



ALABAMA  
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

# ***SOLID WASTE DISPOSAL FACILITY PERMIT***

**PERMITTEE:** Brownlee Landfill LLC

**FACILITY NAME:** Brownlee Landfill

**FACILITY LOCATION:** Southwest ¼ of Section 15, Township 2 South, Range 2 West on Henry Road in Mobile County, Alabama. The permitted facility consists of 20 acres with all approved for disposal.

**PERMIT NUMBER:** 49-22

**PERMIT TYPE:** Construction/Demolition Waste

**WASTE APPROVED FOR DISPOSAL:** Nonputrescible and nonhazardous construction and demolition waste and rubbish as defined by Rule 335-13-1-.03. and discarded tires.

**AVERAGE WASTE VOLUME:** Maximum Average Daily Volume of waste is 285 cubic yards per day

**SERVICE AREA:** Mobile County, Alabama

*In accordance with and subject to the provisions of the Solid Wastes 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:** ??????????????????

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

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

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

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Permittee: Brownlee Landfill, LLC  
5257 Henry Road  
Eight Mile, Alabama 36613

Landfill Name: Brownlee Landfill

Landfill Location: SW ¼ Section 15, Township 2 South, Range 2 West on Henry Road  
in Mobile County, Alabama

Permit Number: 49-22

Landfill Type: Construction and Demolition Landfill

Pursuant to the Alabama Solid Wastes & Recyclable Materials Management Act, Code of Alabama 1975, §§ 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 Brownlee Landfill, LLC (hereinafter called the Permittee), to operate a solid waste disposal facility, known as the Brownlee 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 335-13-15 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 February 19, 2019, for permit renewal, and as amended (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.

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Alabama Department of Environmental Management

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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 Div. 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, §§ 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 Administrative Code, Division 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, other than noncompliance authorized by a variance, 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 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 Chapter 335-13-4 or the methods as specified in the Application 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 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 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

The Permittee may not commence disposal of waste in any new cell or phase until the Permittee has submitted to the Department, 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.

The Department must inspect the constructed cells or phases before the owner or operator can commence waste disposal unless the Permittee is notified that the Department 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 the Department 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 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 Administrative Code, Division 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, Paragraph I. The operating record shall include:
  - a. Documentation of inspections and maintenance activities.
  - b. Daily Volume reports.
  - c. Personnel training documents and records.
  - d. Groundwater monitoring records if required.
  - e. Explosive gas monitoring records if required.
  - f. Copies of this Permit and the Application.
  - g. 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 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 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 submitted on a quarterly basis, and the reports should be submitted to the department 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 Division 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 Division 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 Brownlee Landfill, office the following documents and amendments, revisions and modifications to these documents until an engineer certifies closure.

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:

Mailing Address:  
Chief, Solid Waste Branch  
Alabama Department of Environmental Management  
P.O. Box 301463  
Montgomery, AL 36130-1463

Physical Address:  
Chief, Solid Waste Branch  
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 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 ADEM Administrative Code, Division 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 for 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 to waters of the State. 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 process waste at this landfill. Only those wastes shown in Section III, Paragraph B are allowed for disposal in this landfill.



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 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 area for the Brownlee Landfill is approximately 20 acres, with all approved for disposal.
3. The maximum average daily volume of waste disposed at the facility shall not exceed 285 cubic yards per day, except as provided under Rule 335-13-5-.06(2)(a)5. The average daily volume shall be computed as specified by Rule 335-13-5-.06(2)(a)5.(i).

B. Waste Streams

The Permittee may accept for disposal nonputrescible and nonhazardous construction and demolition waste and rubbish as defined by Rule 335-13-1-.03. and discarded tires.

C. Service Area

The Permittee is allowed to receive for disposal waste from the Mobile 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%) or as approved by the Department. 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. A minimum of six inches of compacted earth or other alternative cover material approved by the Department shall be added at the conclusion of each week's operation unless a variance is granted in Section VIII.

E. Security

The Permittee shall provide artificial and/or natural barriers, which prevent entry of unauthorized vehicular traffic to the facility.

F. 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.

G. Adverse Weather Disposal

The Permittee shall provide for disposal activities in adverse weather conditions.

H. Personnel

The Permittee shall maintain adequate personnel to ensure continued and smooth operation of the facility.

I. Environmental Monitoring and Treatment Structures

The Permittee shall provide protection and proper maintenance of environmental monitoring and treatment structures.

