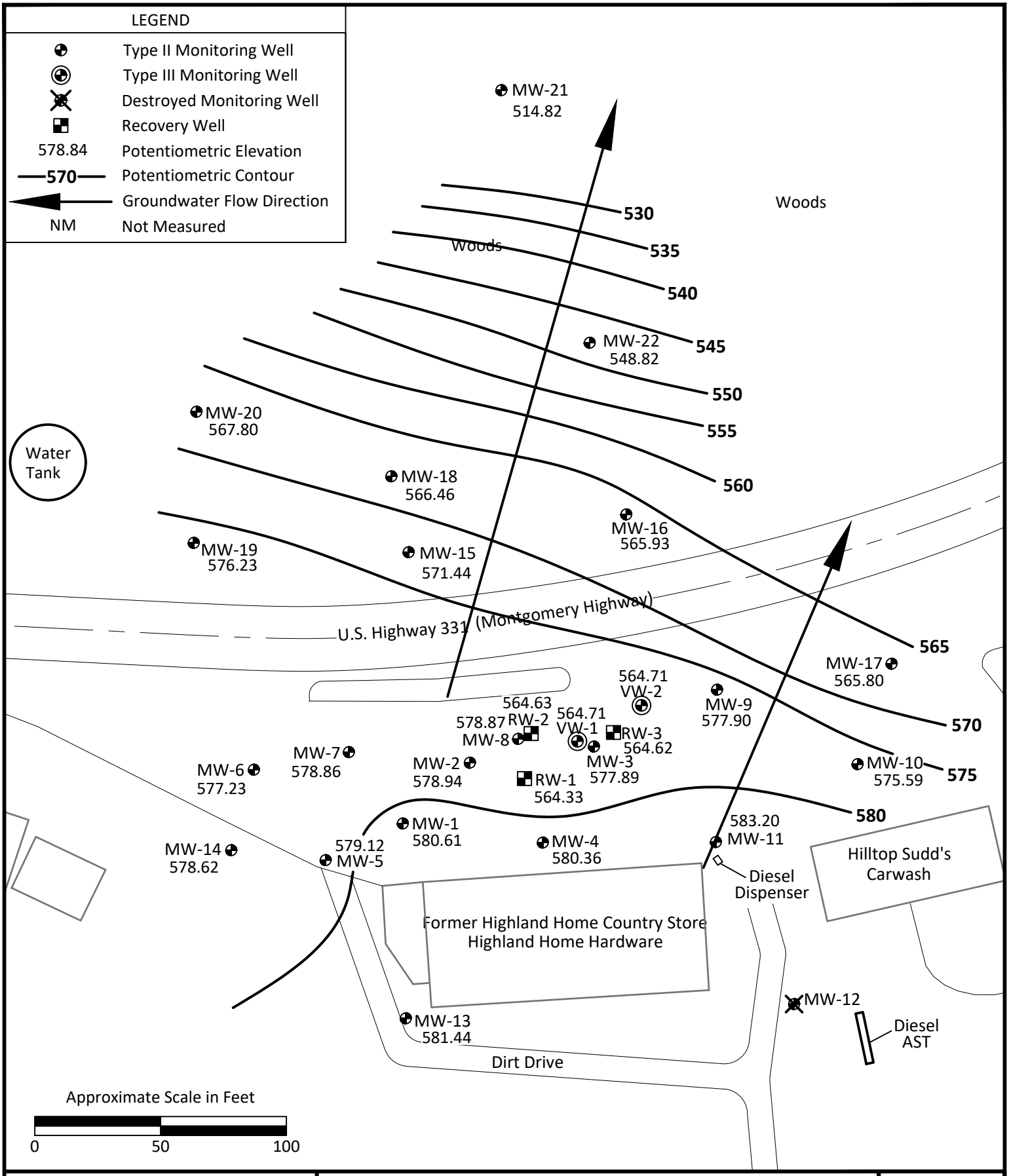
Site Map with Utility and Well Locations

Highland Home Country Store
19000 Montgomery Highway
Highland Home, Crenshaw County, AL



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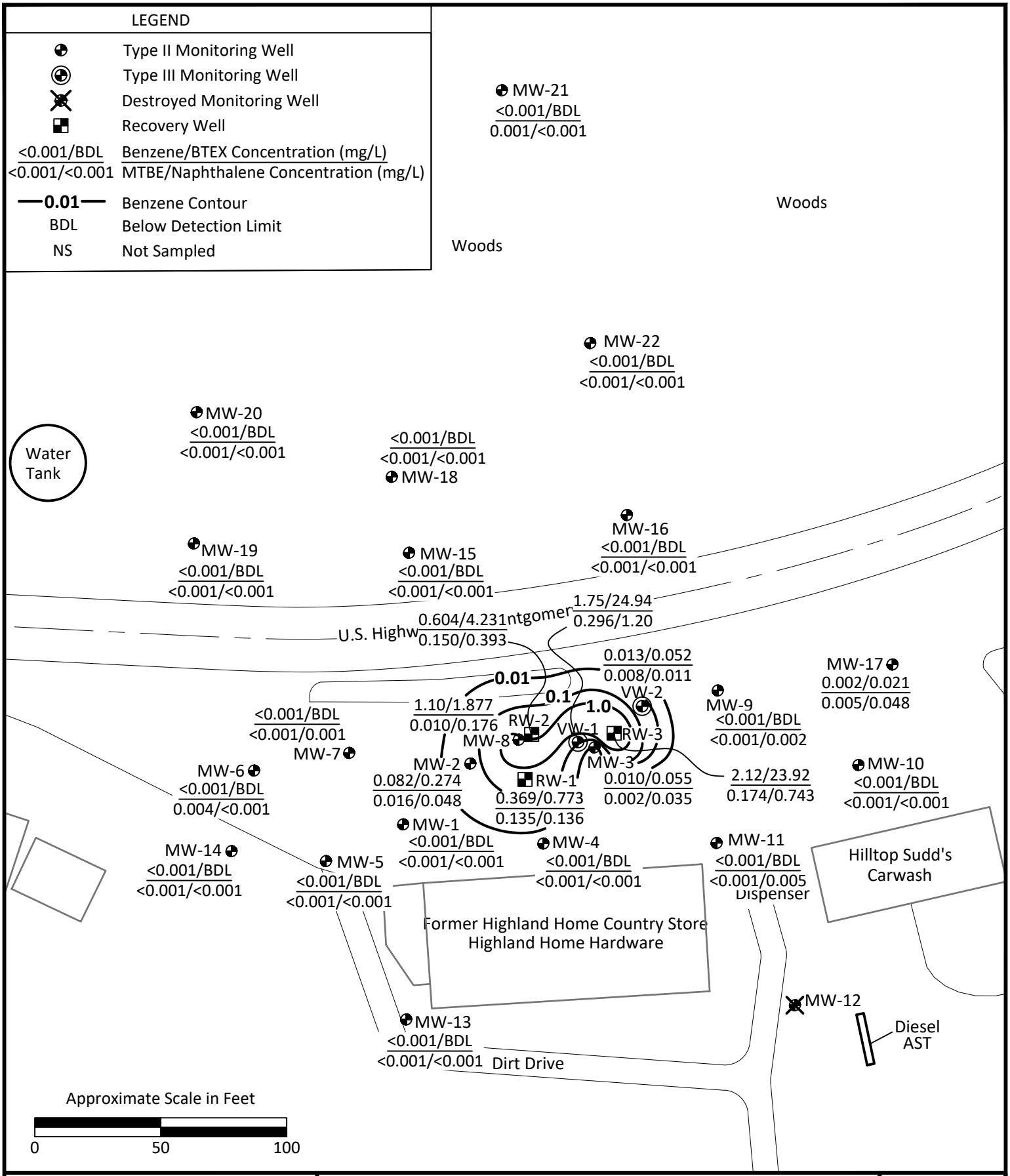
Potentiometric Surface Map
May 7, 2021

Highland Home Country Store
19000 Montgomery Highway
Highland Home, Crenshaw County, AL



