



SOLID WASTE DISPOSAL FACILITY PERMIT

PERMITTEE: Pickens County Commission

FACILITY NAME: Pickens County Inert Landfill

FACILITY LOCATION: Section 29, Township 20 South, Range 15 West in Pickens County, Alabama. The total permitted area is approximately 66.13 acres with 15.53 acres permitted for disposal.

PERMIT NUMBER: 54-01

PERMIT TYPE: Construction/Demolition Landfill

WASTE APPROVED FOR DISPOSAL: Non-putrescible and non-hazardous construction and demolition waste and rubbish as defined by ADEM Rule 335-13-1-.03, and discarded tires.

APPROVED WASTE VOLUME: Average Daily Volume of 5 tons per day

APPROVED SERVICE AREA: Pickens County, 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, SS 22-27-1 to 22-27-27 ("SWRMMA"), the Alabama Environmental Management Act, as amended, Code of Alabama 1975, SS 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: April 19, 2012

EFFECTIVE DATE: July 23, 2012

MODIFICATION DATE: ????????????

EXPIRATION DATE: July 22, 2017

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

Permittee: Pickens County Commission
P.O. Box 427
Carrollton, Alabama 35447

Landfill Name: Pickens County Inert Landfill

Landfill Location: Section 29, Township 20 South, Range 15 West
Pickens County

Permit Number: 54-01

Landfill Type: Construction and Demolition

Pursuant to the Solid Wastes & Recyclable Materials Management Act, Code of Alabama 1975, §§22-27-1, *et seq.*, as amended (the “Act”), and attendant regulations promulgated there under by the Alabama Department of Environmental Management (ADEM), this permit is issued the Pickens County Commission (hereinafter called the Permittee), to operate a solid waste disposal facility, known as the Pickens County Inert 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 335-13-1 through 335-13-13 of the ADEM Administrative Code (hereinafter referred to as the "ADEM Admin. Code" or as “335-13”). 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 Admin. 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 ADEM on January 19, 2012 for permit renewal, on August 2, 2011 and as amended for permit modification, and on August 14, 2015 for permit modification and is 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 ADEM 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 **July 23, 2012**, modified on **February XX, 2016**, and shall remain in effect until **July 22, 2017**, 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 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 the Act, 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 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 ADEM 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 ADEM. Any permit noncompliance, other than noncompliance authorized by a variance, constitutes a violation of the Act 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 ADEM at least 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.,E.,2., and, through no fault of the Permittee, ADEM 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 ADEM, within a reasonable time, any information that ADEM 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 ADEM 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 ADEM 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 the Act.
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 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.,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 ADEM 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 ADEM, in the form of a request for permit modification, at least 90 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 ADEM. 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. The Permittee may not commence disposal of waste in any new cell or phase until the Permittee has submitted to ADEM, by certified mail or hand delivery, a letter signed by both the Permittee and a professional engineer stating that the facility has been constructed in compliance with the permit. ADEM must inspect the constructed cells or phases before the owner or operator can commence waste disposal unless the Permittee is notified that ADEM will waive the inspection.
 13. Compliance Schedules. Reports of compliance or noncompliance with or any progress reports on interim and final requirements contained in any compliance schedule required and approved by ADEM shall be submitted no later than 14 days following each schedule date.
 14. Other Noncompliance. The Permittee shall report all instances of noncompliance with the permit at the time monitoring reports are submitted.
 15. Other Information. If the Permittee becomes aware that information required by the Application was not submitted or was incorrect in the Application or in any report to ADEM, the Permittee shall promptly submit such facts or information. In addition, upon request, the Permittee shall furnish to ADEM, 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 335-13.
 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.,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 waste and special waste.
 - e. Groundwater monitoring records.
 - f. Explosive gas monitoring records.
 - g. Surface water and leachate monitoring records.
 - h. Copies of this Permit and the Application.
 - i. Copies of all variances granted by ADEM, 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 activities conducted pursuant to the requirements of this permit, including, but not limited to, groundwater, surface water, explosive gas and leachate monitoring. The groundwater monitoring shall be conducted in March and September of each year, or as directed by ADEM, and the reports shall be submitted at least semi-annually, or as directed by ADEM. The reports should contain all monitoring results and conclusions from samples and measurements conducted during the sampling period. Explosive gas monitoring must be submitted once each year, and the reports should be submitted to ADEM and placed in the operating record within 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 335-13 must be furnished upon request, and made available at reasonable times for inspection by any officer, employee, or representative of ADEM.
 - b. All records, including plans, required under this permit or 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 ADEM.
 - c. A copy of records of waste disposal locations and quantities must be submitted to ADEM and local land authority upon closure of the facility.
- I. Documents to be Maintained by the Permittee. The Permittee shall maintain, at the Pickens County Inert Landfill office 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, Waste Programs Branch
Alabama Department of Environmental Management
P.O. Box 301463
Montgomery, AL 36130-1463
 2. Physical Address.
Chief, Waste Programs Branch
Alabama Department of Environmental Management
1400 Coliseum Blvd.
Montgomery, Alabama 36110-2059
- K. Signatory Requirement. All applications, reports or information required by this permit, or otherwise submitted to ADEM, 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 if the information is protected under Code of Alabama 1975 §§22-39-18, as amended.
- 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 335-13.
- B. Open Burning. The Permittee shall not allow open burning without prior written approval from ADEM and other appropriate agencies. A burn request should be submitted in writing to ADEM 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 for the detecting and preventing the disposal of free liquids, regulated hazardous waste, PCB's, and medical waste 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 not dispose of industrial waste as required by 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 C/D LANDFILLS.

