

PRELIMINARY DETERMINATION

PERMIT RENEWAL AND MINOR MODIFICATION

Industrial Waste, Inc.
P.O. Box 3405
Oxford, Alabama 36203

Industrial Waste, Inc. Landfill
Permit No. 08-19

June 3, 2025

Industrial Waste, Inc. has submitted to the Alabama Department of Environmental Management (ADEM) an application for renewal and modification of the Solid Waste Disposal Facility Permit for the Industrial Waste, Inc. Landfill (Permit 08-19). The proposed modifications include an update to the Groundwater Monitoring Plan to reflect current operations onsite, the addition of two groundwater monitoring wells, and the addition of foundry sand as an alternate weekly cover. The waste stream for the Industrial Waste, Inc. Landfill would remain non-hazardous industrial waste, construction and demolition waste, friable asbestos, petroleum-contaminated soil, tires, clearing and grubbing debris, dried sludges, paper, and foundry sand. The service area for the Industrial Waste, Inc. Landfill would remain Calhoun, Cleburne, and Northern Talladega County, Alabama. The maximum average daily volume of waste disposed at the Industrial Waste, Inc. Landfill would remain 500 cubic yards per day. All conditions of the current permit, including previously approved variances, have been requested and would be granted in the renewed permit.

The Industrial Waste, Inc. Landfill is located in the Southwest $\frac{1}{4}$ of Section 35, Township 15 South, Range 7 East and the Northwest $\frac{1}{4}$ of Section 2, Township 16 South, Range 7 East in Calhoun County, Alabama. The Industrial Waste, Inc. Landfill consists of approximately 80.00 acres with 18.08 acres approved for disposal.

The Land Division has determined that the permit renewal application and the minor modification application comply with the applicable requirements of ADEM's Administrative Code 335-13 regulations for an industrial waste landfill.

Technical Contact:

Melissa H. Adornato
Solid Waste Engineering Section
Land Division
(334) 270-5605



SOLID WASTE DISPOSAL FACILITY PERMIT

PERMITTEE: Industrial Waste, Inc.

FACILITY NAME: Industrial Waste, Inc. Landfill

FACILITY LOCATION: Southwest ¼ of Section 35, Township 15 South, Range 7 East and the Northwest ¼ of Section 2, Township 16 South, Range 7 East in Calhoun County, Alabama. The total permitted area is approximately 80.00 acres with 18.08 acres approved for disposal.

PERMIT NUMBER: 08-19

PERMIT TYPE: Industrial

WASTE APPROVED FOR DISPOSAL: Non-hazardous industrial waste, construction and demolition waste, friable asbestos, petroleum-contaminated soil, tires, clearing and grubbing debris, municipal sludges, paper, and foundry sand

APPROVED WASTE VOLUME: Maximum Average Daily Volume of 500 cubic yards per day

APPROVED SERVICE AREA: Calhoun County, Cleburne County, and Northern Talladega County in Alabama

In accordance with and subject to the provisions of the Alabama Solid Wastes and Recyclable Materials Management Act, as amended, Code of Alabama 1975, §§ 22-27-1 to 22-27-27 ("SWRMMA"), the Alabama Environmental Management Act, as amended, Code of Alabama 1975, §§ 22-22A-1 to 22-22A-15, and rules and regulations adopted thereunder, and subject further to the conditions set forth in this permit, the Permittee is hereby authorized to dispose of the above-described solid wastes at the above-described facility location.

ISSUANCE DATE: ???????????

EFFECTIVE DATE: ???????????

EXPIRATION DATE: ???????????

Alabama Department of Environmental Management

**ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
SOLID WASTE PERMIT**

Permittee: Industrial Waste, Inc.
P.O. Box 3405
Oxford, Alabama 36203

Landfill Name: Industrial Waste, Inc. Landfill

Landfill Location: Southwest ¼ of Section 35, Township 15 South, Range 7 East and the Northwest ¼ of
Section 2, Township 16 South, Range 7 East
Calhoun County

Permit Number: 08-19

Landfill Type: Industrial

Pursuant to the Solid Wastes & Recyclable Materials Management Act, Code of Alabama 1975, Section 22-27-1, *et seq.*, as amended, and attendant regulations promulgated thereunder by the Alabama Department of Environmental Management (ADEM), this permit is issued to Industrial Waste, Inc. (hereinafter called the Permittee), to operate a solid waste disposal facility, known as the Industrial Waste, Inc. Landfill.

The Permittee must comply with all terms and conditions of this permit. This permit consists of the conditions set forth herein (including those in any attachments), and the applicable regulations contained in Chapters 335-13-1 through 335-13-16 of the ADEM Administrative Code (hereinafter referred to as the "ADEM Admin. Code"). Rules cited are set forth in this document for the purpose of Permittee reference. Any Rule that is cited incorrectly in this document does not constitute grounds for noncompliance on the part of the Permittee. Applicable ADEM Administrative Codes are those that are in effect on the date of issuance of this permit or any revisions approved after permit issuance.

This permit is based on the information submitted to the Department on March 15, 2022, and as amended, for permit renewal, and on September 20, 2022, for modification, and as amended, known as the Permit Application (hereby incorporated by reference and hereinafter referred to as the Application). Any inaccuracies found in this information could lead to the termination or modification of this permit and potential enforcement action. The Permittee must inform the Department of any deviation from or changes in the information in the Application that would affect the Permittee's ability to comply with the applicable ADEM Admin. Code or permit conditions.

This permit is effective as of ????????????, and shall remain in effect until ????????????, unless suspended or revoked.

Alabama Department of Environmental Management

Date Signed

SECTION I. STANDARD CONDITIONS

- A. Effect of Permit. The Permittee is allowed to dispose of nonhazardous solid waste in accordance with the conditions of this permit and ADEM Admin. Code 335-13. Issuance of this permit does not convey property rights of any sort or any exclusive privilege, nor does it authorize any injury to persons or property, any invasion of other private rights, or any infringement of state or local laws or regulations. Except for actions brought under Code of Alabama 1975, Section 22-27-1, *et seq.*, as amended, compliance with the conditions of this permit shall be deemed to be compliance with applicable requirements in effect as of the date of issuance of this permit and any future revisions.
- B. Permit Actions. This permit may be suspended, revoked, or modified for cause. The filing of a request for a permit modification or the notification of planned changes or anticipated noncompliance on the part of the Permittee, and the suspension or revocation does not stay the applicability or enforceability of any permit condition.
- C. Severability. The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.
- D. Definitions. For the purpose of this permit, terms used herein shall have the same meaning as those in ADEM Admin. Code 335-13, unless this permit specifically provides otherwise; where terms are not otherwise defined, the meaning associated with such terms shall be as defined by a standard dictionary reference or the generally accepted scientific or industrial meaning of the term.
1. "EPA", for purposes of this permit, means the United States Environmental Protection Agency.
 2. "Permit Application", for the purposes of this permit, means all permit application forms, design plans, operational plans, closure plans, technical data, reports, specifications, plats, geological and hydrological reports, and other materials which are submitted to the Department in pursuit of a solid waste disposal permit.
- E. Duties and Requirements.
1. Duty to Comply. The Permittee must comply with all conditions of this permit except to the extent and for the duration such noncompliance is authorized by a variance granted by the Department. Any permit noncompliance constitutes a violation of Code of Alabama 1975, Section 22-27-1 *et seq.*, as amended, and is grounds for enforcement action, permit suspension, revocation, modification, and/or denial of a permit renewal application.
 2. Duty to Reapply. If the Permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the Permittee must apply for and obtain a new permit. The renewal application must be submitted to the Department at least one hundred eighty (180) days before this permit expires.
 3. Permit Expiration. This permit and all conditions therein will remain in effect beyond the permit's expiration date if the Permittee has submitted a timely, complete application as required by Section I, Paragraph E, Subparagraph 2, and, through no fault of the Permittee, the Department has not made a final decision regarding the renewal application.
 4. Need to Halt or Reduce Activity Not A Defense. It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity to maintain compliance with the conditions of this permit.
 5. Duty to Mitigate. In the event of noncompliance with this permit, the Permittee shall take all reasonable steps to minimize releases to the environment and shall carry out such measures as are reasonable to prevent significant adverse impacts on human health or the environment.

6. Proper Operation and Maintenance. The Permittee shall, at all times, properly operate and maintain all facilities and systems of control (and related appurtenances) that are installed or used by the Permittee to achieve compliance with the conditions of this permit.
7. Duty to Provide Information. If requested, the Permittee shall furnish to the Department, within a reasonable time, any information that the Department may reasonably need to determine whether cause exists for denying, suspending, revoking, or modifying this permit, or to determine compliance with this permit. If requested, the Permittee shall also furnish the Department with copies of records kept as a requirement of this permit.
8. Inspection and Entry. Upon presentation of credentials and other documents as may be required by law, the Permittee shall allow the employees of the Department or their authorized representative to:
 - a. Enter at reasonable times the Permittee's premises where the regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit.
 - b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit.
 - c. Inspect, at reasonable times, any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit.
 - d. Sample or monitor, at reasonable times, any substances or parameters at any location for the purposes of assuring permit compliance or as otherwise authorized by Code of Alabama 1975, Section 22-27-1 *et seq.*
9. Monitoring, Corrective Actions, and Records.
 - a. Samples and measurements taken for the purpose of monitoring or corrective action shall be representative of the monitored activity. The methods used to obtain representative samples to be analyzed must be the appropriate method from ADEM Admin. Code 335-13-4 or the methods as specified in the Application attached hereto and incorporated by reference. Laboratory methods must be those specified in Standard Methods for the Examination of Water and Wastewater (American Public Health Association, latest edition), Methods for Chemical Analysis of Water and Wastes (EPA-600/4-79-020), Test Methods for Evaluating Solid Waste, Physical/Chemical Methods (EPA Publication SW-846, latest edition), other appropriate EPA methods, or as specified in the Application. All field tests must be conducted using approved EPA test kits and procedures.
 - b. The Permittee shall retain records, at the location specified in Section I, Paragraph I, of all monitoring, or corrective action information, including all calibration and maintenance records, copies of all reports and records required by this permit, and records of all data used to complete the application for this permit for a period of at least three years from the date of the sample, measurement, report or record, or for periods elsewhere specified in this permit. These periods may be extended by the request of the Department at any time and are automatically extended during the course of any unresolved enforcement action regarding this facility.
 - c. Records of monitoring and corrective action information shall include.
 - i. The exact place, date, and time of sampling or measurement.
 - ii. The individual(s) and company who performed the sampling or measurements.
 - iii. The date(s) analyses were performed.

- iv. The individual(s) and company who performed the analyses.
 - v. The analytical techniques or methods used.
 - vi. The results of such analyses.
- d. The Permittee shall submit all monitoring and corrective action results at the interval specified elsewhere in this permit.
- 10. Reporting Planned Changes. The Permittee shall notify the Department, in the form of a request for permit modification, at least one hundred twenty (120) days prior to any change in the permitted service area, increase in the waste received, or change in the design or operating procedure as described in this permit, including any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.
- 11. Transfer of Permit. This permit may be transferred to a new owner or operator. All requests for transfer of permits shall be in writing and shall be submitted on forms provided by the Department. Before transferring ownership or operation of the facility during its operating life, the Permittee shall notify the new owner or operator in writing of the requirements of this permit.
- 12. Certification of Construction. Before the Permittee may commence disposal of waste in any new cell or phase:
 - a. The Permittee must submit a letter to the Department signed by both the Permittee and a professional engineer stating that the facility has been constructed in compliance with the permit.
 - b. The Department must inspect the constructed cells or phases unless the Permittee is notified that the Department will waive the inspection.
 - c. The Permittee may not commence disposal activities in any new cells or phases until approval of the new cells or phases is granted by the Department.
- 13. Noncompliance. The Permittee shall report all instances of noncompliance with the permit at the time noncompliance is discovered.
- 14. Other Information. If the Permittee becomes aware that information required by the Application was not submitted or was incorrect in the Application or in a report to the Department, the Permittee shall promptly submit such facts or information. In addition, upon request, the Permittee shall furnish to the Department, within a reasonable time, information related to compliance with the permit.
- F. Design and Operation of Facility. The Permittee shall maintain and operate the facility to minimize the possibility of a fire, explosion, or any unplanned sudden or nonsudden release of contaminants (including leachate and explosive gases) to air, soil, groundwater, or surface water, which could threaten human health or the environment.
- G. Inspection Requirements.
 - 1. The Permittee shall comply with all requirements of ADEM Admin. Code 335-13-4-.21(1)(b).
 - 2. The Permittee shall conduct random inspections of incoming loads.
 - 3. Records of all inspections shall be included in the operating record.
- H. Recordkeeping and Reporting.

1. The Permittee shall maintain a written operating record at the location specified in Section I, Paragraph I. The operating record shall include:
 - a. Documentation of inspection and maintenance activities.
 - b. Daily Volume reports.
 - c. Personnel training documents and records.
 - d. Solid/Hazardous Waste Determination Forms for Industrial Wastes, and associated ADEM disposal approval correspondence for industrial wastes and special wastes.
 - e. Groundwater monitoring records, if required.
 - f. Explosive gas monitoring records, if required.
 - g. Surface water and leachate monitoring records, if required. Monitoring is subject to applicable conditions of Section VI of the permit.
 - h. Copies of this Permit and the Application.
 - i. Copies of all variances granted by the Department, including copies of all approvals of special operating conditions.
2. Quarterly Volume Report. Beginning with the effective date of this permit, the Permittee shall submit, within thirty (30) days after the end of each calendar quarter, a report summarizing the daily waste receipts for the previous (just ended) quarter. Copies of the quarterly reports shall be maintained in the operating record.
3. Monitoring and Corrective Action Reports. The Permittee shall submit reports on all monitoring and corrective action activities conducted pursuant to the requirements of this permit, including, but not limited to, groundwater, surface water, explosive gas, and leachate monitoring. If groundwater monitoring is required in Section IV, groundwater monitoring shall be conducted in March and September of each year, or as directed by the Department, and the reports shall be submitted at least semi-annually, or as directed by the Department. The reports should contain all monitoring results and conclusions from samples and measurements conducted during the sampling period. Explosive gas monitoring must be conducted on a yearly basis, and the reports should be submitted to the Department and placed in the operating record within thirty (30) days of the monitoring event. Copies of the groundwater and explosive gas monitoring reports shall be maintained in the operating record.
4. Availability, Retention, and Disposition of Records.
 - a. All records, including plans, required under this permit or ADEM Admin. Code 335-13 must be furnished upon request and made available at reasonable times for inspection by any officer, employee, or representative of the Department.
 - b. All records, including plans, required under this permit or ADEM Admin. Code 335-13 shall be retained by the Permittee for a period of at least three years. The retention period for all records is extended automatically during the course of any unresolved enforcement action regarding the facility, or as requested by the Department.
 - c. A copy of records of waste disposal locations and quantities must be submitted to the Department and local land authority upon closure of the facility.

- I. Documents to be Maintained by the Permittee. The Permittee shall maintain, at the Industrial Waste, Inc., the following documents and amendments, revisions, and modifications to these documents until an engineer certifies closure of the permitted landfill:
1. Operating record.
 2. Closure Plan.
- J. Mailing Location. All reports, notifications, or other submissions which are required by this permit should be sent via signed mail (i.e. certified mail, express mail delivery service, etc.) or hand delivered to:
1. Mailing Address.
Chief, Solid Waste Branch, Land Division
Alabama Department of Environmental Management
P.O. Box 301463
Montgomery, AL 36130-1463
 2. Physical Address.
Chief, Solid Waste Branch, Land Division
Alabama Department of Environmental Management
1400 Coliseum Blvd.
Montgomery, Alabama 36110-2400
- K. Signatory Requirement. All applications, reports or information required by this permit, or otherwise submitted to the Department, shall be signed and certified by the owner as follows:
1. If an individual, by the applicant.
 2. If a city, county, or other municipality or governmental entity, by the ranking elected official, or by a duly authorized representative of that person.
 3. If a corporation, organization, or other legal entity, by a principal executive officer, of at least the level of Vice President, or by a duly authorized representative of that person.
- L. Confidential Information. The Permittee may claim information submitted as confidential pursuant to ADEM Admin. Code 335-1-1-.06.
- M. State Laws and Regulations. Nothing in this permit shall be construed to preclude the initiation of any legal action or to relieve the Permittee from any responsibilities, liabilities, or penalties established pursuant to any applicable state law or regulation.

SECTION II. GENERAL OPERATING CONDITIONS

- A. Operation of Facility. The Permittee shall operate and maintain the disposal facility consistent with the Application, this permit, and ADEM Admin. Code 335-13.
- B. Open Burning. The Permittee shall not allow open burning without prior written approval from the Department and other appropriate agencies. A burn request should be submitted in writing to the Department outlining why that burn request should be granted. This request should include, but not be limited to, specifically what areas will be utilized, types of waste to be burned, the projected starting and completion dates for the project, and the projected days and hours of operation. The approval, if granted, shall be included in the operating record.

- C. Prevention of Unauthorized Disposal. The Permittee shall follow the approved procedures, as provided in the Application, for detecting and preventing the disposal of free liquids, regulated hazardous waste, PCBs, regulated medical waste, and other unauthorized waste streams at the facility.
- D. Unauthorized Discharge. The Permittee shall operate the disposal facility in such a manner that there will be no water pollution or unauthorized discharge. Any discharge from the disposal facility, or practice thereof, may require a National Pollutant Discharge Elimination System permit under the Alabama Water Pollution Control Act.
- E. Industrial Waste Disposal. The Permittee shall dispose of industrial waste as required by ADEM Admin. Code 335-13-4-.21(1)(c), and as specified in the Application.
- F. Boundary Markers. The Permittee shall ensure that the facility is identified with a sufficient number of permanent boundary markers that are at least visible from one marker to the next.
- G. Certified Operator. The Permittee shall be required to have an operator certified by the Department on-site during hours of operation, in accordance with the requirements of ADEM Admin. Code 335-13-12.

SECTION III. SPECIFIC REQUIREMENTS FOR INDUSTRIAL WASTE LANDFILLS

- A. Waste Identification and Management.
 - 1. Subject to the terms of this permit, the Permittee may dispose of the nonhazardous solid wastes listed in Section III, Paragraph B. Disposal of any other wastes is prohibited, except waste granted a temporary or one time waiver by the Director.
 - 2. The total permitted facility area for the Industrial Waste, Inc. Landfill is approximately 80.00 acres with 18.08 acres permitted for disposal operations.
 - 3. The maximum average daily volume of waste disposed at the facility shall not exceed 500 cubic yards per day. Should the average daily volume exceed this value by 20% or 100 tons/day, whichever is less, for two (2) consecutive quarters, the Permittee shall be required to modify the permit in accordance with ADEM Admin. Code 335-13-5-.06(2)(b)2. An increase in maximum average daily volume shall not be approved by the Department unless the Permittee has received local approval for the increased maximum average daily volume. The average daily volume shall be computed as specified by ADEM Admin. Code 335-13-4-.23(2)(f).
- B. Waste Streams. The Permittee may accept for disposal non-hazardous industrial waste, construction and demolition waste, friable asbestos, petroleum contaminated soil, tires, clearing and grubbing debris, municipal sludges, paper, and foundry waste.
- C. Service Area. The Permittee is allowed to accept waste for disposal from Calhoun County, Cleburne County, and Northern Talladega County in Alabama.
- D. Waste Placement, Compaction, and Cover. All waste shall be confined to an area as small as possible within a single working face and placed onto an appropriate slope not to exceed 3 to 1 (33%) (See Section VIII, Paragraph 1.). All waste shall be spread in layers two feet or less in thickness and thoroughly compacted weekly with adequate landfill equipment prior to placing additional layers of waste or placing the weekly cover. Friable asbestos shall be covered at the end of each working day and disposed of as specified by ADEM Admin. Code 335-13-4-.26(2)(b). A minimum of six inches of compacted earth or other alternative cover material approved by the Department and listed in Section VIII shall be added at the conclusion of each week's operation unless a variance is granted in Section VIII. The Permittee has been approved to use foundry sand as alternate weekly cover. The Permittee shall be required to cover the active cell with six inches of earthen cover at the conclusion of each month's activities. (See Section VIII, Paragraph 5.)