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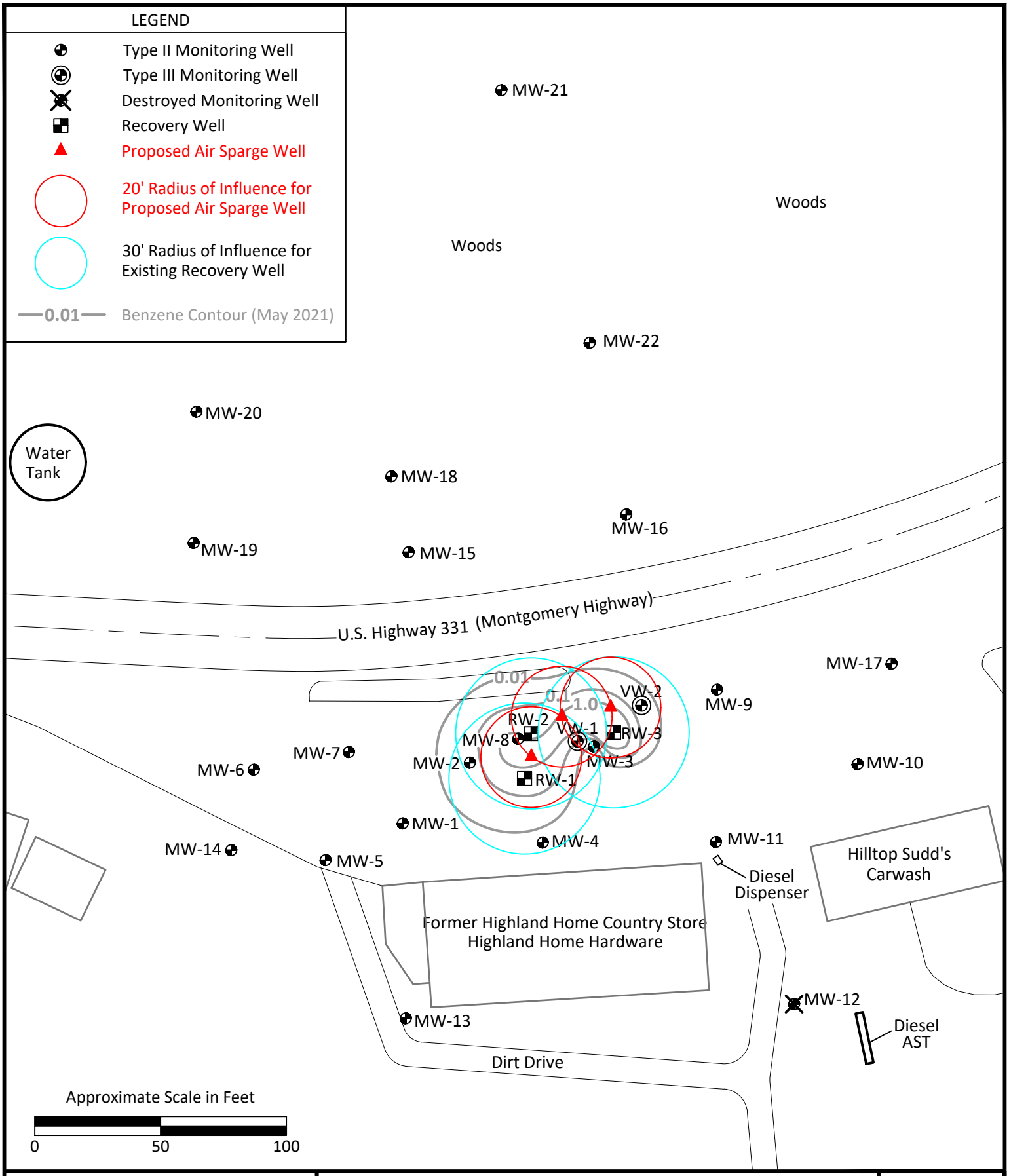
Groundwater Analytical and Benzene Contour Map
May 7, 2021

Highland Home Country Store
19000 Montgomery Highway
Highland Home, Crenshaw County, AL



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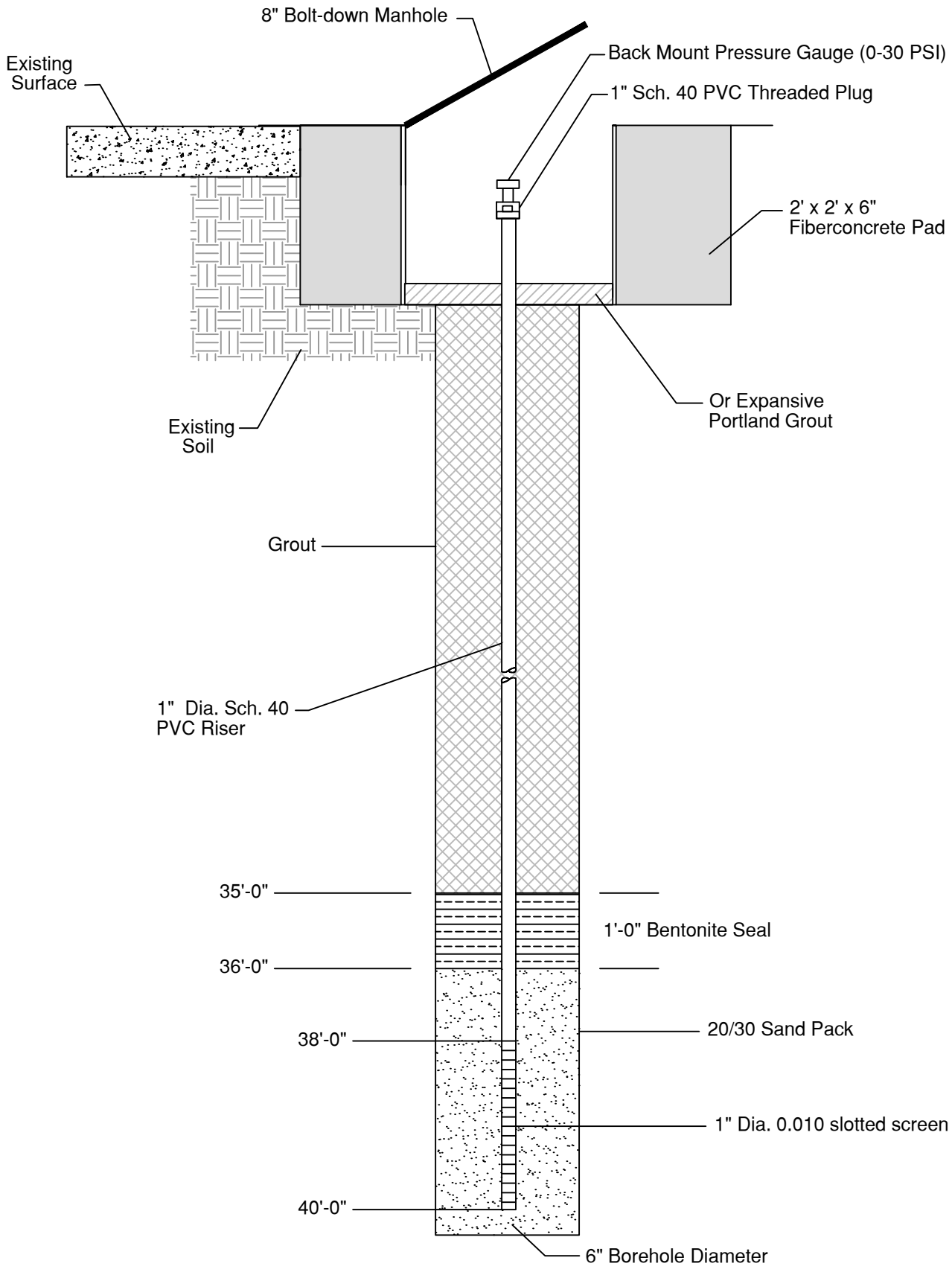
Site Map with Proposed Well Locations

Highland Home Country Store
19000 Montgomery Highway
Highland Home, Crenshaw County, AL



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Air Sparge Well Construction Detail

Highland Home Country Store
19000 Montgomery Highway
Highland Home, Crenshaw County, AL

Not to Scale

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UIC PERMIT APPLICATION

APPENDIX C

ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT (ADEM)
NOTICE OF INTENT – UIC GENERAL PERMIT NUMBER ALIG010000

Instructions: This form should be used to submit a Notice of Intent for coverage under UIC General Permit Number ALIG010000, which is the general permit authorizing discharges associated with injection of air, oxygen, or ozone to aid in the remediation of existing soil and/or groundwater contamination. Answer all questions. Incomplete or wrong answers will result in processing delays and possible denial of the permit application. If space is insufficient to address any item below please continue answer on an attached sheet of paper. Commencement of activities applied for in this Notice of Intent (NOI) are not authorized until permit coverage has been issued by the Department.