- A. Waste Identification and Management.
 - 1. Subject to the terms of this permit, the Permittee may accept for disposal the nonhazardous solid wastes listed in III.B. Disposal of any other wastes is prohibited, except waste granted a temporary or one time waiver by the Director.
 - 2. The total permitted area for the Pickens County Inert Landfill is approximately 66.13 acres with approximately 15.53 acres permitted for disposal operations.
 - 3. The maximum average daily volume of waste disposed at the facility shall not exceed 5 tons/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 335-13-5-.06(2)(a)5. An increase in maximum average daily volume shall not be approved by ADEM unless the permittee has received local approval for the increased maximum average daily volume. The average daily volume shall be computed as specified by 335-13-5-.06(2)(a)5.(i).
- B. Waste Streams. The Permittee may accept for disposal non-putrescible and non-hazardous construction and demolition waste and rubbish as defined by ADEM Rule 335-13-1-.03, and discarded tires.
- C. Service Area. The Permittee is allowed to receive waste from Pickens County, Alabama.
- D. Waste Placement, Compaction, and Cover. All waste shall be confined to an area as small as possible and placed onto an appropriate slope not to exceed 4 to 1 (25%). 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. These are minimum requirements for waste placement and compaction unless a variance is granted in Section VIII.
- E. Liner Requirements. At this time, the Permittee shall not be required to line the disposal cells. The base of the disposal cells shall be a minimum of five (5) feet above the temporal fluctuation of the groundwater table.
- 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 Noncontainerized Liquid Waste. The Permittee shall not dispose of bulk or noncontainerized liquid waste, or containers capable of holding liquids, unless the conditions of 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 ADEM.
- N. Other Requirements. ADEM 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 ADEM.
- 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 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.

Groundwater monitoring is required at this landfill due to the adjacent closed sanitary portions, which is under post-closure care.

- 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 1 at the locations specified in the Application, and any other groundwater monitoring wells which are added during the active life and the post closure care period.
 - 2. The Permittee shall maintain groundwater monitoring well CD-1R as the background groundwater monitoring wells for the entire facility.
 - 3. The Permittee shall install and maintain additional groundwater monitoring wells as necessary to assess changes in the rate and extent of a plume of contamination or as otherwise deemed necessary to maintain compliance with the 335-13.
 - 4. Prior to installing additional groundwater monitoring wells, the Permittee shall submit a report to ADEM with a permit modification request specifying the design, location and installation of additional monitoring wells. This report shall be submitted within ninety (90) 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 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 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 335-13-4-.27, in all monitoring wells identified in Section IV.A.2. to establish background water quality and/or as directed by 335-13-4-.27(2)(j) and 335-13-4-.27(2)(a)(1). The records and results of this sampling and analysis activity shall be submitted to ADEM, within sixty (60) days of the date of sampling.
4. The Permittee shall sample, and analyze all monitoring wells identified in Table 1 for the parameters listed in Appendix I of 335-13-4-.27(3), on a semi-annual basis throughout the active life of the facility and the post-closure care period in accordance with 335-13-4-.27(3). Sampling shall be conducted during March and September of each year, beginning with the effective date of this permit.
5. In addition to the requirements of Sections IV., B.1., B.2., B.3. and B.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.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 of 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 of the Application.