- E. Liner Requirements. The Permittee shall install a liner system as described in the Application, as follows: a one (1) foot thick clay liner compacted in lifts of 6 inches within 2 percent of optimum moisture content to a field density which correlates with a laboratory permeability of 1×10^{-7} cm/sec or less, a four (4) inch thick drainage and protection layer on top of the clay liner consisting of ½ inch to 4 inch crushed rock, and followed by a two (2) foot layer of select waste placed above the drainage layer to protect the integrity of the drainage layer and clay liner and to permit drainage of leachate.
- The base of the waste shall be a minimum of five (5) feet above the highest measured groundwater level as determined by ADEM Admin. Code 335-13-4-.11(2)(a).
- F. Security. The Permittee shall provide artificial and/or natural barriers, which prevent entry of unauthorized vehicular traffic to the facility.
- G. All Weather Access Roads. The Permittee shall provide an all-weather access road to the dumping face that is wide enough to allow passage of collection vehicles.
- H. Adverse Weather Disposal. The Permittee shall provide for disposal activities in adverse weather conditions.
- I. Personnel. The Permittee shall maintain adequate personnel to ensure continued and smooth operation of the facility.
- J. Environmental Monitoring and Treatment Structures. The Permittee shall provide protection and proper maintenance of environmental monitoring and treatment structures.
- K. Vector Control. The Permittee shall provide for vector control as required by ADEM Admin. Code 335-13.
- L. Bulk or Non-Containerized Liquid Waste. The Permittee shall not dispose of bulk or noncontainerized liquid waste, or containers capable of holding liquids, unless the conditions of ADEM Admin. Code 335-13-4-.23(1)(j) are met.
- M. Empty Containers. Empty containers larger than 10 gallons in size must be rendered unsuitable for holding liquids prior to disposal in the landfill unless otherwise approved by the Department.
- N. Other Requirements. The Department may enhance or reduce any requirements for operating and maintaining the landfill as deemed necessary by the Land Division.
- O. Other Permits. The Permittee shall operate the landfill according to this and any other applicable permits.
- P. Scavenging and Salvaging Operations. The Permittee shall prevent scavenging and salvaging operations, except as part of a controlled recycling effort. Any recycling operation must be in accordance with plans submitted and approved by the Department.
- Q. Signs. If the landfill is available to the public or commercial haulers, the Permittee shall provide a sign outlining instructions for use of the site. The sign shall be posted and have the information required by ADEM Admin. Code 335-13-4-.23(1)(f).
- R. Litter Control. The Permittee shall control litter.
- S. Fire Control. The Permittee shall provide fire control measures.

SECTION IV. GROUNDWATER MONITORING REQUIREMENTS

A. The Permittee shall install and/or maintain a groundwater monitoring system, as specified below:

1. The permittee shall maintain the groundwater monitoring wells and piezometers identified in Table IV.1. at the locations specified in the Application and any other groundwater monitoring wells which are added (Section IV, Paragraph A, Subparagraph 4) during the active life and the post-closure care period.
2. The Permittee shall maintain groundwater monitoring wells MW-4 and MW-5 as the background groundwater monitoring wells for the entire facility.
3. The Permittee shall evaluate the groundwater data (statistical analysis) as described in the Application/Groundwater Monitoring Plan and ADEM Admin. Code 335-13-4-.27.
4. The Permittee shall install and maintain additional groundwater monitoring wells as necessary to assess changes in the rate and extent of any plume of contamination or as otherwise deemed necessary to maintain compliance with the ADEM Admin. Code 335-13.
5. Prior to installing any additional groundwater monitoring wells, the Permittee shall submit a plan to the Department with a permit modification request specifying the design, location, and installation of any additional monitoring wells. This plan shall be submitted at least one hundred twenty (120) days prior to the installation which, at a minimum, shall include:
 - a. Well construction techniques including proposed casing depths, proposed total depth, and proposed screened interval of well(s);
 - b. Well development method(s);
 - c. A complete analysis of well construction materials;
 - d. A schedule of implementation for construction; and
 - e. Provisions for determining the lithologic characteristics, hydraulic conductivity, and grain-size distribution for the applicable aquifer unit(s) at the location of the new well(s).

B. Groundwater Monitoring Requirements.

1. The Permittee shall determine the groundwater surface elevation at each monitoring well and piezometer identified in Table IV.1. each time the well or piezometer is sampled and at least semi-annually throughout the active life and post-closure care period.
2. The Permittee shall determine the groundwater flow rate and direction in the first zone of saturation at least annually or each time groundwater is sampled and submit as required by ADEM Admin. Code 335-13.
3. Prior to the initial receipt of waste at the facility, the Permittee shall sample and analyze for the parameters listed in Appendix I of ADEM Admin. Code 335-13-4, and/or any other parameters specified by the Department in Table IV. 2., in all monitoring wells identified in Section IV, Paragraph A, Subparagraph 2, to establish background water quality and/or as directed by ADEM Admin. Code 335-13-4-.27(2)(j) and ADEM Admin. Code 335-13-4-.27(2)(a)(1).
4. The Permittee shall sample and analyze all monitoring wells identified in Table IV.1 for the parameters listed in Appendix I of ADEM Admin. Code 335-13-4, and any other parameters specified by the Department in Table IV.3, on a semi-annual basis throughout the active life of the facility and the post-closure care period in accordance with ADEM Admin. Code 335-13-4-.27(3). Sampling shall be

conducted during March and September of each year beginning with the effective date of this permit. The records and results of this sampling activity shall be submitted to the Department within ninety (90) days of the date of sampling.

5. In addition to the requirements of Section IV, Paragraph B, Subparagraphs 1, 2, 3, and 4, the Permittee shall record water levels, mean sea level elevation measuring point, depth to water, and the results of field tests for pH and specific conductance at the time of sampling for each well.

C. Sampling and Analysis Procedures. The Permittee shall use the following techniques and procedures when obtaining and analyzing samples from the groundwater monitoring wells described in Section IV, Paragraph A, to provide a reliable indication of the quality of the groundwater:

1. Samples shall be collected, preserved, and shipped (when shipped off-site for analysis) in accordance with the procedures specified in the Application. Monitoring wells shall be bailed or pumped to remove at least four times the well volume of water. Slow recharge wells shall be bailed until dry. Wells shall be allowed to recharge prior to sampling.
2. Samples shall be analyzed according to the procedures specified in the Application, Standard Methods for the Examination of Water and Wastewater (American Public Health Association, latest edition), Methods for Chemical Analysis of Water and Wastes (EPA-600/4-79-020), Test Methods for Evaluating Solid Waste, Physical/Chemical Methods (EPA Publication SW-846, latest edition), or other appropriate methods approved by this Department. All field tests must be conducted using approved EPA test kits and procedures.
3. Samples shall be tracked and controlled using the chain-of-custody and QA\QC procedures specified in the Application.
4. The Permittee is approved for **inter-well** statistical analysis.

D. Recordkeeping and Reporting Requirements.

1. Recording of Results. For each sample and/or measurement taken pursuant to the requirements of this permit, the Permittee shall record the information required by Section I, Paragraph E, Subparagraph 9c.
2. Recordkeeping. Records and results of all groundwater monitoring, sampling, and analysis activities conducted pursuant to the requirements of this permit shall be included in the operating record required by Section I, Paragraph I, Subparagraph 1.

E. Permit Modification. If at any time the Permittee or the Department determines that the groundwater monitoring system no longer satisfies the requirements of ADEM Admin. Code 335-13-4-.14 or Section IV, Paragraph A, of this permit, the Permittee must, within one hundred twenty (120) days, submit an application for a permit modification to make any necessary and/or appropriate changes to the system.

TABLE IV.1.
GROUNDWATER MONITORING WELLS

| Monitoring Well Number | Top of Casing (feet msl) | Part Monitoring |
|---------------------------------------|-----------------------------|---------------------|
| UPGRADIENT/BACKGROUND MONITORING WELL | | |
| MW-4 | 835.00 | Cells I1 through M3 |
| MW-5 | 846.16 | Cells A1 through H3 |
| DOWNGRADIENT MONITORING WELLS | | |
| MW-2 | 846.16 | Entire Landfill |
| MW-3 | 865.37 | Cells A1 through H3 |
| MW-7 | 882.57 | Cells A1 through H3 |
| MW-8 | 823.30 | Cells I1 through M3 |
| MW-9 | 846.80 | Entire Landfill |

TABLE IV.2.
BACKGROUND GROUNDWATER MONITORING

NOTE: The parameters in this Table are those listed in Appendix I of ADEM Admin. Code 335-13-4.

NOTE: The Permittee shall conduct a minimum of four independent sampling events as the initial sampling event and analyze for the parameters listed above in order to establish background water quality. Following the four independent events, the Permittee can submit a request, with justification, for the deletion of or change in these parameters.

TABLE IV.3.
SEMI-ANNUAL GROUNDWATER MONITORING PARAMETERS

NOTE: The parameters to be monitored for in this Table are those listed in Appendix I of ADEM Admin. Code 335-13-4 and/or any other waste stream specific parameters.

SECTION V. GAS MONITORING REQUIREMENTS

The permittee must install and maintain an explosive gas monitoring system in accordance with ADEM Admin. Code 335-13.

SECTION VI. LEACHATE AND SURFACE WATER MANAGEMENT REQUIREMENTS

The Permittee must collect and dispose of the leachate that is generated at the facility. The Permittee shall install a leachate collection system designed to maintain less than 12 inches (30 cm) depth of leachate over the liner. Prior to initial disposal, the permittee shall provide the Department with a letter from the receiving publicly or privately

owned treatment works approving the acceptance of the leachate. Discharges to publicly or privately owned treatment works may be subject to the requirements of the ADEM Water Division's State Indirect Discharge (SID) Program. The permittee shall construct and maintain run-on and run-off control structures. Surface water discharges from drainage control structures shall be permitted through the ADEM Water Division's National Pollutant Discharge Elimination System (NPDES) Program.

SECTION VII. CLOSURE AND POST-CLOSURE REQUIREMENTS

The Permittee shall close the landfill and perform post-closure care of the landfill in accordance with ADEM Admin. Code 335-13.

- A. Final Cover. The Permittee shall grade final soil cover such that surface water does not pond over the permitted area as specified in the Application. The final cover system shall comply with ADEM Admin. Code 335-13. The Permittee has been granted a variance from ADEM Admin. Code 335-13-4-.20(2)(c)2. requiring that the maximum final grade of the final cover system shall not exceed 25% (4 to 1). The maximum final grade of the final cover system shall not exceed a final grade of 33.3% (3 to 1). (See Section VIII, Paragraph 1.)
- B. Vegetative Cover. The Permittee shall establish a vegetative or other appropriate cover, as approved by the Department, within ninety (90) days after completion of final grading requirements in the Application. Preparation of a vegetative cover shall include, but not be limited to, the placement of seed, fertilizer, mulch, and water.
- C. Notice of Intent. The Permittee shall place in the operating record and notify the Department of their intent to close the landfill prior to beginning closure.
- D. Completion of Closure Activities. The Permittee must complete closure activities of each landfill unit in accordance with the Closure Plan within one hundred eighty (180) days of the last known receipt of waste.
- E. Certification of Closure. Following closure of each unit, the Permittee must submit to the Department a certification, signed by a registered professional engineer, verifying the closure has been completed according to the Closure Plan.
- F. Post-Closure Care Period. Post-closure care activities shall be conducted after closure of each unit throughout the life of this permit and continuing for a period of a minimum of thirty (30) years following closure of the facility. The Department may shorten or extend the post-closure care period applicable to the solid waste disposal facility.
- G. Post-Closure Maintenance. The Permittee shall provide post-closure maintenance of the facility to include regularly scheduled inspections. This shall include maintenance of the cover, vegetation, monitoring devices and pollution control equipment, and correction of other deficiencies that may be observed by the Department. Monitoring requirements shall continue throughout the post-closure period as determined by the Department unless all waste is removed and no unpermitted discharge to waters of the State has occurred.
- H. Post-Closure Use of Property. The Permittee shall ensure that post-closure use of the property never be allowed to disturb the integrity of the final cover, liner, or any other component of the containment system. This shall preclude the growing of deep-rooted vegetation on the closed area.
- I. Certification of Post-Closure. Following post-closure of each unit, the Permittee must submit to the Department a certification, signed by an independent registered professional engineer, verifying the post-closure has been completed according to the Post-Closure Plan.
- J. Recording Instruments. The Permittee must provide documentation of compliance with the requirements of the Uniform Covenants Program in ADEM Admin. Code 335-5 and shall execute the following:

1. Record a notation onto the land deed within ninety (90) days from the certification of closure. This notation shall state that the land has been used as a solid waste disposal facility, the name of the Permittee, type of disposal activity, location of the disposal facility, and beginning and closure dates of the disposal activity.
 2. File the covenant at the courthouse where the land deed is held within thirty (30) days of receipt of the covenant signed by ADEM's Land Division Chief.
 3. The Permittee shall submit a certified copy of the recording instrument to ADEM within one hundred twenty (120) days after permit expiration, revocation, or as directed by ADEM as described in the Application.
- K. Removal of Waste. If the Permittee, or any other person(s), wishes to remove waste, waste residues, or any liner or contaminated soils, the owner must request and receive prior approval from the Department.

SECTION VIII. VARIANCES AND SPECIAL CONDITIONS

1. The Permittee has been granted a variance from ADEM Admin. Code 335-13-4-.23(1)(c) requiring 4 to 1 slopes on the working face and ADEM Admin. Code 335-13-4-.20(2)(c)2. requiring that the maximum final grade of the final cover system not exceed 25% (4 to 1). The Permittee is required to maintain a slope not to exceed a final grade of 33.3% (3 to 1) on the working face and final closure. (See Section III, Paragraph D, and Section VII, Paragraph A.)
2. Friable asbestos is a special waste and is subject to the requirements of ADEM Admin. Code 335-13-4-.26(2). (See Section III, Paragraph B.)
3. Foundry wastes are special wastes and are subject to the requirements of ADEM Admin. Code 335-13-4-.26(3). The foundry wastes must undergo a quarterly TCLP (Toxicity Characteristic Leaching Procedure) analysis for the RCRA (Resource Conservation and Recovery Act) 8 metals, submit each analysis to the Department, and maintain a copy in the landfill's operating records. The Permittee has been approved to accept foundry waste with exhibits less than 50 percent of each of the toxicity characteristics levels for metals as defined by the USEPA's TCLP for disposal at this landfill (See Section III, Paragraph B.)
4. Petroleum-contaminated soil is a petroleum-contaminated waste which is subject to ADEM Admin. Code 335-13-4-.26(4). In some cases (see ADEM Admin. Code 335-13-4-.26(4)(b)2.), the petroleum-contaminated soil must undergo a quarterly TCLP (Toxicity Characteristic Leaching Procedure) analysis for the RCRA (Resource Conservation and Recovery Act) 8 metals, submit each analysis to the Department, and maintain a copy in the landfill's operating records. (See Section III, Paragraph B.)
5. The Permittee may utilize foundry sand which exhibits less than 50 percent of each of the toxicity characteristics levels for metals as defined by the USEPA's Toxicity Characteristic Leaching Procedure (TCLP) as an alternate weekly cover. The Permittee shall be required to cover the active cell with six inches of earthen cover at the conclusion of each month's activities. (See Section III, Paragraph D.)

Any variance granted by the Department may be terminated by the Department whenever the Department finds, after notice and opportunity for hearing, that the petitioner is in violation of any requirement, condition, schedule, limitation, or any other provision of the variance, or that operation under the variance does not meet the minimum requirements established by state and federal laws and regulations or is unreasonably threatening the public health.

**Permit No. 08-19 Renewal
and Minor Mod Applications**

March 11, 2022

Received

MAR 15 2022

Land Division

Mr. Jonathan Crosby
Solid Waste Engineering Section
Alabama Department of Environmental Management
PO Box 301463
Montgomery, AL 36130-1463



PO Box 3405
Oxford, AL 36203

256.835.3377

Via: Certified Mail #7018 0360 0001 1691 3895

RE: Application and attachments for Landfill Permit Renewal #08-19

Dear Mr. Crosby,

In regards to our Landfill Permit # 08-19 application for renewal, enclosed are the following:

- Solid Waste Application Form 439 in which we have included a Variance numbered 11.
- Address labels for property owners adjoining/surrounding the Landfill.
- Google Map - Highways
- Longitude and Latitude of the property
- A copy of our Landfill Operations Manual
- A check for the renewal fee in the amount of \$8,150.00.

Our current permit will expire September 25, 2022. As per rule we are submitting the application within 180 days prior to expiration date.

Please review and let me know if there is anything else you will need.

If you have questions, please call Tommy Taylor at: 256-239-1040 or call me at: 256-835-3377.

Best regards,

Brenda S. Gay
President
bsg

enclosures: 6 listed above

SOLID WASTE APPLICATION

Received

MAR 15 2022

Land Division

PERMIT APPLICATION
SOLID WASTE DISPOSAL FACILITY
ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
(Submit in Triplicate)

1. Facility type: ☐ Municipal Solid Waste Landfill (MSWLF)
☒ Industrial Landfill (ILF)
☐ CCR Landfill (CCRLF)
☐ CCR Surface Impoundment (CCRSI)
☐ Other (explain) _____

2. Facility Name Industrial Waste, Inc.

3. Applicant:

Name: Tommy H. Taylor

Address: PO Box 3405 Oxford, AL 36203

Telephone: 256-835-3377

4. Location: (include county highway map or USGS map)

Township 15 South Range 7 East and Township 16 South Range 7 East
Section 35 County Calhoun Section 2 County Calhoun

5. Land Owner:

Name: Industrial Waste, Inc.

Address: PO Box 3405 Oxford, AL 36203

Telephone: 256-835-3377

(Attach copy of agreement from landowner if applicable.)

Solid Waste Permit Application
Page 2

6. Contact Person:

Name Brenda S. Gay

Position or
Affiliation President

Address: PO Box 3405 Oxford, AL 36203

Telephone: 256-835-3377

7. Size of Facility: 80 Acres Size of Disposal Area(s): 18.08 Acres

8. Identify proposed service area or specific industry that waste will be received from:

Calhoun County, Cleburne County and Northern Talladega County in Alabama

9. Proposed maximum average daily volume to be received at landfill (choose one):

500 Tons/Day 500 Cubic Yards/Day

10. List all waste streams to be accepted at the facility (i.e., household solid waste, wood boiler ash, tires, trees, limbs, stumps, etc.):

Non-hazardous industrial wastes, construction and demolition wastes, asbestos,
peteroleum contaminated soils, clearing and grubbing debris, dried sludges,
foundry sand, baghouse dust and paper wastes.