J. Vector Control

The Permittee shall provide for vector control as required by ADEM Administrative Code, Division 13.

K. 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 Rule 335-13-4-.23(1)(j) are met.

L. 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.

M. Other Requirements

The Department may enhance or reduce any requirements for operating and maintaining the landfill as deemed necessary by the Land Division.

N. Other Permits

The Permittee shall operate the landfill according to this and any other applicable permits.

O. 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.

P. 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 Rule 335-13-4-.23(1)(f).

Q. Litter Control

The Permittee shall control litter.

R. Fire Control

The Permittee shall provide fire control measures.

#### SECTION IV. GROUNDWATER MONITORING REQUIREMENTS:

Groundwater monitoring is not being required at this landfill provided that the waste stream is in accordance with Section III, Paragraph B. Should any waste be disposed other than the waste streams indicated in Section III, Paragraph B, the Department may require that groundwater-monitoring wells be installed.

#### SECTION V. GAS MONITORING REQUIREMENTS

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

#### SECTION VI. SURFACE WATER MANAGEMENT

The Permittee shall construct and maintain run-on and run-off control structures to control the discharge of pollutants to waters of the State during wet weather events. 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 Div. 13. A variance has been granted allowing a maximum final slope of 3 to 1 (33%). (See Section VIII.1.)

##### 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 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 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

1. The Permittee is granted a variance allowing maximum final slopes no greater than 3 to 1 (33%). (See Section VII.A.)
2. **The Permittee is granted a variance from rule 335-13-4-.12(2)(f) requiring a 100 foot buffer. The variance is granted for all existing waste already disposed of in the buffer zone. No further disposal shall take place within 100 feet of the permitted boundary.**

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.

# APPLICATION



# HUTCHINSON, MOORE & RAUCH, LLC

Post Office Box 1127  
Daphne, Alabama 36526

Telephone: (251) 626-2626  
Fax: (251) 626-6934

February 19, 2019

C. Blake Holden  
ADEM, Land Division-Solid Waste Branch  
1400 Coliseum Boulevard  
Montgomery, AL 36110



Re: Brownlee Landfill-Mobile County Permit Renewal.

Dear Mr. Holden,

On behalf of Brownlee Landfill, LLC, please accept this letter as a request to renew the Solid Waste Disposal Facility permit. HMR has been retained by the permittee to provide necessary information to the Department. The following information will follow shortly:

- Application Form 305
- Permit Renewal Fee of \$2,700
- Waste Screening Report
- Sediment Pond Calculations and Certification
- Adjacent Land Owner List

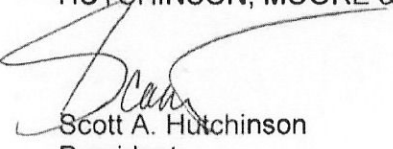
Also, we request that all previously approved variances remain in the permit.

Should you have any questions, please call me at 251-380-8744.

Sincerely,

HUTCHINSON, MOORE & RAUCH, LLC



  
Scott A. Hutchinson  
President

19.024

/jml

**SOLID WASTE DISPOSAL FACILITY  
CONSTRUCTION/DEMOLITION LANDFILL  
PERMIT APPLICATION PACKAGE**

January 16, 2018

**MEMORANDUM**

TO: Applicants Seeking a Permit for Solid Waste Facilities

FROM: Stephen A. Cobb, Chief  
Land Division  
Alabama Department of Environmental Management

RE: Processing Solid Waste Permits by ADEM

Any permit issued by ADEM must be in accordance with §22-27-48 and §22-27-48.1 Code of Alabama. This section indicates that ADEM may not consider an application for a new or modified permit unless such application has received approval by the affected unit of local government having an approved plan. ADEM, therefore, will require the following before it can process a new or modified permit application:

1. The local government having jurisdiction must approve the permit application in accordance with §22-27-48 and §22-27-48.1 Code of Alabama.
2. Local governments should follow the procedures outlined in §22-27-48 and §22-27-48.1 Code of Alabama and the siting standards included in the local approved plan in considering approval of a facility.

This procedure applies to applications for new or modified permits. ADEM cannot review an application unless it includes approval from the affected local government. This procedure shall not apply to exempted industrial landfills receiving waste generated on site only by the permittee.

Please contact the Solid Waste Branch of ADEM at (334) 274-4201 if there are any questions.