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.E.9.c.
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.I.1.

- E. Permit Modification. If the Permittee or ADEM determines that the groundwater monitoring system no longer satisfies the requirements of 335-13-4-.14 or Section IV.A. of this permit, the Permittee must, within 90 days, submit an application for a permit modification to make necessary and/or appropriate changes to the system.

TABLE 1
GROUNDWATER MONITORING WELLS

Monitoring Well Number	Top of Casing (feet msl)	Part Monitoring
UPGRADIENT/BACKGROUND MONITORING WELL		
CD-1R	394.97	Closed Sanitary Landfill
DOWNGRADIENT MONITORING WELLS		
SW-3	317.58	Closed Sanitary Landfill
SW-4	333.44	Closed Sanitary Landfill

SECTION V. GAS MONITORING REQUIREMENTS

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

SECTION VI. LEACHATE AND SURFACE WATER MANAGEMENT REQUIREMENTS

The Permittee shall construct and maintain run-on and run-off control structures. Any discharges from drainage control structures shall be permitted through a discharge permit issued by the ADEM Water Division.

SECTION VII. CLOSURE AND POST-CLOSURE REQUIREMENTS

The Permittee shall close the landfill and perform post-closure care of the landfill in accordance with Division 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 Division 13.
- B. Vegetative Cover. The Permittee shall establish a vegetative or other appropriate cover within 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 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 an 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 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. The Permittee shall reapply in order to fulfill the post-closure care requirements of this permit.
- 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 ADEM. 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 have 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 engineer, verifying the post-closure has been completed according to the Post-Closure Plan.
- J. Notice in Deed to Property. The Permittee shall record a notation onto the land deed containing the property utilized for disposal within 90 days after permit expiration, revocation or when closure requirements are achieved as determined by the Department as stated in the Application. 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.
- K. Recording Instrument. The Permittee shall submit a certified copy of the recording instrument to the Department within 120 days after permit expiration, revocation, or as directed by the Department as described in the Application.
- L. 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

There are no approved variances for the Pickens County Inert Landfill.

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 APPLICATION
SOLID WASTE DISPOSAL FACILITY
CONSTRUCTION/DEMOLITION LANDFILL
ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
(Submit in Triplicate)

The following application, with all required attachments, must be submitted before the Department will begin its review.

SECTION I:

LANDFILL ACTION: _____ New Application
_____ Renewal Application, Permit Number _____
 _____ Modification Application, Permit Number 54-01

LANDFILL NAME: Pickens County Inert Landfill

LANDFILL ADDRESS (MAILING): PO Box 427
Carrollton, AL 35447

LANDFILL ADDRESS (PHYSICAL): 11977 Pinegrove Rd
Carrollton, AL 35447

SECTION II:

APPLICANT/PERMITTEE:

NAME: Pickens County Commission

ADDRESS: PO Box 460
Carrollton, AL 35447

TELEPHONE: 205-307-2020

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

SECTION III:

LANDFILL OPERATOR:

Name:	(1) <u>Earl Jones</u>	(2) <u>Joan Owens</u>
Address:	<u>PO Box 427</u>	<u>PO Box 427</u>
	<u>Carrollton, AL 35447</u>	<u>Carrollton, AL 35447</u>
Telephone:	<u>205-367-8912</u>	<u>205-367-8912</u>

SECTION IV:

CONTACT PERSON(S):

Name:	(1) <u>Same</u>	(2) _____
Address:	_____	_____
	_____	_____
Telephone:	_____	_____

SECTION V:

LANDOWNER(S):

Name:	(1) <u>Same</u>	(2) _____
Address:	_____	_____
	_____	_____
Telephone:	_____	_____

Attach copy of agreement from landowner giving permission to use site for disposal if landowner is different from applicant.