11. VARIANCE: 3:1 Working slope and 2.5:1 Closed Slopes


SIGNATURE

3/10/2022
DATE

Taylor Holdings, Inc.
PO Box 3405
Oxford, AL 36203

Huron Valley Steel
820 Ware Street
Anniston, AL 36201

Robert Satcher, et al
PO Box 806
Lawrenceville, VA 23868

Clarence & Nellie Satcher
230 Shady Glen Road
Anniston, AL 36201

Alfonzo Satcher
C/O: Nelldria Satcher Slaton
335 Morimer Street
Buffalo, NY 14204

Curtis Ware
3531 Ammons Street
Anniston, AL 36201

Cinderella Green
1202 Central City Lane
Anniston, AL 36201

Vera & Clarence Pickel
3905 Gallant Fox Court
Duluth, GA 30096

Tommy Taylor
PO Box 3405
Oxford, AL 36203

Homer Kirby
164 Anthony Drive
Anniston, AL 36201

Brooklyn Scales Freeman
2510 McDaniel Avenue
Anniston, AL 36201

Reginald & Lorie Johnson
145 Arnett Road
Madison, AL 35756

Julia Birdsing Johnson
PO Box 4294
Anniston, AL 36204

Eden Hills Inc.
PO Box 2327
Anniston, AL 36202

Union Foundry
Division of McWane
1501 W. 17th Street
Anniston, AL 36201

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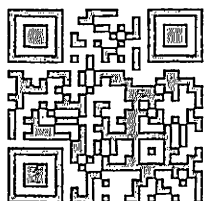
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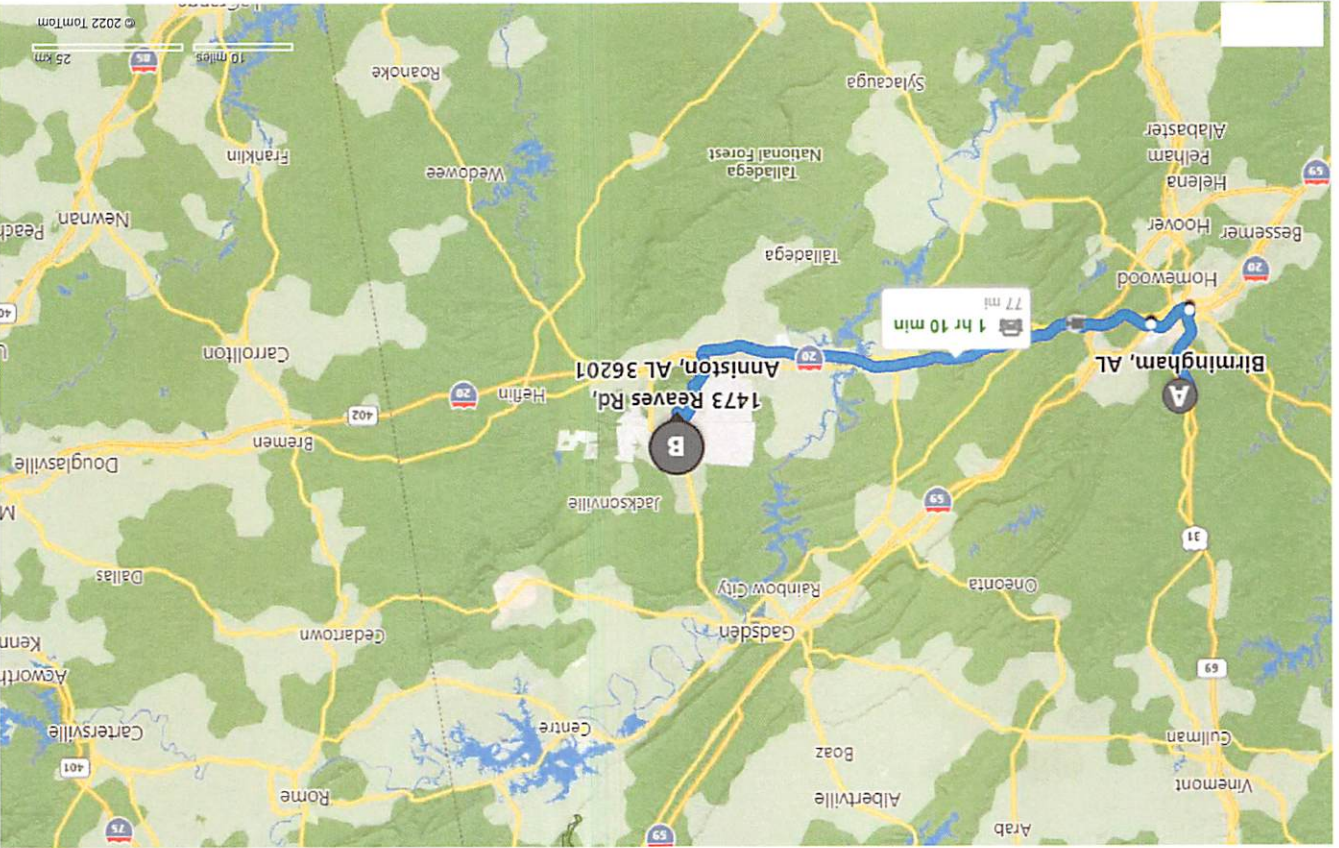
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GENUINE / AUTHENTIQUE / GENUINO



Industrial Waste, Inc. Landfill
1473 Reaves Road
Anniston, AL 36201
Calhoun County

Latitude and Longitude

Lat. 33 degrees 40 minutes 36.61 seconds
Long. 85 degrees 52 minutes 30.22 seconds

**Landfill Operations Manual
for
Industrial Waste, Inc. Landfill
Non-hazardous Industrial Waste and C & D
1473 Reaves Road
Anniston, AL 36201**

Pursuant to ADEM Permit 08-19

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 - i. Copies of all Variances
 - j. Quarterly Volume Report
 - k. Groundwater Monitoring Wells

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- A. Leachate and Surface Water Management

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- A. Slopes on Working Face 3:1 Slopes and Slopes on Closed Face 2.5:1

SECTION I STANDARD AND GENERAL OPERATING CONDITIONS

A. Type of Waste Accepted: ADEM Permit allows IWI to accept nonhazardous solid waste. IWI shall operate and maintain the disposal facility consistent with the permit; and Special Wastes approved by ADEM. Will follow approved procedures for the detecting and preventing of free liquids, regulated hazardous wastes, PCB's and medical waste. Shall operate the facility in a manner as per the permit that there will be no water pollution or unauthorized discharge. Shall accept industrial waste only as required by Permit. Shall have an operator certified by ADEM on-site during hours of operation

1. Waste Stream: Nonhazardous industrial waste, construction and demolition debris, asbestos, petroleum contaminated soil, tires, clearing and grubbing debris, dried sludges, paper and foundry sand. Foundry sand must have a current ADEM Waste Profile. Asbestos must be bagged and dumped at the toe of the slope and covered immediately.

2. Service Area: Accept waste from Calhoun County, Cleburne County and Northern Talladega County in Alabama.

3. Liner Requirement: Shall have a clay liner. The base of the waste will be a minimum of five (5) feet above the temporal fluctuation of the groundwater table.

4. Security: Will provide artificial and/ or natural borders to prevent entry of any unauthorized vehicular traffic to the facility. The property is completely surrounded by trees and vegetation as well as fencing and large boulders in areas to prevent vehicular access. The only entrance road is secured with steel gates which are kept locked during non-working hours.

5. All Weather Access Roads: Will provide an all-weather access road to the dumping face that is wide enough to allow passage of collections vehicles.

6. Permitted Facility Area: IWI has an area of approximately 80 acres with 18.08 acres permitted by ADEM for disposal.

7. Signs: Shall post signs outlining instructions for access to and for use of the site.

8. Open Burning: Shall not allow open burning without prior written approval from ADEM and other appropriate agencies. Burn request should be submitted in writing to ADEM outlining why the request should be granted. Request should include specifically what areas will be utilized, types of wastes to be burned, the projected starting and completion dates and the projected days and hours. Approval shall be included in operating record.

9. Boundary Markers: Shall insure the facility is identified with a sufficient number of permanent boundary markers that are visible from one marker to the next.

10. Maximum Average Daily Volume: 500 Cubic Yards per day.

11. Scavenging and Salvaging Operations: Will not allow or take part in any scavenging and salvaging operations.

12. Litter Control: Shall control litter. Any waste scattered or blown from active face waste will be kept cleared on a regular basis.

13. Fire Control: IWI will provide fire control measures.

14. Waste Placement, Compaction and Cover: Shall contain all waste to a confined area as small as possible and place on a slope not to exceed 3:1. Waste shall be spread in layers of 2 feet or less in thickness and thoroughly compacted with a Compactor and/or a

Dozer a soil cover of a minimum of 6 inches will be placed over working face weekly.

B. Duties and Responsibilities

1. Compliance: Must comply with all terms of ADEM Permit #08-19
2. Duty to Provide Information: Must provide access to or copies of any portion of Operating Record upon request of ADEM.
3. Inspection and Entry: Must grant access to facility and records to ADEM personnel for inspection of compliance.

C. Monitoring, Corrective Actions and Records

1. Samples and Measurements: Samples taken for the purpose of monitoring or corrective action; the methods used to obtain samples to be analyzed and laboratory methods must the appropriate method as specified in the Permit.
2. Retain Records: All sampling and reports will be maintained in Operating Record.
3. Certification of Construction: May not commence disposal in any new cell or phase until submitting to ADEM by certified mail or hand delivery a letter signed by IWI and a professional engineer stating the facility has been constructed in compliance with the permit. ADEM must inspect the constructed cells or phase before waste disposal can begin unless IWI has been notified by ADEM that they will waive the inspection.
4. Compliance Schedules: Reports of compliance or noncompliance with any progress reports and final requirements required and approved by ADEM must be submitted no later than 14 days following each schedule date.

D. Design and Operation of Facility: Shall maintain and operate to minimize the possibility of a fire, explosion, or any unplanned sudden or nonsudden release of contaminants (including leachate and explosive gases) to air, soil, groundwater or surface water, which could threaten human health or the environment.

E. Record keeping and Reporting

1. Operating Record: Shall maintain a written Operating Record at the facility location.

- a. Documentation of inspections and maintenance
- b. Daily Volume
- c. Personnel Training Documents
- d. Solid/Hazardous Waste Determination
- e. Groundwater Monitoring-Record/Report semi annually
- f. Explosive Gas Monitoring-Record/Report annually
- g. Surface Water and Leachate Monitoring
- h. Copies of Permit and Application
- i. Copies of any and all Variances
- j. Quarterly Volume Reports-Record/Report quarterly
- k. Groundwater MW Sampling-Record/Report semi annually

SECTION II WASTE SCREENING

A. Waste Identification and Management

1. Personnel: Shall provide adequate personnel to ensure a continued and smooth operation of the facility. Personnel shall wear eye, hearing and head protection, reflective vests, gloves, proper clothing and footwear for the environment. Will wear respiratory protection devices according to conditions.

2. Waste Streams: Nonhazardous industrial waste, construction and demolition debris, asbestos, petroleum contaminated soil, tires, clearing and grubbing debris, dried sludges, paper and foundry sand.

3. Generator Waste Screening - Three step process

Step 1: The majority of waste hauled to our facility is placed in our containers and hauled by our truck drivers. Prior to accepting waste from an Industrial Waste Facility, management will meet with generator and inspect the proposed waste and instruct generator as to what types of wastes can be accepted. In cases of foundry sand and baghouse dust, management will only accept if provided a current ADEM Waste Profile. Generators who use our containers for C & D and demolition are instructed by phone as to accepted and unaccepted waste and must sign a binding Service Agreement in which such wastes are defined.

Step 2: When all loads come in to the facility they are visually viewed by a member of management who is a certified operator, for any free liquids or any unacceptable wastes. If any unaccepted waste is suspected the truck is sidelined for further inspection and determination.

Step 3: After passing Step 2 the truck is directed to the working face where a certified operator will allow the load to be dumped. Each load will be inspected for any unacceptable waste before it is placed on the working slope. If there is unacceptable waste, the Operator will immediately notify Landfill Manager. Landfill Manager will hold the truck until an assessment can be completed and the unacceptable waste will either be loaded back on the truck/container or the area will be quarantined until the appropriate authorities are notified. Any unacceptable waste will be documented and photographed. Generator will be given a warning and subject to service being terminated. All documentation and photographs will be maintained in operating record.

B. Waste Placement, Compaction and Cover: IWI shall contain all waste to a confined area as small as possible and place on a slope not to exceed 3:1. Waste shall be spread in layers two feet or less in thickness and thoroughly compacted with a Compactor and/or a Dozer and then covered with a weekly soil cover a minimum of six inches.

C. Vector Control: Shall distribute bait on a regular basis.

D. Liquid Wastes: Will not dispose of any bulk or non-containerized liquid waste or containers capable of holding liquids. Any dried sludges and similar wastes must pass a paint filter test before it can be accepted. Will not accept any type of free liquid.

E. Empty Containers: IWI will render unusable any containers larger than 5 gallons in size for holding liquids prior to disposal in the landfill. Drums, buckets or containers in waste must be open with no lids and dry inside with no remaining residue.

SECTION III GROUNDWATER MONITORING

A. Monitor Wells: At our facility we have installed seven monitor wells: MW-1 through MW-7. As per our permit MW-4 and MW-5 are maintained as the upgradient groundwater monitoring wells; and MW-3 and MW-7 are downgradient groundwater monitoring wells.

1. Maintenance of Wells: Wells have a barrier of boulders around them to protect from equipment and vehicles. They are kept locked and secure. Personnel trims vegetation from around wells as needed. All personnel can locate and identify wells.

B. Groundwater Monitoring Requirements:

1. Surface Elevation: IWI will determine the groundwater surface elevation at each well and piezometer identified each time the well is sampled throughout the active life and post-closure care period.

2. Flow Rate: IWI will determine the groundwater flow and direction in the first zone of saturation annually or each time sampled and submit as required to ADEM.

3. Sampling Parameters: IWI adheres to sampling parameters set in permit.

4. Sampling: IWI will sample and analyze all monitoring wells for the parameters as set in permit by ADEM during March and September each year on a semi annual basis throughout active life of the facility.

5. Water Levels/Recording: IWI will record water levels, mean sea level elevation measuring point, depth to water, and the results of field tests pH and specific conductance at the time of sampling for each well.

C. Sampling and Analysis Procedures

1. Collections and Preservation: IWI will collect samples preserved and shipped off site in accordance with the procedures specified by permit. Slow recharge wells will be bailed until dry. Wells will be allowed to recharge prior to sampling.

2. Analysis: Analysis: Samples shall be analyzed according to the procedure of the permit Standard Methods for Examination of Water and Wastewater (America Public Health Association) Methods for Chemical Analysis of Water and Wastes (EPA-600/4-79-020, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods (EPA Publication SW-846) or other appropriate methods approved by ADEM. All Field tests will be conducted using approved EPA test kits and procedures.

3. Sample Tracking: IWI will track all samples and control by using the chain-of-custody and QA/QC procedures.

4. Groundwater Monitoring Wells Table and Locations can be found on Back Page of this manual.

D. Record keeping and Reporting

1. Record keeping: IWI will maintain records of all groundwater monitoring, sampling, and analysis activities conducted and such will be included in the operating record.

2. Reporting: IWI will submit to ADEM semi annually reports of groundwater sampling analyses as described below:

- Place and time of sampling or measurement
- Individual's name and company who performed sampling
- Date analyses performed

- Individual's name and company who performed analyses
- Analytical Techniques and methods used
- The results of analyses

SECTION IV GAS MONITORING

A. Gas Monitoring: IWI has an explosive gas monitoring system in which is maintained and tested annually. The results are submitted to ADEM annually and is kept in operating record.

SECTION V LEACHATE AND SURFACE WATER MANAGEMENT

A. Leachate and Surface Water Management: IWI has installed a leachate collection system in which is monitored weekly and pumped and hauled to a wastewater treatment facility. IWI also has an NPDES permit which is complied with.

SECTION VI VARIANCES

A. A variance has been granted to IWI from ADEM for a change of 3:1 slope on working face and final closure not to exceed 2.5:1.

MONITOR WELLS TABLE & LOCATION

Upgradient/Background

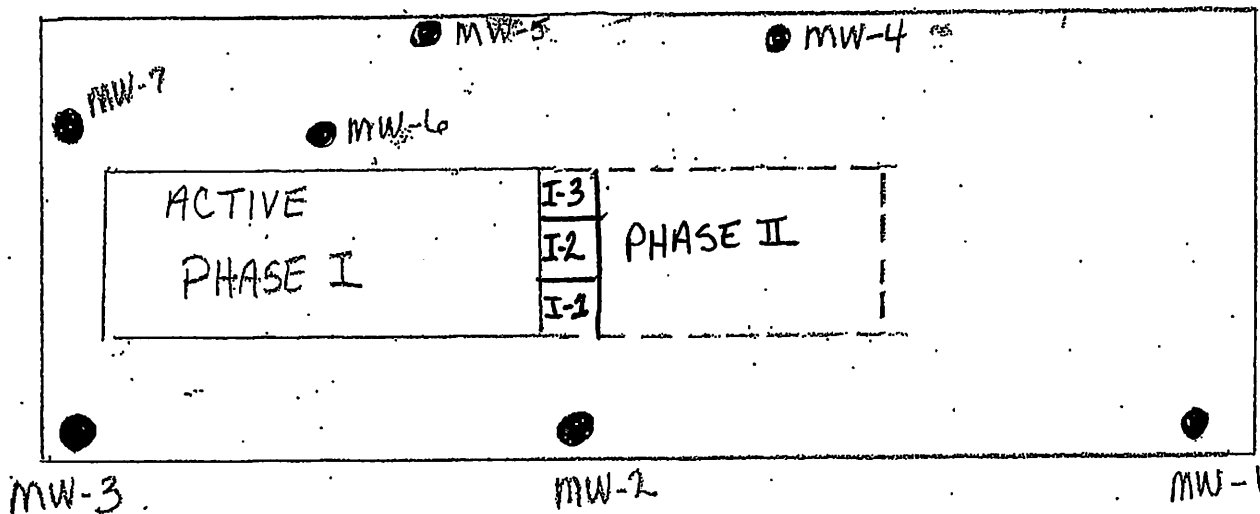
| <u>Well Number</u> | <u>Top of Casing</u> |
|--------------------|----------------------|
| MW-4 | 835 |
| MW-5* | 846.46 |
| MW-2* | 846.16 |

Downgradient

| <u>Well Number</u> | <u>Top of Casing</u> |
|--------------------|----------------------|
| MW-1 | 818.00 |
| MW-3* | 865.37 |
| MW-6 | 889.31 |
| MW-7* | 882.57 |

* wells we sample as of current date:

Diagram of well locations at facility



Note: Phase II construction will be complete and submitted for ADEM approval to accept waste by August of 2022. We plan to start disposal in cells I-1 through I-3 in November of 2022.