SAC/sss/abj



CONSTRUCTION AND DEMOLITION LANDFILL  
SITING AND HYDROGEOLOGICAL EVALUATION SHEET  
(SUPPLEMENT TO C/D APPLICATION)

All of the following items should be included with a construction and demolition landfill permit application:

1.     •Local Approval  
       •Fees
2.     Map showing flood prone areas.
3.     Evaluation of land use:
  - Wetlands determination by U.S.A. Corps of Engineers
  - Endangered species determination by U.S. Fish and Wildlife Service
  - Habitat
  - Archaeologically sensitive areas determined by Alabama Historical Commission.
4.     Site geology using borings, exploration pits, or hydrogeologic mapping for the purposes of determining the minimum 5-foot separation between groundwater and the cell bottom.
5.     Location of borings, pits, and sections on a map.
6.     Log of pits and borings.
7.     A map showing geology and structural features such as sink holes and faults.
8.     Engineer's stamp on plans.
9.     A Certification Letter, signed by a registered professional engineer, verifying the accuracy of the submitted permit application.

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

SECTION III:

LANDFILL OPERATOR:

Name: (1) Brownlee Landfill, LLC (2) \_\_\_\_\_  
Address: P.O. Box 21 \_\_\_\_\_  
Ponchatoula, LA 70454 \_\_\_\_\_  
Telephone: 985-634-8441 \_\_\_\_\_

SECTION IV:

CONTACT PERSON(S):

Name: (1) Wyatt Crawford (2) \_\_\_\_\_  
Address: P.O. Box 21 \_\_\_\_\_  
Ponchatoula, LA 70454 \_\_\_\_\_  
Telephone: 985-634-8441 \_\_\_\_\_

SECTION V:

LANDOWNER(S):

Name: (1) Brownlee Landfill, LLC (2) \_\_\_\_\_  
Address: P.O. Box 21 \_\_\_\_\_  
Ponchatoula, LA 70454 \_\_\_\_\_  
Telephone: 985-634-8441 \_\_\_\_\_

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:	<u>No</u>	Required (Yes or No)
	<u>N/A</u>	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:

Construction and demolition debris, undercut dirt from jobs

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

Mobile County, City of Prichard

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

\_\_\_\_\_ tons per day 285 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: Mobile

Part: SW1/4 of Section(s): 15

Township(s): 3S Range(s): 2W

- 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: 20 acres

e. Size of disposal area: 20 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: X 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: X 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: X 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: X 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: X 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: X 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: X YES: \_\_\_\_\_
- c. Will any part of the landfill, including buffer zone, be located in wetlands, beaches, dunes?  
NO: X YES: \_\_\_\_\_

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

NO: X 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: X

Groundwater Elevations:

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

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 CITY OF PRICHARD (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):

Wyatt Crawford TITLE: Managing Member/Owner  
DATE: 4/8/2019  
(please print or type name)

SIGNATURE (Certifying Engineer):

Robert A. Cummings TITLE: Project Manager  
DATE: 4/8/2019  
(please print or type name)

FIRM: Hutchinson, Moore & Rauch, LLC STAMP OR SEAL:

BROWNLEE LANDFILL PERMIT RENEWAL  
ADJACENT PROPERTY OWNERS LIST

---

R022305150000001.001  
TSWS Environmental Properties, LLC  
1905 W. Thomas Street, Suite D-364  
Hammond, LA 70401

R022305150000043.004  
Conine, Garold G. Jr. & Robin L.  
207 ½ 7<sup>th</sup> Street  
Chickasaw, AL 36611

R022305150000021.  
TSWS Environmental Properties, LLC  
1905 W. Thomas Street, Suite D-364  
Hammond, LA 70401

R022305150000020.  
Palughi, Francis K.  
70 Etheridge Street  
Mobile, AL 36604

R022305150000027.001  
State of Alabama  
Montgomery, AL 36130

R022305150000029.  
Brownlee, Marlene & Charles  
416 Swaying Willow Avenue  
Fairhope, AL 36532

R022305150000030.  
Brownlee, Marlene & Charles  
416 Swaying Willow Avenue  
Fairhope, AL 36532

R022305150000028.  
Brownlee, Marlene & Charles  
416 Swaying Willow Avenue  
Fairhope, AL 36532

R022305150000036.001  
Mabrey, Hosey L & Judith M  
5106 Glo-Ann Road  
Eight Mile, AL 36613