SECTION VI:

ADJACENT LANDOWNER(S):

- a. Submit a list of all adjacent landowners including name and current mailing address
- b. Submit a drawing/map identifying the proposed disposal site and the properties of all adjacent landowners listed in "a" above.

SECTION VII:

LOCAL APPROVAL: No Required (Yes or No)

Date Received if needed (attach copy of resolution and proof of publishing public notice)

SECTION VIII:

WASTE DESCRIPTION:

a. Describe and list all waste streams/types to be accepted at landfill:

Non-putrescible and non-hazardous construction and demolition waste and rubbish
as defined by ADEM Rule 335-13-1-.03, and discarded tires

b. List proposed service area (geographic area or location(s)):

Pickens County

c. What is the maximum daily volume of waste to be received at the landfill? (Select One)

5 _____ tons per day _____ cubic yards per day

SECTION IX:

SITE DESCRIPTION:

a. Attach location map with the site clearly identified. Acceptable maps include a USGS 7.5 or 15 minute series, a county highway map published by the Alabama Department of Transportation.

b. Location:

County: Pickens

Part: _____ of Section(s): 29

Township(s): 20 South Range(s): 15 West

c. Attach legal property description and boundary plat of the permitted area and disposal area prepared and signed by a licensed land surveyor.

d. Size of permitted area: 66.13 _____ acres

e. Size of disposal area: 15.53 _____ acres

SECTION X:

This Section is to be completed by the applicants/permittees. A copy of all concurrence letters must be attached to this application upon submittal to the Department.

Location Standards: (Rule 335-13-4-.01(1))

- a. Is the landfill located in the 100-year flood plain? (need to have flood plain map)
NO: YES:
- b. Does the proposed landfill disposal area:
- (1.) Jeopardize the continued existence of endangered or threatened species protected under the Endangered Species Act of 1973?
NO: YES: (Attach letter from U.S. Dept. of Interior or Alabama Fish and Wildlife)
- (2.) Result in the destruction or adverse modification of critical habitats protected under the Endangered Species Act of 1973?
NO: YES: (Attach letter from U.S. Dept. of Interior or Alabama Fish and Wildlife)
- c. Is the proposed landfill located in a zone of active faults, seismic impact zones and unstable areas?
NO: YES:
(If YES then all required seismic studies should be submitted to the Department.)
- d. Is the proposed landfill located in an area that is archaeologically sensitive?
NO: YES: (Attach letter from State Historic Preservation Officer)

Water Quality Standards (Rule 335-13-4-.01(2)):

(ADEM Water Division should be contacted to determine if permit is required)

- a. Will the proposed landfill discharge pollutants to waters of the State in violation of requirements of the National Pollutant Discharge Elimination System (NPDES) Permit?
NO: YES:
- b. Will the proposed landfill violate any requirement of an area wide or Statewide water quality plan that has been approved under the Alabama Water Pollution Control Act?
NO: YES:
- c. Will any part of the landfill, including buffer zone, be located in wetlands, beaches, dunes?
NO: YES:

d. Will solid waste be disposed in any location which will significantly degrade wetlands, beaches, or dunes?

NO: YES:

e. Will the proposed landfill be located outside the boundaries of the coastal area? (If not, then all demonstrations should be submitted to the Department for review.)

NO: YES:

Groundwater Elevations:

Has a minimum five-foot separation between the floor of the disposal cell and the groundwater been established? NO: YES:

SECTION XI:

GENERAL COMMENTS:

All materials listed in Rules 335-13-4-.12 to 335-13-4-.17, Rules 335-13-4-.19 to 335-13-4-.20, and Rule 335-13-4-.23 shall be kept at the landfill office along with a copy of the engineering drawings which must be submitted to the Department for review.

The applicant/permittee is responsible for obtaining a copy of the Division 13 regulations and complying with all Rules related to construction/demolition landfill units.