Prepared by: Brenda S. Gay, Certified Landfill Operator
Landfill Manager and President

In accordance with ADEM Permit #08-19; and

Under the supervision and direction of:

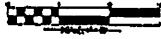
Tommy H. Taylor, Certified Manager of Landfill Operations and Certified Landfill Operator
Owner and Chairman of the Board

Construction Design & Inspections by:

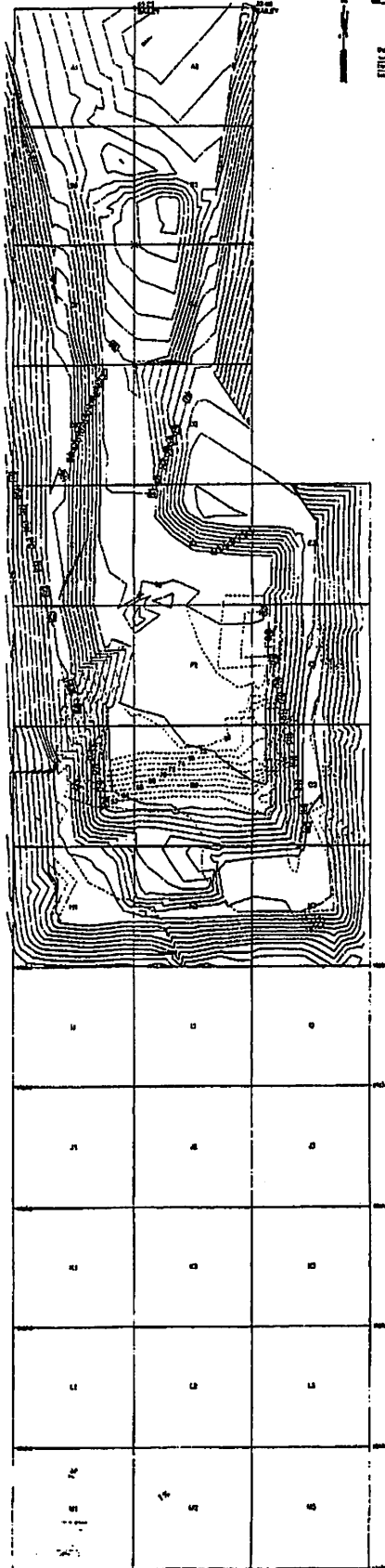
Bobby Bailey P. E & L.S.

Bailey Engineering, Inc.

1"=100'



| Drainage Summary | | | |
|------------------|---------|-------------|-------------|
| Area | Acres | Field Acres | Field Acres |
| 1000000 | 1000000 | 1000000 | 1000000 |



RECEIVED

SEP 29 2022

LAND DIVISION

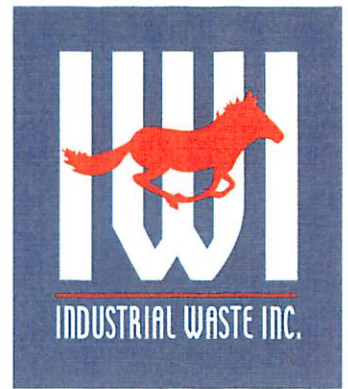
DRAINAGE POND

130000CF
DRAINAGE POND

September 13, 2022

ADEM
Mr. Jared Kelly, Chief
Solid Waste Engineering Section
Land Division
PO Box 301463
Montgomery, AL 36130-1463

Received
SEP 20 2022
Land Division



PO Box 3405
Oxford, AL 36203

256.835.3377

Via: Certified Mail: 7018 0360 0001 1691 3970

RE: Industrial Waste, Inc. Landfill Permit No. 08-19
Response to your letter of July 7, 2022 /Permit Renewal Application

Dear Mr. Kelly,

In response to your letter referenced above, in which you listed items you need to conduct a more comprehensive review of our permit renewal application in which we submitted to ADEM March, 15, 2022.

We have labeled your list and will use the same labeling in our responses; they are as follows:

A. Any current variances (both the requests for those variances and ADEM's approval response letters).

A. Response: E File 9/17/2012 4/1 to 3/1

B. A copy of the original local approval and any subsequent local approvals relevant to current operations.

B. Response: E File 03/10/1994 First Host Government Approval
11/15/2002 Second Host Government Approval
12/04/2002 Second Host Government Approval

C. Any siting requests and approvals relevant to current operations.

C. Response: E File 04/28/2008 Requests
09/05/2008 Approvals

D. The hydro geological evaluation relevant to current operations.

D. Response: E File 06/21/2011 Hydro geological Evaluation
Labella is refreshing our current Hydro; we will forward a copy separately as soon as it is complete.

E. Storm water runoff calculations used to size sediment ponds relevant to current operations.

E. Response: A copy is attached and labeled "E" Storm water runoff

F. The liner and leachate QA/QC plan relevant to current operations and statement of where the leachate goes after it leave facility.

F. Response: E File 06/09/1995 Appendix D

Leachate currently goes to Oxford Water Treatment Plant. Our current construction plan has been approved for a pre-treatment using wetlands and we are in the construction phase of the wetland and it will be 2023 before the aquifer and plants will be established, so we will continue to haul our leachate to Oxford WWTP in the foreseeable future.

G. The most Recent operations plan as well as any additional modifications made since the last operations plan was written, including waste screening procedures.

G. Response: A copy is enclosed and labeled "G" Operations Plan

H. The most recent gas monitoring plan as well as any modifications made since the last gas monitoring plan was written.

H. Response: E File 01/30/1995

I. The most recent closure plan as well as any modifications made since the monitoring plan was written.

I. Response: E File 05/13/96 Section VII Closure

J. The most recent groundwater monitoring plan as well as any modifications since the last groundwater monitoring plan. The plan should follow the outline provided in the Alabama Groundwater Monitoring Reporting Guidance for Solid Waste Facilities provided on the ADEM website.

J. Response: Labella is preparing an updated Groundwater Monitoring Plan and we will forward a copy separately as soon as it is complete.

K. The cell certification and subsequent approval letter from ADEM for the current cell waste is being disposed in.

K. Response: E File 04/08/2008 Certification of Cell H-3
09/05/2008 Approval of Cell H-3

L. The most recent permit drawings relevant to site operations.

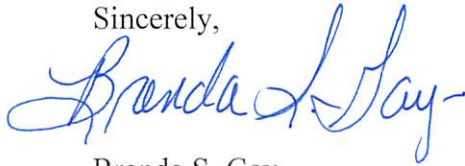
L. Response: A copy is enclosed and labeled "L" Permit Drawings.

M. Boundary plat and legal property description prepared, signed and sealed by a land surveyor of the permitted facility boundary and permitted disposal area of the facility.

M. Response: A copy is enclosed and labeled "M" Boundary Plat.

We have reviewed all of the items listed in your referenced letter and determined the items are still relevant to our operations with the exception of items, D. Hydro geological Evaluation; and J. Groundwater Monitoring Plan. Both D and J are being refreshed/updated by Labella and will be forwarded to you upon completion. Please let us know if you need anything further.

Sincerely,

A handwritten signature in blue ink that reads "Brenda S. Gay". The signature is written in a cursive, flowing style with a horizontal line at the end.

Brenda S. Gay
President

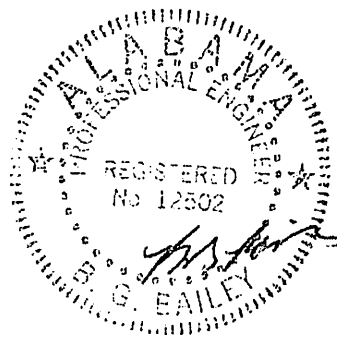
Storm Water Runoff Calculations

Runoff Calculations – 02-525
Reaves Road Landfill

Notes:

- 1) Pre = wooded site before construction
- 2) Post = present fill areas + prepared future
- 3) Side slopes are diverted via ditches to pond
- 4) Adjacent area runoff is contained in existing ponds
- 5) Proposed pond is 13,000 cf in cell M1
- 6) Proposed pond is 28.5 x 57.0 x 8.0 (13,000 cf)

BAILEY ENGINEERING, INC.
1205 Noble Street
Telephone 237-4834
ANNISTON, ALABAMA 36201



Hydrograph Return Period Recap

| Hyd. No. | Hydrograph type (origin) | Inflow Hyd(s) | Peak Outflow (cfs) | | | | | | | | Hydrograph description |
|---|--------------------------|---------------|--------------------|-------|------|-------|-------|-------|-------|--------|------------------------|
| | | | 1-Yr | 2-Yr | 3-Yr | 5-Yr | 10-Yr | 25-Yr | 50-Yr | 100-Yr | |
| 1 | Rational | ---- | ---- | 27.04 | ---- | 31.63 | 35.06 | 40.18 | 44.20 | ---- | pre |
| 2 | Rational | ---- | ---- | 51.47 | ---- | 59.39 | 65.43 | 74.56 | 81.73 | ---- | post |
| 3 | Reservoir | 2 | ---- | 21.11 | ---- | 26.54 | 30.92 | 38.23 | 40.37 | ---- | pond |
| <div> <div>Proj. file: New.gpw</div> <div>Monday, Sep 12 2022, 8:52 AM</div> </div> | | | | | | | | | | | |

Hydrograph Summary Report

| Hyd. No. | Hydrograph type (origin) | Peak flow (cfs) | Time Interval (min) | Time to peak (min) | Volume (cuft) | Inflow hyd(s) | Maximum elevation (ft) | Maximum storage (cuft) | Hydrograph description |
|----------|--------------------------|-----------------|---------------------|--------------------|-----------------------|---------------|------------------------|------------------------------|------------------------|
| 1 | Rational | 27.04 | 1 | 8 | 12,979 | --- | ---- | ---- | pre |
| 2 | Rational | 51.47 | 1 | 5 | 15,440 | --- | ---- | ---- | post |
| 3 | Reservoir | 21.11 | 1 | 8 | 15,435 | 2 | 8.15 | 8,432 | pond |
| New.gpw | | | | | Return Period: 2 Year | | | Monday, Sep 12 2022, 8:52 AM | |

Hydrograph Summary Report

| Hyd. No. | Hydrograph type (origin) | Peak flow (cfs) | Time Interval (min) | Time to peak (min) | Volume (cuft) | Inflow hyd(s) | Maximum elevation (ft) | Maximum storage (cuft) | Hydrograph description |
|----------|--------------------------|-----------------|---------------------|--------------------|-----------------------|---------------|------------------------|------------------------------|------------------------|
| 1 | Rational | 31.63 | 1 | 8 | 15,183 | --- | ---- | ---- | pre |
| 2 | Rational | 59.39 | 1 | 5 | 17,818 | --- | ---- | ---- | post |
| 3 | Reservoir | 26.54 | 1 | 8 | 17,812 | 2 | 6.86 | 9,798 | pond |
| New.gpw | | | | | Return Period: 5 Year | | | Monday, Sep 12 2022, 8:52 AM | |

Hydrograph Summary Report

| Hyd. No. | Hydrograph type (origin) | Peak flow (cfs) | Time Interval (min) | Time to peak (min) | Volume (cuft) | Inflow hyd(s) | Maximum elevation (ft) | Maximum storage (cuft) | Hydrograph description |
|----------|--------------------------|-----------------|---------------------|--------------------|------------------------|---------------|------------------------|------------------------------|------------------------|
| 1 | Rational | 35.06 | 1 | 8 | 16,830 | --- | --- | --- | pre |
| 2 | Rational | 65.43 | 1 | 5 | 19,630 | --- | --- | --- | post |
| 3 | Reservoir | 30.92 | 1 | 8 | 19,625 | 2 | 7.27 | 10,638 | pond |
| New.gpw | | | | | Return Period: 10 Year | | | Monday, Sep 12 2022, 8:52 AM | |

Hydrograph Summary Report

| Hyd. No. | Hydrograph type (origin) | Peak flow (cfs) | Time Interval (min) | Time to peak (min) | Volume (cuft) | Inflow hyd(s) | Maximum elevation (ft) | Maximum storage (cuft) | Hydrograph description |
|----------|--------------------------|-----------------|---------------------|--------------------|------------------------|---------------|------------------------|------------------------------|------------------------|
| 1 | Rational | 40.18 | 1 | 8 | 19,287 | — | — | — | pre |
| 2 | Rational | 74.56 | 1 | 5 | 22,367 | — | — | — | post |
| 3 | Reservoir | 38.23 | 1 | 7 | 22,362 | 2 | 7.81 | 11,790 | pond |
| New.gpw | | | | | Return Period: 25 Year | | | Monday, Sep 12 2022, 8:52 AM | |

Hydrograph Summary Report

| Hyd. No. | Hydrograph type (origin) | Peak flow (cfs) | Time Interval (min) | Time to peak (min) | Volume (cuft) | Inflow hyd(s) | Maximum elevation (ft) | Maximum storage (cuft) | Hydrograph description |
|----------|--------------------------|-----------------|---------------------|--------------------|------------------------|---------------|------------------------|------------------------------|------------------------|
| 1 | Rational | 44.20 | 1 | 8 | 21,214 | --- | ---- | --- | pre |
| 2 | Rational | 81.73 | 1 | 5 | 24,518 | --- | ---- | --- | post |
| 3 | Reservoir | 40.37 | 1 | 8 | 24,513 | 2 | 8.28 | 12,843 | pond |
| New.gpw | | | | | Return Period: 50 Year | | | Monday, Sep 12 2022, 8:52 AM | |

Industrial Waste, Inc. #08-19

Operations Plan



**Landfill Operations Manual
for
Industrial Waste, Inc. Landfill
Non-hazardous Industrial Waste and C & D
1473 Reaves Road
Anniston, AL 36201**

Pursuant to ADEM Permit 08-19

Contents

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- A. Type of Waste accepted
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 - 4. Security
 - 5. All Weather Access Roads
 - 6. Permitted Facility Area
 - 7. Signs
 - 8. Open Burning
 - 9. Boundary Markers
 - 10. Maximum Average Daily Volume
 - 11. Scavenging and Salvaging Operations
 - 12. Litter Control
 - 13. Fire Control
 - 14. Waste Placement, Compaction and Cover
- B. Duties and responsibilities
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 - 2. Duty to provide information
 - 3. Inspection and Entry
- C. Monitoring, Corrective Actions and Records
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 - 3. Certification of Construction
 - 4. Compliance Schedules
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 - d. Solid/Hazardous Waste Determination
 - e. Groundwater Monitoring
 - f. Explosive Gas Monitoring
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 - h. Copies of Permit and Application
 - I. Copies of all Variances
 - j. Quarterly Volume Report
 - k. Groundwater Monitoring Wells

SECTION I STANDARD AND GENERAL OPERATING CONDITIONS

A. Type of Waste Accepted: ADEM Permit allows IWI to accept nonhazardous solid waste. IWI shall operate and maintain the disposal facility

consistent with the permit; and Special Wastes approved by ADEM. Will follow approved procedures for the detecting and preventing of free liquids, regulated hazardous wastes, PCB's and medical waste. Shall operate the facility in a manner as per the permit that there will be no water pollution or unauthorized discharge. Shall accept industrial waste only as required by Permit. Shall have an operator certified by ADEM on-site during hours of operation

1. Waste Stream: Nonhazardous industrial waste, construction and demolition debris, asbestos, petroleum contaminated soil, tires, clearing and grubbing debris, dried sludges, paper and foundry sand. Foundry sand must have a current ADEM Waste Profile. Asbestos must be bagged and dumped at the toe of the slope and covered immediately.

2. Service Area: Accept waste from Calhoun County, Cleburne County and Northern Talladega County in Alabama.

3. Liner Requirement: Shall have a clay liner. The base of the waste will be a minimum of five (5) feet above the temporal fluctuation of the groundwater table.

4. Security: Will provide artificial and/ or natural borders to prevent entry of any unauthorized vehicular traffic to the facility. The property is completely surrounded by trees and vegetation as well as fencing and large boulders in areas to prevent vehicular access. The only entrance road is secured with steel gates which are kept locked during non-working hours.

5. All Weather Access Roads: Will provide an all-weather access road to the dumping face that is wide enough to allow passage of collections vehicles.

6. Permitted Facility Area: IWI has an area of approximately 80 acres with 18.08 acres permitted by ADEM for disposal.

7. Signs: Shall post signs outlining instructions for access to and for use of the site.

8. Open Burning: Shall not allow open burning without prior written approval from ADEM and other appropriate agencies. Burn request should be submitted in writing to ADEM outlining why the request should be granted. Request should include specifically what areas will be utilized, types of wastes to be burned, the projected starting and completion dates and the projected days and hours. Approval shall be included in operating record.

9. Boundary Markers: Shall insure the facility is identified with a sufficient number of permanent boundary markers that are visible from one marker to the next.

10. Maximum Average Daily Volume: 500 Cubic Yards per day.

11. Scavenging and Salvaging Operations: Will not allow or take part in any scavenging and salvaging operations.

12. Litter Control: Shall control litter. Any waste scattered or blown from active face waste will be kept cleared on a regular basis.

13. Fire Control: IWI will provide fire control measures.

14. Waste Placement, Compaction and Cover: Shall contain all waste to a confined area as small as possible and place on a slope not to exceed 3:1. Waste shall be spread in layers of 2 feet or less in thickness and thoroughly compacted with a Compactor and/or a

Dozer a soil cover of a minimum of 6 inches will be placed over working face weekly.

B. Duties and Responsibilities

1. Compliance: Must comply with all terms of ADEM Permit #08-19
2. Duty to Provide Information: Must provide access to or copies of any portion of Operating Record upon request of ADEM.
3. Inspection and Entry: Must grant access to facility and records to ADEM personnel for inspection of compliance.

C. Monitoring, Corrective Actions and Records

1. Samples and Measurements: Samples taken for the purpose of monitoring or corrective action; the methods used to obtain samples to be analyzed and laboratory methods must be the appropriate method as specified in the Permit.
2. Retain Records: All sampling and reports will be maintained in Operating Record.
3. Certification of Construction: May not commence disposal in any new cell or phase until submitting to ADEM by certified mail or hand delivery a letter signed by IWI and a professional engineer stating the facility has been constructed in compliance with the permit. ADEM must inspect the constructed cells or phase before waste disposal can begin unless IWI has been notified by ADEM that they will waive the inspection.
4. Compliance Schedules: Reports of compliance or noncompliance with any progress reports and final requirements required and approved by ADEM must be submitted no later than 14 days following each schedule date.

D. Design and Operation of Facility: Shall maintain and operate to minimize the possibility of a fire, explosion, or any unplanned sudden or nonsudden release of contaminants (including leachate and explosive gases) to air, soil, groundwater or surface water, which could threaten human health or the environment.

E. Recordkeeping and Reporting

1. Operating Record: Shall maintain a written Operating Record at the facility location.
 - a. Documentation of inspections and maintenance
 - b. Daily Volume
 - c. Personnel Training Documents
 - d. Solid/Hazardous Waste Determination
 - e. Groundwater Monitoring-Record/Report semi annually
 - f. Explosive Gas Monitoring-Record/Report annually
 - g. Surface Water and Leachate Monitoring
 - h. Copies of Permit and Application
 - i. Copies of any and all Variances
 - j. Quarterly Volume Reports-Record/Report quarterly
 - k. Groundwater MW Sampling-Record/Report semi annually

SECTION II WASTE SCREENING

A. Waste Identification and Management

1. **Personnel:** Shall provide adequate personnel to ensure a continued and smooth operation of the facility. Personnel shall wear eye, hearing and head protection, reflective vests, gloves, proper clothing and footwear for the environment. Will wear respiratory protection devices according to conditions.

2. **Waste Streams:** Nonhazardous industrial waste, construction and demolition debris, asbestos, petroleum contaminated soil, tires, clearing and grubbing debris, dried sludges, paper and foundry sand.

3. Generator Waste Screening - Three step process

Step 1: The majority of waste hauled to our facility is placed in our containers and hauled by our truck drivers. Prior to accepting waste from an Industrial Waste Facility, management will meet with generator and inspect the proposed waste and instruct generator as to what types of wastes can be accepted. In cases of foundry sand and baghouse dust, management will only accept if provided a current ADEM Waste Profile. Generators who use our containers for C & D and demolition are instructed by phone as to accepted and unaccepted waste and must sign a binding Service Agreement in which such wastes are defined.

Step 2: When all loads come in to the facility they are visually viewed by a member of management who is a certified operator, for any free liquids or any unacceptable wastes. If any unaccepted waste is suspected the truck is sidelined for further inspection and determination.

Step 3: After passing Step 2 the truck is directed to the working face where a certified operator will allow the load to be dumped. Each load will be inspected for any unacceptable waste before it is placed on the working slope. If there is unacceptable waste, the Operator will immediately notify Landfill Manager. Landfill Manager will hold the truck until an assessment can be completed and the unacceptable waste will either be loaded back on the truck/container or the area will be quarantined until the appropriate authorities are notified. Any unacceptable waste will be documented and photographed. Generator will be given a warning and subject to service being terminated. All documentation and photographs will be maintained in operating record.