Permit Applicant Information

A. Applicant Name: Robert Shepard

B. Responsible Official (RO)*: Robert Shepard, Vice President

C. RO Mailing Address: P.O. Box 278, Andalusia, AL 36420

D. RO Phone Number: 334-222-9431

E. RO Email Address: robert.shepard@cdge.com

Property Owner Information (if different from the applicant)

F. Name: Donald & Dorothy Pike Family Trust, Owner

G. Mailing Address: 19000 Montgomery Highway, Highland Home, AL 36041

H. Phone Number: 702-565-1596

I. Email Address: sterlingoilcompany@gmail.com

Facility Information

J. Facility Name: Highland Home Country Store

K. Physical Address: 19000 Montgomery Highway, Highland Home, AL 36041

L. Phone Number: 334-537-9207

M. Latitude: 31.958914 Longitude: -86.311775

N. Directions to site:

Located 875 north of the intersection of Montgomery Highway (AL Hwy 331) and Evans Road

Process Information

O. Describe the fluids and/or pollutants to be injected and proposed operational procedures. Include estimated average and maximum daily injection rates as well as total volume to be injected:

Air

P. Number of injection wells (each point of injection is considered a separate well): 3

Signatures

Certification: I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attachments and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in the application, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

RO Signature: eNOI Date Signed: 06/30/2021

RO Name: Robert Shepard RO Title: Vice President

***NOTE:** This Notice of Intent must be signed by the responsible official who represents the permit applicant. Please check the appropriate box indicating the responsible official (only the people listed below may sign this Notice):

[X] in the case of a corporation, the principal executive officer of at least the level of vice-president;

[ ] in the case of a partnership, a general partner;

[ ] in the case of a sole proprietorship, the owner;

[ ] in the case of a municipal, state, federal, or other public agency, either a principal executive officer or ranking elected official.

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HEALTH AND SAFETY PLAN

APPENDIX D

Site Health and Safety Plan

Highland Home Country Store
19000 Montgomery Highway
Highland Home, Montgomery County, Alabama
Facility ID# 14681-041-010537
UST No. 08-12-08

Prepared For:

Sterling Oil Company, Inc.
P.O. Box 278
Greenville, Alabama 36037

Prepared By:

CDG Engineers & Associates, Inc.
1840 East Three Notch Street
Andalusia, Alabama 36420

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Table of Contents

Page No.

1.0 INTRODUCTION

This Health and Safety Plan (HASP) has been prepared specifically for corrective action activities to be conducted by CDG Engineers & Associates, Inc. (CDG) for the Highland Home Country Store site in Highland Home, Montgomery County, Alabama. These activities include all fieldwork necessary to conduct soil and groundwater remediation of petroleum hydrocarbons at the site.

2.0 PURPOSE

This HASP describes the preventative measures, personal protection, and safety procedures to be followed by CDG personnel and subcontractors during all field activities. The HASP has been prepared in accordance with and meets the requirements of the Occupation Safety and Health Administration (OSHA) General Safety Standards for industry under 29 CFR 1910 and construction under 29 CFR 1926, the joint NIOSH/OSHA/USCG/EPA, *Occupational Safety and Health Guidance Manual for Hazardous Waste Site Activities*, dated October 1985, and NFPA Safety Guidelines. Should any unexpected conditions arise, the HASP will be amended to accommodate site specific conditions.

3.0 KEY PERSONNEL AND RESPONSIBILITIES

All CDG personnel have received an initial 40-hour HAZWOPER certification, which is updated annually through an 8-hour refresher course. This training course meets the requirements of the OSHA 29 CFR 1910.120 standards. CDG personnel assigned to the project include:

NAME	TITLE	RESPONSIBILITIES
James Alan Barck	Professional Geologist	Overall management of entire project from beginning to completion. Responsible for preparation and implementation of the HASP and reporting of all hazard incidents to appropriate enforcement agencies. Coordinates and oversees all field activities.
Anna Brunson	Project Manager	Performs all field activities and is responsible for recognizing site hazards and reporting hazard incidents to Corporate HSO.

4.0 SCOPE OF WORK

Work to be performed will include monthly MEME/AS events followed by tri-annual groundwater monitoring events.

5.0 CHEMICAL HAZARDS

When conducting the corrective action activities, the primary chemicals of concern are gasoline.

5.1 Gasoline

Gasoline is a substance to be potentially encountered in the soil and groundwater at the site. Gasoline components include benzene, toluene, ethylbenzene, and xylenes (BTEX).

5.2 Hazard Identification

During the corrective action activities, many hazards or potential hazards may be encountered when dealing with gasoline or diesel. This section serves as a guideline in recognizing hazards associated with these chemicals that exist or may potentially arise during field activities. Recognition is the first step in eliminating exposure to these hazards.

Occasionally, methyl-tertiary butyl ether (MTBE) is encountered. MTBE has been used since 1979 as an oxygenate to gasoline in order to decrease carbon monoxide production in cars, particularly older model cars; however, MTBE has been determined to be a potential carcinogen. MTBE has low taste and odor thresholds, which can make a water supply non-potable even at low concentrations.

Exposure to MTBE will only be seen through exposure to gasoline containing MTBE and the effects of gasoline containing MTBE are relatively similar to gasoline not containing MTBE. The following are hazards associated with exposure to gasoline:

- Contact may irritate or burn the skin and eyes and absorption through the skin may be poisonous.
- Vapors may be poisonous if inhaled and are irritating to the respiratory tract.
- Vapors are an explosion hazard and may travel to a source of ignition and produce flashback.
- A gasoline fire may produce irritating and poisonous gases.
- Gasoline and diesel are flammable/combustible materials that may be ignited by heat,

sparks, or flames, and a gasoline container may explode when exposed to heat or fire.

The primary hazard associated with exposure to gasoline is the inhalation of vapors.

5.3 Hazard Prevention

Preventing exposure to chemical hazards generally requires the use of personal protective equipment (PPE). Level D equipment will provide the protection necessary to prevent exposure to these hazards. Level D equipment is discussed further in Section 10.1, Personal Protective Equipment.

5.4 Symptoms and First Aid Procedures

Many of the constituents found in gasoline and diesel act as central nervous system (CNS) depressants. The following table includes first aid measures for CNS depressants, which affect a person through inhalation (breathing), dermal (skin), or ingestion (mouth) exposure. In addition, the eye can be very sensitive to exposure to chemicals and is therefore included in the following table:

ROUTES OF EXPOSURE	SYMPTOMS	TREATMENT
Inhalation	Dizziness, nausea, lack of coordination, headache, irregular and rapid breathing, weakness, loss of consciousness, coma	Bring victim to fresh air. Rinse eyes or throat with plenty of water, if irritated. If symptoms are severe (victim vomits, is very dizzy or groggy, etc.), evacuate to hospital. Be prepared to administer CPR if certified. Monitor victim for at least 48 hours.
Dermal	Irritation, rash, or burning	Flush affected area with water for at least 15 minutes. Apply clean dressing and get medical attention.
Ingestion	Dizziness, nausea with stomach, cramps, loss of consciousness, coma	Evacuate victim to hospital. Do not induce vomiting.
Eye	Redness, irritation, pain, impaired vision	Flush with an abundant amount of water for at least 15 minutes. If severe, seek

		medical attention immediately.

6.0 EQUIPMENT/OPERATIONAL HAZARDS

The following sections will address the hazards, preventative measures, and first aid procedures associated with the drill rig, backhoes, and other heavy equipment. The drill rig used during these field activities generally requires the use of augers for probing. These augers are designed to rotate in a circular motion while being forced downward through the soil. Field personnel are required to assemble and disassemble these parts. Contact with these rotating parts is one recognized hazard. In addition, the machinery also contains parts that become increasingly heated during operation.

6.1 Hazard Identification

There are several hazards associated with the use of any type of drill rig or heavy machinery while performing corrective action activities. Generally during these field operations, the general public may become fascinated with the operation and approach the work area. All unauthorized personnel are required to remain 100 feet away from the work area. The site HSO officer will be responsible for keeping all unauthorized personnel away from the work area. The hazards associated with the use of a drill rig or other heavy machinery is as follows:

- Gasoline vapors from nearby dispensers can potentially enter the diesel-operated engine thereby causing fire/explosion hazards.
- Rotating augers may catch onto gloves or clothing thereby pulling hands or arms into the rotating machinery.
- Drilling equipment may rupture hydraulic hoses thereby releasing hydraulic fluids.
- Engine and exhaust systems of an engine are extremely hot during and following operation.
- Potential contact with overhead and underground utilities
- Open excavations/boreholes can be the source of trips and falls.
- Digging machinery such as backhoes may puncture subsurface utilities.
- Operators of heavy machinery may be unable to locate pedestrians near the operating equipment; therefore, all field personnel are to remain within eye contact of the

operator at all times during operation.

6.2 Hazard Prevention

Hazards associated with heavy machinery can easily be avoided with additional planning. The key to avoiding these hazards includes being familiar with the equipment and the process. In addition, being familiar with and implementing the precautionary measures listed below may reduce or eliminate the risks of a hazardous situation.