SECTION XII:

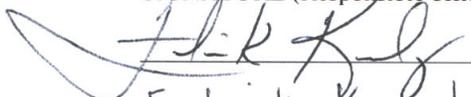
CERTIFICATION OF LOCAL GOVERNMENT APPROVAL:

Upon submittal of this application, we the undersigned certify that local approval has been obtained from Pickens County (city/county). Evidence of this local approval is contained in documents which are on file at the permit applicant's business address.

CERTIFICATION OF COMPLIANCE:

Upon submittal of this application, we the undersigned certify that this document and all attachments submitted are to the best of our knowledge and belief, true, accurate, and complete. We also understand that if any of the material certified to above has not been received, or is not complete or is not accurate, that shall be grounds for the Department to revoke the landfill permit if issued.

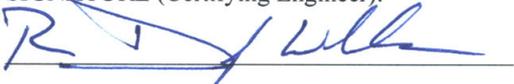
SIGNATURE (Responsible official of permit applicant):


Frederick Kennedy
(please print or type name)

TITLE: Commission Chairman

DATE: 7-6-15

SIGNATURE (Certifying Engineer):


R. Daniel Wells
(please print or type name)

TITLE: Sr. Project Manager

DATE: 8-12-15

FIRM: CDG Engineers and Associates

STAMP OR SEAL:

Adjacent Landowners

Winston Ferguson, Jr.
12444 Pine Grove Road
Carrollton, AL 35447



Engineering. Environmental. Answers.

1840 East Three Notch Street
Andalusia, AL 36421
Post Office Box 278
Andalusia, AL 36420
Tel (334) 222-9431
Fax (334) 222-4018

www.cdge.com



July 24, 2015

Shane Lovett
Solid Waste Division
Alabama Department of Environmental Management
Montgomery, AL 36130

**Re: Major Modification Application Summary
Pickens County Landfill**

Dear Mr. Lovett,

The following design modifications are included as part of this Major Modification for the Pickens County Landfill:

- Establishment of Seasonal High Groundwater
- Base Grading Plan
- Final Grading Plan
- Sediment Ponds and Run-on/off Control

BACKGROUND

The Pickens County Landfill, Permit No. 54-01, is located in Carrollton, AL and is owned by Pickens County. The facility contains a closed sanitary landfill and active construction/demolition landfill. In 2012, the facility submitted a major modification to expand C/D disposal to the Northwest as a separate disposal area. It was later determined that the new design did not maximize the facility's airspace and limited their disposal area. The proposed design addresses combining all disposal areas to create one disposal footprint that better utilized the facility and maximized airspace.

PROPOSED MODIFICATIONS

Seasonal High Groundwater

TTL, Inc installed 10 new piezometers, as shown on the permit plans, and collected bi-monthly water level readings during the months of February, March, and April 2015 to determine seasonal high groundwater for the facility. The potentiometric surface is shown on page 2 of the permit plans and the water level data summary is attached.

Base Grading Plan/Disposal Footprint

Using new seasonal high groundwater information collected by TTL, CDG re-designed the base grades for the C/D disposal area. The required 5 foot separation from groundwater was maintained. The new design maximizes airspace and utilizes the area between the currently

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permitted C/D disposal areas and the closed sanitary landfill increasing the waste disposal footprint to 15.53 acres. As shown on the permit plans, a portion of C/D disposal will take place over the closed sanitary landfill. Prior to disposal in this area, a 50-ft grid will be staked and the existing cap will be verified for thickness. The proposed grid is located attached. In areas that do not meet the ADEM requirement for final cap, material will be placed in a manner to meet ADEM requirements for clay liner. A final certification drawing and letter will be submitted to ADEM.

Final Grading Plan

The new final grading plan combines the previously permitted disposal areas. The design meets all regulatory requirements as listed below and can be reviewed in the Permit Plans:

- 18 inch Infiltration Layer
- 6 inch Erosion Layer
- Maximum final grade slope of 4:1
- Terraces every 20 feet in elevation rise
- Stormwater run-off directed to sediment ponds

Sediment Ponds and Run-off/on Control

As required by ADEM regulations, stormwater run-on and run-off were addressed as part of the new design. Stormwater from across the site will be directed to one of two new ponds located on the east and west sides of the facility and stormwater run-on was redirected to avoid the waste disposal footprint where possible. Design of all stormwater control features are located in the permit plans.