B. Waste Placement, Compaction and Cover: IWI shall contain all waste to a confined area as small as possible and place on a slope not to exceed 3:1. Waste shall be spread in layers two feet or less in thickness and thoroughly compacted with a Compactor and/or a Dozer and then covered with a weekly soil cover a minimum of six inches.

C. Vector Control: Shall distribute bait on a regular basis.

D. Liquid Wastes: Will not dispose of any bulk or non-containerized liquid waste or containers capable of holding liquids. Any dried sludges and similar wastes must pass a paint filter test before it can be accepted. Will not accept any type of free liquid.

E. Empty Containers: IWI will render unusable any containers larger than 5 gallons in size for holding liquids prior to disposal in the landfill. Drums, buckets or containers in waste must be open with no lids and dry inside with no remaining residue.

SECTION III GROUNDWATER MONITORING

A. Monitor Wells: At our facility we have installed seven monitor wells: MW-1 through MW-7. As per our permit MW-4 and MW-5 are maintained as the upgradient groundwater monitoring wells; and MW-3 and MW-7 are downgradient groundwater monitoring wells.

1. Maintenance of Wells: Wells have a barrier of boulders around them to protect from equipment and vehicles. They are kept locked and secure. Personnel trims vegetation from around wells as needed. All personnel can locate and identify wells.

B. Groundwater Monitoring Requirements:

1. Surface Elevation: IWI will determine the groundwater surface elevation at each well and piezometer identified each time the well is sampled throughout the active life and post-closure care period.

2. Flow Rate: IWI will determine the groundwater flow and direction in the first zone of saturation annually or each time sampled and submit as required to ADEM.

3. Sampling Parameters: IWI adheres to sampling parameters set in permit.

4. Sampling: IWI will sample and analyze all monitoring wells for the parameters as set in permit by ADEM during March and September each year on a semi annual basis throughout active life of the facility.

5. Water Levels/Recording: IWI will record water levels, mean sea level elevation measuring point, depth to water, and the results of field tests pH and specific conductance at the time of sampling for each well.

C. Sampling and Analysis Procedures

1. Collections and Preservation: IWI will collect samples preserved and shipped off site in accordance with the procedures specified by permit. Slow recharge wells will be bailed until dry. Wells will be allowed to recharge prior to sampling.

2. Analysis: Analysis: Samples shall be analyzed according to the procedure of the permit Standard Methods for Examination of Water and Wastewater (America Public Health Association) Methods for Chemical Analysis of Water and Wastes (EPA-600/4-79-020, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods (EPA Publication SW-846) or other appropriate methods approved by ADEM. All Field tests will be conducted using approved EPA test kits and procedures.

3. Sample Tracking: IWI will track all samples and control by using the chain-of-custody and QA/AC procedures.

4. Groundwater Monitoring Wells Table and Locations can be found on Back Page of this manual.

D. Recordkeeping and Reporting

1. Recordkeeping: IWI will maintain records of all groundwater monitoring, sampling, and analysis activities conducted and such will be included in the operating record.

2. Reporting: IWI will submit to ADEM semi annually reports of groundwater sampling analyses as described below:

- Place and time of sampling or measurement
- Individual's name and company who preformed sampling
- Date analyses performed

- Individual's name and company who performed analyses
- Analytical Techniques and methods used
- The results of analyses

SECTION IV GAS MONITORING

A. Gas Monitoring: IWI has an explosive gas monitoring system in which is maintained and tested annually. The results are submitted to ADEM annually and is kept in operating record.

SECTION V LEACHATE AND SURFACE WATER MANAGEMENT

A. Leachate and Surface Water Management: IWI has installed a leachate collection system in which is monitored weekly and pumped and hauled to a wastewater treatment facility. IWI also has an NPDES permit which is complied with.

SECTION VI VARIANCES

A. A variance has been granted to IWI from ADEM for a change of 4:1 slopes on working face and final closure not to exceed 3:1.

MONITOR WELLS TABLE & LOCATION

Upgradient/Background

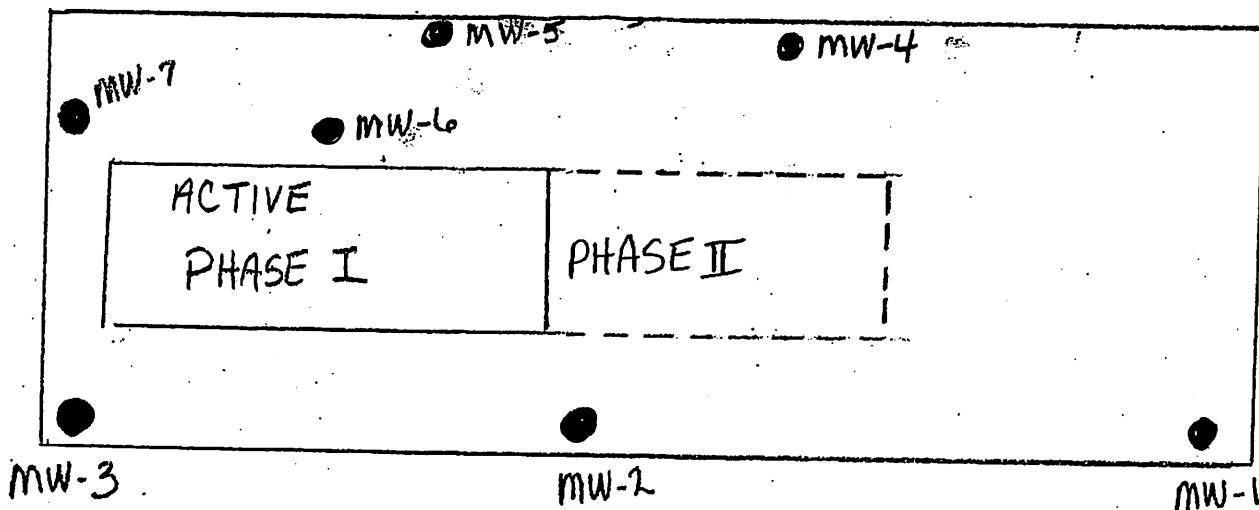
| <u>Well Number</u> | <u>Top of Casing</u> |
|--------------------|----------------------|
| MW-4 | 835 |
| MW-5* | 846.46 |
| MW-2* | 846.16 |

Downgradient

| <u>Well Number</u> | <u>Top of Casing</u> |
|--------------------|----------------------|
| MW-1 | 818.00 |
| MW-3* | 865.37 |
| MW-6 | 889.31 |
| MW-7* | 882.57 |

* wells we sample as of current date: 2/15/17

Diagram of well locations at facility



Note: Phase II construction slated for June 2018 has been approved by ADEM.

Prepared by: Brenda S. Gay, Certified Landfill Operator
Landfill Manager and President

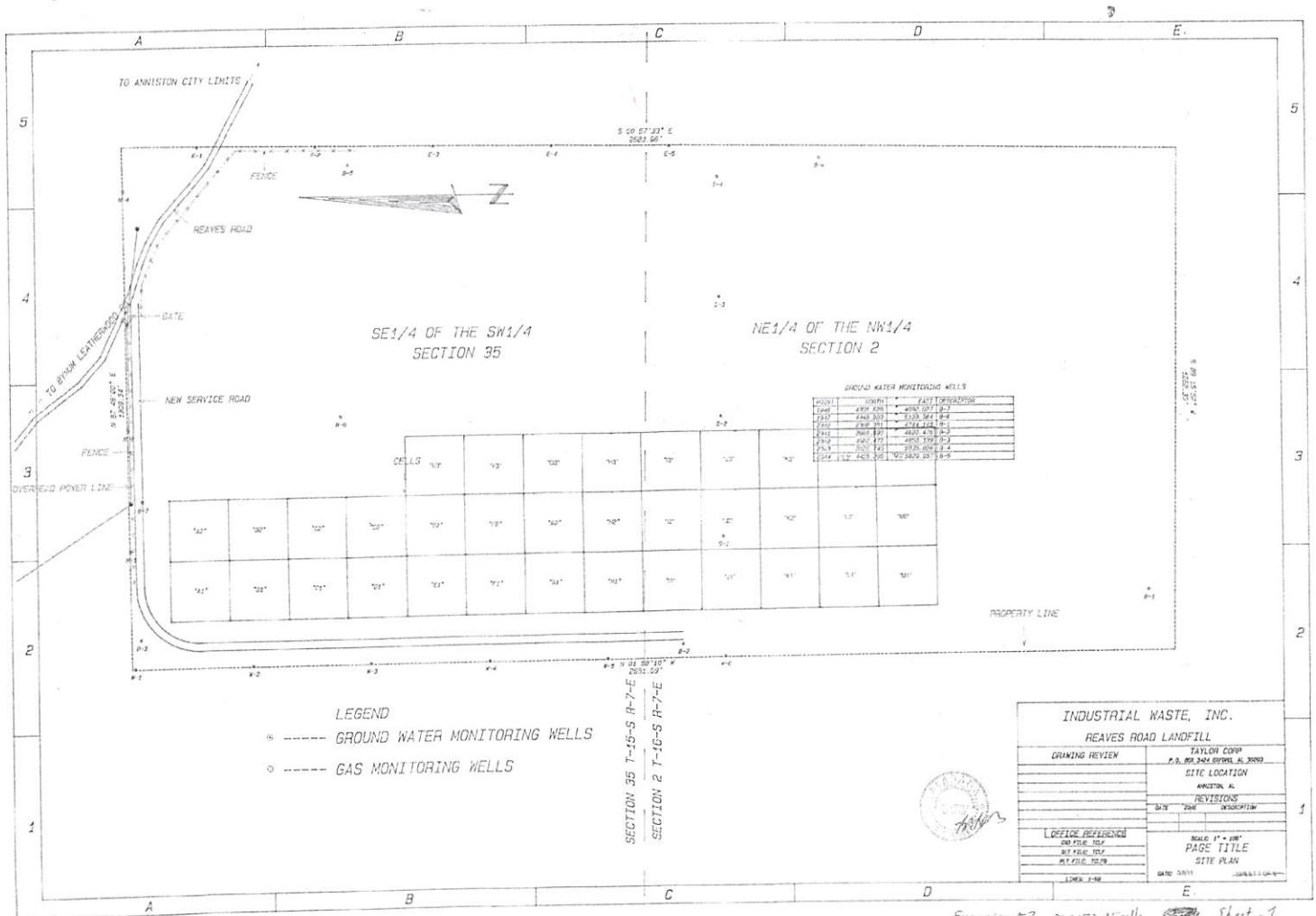
In accordance with ADEM Permit #08-19; and

Under the supervision and direction of:

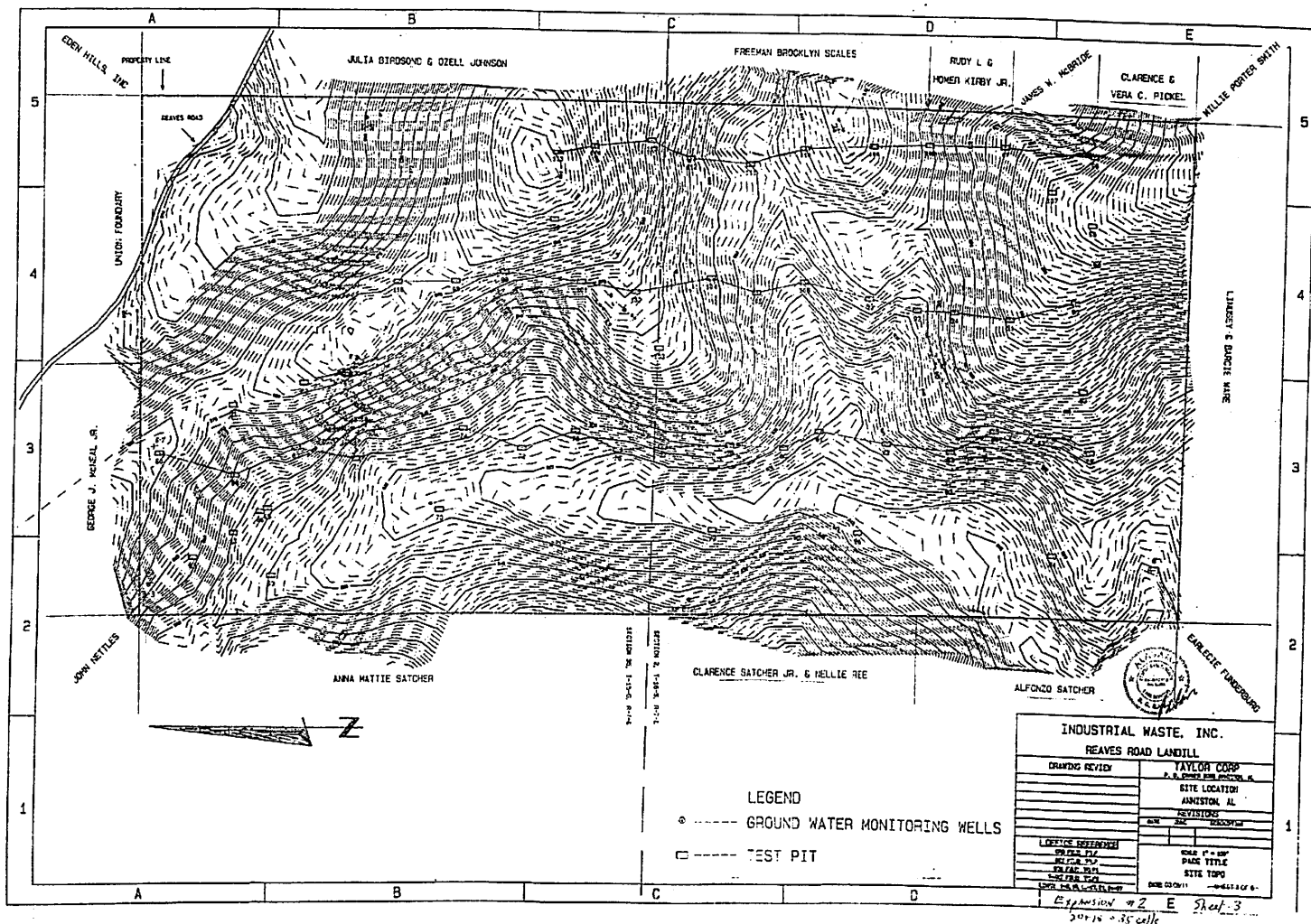
Tommy H. Taylor, Certified Manager of Landfill Operations and Certified Landfill Operator
Owner and Chairman of the Board