- Wear hard hat when working near or around the machinery
- Wear safety glasses when performing maintenance to machinery or power tools
- Shut down the machine engine when repairing or adjusting equipment
- Prevent accidental starting of the engine during maintenance procedures by removing or tagging ignition key
- Block wheels or lower leveling jacks and set hand brakes to prevent equipment form moving during drilling procedures
- When possible, release all pressure on hydraulic systems, drilling fluid systems, and air pressure systems of heavy machinery prior to performing maintenance
- Know the location of the emergency shut-off switch for all equipment
- Avoid contact with engine or exhaust system of engine following its operation
- Avoid using gasoline or other volatile/flammable liquids as a cleaning agent on or around heavy machinery
- Replace all caps, filler plugs, protective guards or panels, and high-pressure hose clamps, chains or cables moved during maintenance prior to excavation
- Avoid wearing rings or jewelry during drilling or installation procedures
- Be aware of all overhead and underground utilities
- Avoid alcohol or other CNS depressants or stimulants prior to excavation
- Avoid contact with equipment parts during freezing weather. Freezing of moist skin to metal can occur almost instantaneously
- Shut all field operations during an electrical storm
- Do not operate heavy equipment within 20 feet of overhead power lines

6.3 Symptoms and First Aid Procedure

Hazards associated with heavy equipment were identified in Section 6.1. Unlike hazards

associated with temperature or chemicals, symptoms will not be apparent with these types of hazards. In addition, these hazards will occur rapidly as opposed to over a period of time. Due to the size and composition of hydraulic vehicles, exposure to these hazards will range from extremely serious to life-threatening; therefore CDG requires that exposed field personnel seek medical attention at the nearest medical facility and the Project Manager be notified immediately. A site location map to the nearest hospital is presented in the back.

7.0 TEMPERATURE HAZARDS

Another hazard associated with corrective action activities involves working in extreme weather conditions. Temperatures in the Southeast USA during the spring, summer, and occasionally the fall seasons can vary from mild to extremely hot. During this season, extra precautions are necessary to prevent hazards associated with elevated temperatures, which result in various forms of heat stress. In addition, the Southeast is known for its rather mild winter condition; however, on occasion, the Southeast may experience freezing conditions; therefore, precautions are also necessary to prevent hazards associated with these extreme temperatures.

7.1 Heat

As stated in OSHA's regulatory guidelines for heat exposure operations involving high air temperatures, radiant heat sources, high humidity, direct physical contact with hot objects, or strenuous physical activities have a high potential for inducing heat stress. Additional factors to consider in the determination of heat stress on an individual include age, weight, degree of physical fitness, degree of acclimatization, metabolism, use of alcohol or drugs, and a variety of medical conditions such as hypertension (high blood pressure). The following sections will identify the hazards associated with heat stress, the measures needed in order to prevent exposure to these hazards, and first aid procedures in the event exposure to these hazards should occur.

7.1.1 Hazard Identification

Heat stress is a major hazard, especially for workers wearing protective clothing. Depending on the ambient conditions and the work being performed, heat stress can occur very rapidly- within as little as 15 minutes. The key to preventing excessive heat stress is educating personnel on the hazards associated with working in heat and the benefits of implementing proper controls and work practices. The hazards associated with heat stress

range from heat fatigue (mild discomfort) to heat stroke (extreme danger, which may result in death, and are discussed in the following sections.

7.1.1.1 Heat Fatigue

Heat fatigue occurs due to a lack of acclimatization (adjusting one's tolerance to work in elevated temperatures). Acclimatization is a gradual process. This process should include all field personnel being permitted to work in elevated temperatures in specified increments. On a daily basis, the maximum allowable work period should gradually be increased until the worker is able to perform his/her duties more proficiently under these conditions. The use of an acclimatization program is recommended in the regulatory guidelines established by OHSA.

7.1.1.2 Heat Rash

Heat rash (prickly heat) is the most common heat stress factor and may result form continuous exposure to heat or humid air where the skin remains wet due to lack of evaporation. Under these conditions, sweat ducts become plugged, and a skin rash appears, generally in areas where clothing is restrictive. This uncomfortable rash can be prevented by resting in a cool place during breaks and by implementing good daily personal hygiene.

7.1.1.3 Heat Collapse

Heat collapse is commonly referred to as "fainting." Fainting generally occurs when the brain does not receive enough oxygen. As a result of this condition, the exposed individual may lose consciousness. Heat collapse is rapid and unpredictable; therefore, acclimatization is an important factor in preventing this condition.

7.1.1.4 Heat Cramps

Heat cramps are muscular spasms, which usually occur in the abdomen or limbs due to loss of electrolytes following profuse sweating. Cramps are caused by either too much or too little salt intake. During the sweating process, salt exits the body; therefore, without the proper replenishment, the body experiences an electrolyte imbalance thereby inducing heat cramps. Thirst cannot be relied upon as a guide to the need for water. When working in hot environments, water must be replenished every 15 to 20

minutes.

7.1.1.5 Heat Exhaustion

Heat exhaustion is a result of overexertion in hot or warm weather. It is highly possible for an onsite worker to experience heat exhaustion due to the use of worker-protective coveralls, boots, gloves, and respirator protection, even when ambient temperatures are mild. Fainting may also occur with heat exhaustion. This can become an extreme hazard if operating heavy machinery.

Caution: Individuals with heart problems or on a "low sodium" diet who may work in these environments should consult a physician and Corporate HSO prior to working in these conditions.

7.1.1.6 Heat Stroke

Heat stroke is the most severe form of heat stress. The body's temperature control system is maintained through sweat production. Perspiration is a cooling process for the body and keeps the body core temperature within a stable range. During heat stroke, sweat production is inhibited and the body temperature begins to rapidly rise. Brain damage and death may occur if body core temperature is extremely elevated and is not reduced.

7.1.2 Hazard Prevention

Hazards associated with temperature extremes can also be prevented with additional planning and preparation. The hazards associated with temperature can range from heat fatigue to heat stroke as described previously in Section 7.1.1 Measures to ensure the prevention of temperature hazards are as follows:

- Adhere to acclimatization process by exposing field personnel to progressively longer periods of time in hot environments.
- Schedule work for early morning or evening during warm weather.
- Work in shifts; limit exposure time of personnel and allow frequent breaks.
- Have cool liquids at an Exclusion Zone border for exposed personnel to continuously replace body fluids. As stated in the previous section, OSHA recommends that fluids, preferably water and/or a water-electrolyte solution be replenished every 15 to 20 minutes.

- Avoid caffeine and alcoholic beverages both during work hours and 24 hours prior to performing field activities

The site HSO or designee should continually monitor personnel for signs of heat stress. If any signs of heat disorders are apparent, all field personnel must immediately rest and replenish fluids until body core temperature is lowered and remains stable.

7.1.3 Symptoms and First Aid Procedures

As discussed previously in Section 7.1.1, hazards associated with heat stress range from heat fatigue to heat stroke. Taking precautionary measures to ensure that personnel are not exposed to extreme temperatures for long periods of time can prevent these hazards. First aid measures for heat fatigue, heat rash, and heat collapse include taking frequent breaks so that the body core temperature can cool down. The following table includes first aid measures for signs of overexposure to heat.

TEMPERATURE HAZARDS	SYMPTOMS	TREATMENT
Heat Fatigue	Impaired performance of skilled sensorimotor, mental or vigilance jobs	No known treatment. Victim should be placed under cooler conditions until body core temperature lowers.
Heat Rash	Rash due to plugged sweat ducts, generally where clothing is restrictive	Keep dry towels or paper towels at the site to dry skin when excessive sweating occurs. Rash usually disappears when affected individual returns to cooler environment.
Heat Collapse	Loss of consciousness	Attempt to awaken individual. Relocate victim to a cooler area until body core temperature lowers and replenish fluids. Victim should rest for a few days.
Heat Cramps	Uncontrollable muscle spasms	Apply warm, moist heat and pressure to reduce pain. Give electrolyte drinks by mouth. Victim should intake additional potassium (Bananas are

		good potassium source).
Heat Exhaustion	Pale, clammy skin, profuse perspiration, weakness, headache, and nausea	Get victim into shade or cooler place. Immediately remove any protective clothing. Victim should drink plenty of fluids. Victim should lie down with feet raised. Fan and cool victim with wet compresses. If vomiting occurs, transport to hospital. Victim should rest for a few days.
Heat Stroke	Pale, dry skin due to lack of perspiration, weakness, unconsciousness	Immediately take precautions to cool body core temperature by removing clothing and sponging body with cool water, or placing in tub of cool water until temperature is lowered sufficiently (102°F). Stop cooling and observe victim for 10 minutes. Once temperature remains lowered, dry person off. Use fans or air conditioning, if available. Do not give the victim stimulants. Transfer to medical facility. Under no condition is the victim to be left unattended unless authorized by a physician.