Wetlands

During previous permitting activities, it was determined that an area in the south west corner of the C/D disposal area contains wetlands. The wetland determination is on file at ADEM. Prior to disposal in that area, the wetlands area will be re-delineated and mitigation will be performed as needed.

Sincerely,
CDG Engineers & Associates, Inc.

Sarah J. Sightler
Project Manager

Enclosures:
Major Modification Application, Form 305
Adjacent Landowners
Summary of Water Level Measurements
Closed Landfill Cap Grid

✍



3516 Greensboro Avenue
Tuscaloosa, AL 35401
205.345.0816
www.ttlusa.com

Transmitted via: Email ssightler@cdge.com

July 24, 2015

Mrs. Sarah Sightler, P.E.
CDG Engineers and Associates, Inc.
1840 Highway 29 North
P.O. Box 278
Andalusia, AL 36420

Subject: Seasonal-high Groundwater Measurements
Pickens County Landfill Expansion
Carrollton, Pickens County, Alabama
ADEM Permit No. 54-01R
TTL Project No. 600107004

Dear Mrs. Sightler:

Enclosed is a summary spreadsheet of the water-level measurements recorded for the landfill expansion site at the Pickens County Landfill. This data was collected between February and April, 2015 in order to be representative of seasonal high groundwater for the uppermost saturated zone. These data were reviewed to identify the single highest water level for each piezometer/monitoring well for the period represented by the data. That data set was used to prepare the seasonal-high groundwater surface map for 2015 (enclosed) and furnished to CDG Engineers and Associates, Inc. (CDG) for design of the landfill expansion.

Please contact me if there is any additional information you may need.

Sincerely,
TTL, Inc.



J. Mark Tanner, P.G.
Principal Geologist

Enclosures: Summary Spreadsheet of Seasonal-high Groundwater Measurements
Seasonal-high Groundwater Surface Map for 2015

Table 2. Summary of Water level Measurements, Proposed Pickens County Landfill Expansion, TTL Project No. 600107004

Piezometer Designation	Elevation of Measuring Point (ft MLS)*	Date of Measurement	Depth to Water (ft BMP)***	Groundwater Elevation (ft AMSL)****	Comments
CD-1R	394.97	2/9/2015	51.90	343.07	
		2/23/2015	52.41	342.56	
		3/11/2015	51.79	343.18	
		3/26/2015	51.57	343.40	
		4/9/2015	NM	--	
		4/27/2015	NM	--	
CD-1	--	2/9/2015	NM	--	
		2/23/2015	61.23	--	
		3/11/2015	61.03	--	
		3/26/2015	61.00	--	
		4/9/2015	61.00	--	
		4/27/2015	59.92	--	
CD-3	364.39	2/9/2015	22.94	341.45	
PZ-1	344.11	2/9/2015	16.03	328.08	
		2/23/2015	15.69	328.42	
		3/11/2015	15.56	328.55	
		3/26/2015	15.86	328.25	
		4/9/2015	15.90	328.21	
		4/27/2015	15.88	328.23	
PZ-2	386.43	2/9/2015	46.49	339.94	
		2/23/2015	47.09	339.34	
		3/11/2015	46.09	340.34	
		3/26/2015	45.97	340.46	
		4/9/2015	46.64	339.79	
		4/27/2015	46.14	340.29	

Table 2. Summary of Water level Measurements, Proposed Pickens County Landfill Expansion, TTL Project No. 600107004

Piezometer Designation	Elevation of Measuring Point (ft MLS)*	Date of Measurement	Depth to Water (ft BMP)***	Groundwater Elevation (ft AMSL)****	Comments
PZ-03	374.71	2/9/2015	44.00	330.71	
		2/23/2015	44.28	330.43	
		3/11/2015	43.65	331.06	
		3/26/2015	43.51	331.20	
		4/9/2015	43.80	330.91	
		4/27/2015	43.68	331.03	
PZ-04	354.61	2/9/2015	11.06	343.55	
		2/23/2015	6.09	348.52	
		3/11/2015	4.79	349.82	
		3/26/2015	5.91	348.70	
		4/9/2015	8.62	345.99	
		4/27/2015	7.87	346.74	
PZ-05	342.08	2/9/2015	10.02	332.06	
		2/23/2015	9.43	332.65	
		3/11/2015	9.29	332.79	
		3/26/2015	10.45	331.63	
		4/9/2015	10.79	331.29	
		4/27/2015	10.45	331.63	
PZ-06	339.82	2/9/2015	10.08	329.74	
		2/23/2015	9.24	330.58	
		3/11/2015	9.05	330.77	
		3/26/2015	9.44	330.38	
		4/9/2015	9.44	330.38	
		4/27/2015	9.61	330.21	