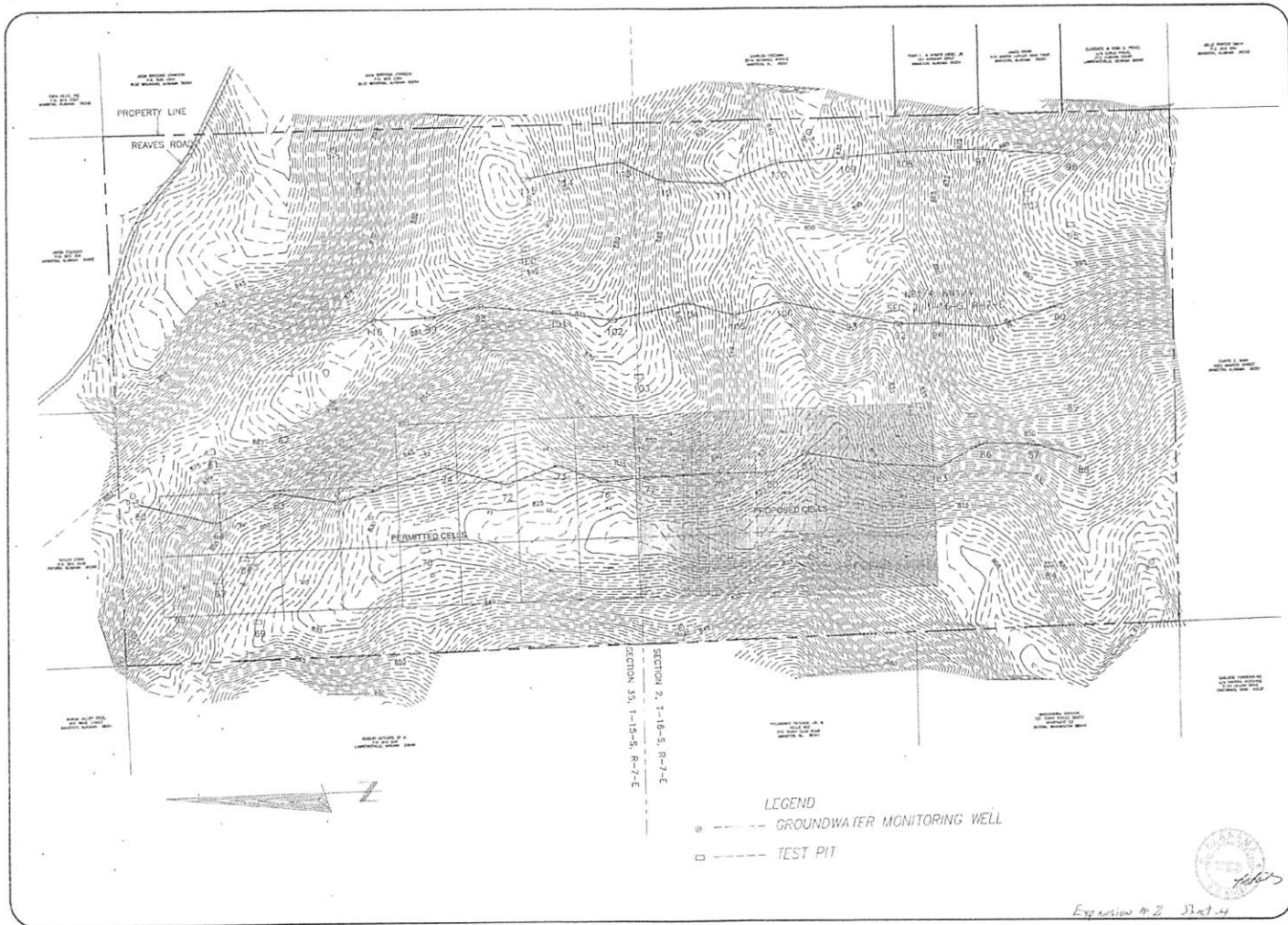
Permit Drawings

L

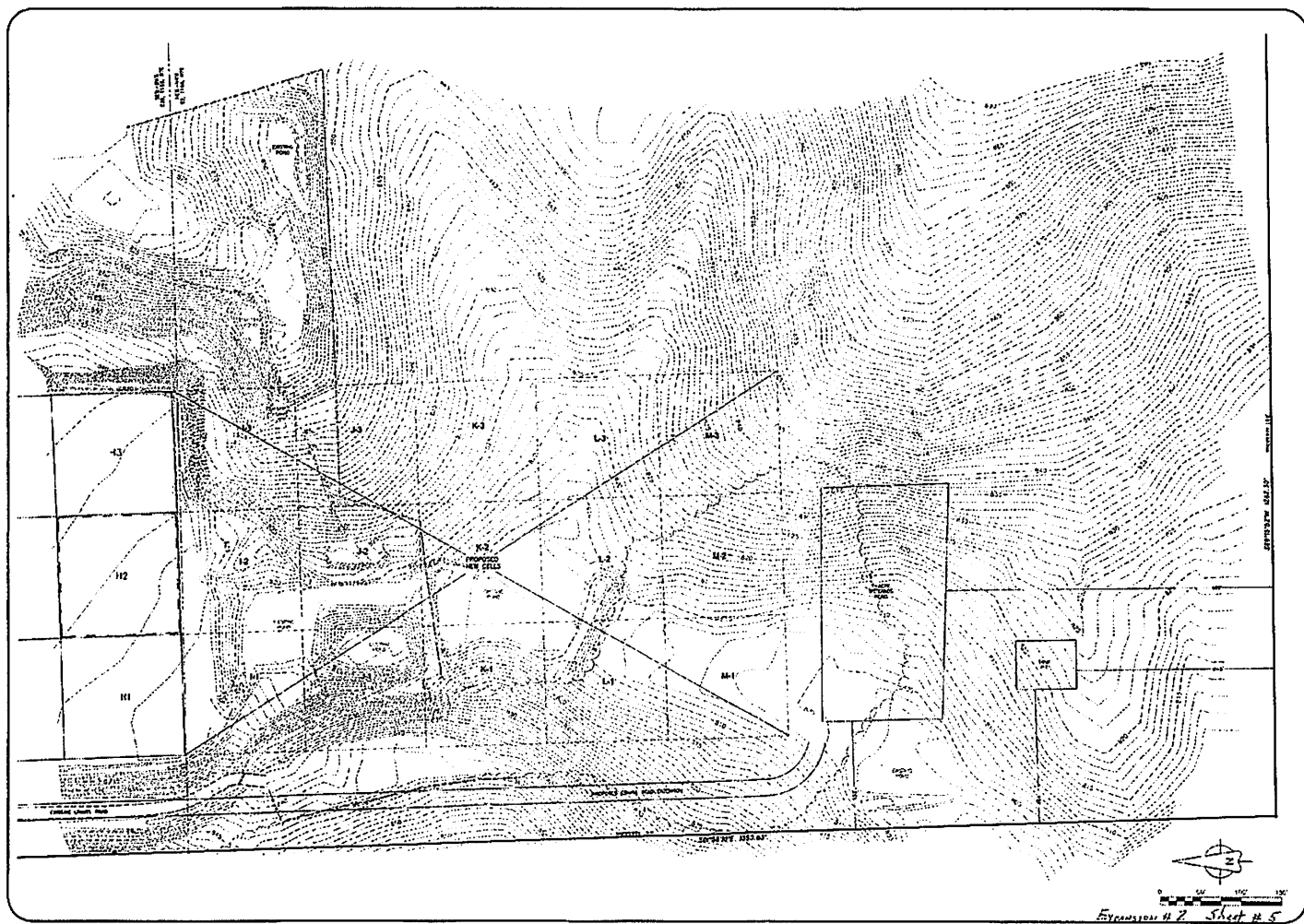





Expansion #2 20,115 ± sq ft
Sheet 1 of 12

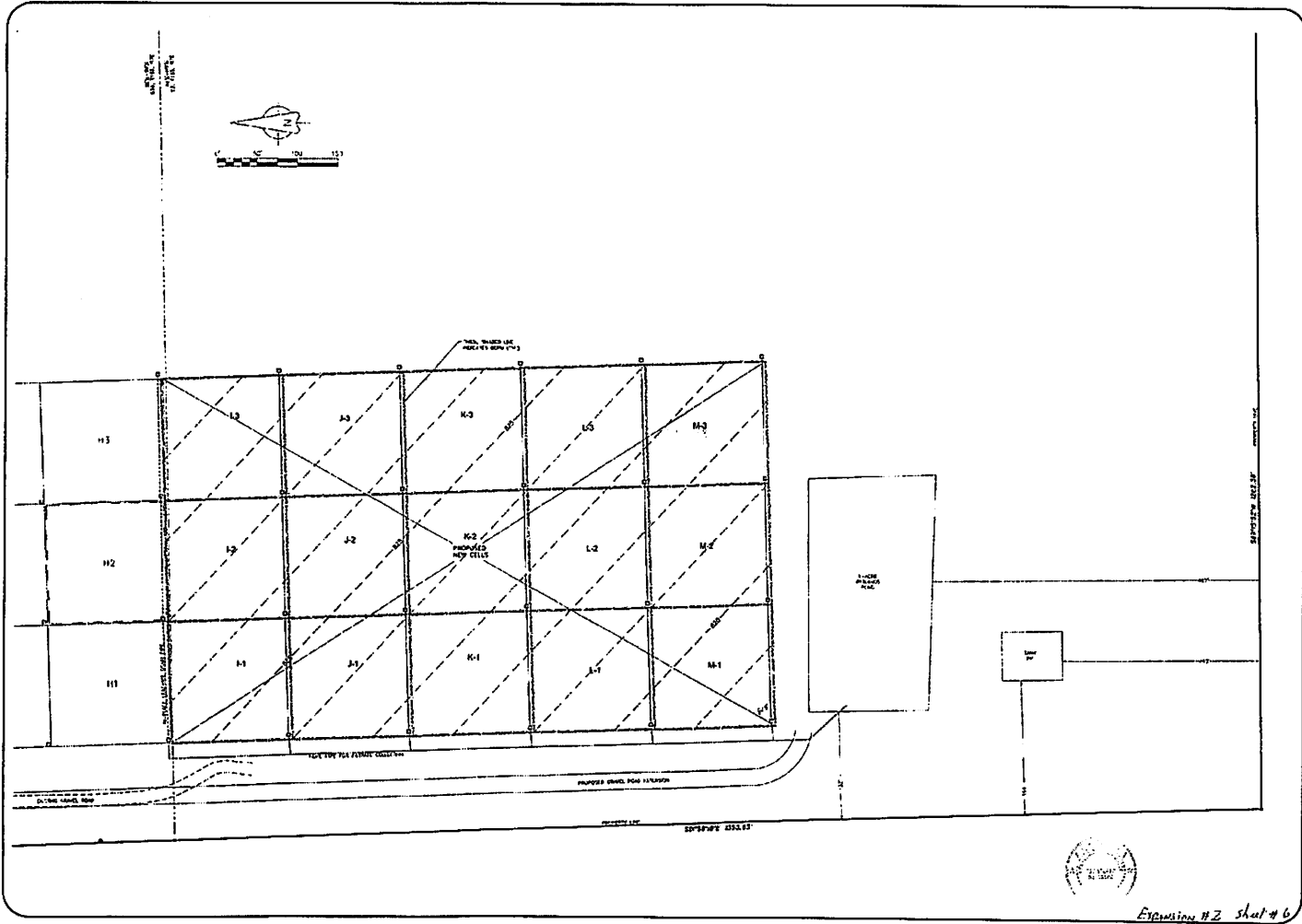




| | |
|---|--------------------------|
| | |
| Original Topographic Map Landfill Expansion Near Anniston, Alabama for Industrial Waste Inc. | |
| T.S. PROJECT NO. 10-001 | DATE 10-28-1944 |
| SCALE 1" = 100' | DRAWN BY J. H. Taylor |
| Taylor Land Surveying, Inc. Registered Professional Surveyors 100 North 1st Street Anniston, Alabama 36410 | |

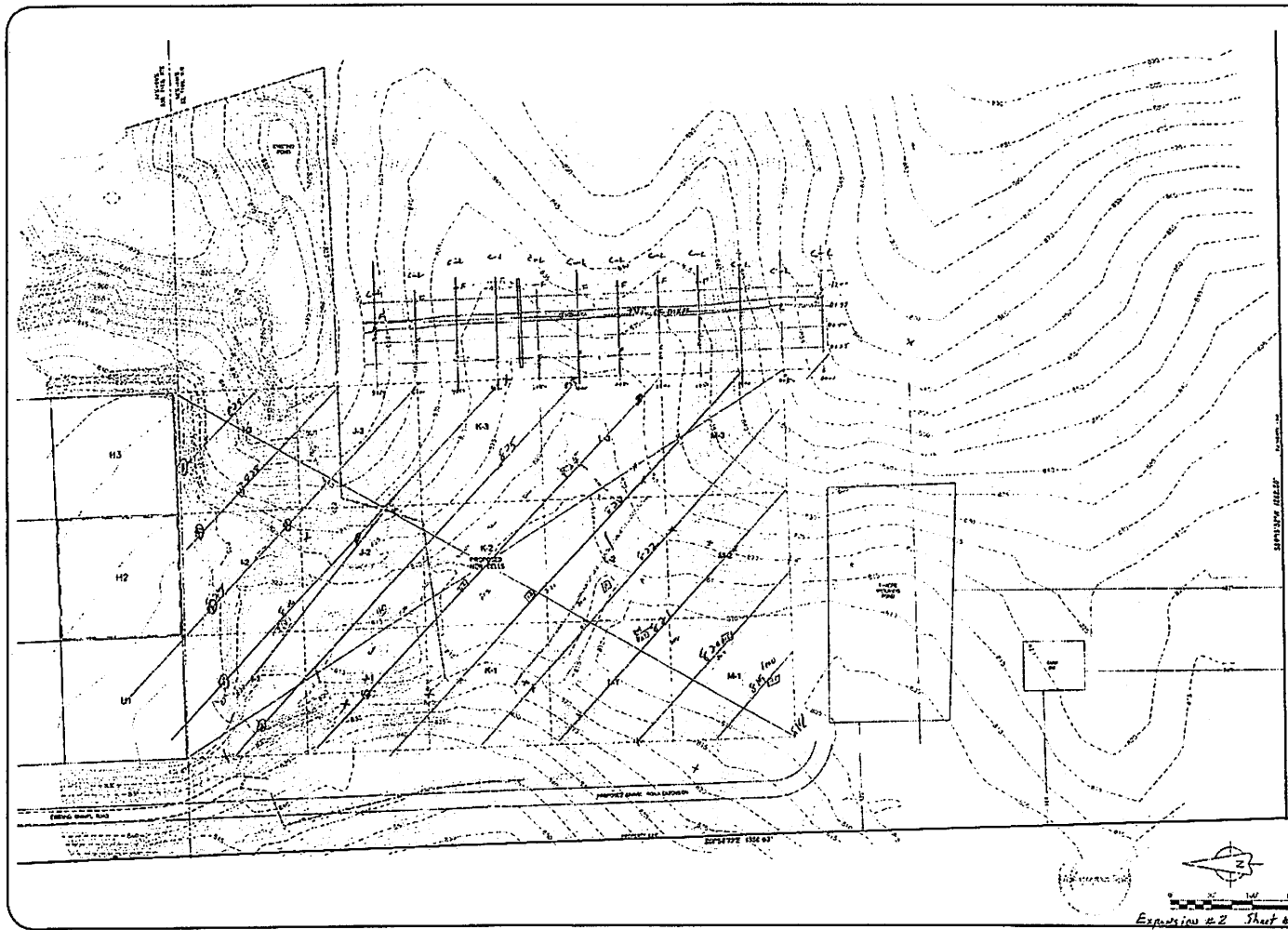


| | | | | |
|--|---|---|---|---|
|  <p>Taylor Land Surveying, Inc. 4400 Highway 1, P.O. Box 100 Houston, Texas 77240 713/661-1111 Telex 154241 TAYLOR Cable 52101 TAYLOR</p> | 13. PROJECT NO. 10-001 | Existing Conditions |  |  |
| | SHEET NO. 50611 DRAWN BY T. J. JOY CHECKED BY J. E. JOY DATE 9-11-80 | LANDLIFT EXPANSION NEAR AMMISTON, ALABAMA FOR INDUSTRIAL WASTE INC. | DATE 10/80 SCALE AS SHOWN SHEET 25 | |



Expansion #2 Sheet # 6

| | | | |
|---|--|--|--|
| | | Cell Layout | |
| Taylor Land Surveying, Inc. Surveyors 10-001 | | Landfill Expansion Near Anniston, Alabama for Industrial Waste Inc. | |
| Date: 10-1-88 Scale: 1" = 100' Project: 10-001 | Date: 10-1-88 Scale: 1" = 100' Project: 10-001 | | |

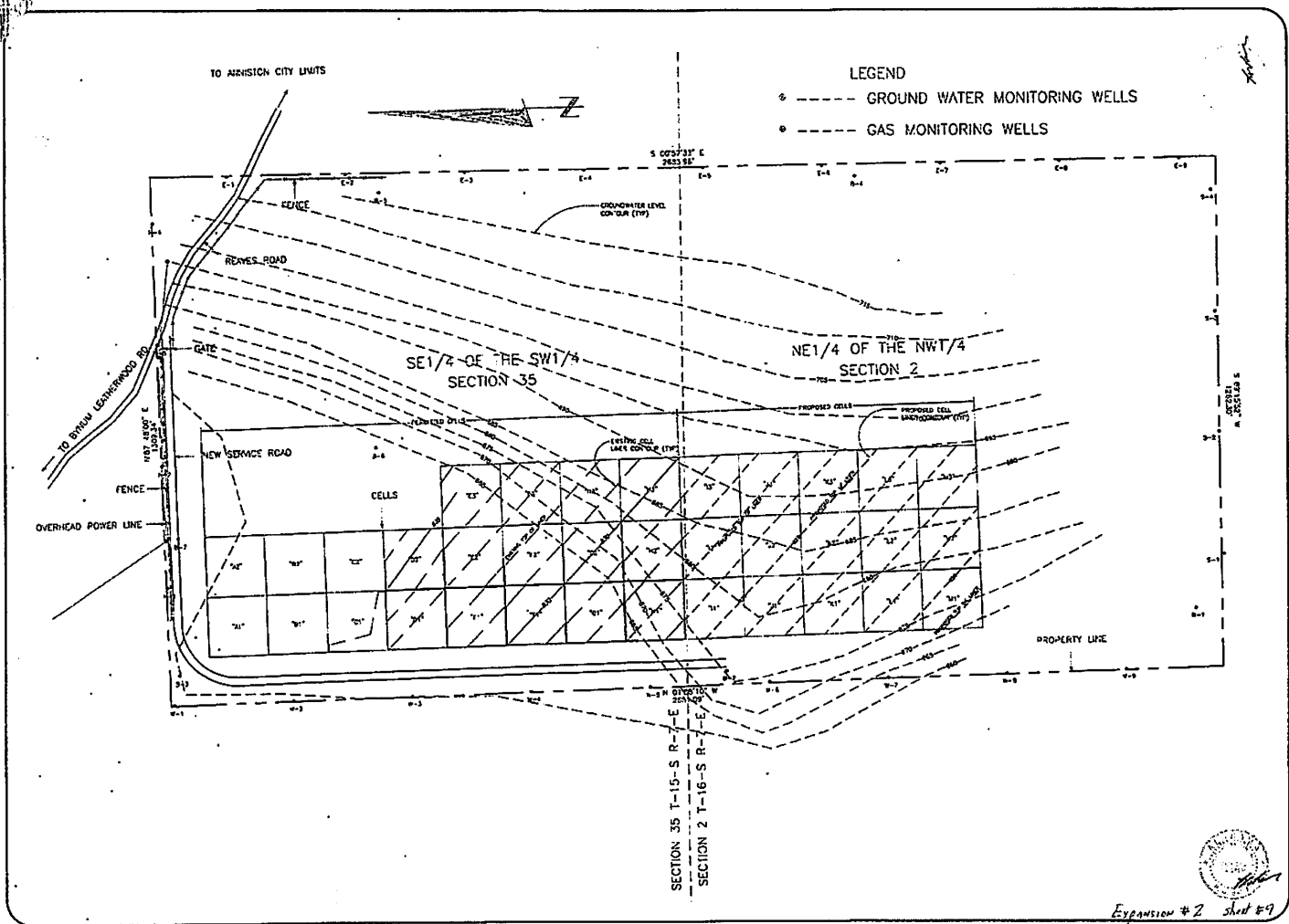
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Existing Conditions
Landfill Expansion
Near Anniston, Alabama
for Industrial Waste Inc.

| | |
|----------|--------|
| DATE | 10-001 |
| TIME | 11:00 |
| LOCATION | 1000 |
| REMARKS | 1000 |

Taylor Land Surveying Inc.
 Surveyors • Planners • Draftsmen
 10000 Highway 100, Box 100
 Fort Worth, Texas 76116
 (817) 336-1433
 (800) 456-6647





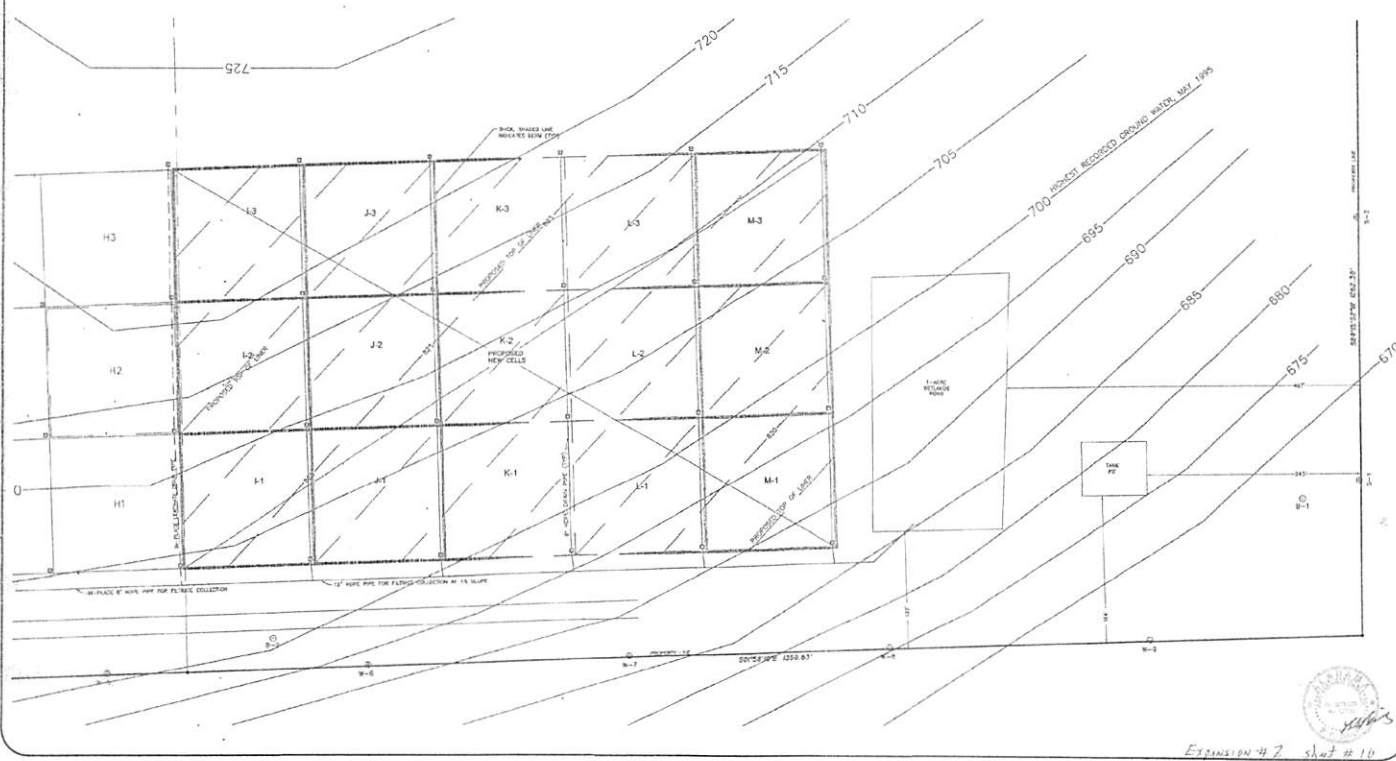
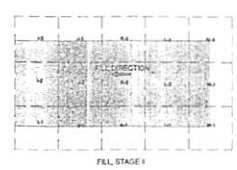
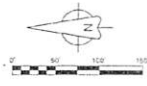
Lowest Recorded Ground Water—Sept. 2011