8.0 EXPLOSION/ELECTROCUTION HAZARDS

As stated previously in Section 4.1, extensive efforts are made in order to determine the location of subsurface utilities prior to corrective action activities. Efforts are made to obtain the location of underground utilities through the Line Locator Services, and utility companies are notified in advance to perform a site inspection and utility marking; however, the potential for a subsurface utility to go unnoticed exists. Therefore, the hazards associated with exposure to these utilities are identified and preventative measures and first aid procedures are discussed further in the following sections.

8.1 Explosion

Primarily when dealing with subsurface utilities, two potentially life-threatening hazards exist. The first hazard identified in association with subsurface utilities during excavation activities is discussed further in the following sections.

8.1.1 Hazard Identification

The main hazard associated with puncturing a subsurface utility gas line is explosion. By releasing gas (usually natural gas, which is generally methane gas or propane gas) into the atmosphere, explosive conditions are favorable; therefore, ignition sources must be immediately eliminated in the event a gas release occurs. Due to the flammability of gasoline, ignition sources will be minimized; however, the engines are needed during field activities. Therefore, the only alternative to reducing the explosion hazard is to stop the release as soon as possible. However, when dealing with gases under pressure, the volatilization process may occur at such a rapid speed that an explosive situation is inevitable.

8.1.2 Hazard Prevention

Preventative measures are ensured prior to field activities. These measures generally encompass locating subsurface utilities. In addition, CDG will request local utility companies to perform site inspections and mark all subsurface utilities. In addition to this notification, if a particular subsurface utility is not identified and CDG suspects the utility to exist, CDG will take additional precautionary measures to ensure the suspected utility does not exist. These measures generally include locating utility meter boxes, etc. In addition, a field technician or subcontractor will generally probe the ground with a small rod in order to possibly identify the existence of subsurface utilities. This is conducted usually when machinery reaches 2-3 feet below the ground surface (ft-bgs).

8.2 Electrocution

8.2.1 Hazard Identification

The second main hazard associated with puncturing a subsurface electrical line or coming into contact with an overhead power line is electrocution. When dealing with electricity, all things are classified as either conductors or insulators. Conductors allow electricity to pass through them while insulators prevent electricity to pass through. Examples of conductors are metals, wood, and water, and examples of insulators are rubber and PVC. Humans are also classified as conductors; therefore, contact with electrical sources can be fatal.

Because the heavy machinery is metal, which has been classified as one of the best sources of electrical conduction, contact with exposed electrical lines will allow current to flow. The National Electrical Code (NEC) has determined that 20 milliamps (mA) of current can be

fatal. For comparison, a common household circuit breaker may conduct 15, 20, or 30 amps of electrical current.

8.2.2 Hazard Prevention

As stated previously in Section 8.1.2, preventative measures to locate subsurface and overhead electrical lines prior to corrective action activities are required by CDG. CDG will notify local utility companies to provide a site inspection and mark any existing subsurface electrical lines. In addition, CDG will contact the local power provider to insulate overhead lines if necessary. When dealing with the electrical components of the dewatering system, the following precautionary measures may prevent exposure to electrocution:

- Avoid contact with exposed connections/wiring and other related components
- If unfamiliar with the system, do not attempt contact with any component
- Call the Project Manager if unsure of any connections associated with the operations of the system.

8.2.3 Symptoms and First Aid Procedures

As discussed previously in Section 8.2.1, the hazard associated with puncturing subsurface electrical utilities and contacting electrical components of dewatering system is electrocution. The primary route of exposure is contact. The transmission of electricity is allowed because the metal equipment serves as a conductor for electrical current. Symptoms and treatment for exposure to electrical current is presented in the following table:

Caution: NEVER attempt to dislodge or remove someone that is contacting a high voltage line. Use an insulating material (PVC) to release the victim from the electrocution source.

9.0 MISCELLANEOUS HAZARDS

Additional hazards identified when performing corrective action activities have been classified as miscellaneous hazards due to the variety of these hazards. These hazards generally are nothing more than nuisances and with additional planning should be entirely avoidable; however, there are instances in which exposure to these hazards will occur. Therefore, these hazards are identified, and preventative measures and first aid procedures are discussed in further detail in the following sections.

9.1 Hazard Identification

Occasionally, exposure to common nuisances may potentially result in a life-threatening situation. For example, a wasp or bee sting for some individuals only causes irritation or localized soreness; however, to others with little tolerance for wasp or bee venom, an allergic reaction can result which could potentially lead to death if not treated immediately. Therefore, allergic reactions to these insects have been identified as a potential hazard. In addition to the insects, contact with black widow spiders (red hourglass), brown recluse spiders (violin shape on back), and snakes are also potential hazard.

9.2 Hazard Prevention

Prevention, with regards to miscellaneous hazards, is more difficult to plan ahead. Generally, prior to conducting corrective action activities, the primary location for the activities has been established; therefore, barricades such as cones and company vehicles can be placed around the work area to prevent exposure to incoming and ongoing vehicles. However, the limitation to using cones is that they are often small and unnoticeable to drivers once inside the vehicles; therefore, the best prevention with regards to this miscellaneous hazard is to constantly be aware of your surroundings. This preventative measure can also be applied to exposure to insects, snakes, and spiders. Be aware of your surrounding when working around dark, secluded areas such as cracks and crevices, where snakes, spiders, and mice like to hide.

9.3 Symptoms and First Aid Procedures

If an employee or subcontractor shows any signs of an allergic reaction (anaphylactic shock, hives, or difficulty breathing) to a sting or bite, immediately seek medical attention at the nearest hospital. In the event that an operating vehicle strikes a person, seek medical attention immediately. In the meantime, a first aid kit and eye wash bottle will be provided by CDG and should be kept in all company vehicles. If field personnel are aware of their allergic reactions to insect bites, CDG requires that medication be kept on hand during field activities and at least one other field technician be made aware of the medication in the event of an allergic reaction should occur.

10.0 ADDITIONAL PRECAUTIONS

Additional precautions have been implemented in order to ensure overall safety for all field personnel. The safety protocols listed in this segment are to be considered the minimum

requirements to be met by all field personnel engaging in corrective action activities.

10.1 Personal Protective Equipment

PPE is the most effective measure to prevent exposure to chemical hazards. There are four levels of PPE protection ranging from Level A to Level D equipment. Level A protection serves as the most conservative protective equipment, and Level D protection serves as the least conservative protective equipment. These levels are described further in the following table:

LEVELS OF PPE PROTECTION	PPE REQUIREMENTS
Level A	Worn when the highest level of respiratory, skin, and eye protection is necessary.
Level B	Worn when the highest level of respiratory protection is needed, but a lesser level of skin protection is necessary.
Level C	Worn when the criteria for using air-purifying respirators are met, and a lesser level of skin protection is necessary.
Level D	Refers to work conducted without respiratory protection. This level should be used only when the atmosphere contains no know or suspected airborne chemical or radiological contaminants and oxygen concentrations are between 19.5 % and 23.0%

Level D protective clothing, as indicated below, shall be considered the minimum requirements for installation and excavation operations:

- Hard hat
- Coveralls*
- Non permeable gloves
- Steel-toe, non-permeable boots
- Hearing protection*
- Safety goggles (chemical)*

*These items are mandatory on an “as needed” basis. Generally, normal site conditions do not warrant the use of this equipment; however, under certain conditions where large amounts of free product are encountered, the issue of coveralls and safety goggles may be warranted.

Safety goggles and hearing protection are mandatory when near the drill rig to reduce stress on the ear and also prevent objects from the soil or drill rig from lodging in the eye.
Equipment may be upgraded to Level C depending on the site conditions and/or monitoring results. Level C protection, in addition to Level D protection, includes the following:

- Rubber/chemical resistant outer gloves
- Face-shield if splash hazards exists
- Outer disposable booties
- Half-mask respirator

10.2 Signs, Signals, and Barricades

As stated previously in Section 9.1, corrective action activities are generally conducted at retail gasoline facilities and convenience stores, and are therefore, high traffic areas. All CDG field personnel must be aware of his/her surroundings at all times. In addition, the items listed below will be provided to secure the area in order to protect all field personnel as well as the general public.