Table 2. Summary of Water level Measurements, Proposed Pickens County Landfill Expansion, TTL Project No. 600107004

Piezometer Designation	Elevation of Measuring Point (ft MLS)*	Date of Measurement	Depth to Water (ft BMP)***	Groundwater Elevation (ft AMSL)****	Comments
PZ-07	343.74	2/9/2015	6.89	336.85	
		2/23/2015	5.11	338.63	
		3/11/2015	4.72	339.02	
		3/26/2015	5.67	338.07	
		4/9/2015	5.30	338.44	
		4/27/2015	6.08	337.66	
PZ-08	366.52	2/9/2015	25.29	341.23	
		2/23/2015	25.48	341.04	
		3/11/2015	24.84	341.68	
		3/26/2015	24.68	341.84	
		4/9/2015	24.60	341.92	
		4/27/2015	24.76	341.76	
PZ-09	339.87	2/9/2015	6.62	333.25	
		2/23/2015	5.90	333.97	
		3/11/2015	5.66	334.21	
		3/26/2015	5.93	333.94	
		4/9/2015	6.16	333.71	
		4/27/2015	5.97	333.90	
PZ-10	364.88	2/9/2015	22.01	342.87	
		2/23/2015	22.08	342.80	
		3/11/2015	21.46	343.42	
		3/26/2015	21.30	343.58	
		4/9/2015	21.61	343.27	
		4/27/2015	21.46	343.42	
PZ-11	351.91	2/9/2015	9.07	342.84	
		2/23/2015	9.08	342.83	
		3/11/2015	8.34	343.57	
		3/26/2015	8.25	343.66	
		4/9/2015	8.65	343.26	
		4/27/2015	8.30	343.61	

Table 2. Summary of Water level Measurements, Proposed Pickens County Landfill Expansion, TTL Project No. 600107004					
Piezometer Designation	Elevation of Measuring Point (ft MLS)*	Date of Measurement	Depth to Water (ft BMP)***	Groundwater Elevation (ft AMSL)****	Comments
PZ-12	389.71	2/9/2015	44.86	344.85	
		2/23/2015	45.26	344.45	
		3/11/2015	44.74	344.97	
		3/26/2015	44.45	345.26	
		4/9/2015	44.55	345.16	
		4/27/2015	44.42	345.29	
Staff Gauge		2/9/2015	2.70		
		2/23/2015	2.82		
		3/11/2015	2.80		
		3/26/2015	2.76		
		4/9/2015	2.76		
		4/27/2015	2.75		
* Feet mean sea level					
** Feet below land surface					
*** Feet below measuring point					
**** Feet average mean sea level					



LEGEND



- PZ-12 Piezometer and identifier
- CD-1R Groundwater monitoring well and identifier
- CD-3 Other (non-system) monitoring well and identifier
- 343.40 Relative groundwater elevation in feet AMSL (above mean sea level)
- 340 Groundwater contour in feet AMSL (Contour interval = 1.0 foot)

Groundwater contours generated using Surfer Surface Mapping System Version 8 by Golden Software, Inc.



APPROXIMATE SCALE:	1" = 100'	TTL PROJECT NO.:	600107004
DRAWING DATE:	02/19/2015	DATE PLOTTED:	02/19/2015
DESIGNED BY:	JMT	TELEPHONE NUMBER:	708
CHECKED BY:	JMT	ISSUE:	n/a

Seasonal High Groundwater
 February to April, 2015
 Pickens County Landfill Expansion
 ADEM Permit No. 54-01R.