**Landfill Expansion
Near Anniston, Alabama
for Industrial Waste Inc.**

10-001

Taylor Land Surveying Inc.
 Surveyors • Planners • Consultants





EXPANSION # 2 sheet # 10



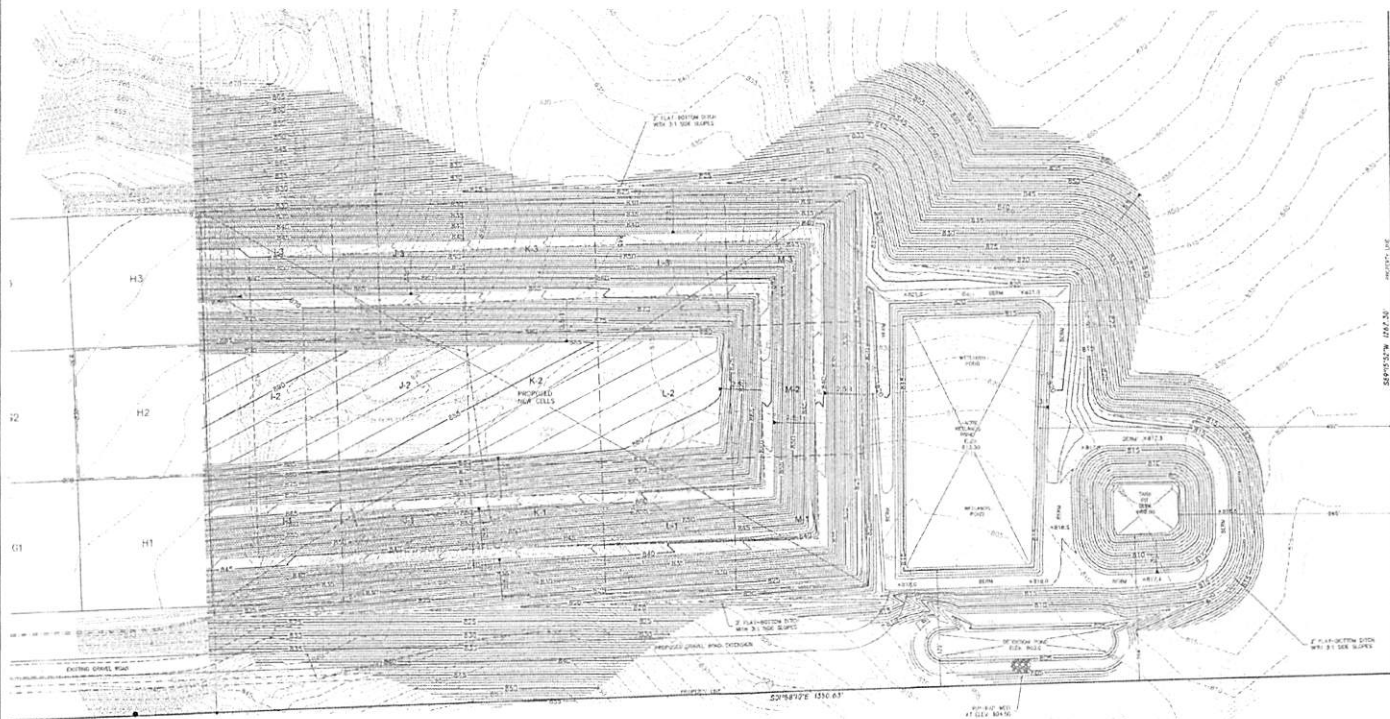
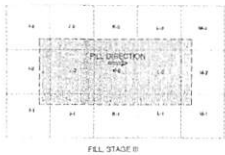
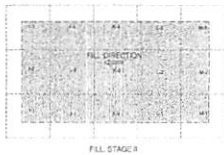
| | |
|------------|-------------|
| DATE | 10-01 |
| BY | Survey 2012 |
| CHECKED BY | Survey 2012 |
| DATE | 10-01 |
| SCALE | 1" = 50' |
| PROJECT | Cell Layout |

Landfill Expansion
New Orleans, Louisiana
for Industrial Waste Inc.

| | |
|-------------|-------------|
| PROJECT NO. | 10-01 |
| DATE | 10-01 |
| BY | Survey 2012 |
| CHECKED BY | Survey 2012 |
| DATE | 10-01 |
| SCALE | 1" = 50' |
| PROJECT | Cell Layout |

Taylor Land Surveying, Inc.
1000 Poydras Street, Suite 2000
New Orleans, Louisiana 70112
504.581.1234
www.taylorlandsurveying.com





384°35'W 247.50' HATCH LINE

Expansion #2 sheet #11



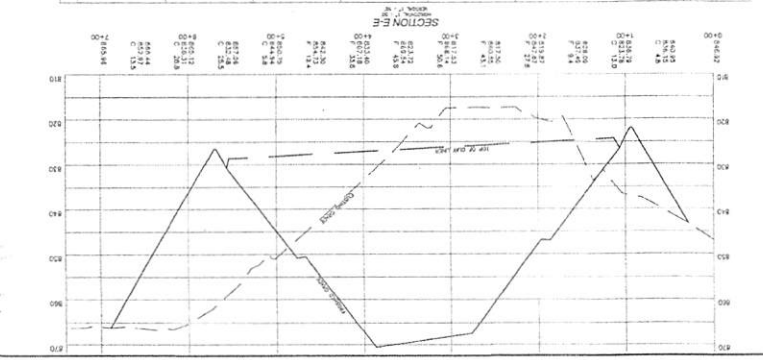
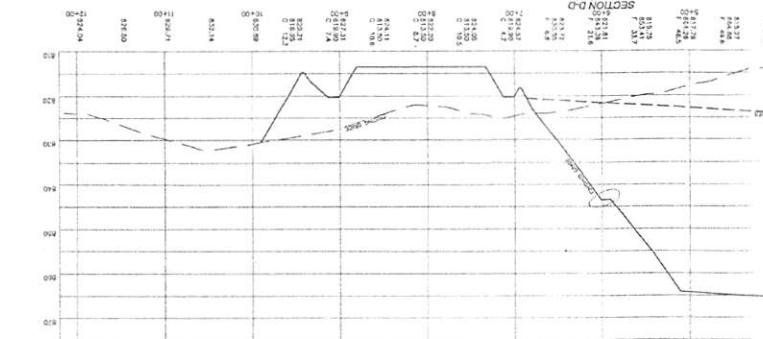
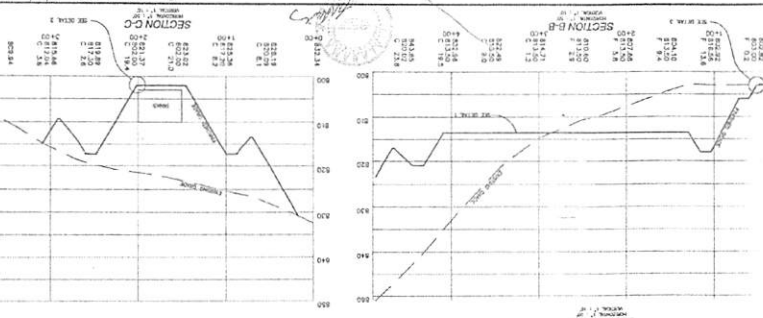
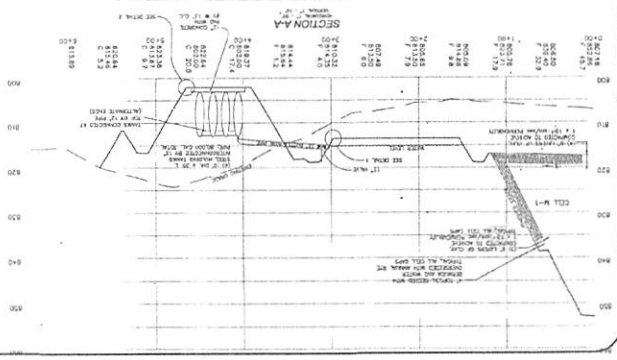
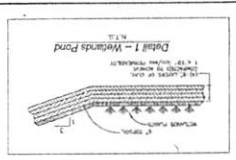
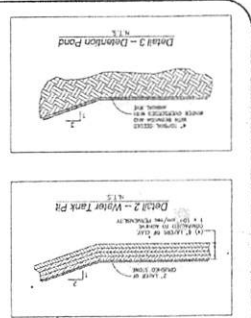
| | |
|---------------------|---|
| PROJECT NO. | 10-001 |
| DATE | 11/11/00 |
| BY | JLS |
| CHECKED BY | JLS |
| DATE | 11/11/00 |
| PROJECT NAME | Landfill Expansion Near Anniston, Alabama for Industrial Waste Inc. |
| PROJECT LOCATION | |
| PROJECT SCALE | AS SHOWN |
| PROJECT STATUS | |
| PROJECT DESCRIPTION | |
| PROJECT NOTES | |

Grading Plan

10-001

Taylor Land Surveying Inc.
Professional Surveyors
1111 North 1st Street
Anniston, Alabama 36410
(205) 233-1111



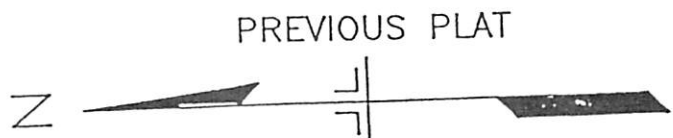
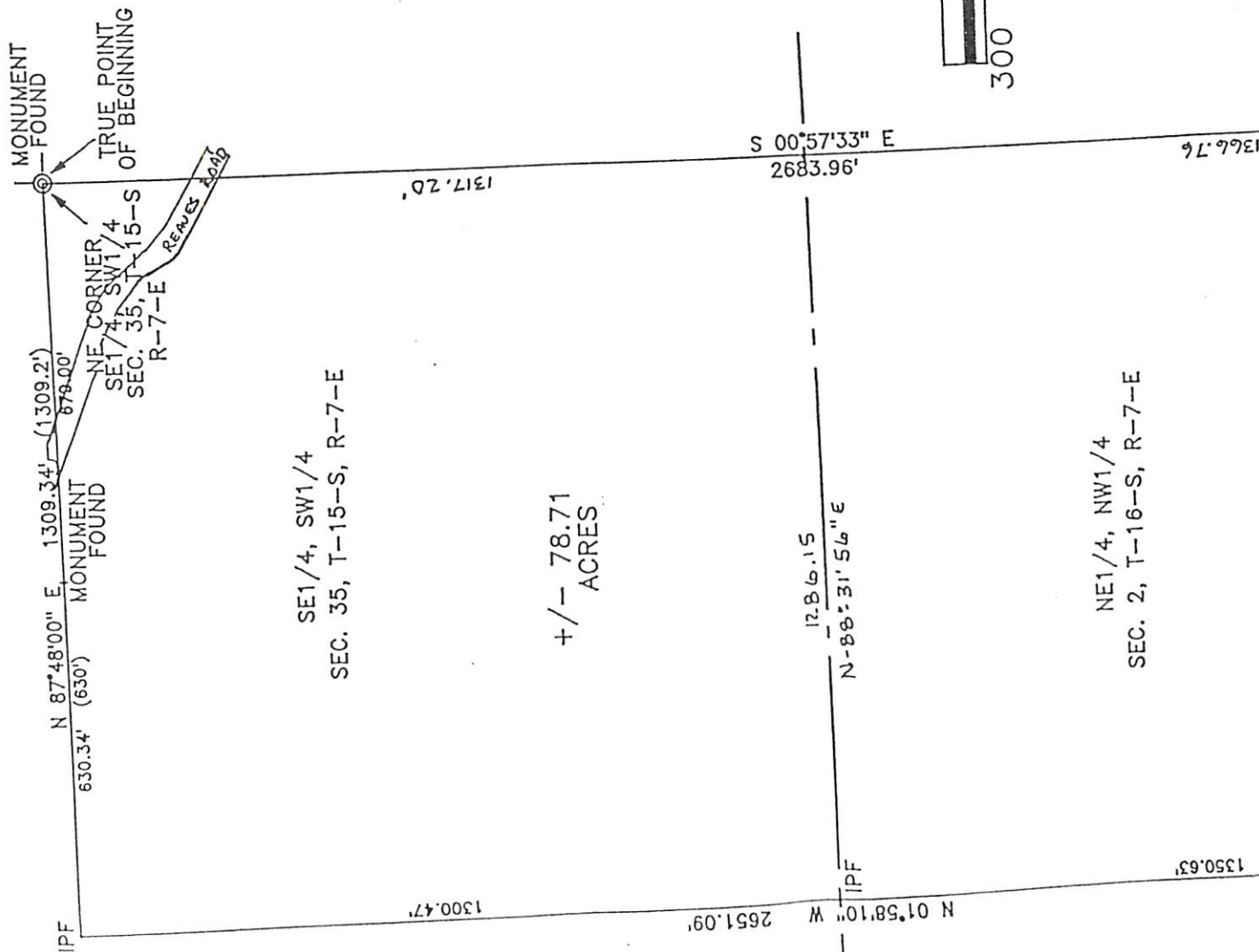


Taylor Land Surveying, Inc.
Professional Surveyors
Alabama
10-001

Large Expansion
New Albany, Alabama
for Industrial Waste Pk.

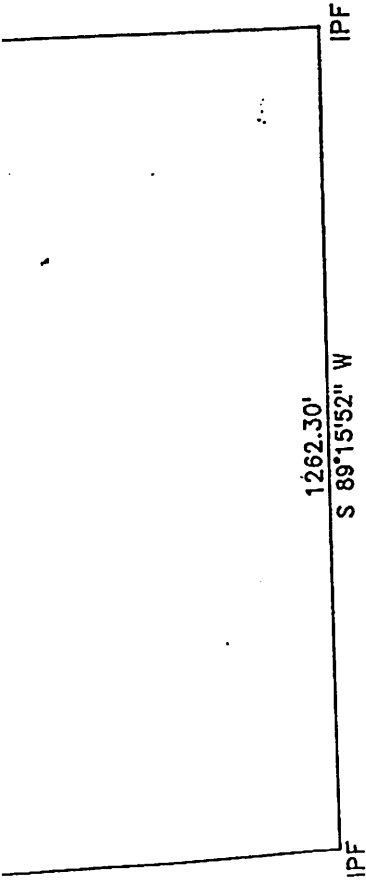


Boundary Plat



SCALE
SCALE 1 in = 300 ft
JOB NUMBER 94-74
ITEMS IN PARENTHESES
ARE AS RECORDED

M



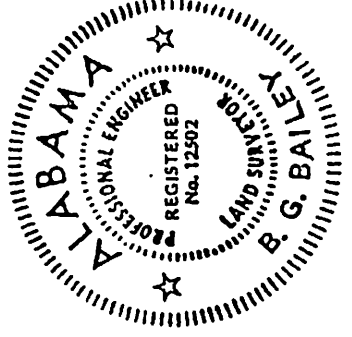
State of Alabama:
To All Interested Parties:
Calhoun County:

I, B.G. Bailey, a registered land surveyor of Alabama, do hereby certify that the hereon plat is a true and correct plat of the SE $\frac{1}{4}$ of the SW $\frac{1}{4}$ of Section 35, Township 15 South, and the NE $\frac{1}{4}$ of the NW $\frac{1}{4}$ of Section 2, Township 16 South, all in Range 7 East; said parcel being more particularly described as follows: Beginning at the Northeast corner of the SE $\frac{1}{4}$ of the SW $\frac{1}{4}$ of Section 35; thence South 00 degrees 57 min. 33 sec. East 2683.96 ft. to the Southeast corner of the NE $\frac{1}{4}$ of the NW $\frac{1}{4}$ of Section 2; thence South 89 degrees 15 min. 52 sec. West 1262.30 ft. to the accepted Southwest corner of said quarter; thence North 01 degrees 58 min. 10 sec. West 2651.09 ft. to the Northwest corner of the SE $\frac{1}{4}$ of the SW $\frac{1}{4}$; thence North 87 degrees 48 min. 00 sec. East 1309.34 ft. to the point of beginning. Containing 78.71 acres, more or less; less Right of Way assigned to Reaves Road.

I further certify that all parts of this survey and drawing have been completed in accordance with the requirements of the Minimum Technical Standards for the Practice of Land Surveying in the State of Alabama.

According to my survey of February 2, 1994.

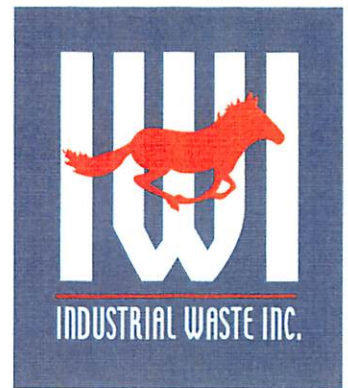
B.G. Bailey
B. G. Bailey, Reg. No. 12502
Bailey Engineering, Inc.
1205 Noble Street
Anniston, Alabama 36201



September 16, 2022

Alabama Department of
Environmental Management
PO Box 301463
Montgomery, AL 36130-1463

Received
SEP 20 2022
Land Division



Via: Certified Mail: 7018 0360 0001 1691 3994

PO Box 3405
Oxford, AL 36203

256.835.3377

Attention: Mr. Jonathan Crosby
Solid Waste Branch

RE: Minor Mod/Monitoring Well Installation Work Plan

Dear Mr. Crosby,

Enclosed is our completed and executed Permit Modification form 439 and associated well installation plan for proposed well MW-8 at the Industrial Waste, Inc. Facility in Anniston, Alabama in Calhoun County. Also enclosed is our check for the Permit Modification Fee of \$1,460.00.

Please note that a Groundwater Sampling Plan will be submitted under separate cover.

If you have questions, please call Robert R. Bailey, PG of Labella Associates: 205-985-4874.

Sincerely,

Brenda S. Gay
President

enclosures: 9

SOLID WASTE APPLICATION

PERMIT APPLICATION
SOLID WASTE DISPOSAL FACILITY
ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
(Submit in Triplicate)

1. Facility type: ☐ Municipal Solid Waste Landfill (MSWLF)
☒ Industrial Landfill (ILF)
☐ Construction and Demolition Landfill (C/DLF)
☐ CCR Landfill (CCRLF)
☐ CCR Surface Impoundment (CCRSI)
☐ Other (explain) _____

2. Facility Name Industrial Waste, Inc.

3. Applicant/Permittee:

Name: Tommy H. Taylor

Address: PO Box 3405 Oxford, AL 36203

Telephone: 256.835.3377

If applicant/permittee is a Corporation, please list officers:

4. Location: (include county highway map or USGS map)

Township 15 South Range 7 East And Township 16 South Range 7 East
Section 35 County Calhoun Section 2 County Calhoun

5. Land Owner:

Name: Industrial Waste, Inc.

Address: PO Box 3405 Oxford, AL 36203

Telephone: 256.835.3377

(Attach copy of agreement from landowner if applicable.)

Solid Waste Permit Application
Page 2

6. Contact Person:

Name Brenda S. Gay

Position or
Affiliation President

Address: PO Box 3405 Oxford, AL 36203

Telephone: 256.835.3377

7. Size of Facility: 80 Acres Size of Disposal Area(s): 18.08 Acres

8. Identify proposed service area or specific industry that waste will be received from:
Calhoun County, Cleburne County, and Northern Talladega County in Alabama

9. Proposed maximum average daily volume to be received at landfill (choose one):
500 Tons/Day 500 Cubic Yards/Day

10. List all waste streams to be accepted at the facility (i.e., household solid waste, wood boiler ash, tires, trees, limbs, stumps, etc.):
Non-hazardous industrial waste, construction and demolition waste, friable asbestos,
petroleum contaminated soils, tires, clearing and grubbing debris, municipal sludges,
paper, foundry sand and baghouse dust.