- Utilize barricades to protect workers, pedestrians and vehicles from work activities
- Post area for “NO SMOKING”
- Utilize cones to protect workers from incoming and ongoing vehicles

10.3 Fire Protection and Prevention

As stated previously in Section 5.1, gasoline is a highly flammable substance. CDG requires that the work area be posted with “NO SMOKING” signs in an attempt to prevent fires from occurring; however, as a secondary precaution CDG plans to implement the following:

- Maintain a 20 lb. ABC Dry Chemical fire extinguisher on site at all times
- Eliminate ALL ignition sources in the vicinity of any releases
- The contractor will clean up all small spills using absorbent materials or by pumping

10.4 Storage and Decontamination

During the corrective action activities, impacted soils will be encountered. Groundwater will be treated and pumped to an NPDES outfall. Contaminated soil will be temporarily stored until

transported for disposal. Decontamination procedures will be implemented should chemical exposure occur. The procedures are detailed below:

- Avoid contact with liquid gasoline or diesel
- Place contaminated soil on visqueen and cover once removed from the excavation
- Change any product contaminated soil immediately
- Wash any contaminated skin surfaces immediately with soap and water

Caution: All personnel are required to wash hands at the completion of work, before and after restroom use and before eating in order to prevent dermal contact with or ingestion of contaminants encountered during field activities.

11.0 EMERGENCY CONTINGENCY PLAN

If an incident occurs that requires declaring an emergency, all personnel will assemble at a designated emergency meeting location for further instruction. Arrangement for decontamination, evacuation and/or transport will be made at that time. The client and appropriate CDG personnel will be notified of the incident as soon as possible.

11.1 Notification/Reporting Procedures

In the event of an emergency, CDG Project Manager will be notified as soon as possible regarding the nature of the incident and emergency service contact will be notified as needed (see Section 11.7, Contingency Contacts). It is the responsibility of the Site HSO to report all incidents to the CDG Corporate HSO so that the required reporting procedures may be implemented.

11.2 Hazardous Substance Release

In the event that potentially hazardous substances migrate from the work zone and potentially endanger unprotected personnel or the community all on site activities will cease until the release is brought under control. CDG will immediately notify the proper authorities so that they may be able to ensure that public health and safety is maintained throughout this process event to the extent of evacuation if necessary.

11.3 Personnel Injury

In the event of an injury, all personnel will assemble at the designated emergency meeting location. The Site HSO, prior to the beginning of filed activities should designate this location.

If the injured person is immobile one or more persons should remain nearby to provide any necessary first aid techniques. If medical help is necessary, the Site HSO will summon the appropriate assistance for transportation to the nearest medical facility. Due to the potential for these situations, CDG recommends that at least one qualified person be CPR/First Aid certified.

11.4 Evacuation Plan

Gasoline and diesel are flammable substances; therefore, a fire/explosion potential exists during the excavation activities. In the event of an onsite evacuation, the following plan will be implemented:

- A signal consisting of one continuous blast of a vehicle or air horn will be used
- All personnel will immediately evacuate the area and report to the designated emergency meeting location for further instruction

11.5 Spill Prevention and Response

In the event of a leak or spill, the area will be blocked using barricades, and the spill contained until absorbed and removed by authorized personnel. Unauthorized persons will be denied access to the area until all spills have been removed and field operations completed. CDG will follow prescribed procedures for reporting and responding to large releases by notifying the National Response Center (see Section 11.7). All materials will be disposed of according to regulatory guidelines.

11.6 Emergency Communication

In the event of an emergency situation, the following standard hand signals will be used onsite as a means of communication:

- Hand gripping throat- (cannot breathe)
- Grip partner's wrist or both hands around waist- (leave area immediately)
- Hands on top of head- (need assistance)
- Thumbs up- (OK, I am all right, I understand)
- Thumbs down- (No, negative)

11.7 Contingency Contacts

In the event of an emergency, CDG has provided several emergency contacts. These contacts, along with phone numbers, are listed in the following table. The Site HSO will be responsible for the notification of these contacts in the event of an emergency.

AGENCY	CONTACT	TELEPHONE NO.
Fire Department	Highland Home Volunteer FD	334-537-4340 or 911
Sheriff Department	Crenshaw County	334-335-6568
Ambulance	Haynes Ambulance Service	334-335-3374
Hospital	Crenshaw Community Hospital	334-335-3374
Corporate HSO	Robert Shepard	334-222-9431
Project Manager	Anna Brunson	334-222-9431
EPA RCRA-Superfund Hotline		800-424-9346
Chemtrec (24 hours)		800-424-9300
Bureau of Explosives (24 hours)		202-293-4048
Centers for Disease Control (Biological Agents)		404-633-5353
National Response Center		800-424-8802

MEDICAL FACILITY

Name of Hospital: Crenshaw Community Hospital

Address: 101 Hospital Circle
Luverne, Alabama 36049

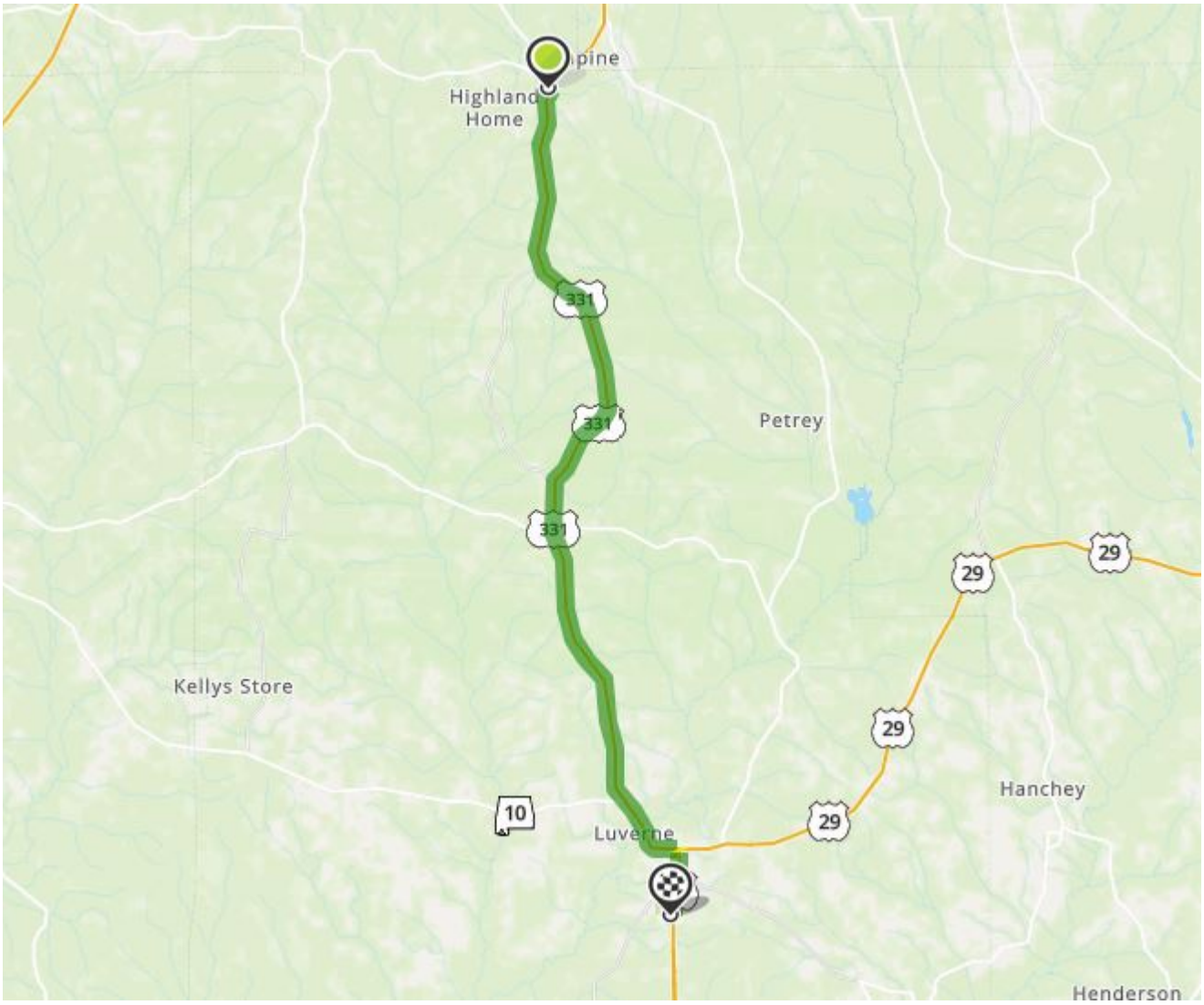
Phone: 334-335-3374

Route to Hospital: Start at 19000 Montgomery Highway and take a left going south on Highway 331 (18.9 miles); turn right on US Highway 29 (1.7 miles); turn left onto Hospital Circle

Travel Time from Site: 26 minutes

Distance to Hospital: 20.6 miles

In cases of construction accidents, rapid notification to OSHA is required.