11. Variance: 3:1 Working slopes and 2. 5:1 Closed Slopes

SIGNATURE (Responsible official of permit applicant):

Tommy H. Taylor TITLE: Owner, Chairman of the Board
Tommy H. Taylor DATE: 9/16/22
(please print or type name)



September 16, 2022

Alabama Department of
Environmental Management
P.O. Box 301463
Montgomery, Alabama 36130-1463

VIA ELECTRONIC MAIL

Attention: Mr. Jonathan Crosby
Solid Waste Branch

RE: **Monitoring Well Installation Work Plan
Industrial Waste, Inc. Landfill – Permit No. 08-19
Anniston, Calhoun County, Alabama
LaBella Project No. 2201670.01 Phase 01**

Dear Mr. Crosby,

On behalf of Industrial Waste, Inc., LaBella Associates, D.P.C. (LaBella) is submitting this *Monitoring Well Installation Work Plan* for the Industrial Waste, Inc. Landfill in Anniston, Calhoun County, Alabama (the Site). The Site location is shown on Figure 1 (attached). The work plan presented below was prepared to complete the installation of monitoring well MW-8 as a downgradient compliance well. The well installation activities are described in detail in the following sections.

Monitoring Well Installation

Monitoring well MW-8 will be installed in the southwestern portion of the proposed expansion area of the subject landfill, and south of monitoring well MW-2 (approximate location provided on Figure 2). Based on previously collected groundwater elevation data, the potentiometric surface appears to show a slight divide in the flow pattern, with a northwesterly flow pattern observed in the northern portion of the property, and a southwesterly flow pattern observed in the southern portion of the Site. Based on the current well network at the Site and available topographic maps reviewed, it is anticipated that the total depth will be approximately 230 feet below ground surface. The well will be drilled using air rotary drilling methods by an Alabama-licensed well driller.

Monitoring well MW-8 will be constructed as a Type II permanent groundwater monitoring well in accordance the guidelines outlined in the most recent edition of U.S. Environmental Protection Agency (EPA) Region IV's *Environmental Investigations Standard Operating Procedures and Quality Assurance Manual* and the most recent edition of the *Alabama Environmental Investigation and Remediation Guidance (AEIRG)*.

The well will be constructed using a minimum of a 20-foot section of 2-inch Schedule 40 polyvinyl chloride (PVC), 0.010-slotted screen and 2-inch PVC riser casing to ground surface. Depending on the condition of the bedrock encountered, an outer casing may be necessary to prevent borehole collapse. A sand filter pack will be installed around the well screen to a minimum of one to two feet above the well screen. A minimum of two feet of bentonite will be placed around the PVC casing above the sand



pack and hydrated to form a seal, and the remainder of the annulus will be filled with a neat cement mixture to ground surface. The well will then be completed with a stand-up protective aluminum cover with a locking cap and protective bollards installed around the well pad.

Once completed, the well will be developed by purging approximately four well-casing volumes using a submersible pump (or other field-capable device) to sufficiently remove sediments accumulated in the well screen and filter pack and to re-establish the hydraulic flow conditions of the formation that may have been disturbed during well construction activities.

A survey of the top of well casing of the newly installed monitoring well will be coordinated by Industrial Waste, Inc. The survey will establish a measuring point elevation on the top of well casing and will be referenced to mean sea level.

Monitoring Well Installation Completion Reporting

Following completion of the above-referenced activities, a letter report documenting the well installation activities will be submitted to the Alabama Department of Environmental Management (ADEM) under separate cover. In addition, a *Groundwater Monitoring Plan* will also be completed (and submitted under separate cover) and will include a figure showing the location of the newly installed well and a discussion on how statistical analysis will be conducted on the newly installed well.

LaBella appreciates your consideration in this matter. If you have any questions concerning this submittal or require any additional information, please contact our office at (205) 985-4874.

Sincerely,

LaBella Associates, D.P.C.

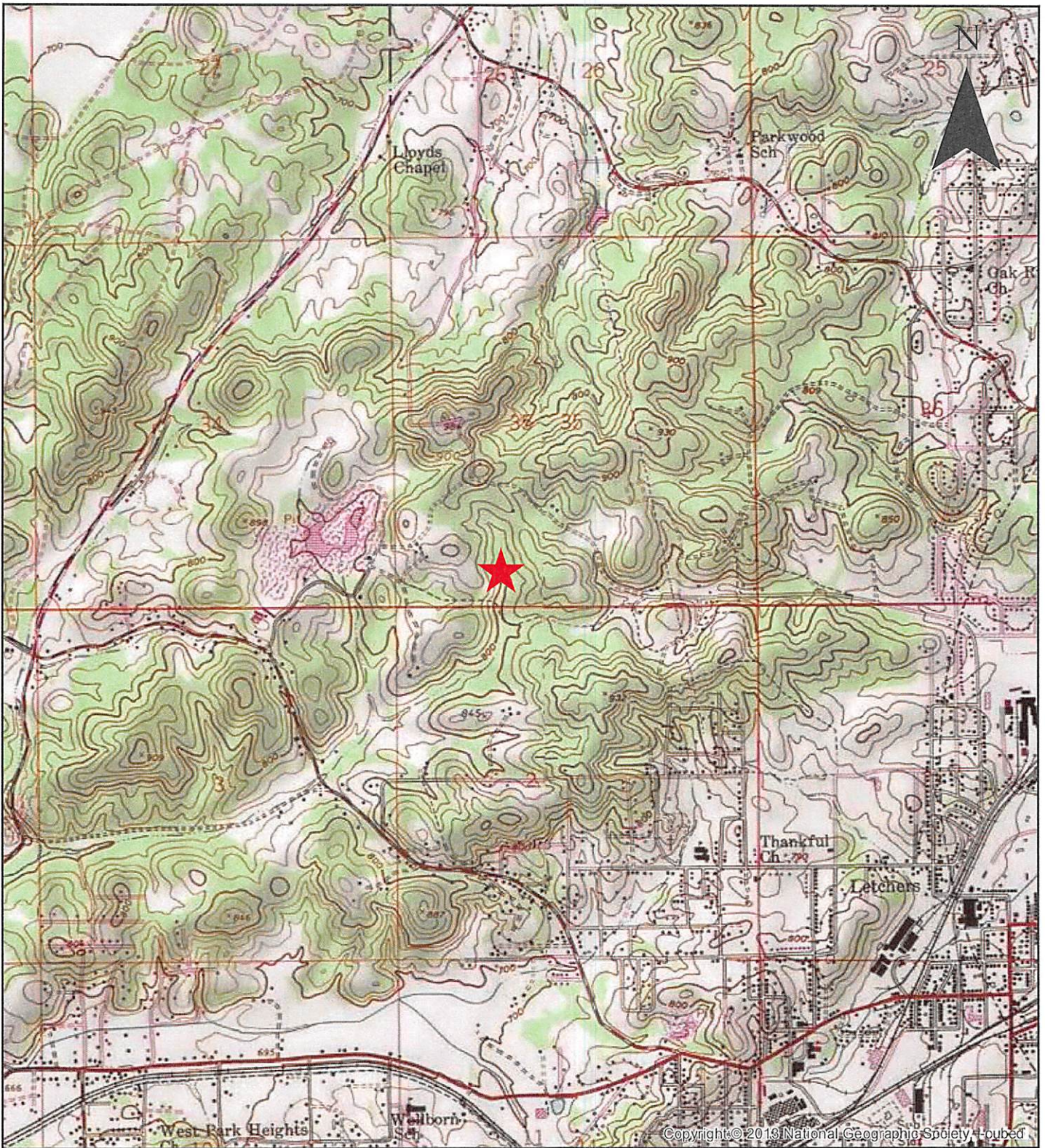
Robert R. Bailey, PG
Senior Project Geologist

Attachments: Figure 1 – Site Location Map
Figure 2 – Proposed Monitoring Well Location Map

cc: Tommy Taylor, Industrial Waste, Inc.

ATTACHMENTS

FIGURES



Legend

★ Site Location



528 MINERAL TRACE
HOOVER, AL 35244
(205) 985-4874

TITLE:

Site Location Map
Industrial Waste, Inc.
Landfill
Anniston, Alabama

SCALE:

0 1,000 2,000
1 inch = 2,000 feet

FIGURE NO.

1

PROJECT NO.

General Map

DRAWN BY

AJH

DATE DRAWN

8/25/2022

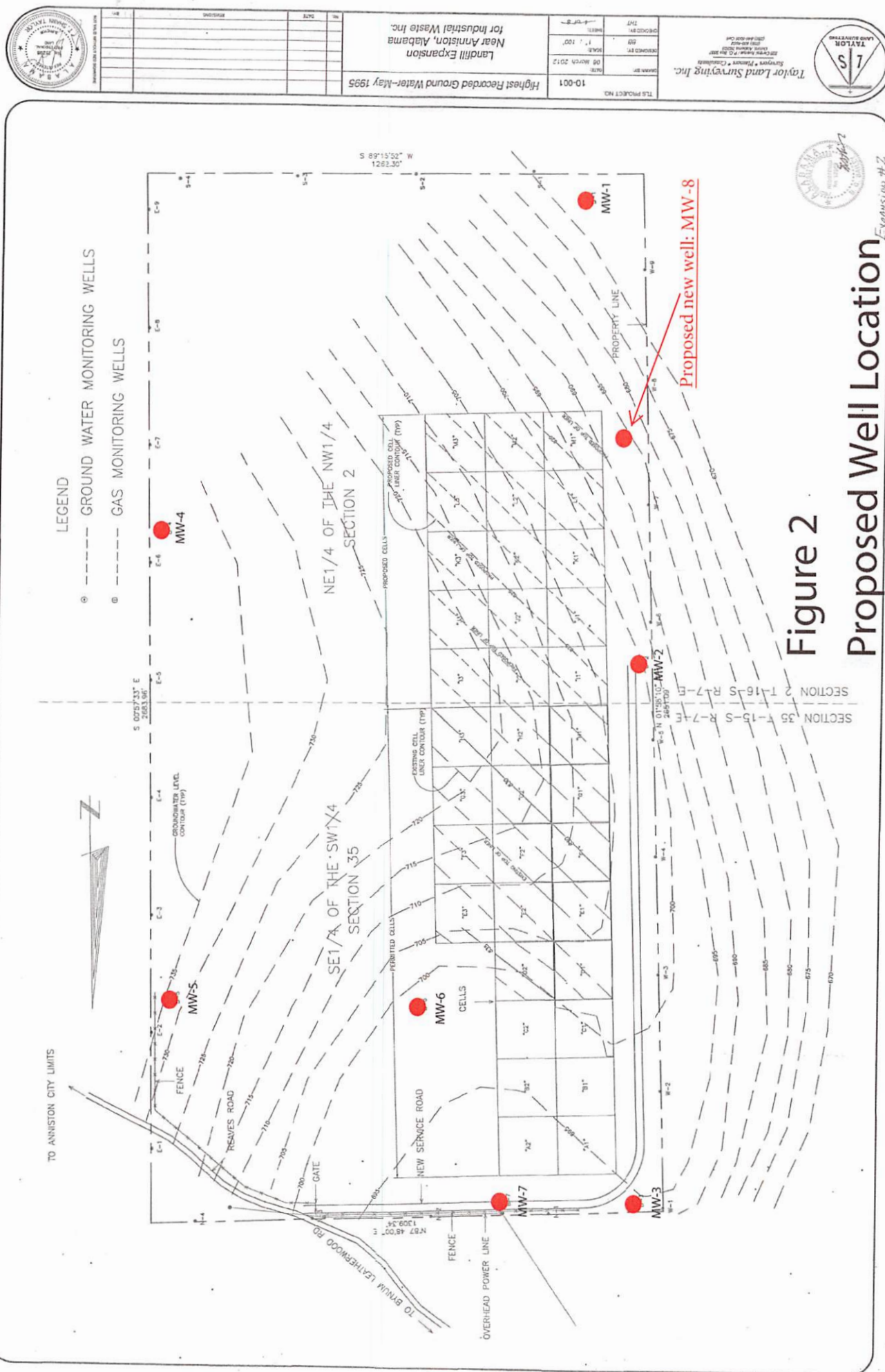


Figure 2

Proposed Well Location

Sheet 148^m

Sheet 48



March 20, 2023

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

VIA ELECTRONIC MAIL
melissa.adornato@adem.alabama.gov

Received

MAR 20 2023

Land Division

Attention: Ms. Melissa Ardonato

RE: Request for Variance
Alternate Weekly Cover
Industrial Waste, Inc. Landfill
Permit No.: 08-19
Anniston, Alabama

Dear Ms. Ardonato:

On behalf of Industrial Waste, Inc. (IWI), LaBella Associates, DPC (LaBella) is submitting this request to the Alabama Department of Environmental Management (ADEM) for a variance under ADEM Admin Code r. 335-13-8 for the above-referenced facility as part of the pending permit minor modification. The appropriate fees for the Department's processing of this request have previously been submitted for the review of the permit minor modification application.

In accordance with ADEM Admin. Code r. 335-13-8-.02(2)(a), the precise extent of the relief being sought, including the specific provisions of the regulations addressed under this new variance request are as follows:

Specific authorization for the use of non-hazardous foundry sand as an alternate weekly cover. The alternate cover will be placed in accordance with ADEM Admin Code r. 335-13-4-.23(1)(a)1. and will be added at the conclusion of each week's operation to control disease vectors, fires, odors, blown litter and scavenging. The foundry sand proposed for use as an alternate cover materials is a currently approved waste stream for disposal at the subject facility. A copy of the Waste Disposal Certification is included as an attachment.

As required by ADEM Admin. Code r. 335-13-8-.02(b), IWI presents the following assessment of the impacts the requested variance would impose on public health and the environment:

The use of foundry sand as an alternate weekly cover will be adequate to satisfy the requirement of 335-13-4-.23(1)(a)1 and control disease vectors, fires, odors, blown litter, and scavenging, will be consistent with proper landfill disposal procedures and will be protective of public health and the environment.

IWI asserts that the granting of the requested variance from the particular provision of Division 13 would not threaten the public health or unreasonably create environmental pollution, in accordance with ADEM Admin. Code r. 335-13-8-.02(d).

Additionally, IWI informed Calhoun County of its intentions to use Foundry Sand as an Alternate Weekly Cover. In Calhoun County's letter to IWI, dated March 15, 2023, the County does not require public or local governmental approval for the requested variance. Acopy of the County's letter is also attached.



LaBella Associates, D.P.C. and IWI appreciate your consideration in this matter. If you have questions regarding this submittal or require any additional information, please contact me at (205) 985-4874 or wcooch@labellapc.com.

Sincerely,
LaBella Associates

William W. Cooch, P.G.
Principal Geologist

Attachment: Waste Certification
Calhoun County Letter

LANCE R. LEFLEUR
DIRECTOR



Kay Ivey
GOVERNOR

Alabama Department of Environmental Management
adem.alabama.gov

1400 Coliseum Blvd. 36110-2400 ■ Post Office Box 301463
Montgomery, Alabama 36130-1463
(334) 271-7700 ■ FAX (334) 271-7950

12/14/2022

Delivered Via Email to Scott McGinnis

RE: Waste Certification
Foundry waste-Slag, Core Butts, Baghouse Dust, Foundry Sand, Refractory Lining Material, EPDM Rubber
Updated analytical needed for next recertification.

The Alabama Department of Environmental Management has reviewed your waste certification received on 12/13/2022 and has assigned a Certification Number for this waste as shown below.

Waste Profile #: 120384
Certification #: SW-123124-B077
Expiration Date of Certification: 12/31/2024

RMG Anniston LLC
260 Central Castings Drive
Anniston, AL

In your certification you requested one or more landfills be approved to receive your waste. Based on our review of the waste and the landfills requested, the waste is approved for disposal in the following landfills:

| | |
|-------------------------------|-------|
| Sand Valley Landfill | 25-04 |
| Star Ridge Landfill | 58-05 |
| Cedar Hill Landfill | 58-01 |
| Industrial Waste Inc Landfill | 08-19 |
| Three Corners Landfill | 10-02 |

You should provide this approval letter to the landfill(s) listed above and contact the landfill to determine any special handling requirements for this waste prior to delivery to the landfill. According to ADEM regulations, the landfill may not receive this waste unless it has received a waste certification approval. For waste generated on a routine basis (not a one-time occurrence), another written certification for this waste stream should be submitted to ADEM prior to the expiration date listed above or at any time the process producing the waste changes. Each submittal should include a completed Solid Waste Profile Sheet, any supporting documentation including current analytical, and the appropriate fee. Current analytical consists of analysis performed within the past six months.

If at any time before the expiration date of this certification, new analysis of the waste is performed, the new results will supersede any prior analysis from the time the samples are taken. If the new analysis indicates the waste is still non-hazardous, the waste may continue to be disposed of at the landfill listed above until the expiration date of this certification. If the new analysis indicates the waste is hazardous, this certification is revoked. Each time new analysis is performed on the waste, copies of the analytical results should be provided to ADEM and the landfill until this certification expires. The generator should not dispose of the waste prior to the receipt and review of the sampling results. Furthermore, this approval letter does not exempt RMG Anniston LLC from complying with all applicable requirements of the ADEM Administrative Code. If you have any questions concerning this approval or the approval process, please contact Ms. Bailee Dykes at 334-279-3061.

Sincerely,

Brent A. Watson, Chief
Compliance and Enforcement Section
Land Division

BAW/bld

Birmingham Branch
110 Vulcan Road
Birmingham, AL 35209-4702
(205) 942-6168
(205) 941-1603 (FAX)

Decatur Branch
2715 Sandlin Road, S.W.
Decatur, AL 35603-1333
(256) 353-1713
(256) 340-9359 (FAX)

Mobile Branch
2204 Perimeter Road
Mobile, AL 36615-1131
(251) 450-3400
(251) 479-2593 (FAX)

Mobile-Coastal
3664 Dauphin Street, Suite B
Mobile, AL 36608
(251) 304-1176
(251) 304-1189 (FAX)



CALHOUN COUNTY COMMISSION

1702 NOBLE STREET, SUITE 103
ANNISTON, ALABAMA 36201
TELEPHONE (256) 241-2800
CCC@CALHOUNCOUNTY.ORG

COMMISSIONERS

FRED WILSON
District 1

DANNY SHEARS
District 2

CAROLYN HENDERSON
District 3

TERRY HOWELL
District 4

LEE PATTERSON
District 5

MARK E. TYNER
County Administrator

GLORIA FLOYD
County Attorney

March 15, 2023

Alabama Department of Environmental Management
Land Division
Solid Waste Branch
Solid Waste Engineering Section
P.O. Box 301463
Montgomery, Alabama 36130-1463

RE: Industrial Waste, Inc. – ADEM Permit 08-19
Local Approval – Minor Modification of Landfill Operations Manual

To Whom it May Concern,

Industrial Waste, Inc. ("IWI"), informed the County of its intentions to make minor modifications to its existing Landfill Operations Manual and its alternate waste cover, for compliance reasons. The requested modifications are to provide for the waste placement, compaction and cover to be covered weekly with approved Foundry Sand in Section I A. 14 and Section II A. 3. B. Please note that Calhoun County, Alabama, does not require public nor local governmental approval for the requested modification.

If you require additional information, or have further questions, please feel free to reach out to our County Administrator, Mr. Mark E. Tyner, at 256-241-2800, or you can reach him by email at mtyner@calhouncounty.org.

Sincerely,

Fred Wilson,
Chairman of the
Calhoun County Commission

cc: County Commission
Mr. Tommy Taylor