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QUALITY ASSURANCE/QUALITY CONTROL MONITORING AND SAMPLING PLAN

APPENDIX E

QA/QC MONITORING/SAMPLING PLAN

FIELD ACTIVITIES

Groundwater Monitoring/Sampling Activity Protocols

Groundwater monitoring/sampling includes the following associated activities:

1) Measurement of free product if present;
2) Measurement of static water level;
3) Calculation of standing water volume (in well);
4) Well Evacuation
5) Collection of samples; and
6) Decontamination of equipment

Groundwater sampling parameters are recorded in the field on a monitoring well sampling record form. Details for the above referenced monitoring/sampling activities are described in the following sections.

Calculation of Standing Water Volume

The standing water volume in a monitoring well is calculated using the equation:

$v = 3.14 \times r^2 \times l$

(where **v** = well volume, **r** = well radius, and **l** = length of the water column).

The column of water in the well can be calculated using the equation:

$l = w - d$

(where **w** = distance from the top of casing to the bottom of the well and **d** = distance from the top of casing to the top of the water).

Well Evacuation

Well evacuation is initiated after the static water level is measured and the standing water volume has been calculated. Well evacuation is conducted by either using a new disposable (single-use) bailer, a well-dedicated PVC bailer, or a surface mounted pneumatic operated diaphragm pump. A diaphragm pump is only used in deep wells

(greater than 25 feet) or wells that yield such large volumes that hand-bailing is not practical.

Well evacuation with a bailer is performed by attaching a new nylon line to the bailer, and then lowering the bailer in to the well until the bailer is submerged. The bailer is then retrieved from the well in such a manner that the bailer and nylon line do not contact the ground or surrounding vegetation (to prevent contaminating the bailer or line). The water removed from the well is poured into a graduated bucket so that the amount of water removed can be determined. This procedure is repeated until three well volumes of water are removed, or until the well is purged dry. For wells that recharge very slowly, the purge water is limited to one well volume. The volume of groundwater purged from each well will be recorded.

Well evacuation with a diaphragm pump is conducted by lowering disposable tubing into the well to sufficient depth. For deeper wells, a PVC pipe, equipped with a foot valve (to stage-lift the water out of the well) will be employed. The piping will be dedicated to each well to prevent cross-contamination. Pumping will be performed until at least three well volumes are recovered (purge volume will be recorded).

Petroleum contaminated water (PCW) purged from wells in conjunction with groundwater monitoring/sampling activities will be processed through the on-site MPE system.

Groundwater Sample Collection

Groundwater samples are collected from monitoring wells not containing free-phase hydrocarbons unless otherwise directed by the ADEM. Groundwater sampling is performed using a new disposable bailer for each sampled well. The disposable bailers are purchased in individually wrapped packages and are not opened until ready to use. Once opened, the bailers are attached to a length of new nylon string. The bailer and string are not allowed to touch the ground or vegetation and are disposed of after each well. Sampling is accomplished by slowly lowering the bailer into the well to a depth where the bailer is almost completely submerged. The bailer is then slowly retrieved from the well to minimize agitation of the sample. Once collected, the water sample is

immediately transferred (poured slowly to minimize agitation and formation of air bubbles) into the designated sample containers.

Groundwater samples collected for BTEX/MTBE/Naphthalene analysis (volatile organics) are poured very slowly down the inside of the sample vial to avoid aeration. The sample vials, consisting of 40 ml glass with a Teflon septum cap, are provided directly from the CDG analytical laboratory. The groundwater sample is added to the vial until a convex meniscus is formed across the top of the vial. The Teflon septum cap is placed on the vial and the vial is upended to check for trapped air bubbles. If bubbles are present, the sample container is opened, and topped off again until an air-free sample is obtained. If the vial cannot be closed "air-free" after three tries, it is discarded. Two samples are collected for each BTEX/MTBE/Naphthalene (volatile) analysis. The preservation employed for BTEX/MTBE/Naphthalene (volatile) analysis will include either of the following (depending on holding time constraints):

- Cool collected sample to 4^{o}C and maintain (7-day holding time), or
- Add 4 drops concentrated HCl to sample vial (typically the acid is pre-added by the laboratory to the sample vial) and then cool sample to 4^{o}C and maintain (14-day holding time).

Immediately following collection of each groundwater sample, the sample is labeled, placed in bubble pack (to prevent the glass vial from breaking during shipping), and stored in an ice chest with sufficient ice. Each sample label includes the site location, sample identification number, name of collector, date/time of collection, and parameter(s) requested.

Following collection of all samples, the ice chest will be sealed and transported to the laboratory following appropriate chain of custody protocols (refer to description of Chain of Custody protocols provided below).

Decontamination of Groundwater Sampling Equipment

All equipment used for groundwater sampling is either well-dedicated or is used only once and disposed of. As a result, cleaning/decontamination of sampling equipment are minimal.

QA/QC PROCEDURES DISCUSSION

Chain of Custody

Sample custody begins with the CDG laboratory when sample kits are prepared and shipped for field personnel use at a specified project location. Responsibility for sample container materials and preparation lies with Waypoint Analytical laboratory. Upon receipt of the kits, CDG field personnel complete an inventory of the contents to confirm that the containers, etc. are adequate for the number of wells and specified analytes. Sample bottles may be pre-labeled and contain the proper preservative. The individual sample vials and/or other sample containers are not opened until used in the field. CDG will secure the sample kits inside the office until the specific sampling project is to be performed.

The samples remain in the custody of the CDG field personnel representative until delivered to Waypoint Analytical laboratory or dispatched via common carrier for shipment to the laboratory. In cases where samples leave the direct control of CDG personnel, such as shipment to a laboratory by a common carrier (FedEx, UPS, etc.), a seal will be provided on the shipping container or individual sample bottles to ensure that the samples have not been opened or otherwise disturbed during transportation.

To establish and maintain the documentation necessary to trace sample possession from the time of collection, a chain of custody record will be completed and will accompany every sample. The record contains the following types of information:

- Sample number
- Signature of collector
- Date and time of collection
- Sample type (soil, groundwater, air, etc.)
- Identification of well
- Number of containers
- Parameters requested for analysis
- Required detection limit
- Signature of person(s) involved in the chain of possession.

Field QA/QC Program

Various types of field blanks are collected to verify that the sample collection and handling process has not affected the quality or integrity of the samples.

1) Trip Blanks – A trip blank is a field blank that is transported from the laboratory to the sampling site, handled in the same manner as other samples, and then returned to the laboratory for analysis in determining QA/QC of sample handling procedures. The trip blank is prepared in the laboratory with distilled/organic free water and is utilized at a frequency of 1 trip blank for each cooler (or other shipping container) used to transport samples from the laboratory to the field and back to the laboratory.

2) Duplicate Sample – Duplicate samples are collected simultaneously from the same source, under identical conditions, into separate sample containers. These samples provide a check on the sampling techniques as well as laboratory equipment. Duplicate samples are only collected on groundwater samples at a frequency of one sample per sampling event.

The results of the analysis of the blanks will not be used to correct the groundwater data. If contaminants are found in the blanks, an attempt to identify the source of contamination will be initiated and corrective action, including re-sampling if necessary, will be evaluated.

After completing a sampling program, the field data package (field logs, calibration records, chain of custody forms, etc.) will be reviewed for completeness and accuracy. Some of the items considered in the Field Data Package Validation Procedure include but are not limited to the following:

- A completeness review of field data contained on water and soil sampling logs;
- A verification that sampler blanks were properly prepared, identified, and analyzed;
- A check on field analyses for equipment calibration and condition; and
- A review of chain of custody forms for proper completion, signatures of field personnel and the laboratory sample custodian, and dates.

Laboratory QA/QC Program

The selection of a contract laboratory can be directed either by the client or by CDG. In either case, the selection of the laboratory is typically based upon several factors including cost, laboratory certification, quality of data and reporting, and turn around time. The most critical factor in the selection of an analytical laboratory by CDG is the quality of data and reporting provided by the laboratory. Typically, the results of analytical laboratory testing dictate the activities conducted at a site. The activities conducted when selecting a laboratory include discussions with current and past customers, discussions with regulatory agencies, and review of laboratory QA/QC practices.

The normal turn around for samples will be two weeks for most samples. Prior to contracting a laboratory to conduct analysis, an estimate of the turn around time is obtained. If the expected turn around is in excess of three weeks, then a backup laboratory is contacted to determine their availability. A decision of which laboratory to use in a particular instance is made on a case-by-case basis.

Once an analytical report is received by CDG, validation of the analytical data package will be performed. The Analytical Data Package Validation procedure will include but is not limited to the following:

- A comparison of the Data Package to the reporting level requirements designed for the project, to ensure completeness;
- A comparison of sampling dates, sample extraction dates, and analysis dates to determine if samples were extracted and/or analyzed within the proper holding times' as failure in this area may render the data unusable;
- A review of analytical methods and required detection limits to verify that they agree with set standards as failure in this area may render the data unusable;
- A review of sample blanks to evaluate possible sources of contamination. The preparation techniques and frequencies, and the analytical results (if appropriate) will be considered; and
- A review of blanks (trip blanks, reagent blanks, method blanks, and extraction blanks) to assure that they are contamination free at the lowest possible detection limit. All blank contaminants must be explained or the data applicable

to those blanks will be labeled suspect and may only be sufficient for qualitative purposes.

- A review of detection limits, to ensure sample results are accurate to below the levels specified in the June 2016 ARBCA approved for this site.
- A review of data “qualifiers” reported by the laboratory for significance to the results.

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ADEM FORMS

APPENDIX F

UST RELEASE FACT SHEET

GENERAL INFORMATION:

SITE NAME: Highland Home Country Store
ADDRESS: 19000 Montgomery Highway
Highland Home, Crenshaw County, Alabama

FACILITY I.D. NO.: 14681-041-010537
UST INCIDENT NO.: 08-12-08

RESULTS OF EXPOSURE ASSESSMENT:

How many private drinking water wells are located within 1,000 ft. of site?	0
How many public water supply wells are located within 1 mile of the site?	0
Have any drinking water supply wells been impacted by contamination from this release?	No
Is there an imminent threat of contamination to any drinking water wells?	{ } Yes { x} No
Have vapors or contaminated groundwater posed a threat to the public?	{ } Yes { x} No
Are any underground utilities impacted or imminently threatened by the release?	{ } Yes { x} No
Have surface waters been impacted by the release?	{ } Yes { x} No
Is there an imminent threat of contamination to surface waters?	{ } Yes { x } No
What is the type of surrounding population?	Urban

CONTAMINATION DESCRIPTION:

Type of contamination at site: { X } Gasoline, { X } Diesel, { } Waste Oil
{ } Kerosene, { } Other _____

Free product present in wells? { X } Yes { } No
Maximum thickness measured: 2.34 feet in RW-3 on 11/01/10

Maximum TPH concentrations measured in soil: 397 ppm on 06/27/08

Maximum BTEX or PAH concentrations measured in groundwater: 110.8622 ppm BTEX in VW-1 on 07/22/10

ADEM GROUNDWATER BRANCH
UST SITE CLASSIFICATION SYSTEM
CHECKLIST

Please read all of the following statements and mark either yes or no if the statement applies to your site. If you have conducted a Preliminary or Secondary Investigation, all questions should be answered. Closure site assessment reports may not provide you with all the necessary information but answer the statements with the knowledge obtained during the closure site assessment.

SITE NAME:	Highland Home Country Store
SITE ADDRESS:	19000 Montgomery Highway
	Highland Home, Crenshaw County, Alabama
FACILITY I.D. NO.:	14681-041-010537
UST INCIDENT NO.:	UST 08-12-08
OWNER NAME:	Sterling Oil Company
OWNER ADDRESS:	P.O. Box 278
	Greenville, Alabama 36037
NAME & ADDRESS OF PERSON COMPLETING THIS FORM:	Anna Brunson, Project Manager
	CDG Engineers & Associates, Inc.
	P.O. Box 278
	Andalusia, Alabama 36420

CLASSIFICATION	***DESCRIPTION***	***YES***	***NO***
CLASS A	IMMEDIATE THREAT TO HUMAN HEALTH, HUMAN SAFETY OR SENSITIVE ENVIRONMENTAL RECEPTOR		
A.1	Vapor concentrations at or approaching explosive levels that could cause health effects, are present in a residence or building.	☐	☒
A.2	Vapor concentrations at or approaching explosive levels are present in subsurface utility system(s), but no buildings or residences are impacted.	☐	☒
CLASS B	IMMEDIATE THREAT TO HUMAN HEALTH, HUMAN SAFETY OR SENSITIVE ENVIRONMENTAL RECEPTOR		
B.1	An active public water supply well, public water supply line or public surface water intake is impacted or immediately threatened.	☐	☒
B.2	An active domestic water supply well, domestic water supply line or domestic surface water intake is impacted or immediately threatened.	☐	☒
B.3	The release is located within a designated Wellhead Protection Area I.	☐	☒
CLASS C	IMMEDIATE THREAT TO HUMAN HEALTH, HUMAN SAFETY OR SENSITIVE ENVIRONMENTAL RECEPTOR		
C.1	Ambient vapor/particulate concentrations exceed concentrations of concern from an acute exposure, or safety viewpoint.	☐	☒
C.2	Free product is present on the groundwater, at ground surface, on surface water bodies, in utilities other than water supply lines, or in surface water runoff.	☒	☐

CLASSIFICATION	*DESCRIPTION*	*YES*	*NO*
CLASS D	SHORT TERM THREAT TO HUMAN HEALTH, SAFETY, OR SENSITIVE ENVIRONMENTAL RECEPTORS		
D.1	There is a potential for explosive levels, or concentrations of vapors that could cause acute effects, to accumulate in a residence or other building.	☐	☒
D.2	A non-potable water supply well is impacted or immediately threatened.	☐	☒
D.3	Shallow contaminated surface soils are open to public access, and dwellings, parks, playgrounds, day care centers, schools or similar use facilities are within 500 feet of those soils.	☐	☒
CLASS E	SHORT TERM THREAT TO HUMAN HEALTH, SAFETY, OR SENSITIVE ENVIRONMENTAL RECEPTORS		
E.1	A sensitive habitat or sensitive resources (sport fish, economically important species, threatened and endangered species, etc.) are impacted and affected.	☐	☒
CLASS F	SHORT TERM THREAT TO HUMAN HEALTH, SAFETY, OR SENSITIVE ENVIRONMENTAL RECEPTORS		
F.1	Groundwater is impacted, and a public well is located within 1 mile of the site.	☐	☒
F.2	Groundwater is impacted and a domestic well is located within 1,000 feet of the site.	☐	☒
F.3	Contaminated soils and/or groundwater are located within designated Wellhead Protection Areas (Areas II or III).	☐	☒
CLASS G	SHORT TERM THREAT TO HUMAN HEALTH, SAFETY, OR SENSITIVE ENVIRONMENTAL RECEPTORS		
G.1	Contaminated soils and/or groundwater are located within areas vulnerable to contamination from surface sources.	☐	☒
GLASS H	SHORT TERM THREAT TO HUMAN HEALTH, SAFETY, OR SENSITIVE ENVIRONMENTAL RECEPTORS		
H.1	Impacted surface water, storm water or groundwater discharges within 500 feet of a surface water body used for human drinking water, whole body water-contact sports, or habitat to a protected or listed endangered plant and animal species.	☐	☒
CLASS I	LONG TERM THREAT TO HUMAN HEALTH, SAFETY, OR SENSITIVE ENVIRONMENTAL RECEPTORS		
I.1.	Site has contaminated soils and/or groundwater but does not meet any of the above-mentioned criteria.	☐	☒

ADDITIONAL COMMENTS:

Complete the classification evaluation questions listed above. Upon completion, determine the highest rank of the site (A.1 is the highest rank) based on the statements answered with a yes.

Enter the determined classification ranking:	C.2

CDG

Engineering. Environmental. Answers.

TASKS PERFORMANCE SUMMARY

APPENDIX G

TASK PERFORMANCE SUMMARY

Modified CAP, CP-43
Highland Home Country Store
19000 Montgomery Highway
Highland Home, Crenshaw County, Alabama

Task Completed by Personnel/Title:	Griffin Gatschet, P.G.	Alan Barck, P.G./P.E.	Anna Brunson, Project Manager	Michelle Grantham, Project Manager	Ray Hollinghead, Drafter	Kim Ballard, Administrative Assistant	Kim Ballard, Administrative Assistant	Patricia Horwath, Administrative Assistant
Project Management			X					
Work Plan Preparation/Review	X		X					
Cost Proposal Preparation/Review	X		X			X	X	X
Field Work								
Data Interpretation/Tabulations			X					
Drafting					X			
Report Preparation/Review		X	X			X	X	X
Payment Request Preparation/Review			X	X		X	X	X

Notes:
DO=Drilling Oversight
BL=Boring Log Description/Soil Classification
WG=Well Gauging
GSC=Groundwater Sample Collection
MEME=MEME Oversight
PM=Project Management
O&M=Routine Operation & Maintenance
HRS=High Resolution Study
VM=Vapor Monitoring
FC=Fan Check