R022305150000037.  
Gurley, Cora Lee  
4551 Schillinger Road N.  
Semmes, AL 36575

R022305150000039.001  
Moore, Cynthia Marie  
5210 Glo-Ann Road  
Eight Mile, AL 36613

R022305150000039.  
Russell, John C.  
1957 Halls Mill Road  
Mobile, AL 36606

R022305150000040.  
Conine, Garold G. Jr. & Robin L.  
207 ½ 7<sup>th</sup> Street  
Chickasaw, AL 36611

**HMR**ENGINEERS  
SURVEYORS  
AND  
LAND PLANNERSJOB B1575-4820SHEET NO. 1 OF       CALCULATED BY RAC DATE       CHECKED BY        DATE       SCALE       

The sediment pond for the Brownlee Landfill has always been intended to serve the 25-yr storm.

In the post-construction condition, after closure of the landfill, more area will drain east than drained east before the landfill ever existed.

To that end, and as part of the permit renewal, let us verify that the designed pond is of sufficient capacity:

Elev - 144 ft     $A = 9602.0794 \text{ ft}^2$     TOB  
Elev - 136 ft     $A = 1278.5398 \text{ ft}^2$     Toe of pond slope

$$\frac{(9602.0794 + 1278.5398)}{2} (144' - 136') = 43,522.4768 \text{ ft}^3$$

From Page 2 we see that the needed volume is  $39,159 \text{ ft}^3$

$\therefore$  Since  $43,522.48 \text{ ft}^3 > 39,159 \text{ ft}^3$ , the pond is of sufficient size  $\square \checkmark$



4/4/2019



Brownlee Landfill, LLC  
ADEM Permit Renewal  
Prepared By: Cummings

3/

**DRAINAGE CALCULATIONS (25 yr. design storm with 25 yr. release rate)**

**PRE-DEVELOPED SITE CONDITIONS (25 YEAR STORM)**

	S.F.	Acres	C Factor
Buildings/Pond	0	0.00	1.00
Woods	0	0.00	0.18
Dirt Area	0	0.00	0.20
Grassed/Cultiv.	57,168	1.31	0.25
Gravel Area	0	0.00	0.60
<u>Paved Area</u>	<u>0</u>	<u>0.00</u>	<u>0.90</u>
Total Area	57,168	1.31	
Weighted C			0.25

Time of conc. 5 (from nomograph)  
Intensity 9.1 (from 25 Year IDF Table)

Pre-Development Peak Flow:  $Q = ciA$

Allowable Release Rate= 2.99 (25 Year Storm)

**POST DEVELOPED SITE CONDITIONS (25 YEAR STORM)**

	S.F.	Acres	C Factor
Buildings/Pond	0	0.00	1.00
Woods	0	0.00	0.18
Grassed Area	602,460	13.83	0.25
Gravel Area	0	0.00	0.60
<u>Paved Area</u>	<u>0</u>	<u>0.00</u>	<u>0.90</u>
Total Area	602,460	13.83	
Weighted C=			0.25

**REQUIRED STORAGE FOR 25 YR. STORM (CF)=**

39,159

$T_c$ (min.)	$i_{25}$ (in/hr)	$Q_{in}=ciA$	Volume= $T_c \cdot 60 \cdot Q_{in}$	$Q_{out}=Q_{pre} \cdot T_c \cdot 60$	Req'd Storage
5	9.80	33.88	10,165	896	9,270
6	9.43	32.61	11,738	1,075	10,663
7	9.11	31.50	13,230	1,254	11,976
8	8.80	30.43	14,605	1,433	13,172
9	8.52	29.46	15,908	1,612	14,296
10	8.27	28.59	17,157	1,791	15,365
11	8.01	27.70	18,279	1,971	16,309
12	7.78	26.90	19,368	2,150	17,219
13	7.56	26.14	20,389	2,329	18,060
14	7.36	25.45	21,377	2,508	18,869
15	7.17	24.79	22,312	2,687	19,625
16	6.99	24.17	23,202	2,866	20,336
17	6.82	23.58	24,053	3,045	21,007
18	6.66	23.03	24,870	3,225	21,646
19	6.52	22.54	25,700	3,404	22,296
20	6.38	22.06	26,472	3,583	22,889
21	6.25	21.61	27,229	3,762	23,467
22	6.13	21.20	27,978	3,941	24,037
23	6.01	20.78	28,677	4,120	24,557
24	5.90	20.40	29,376	4,299	25,077
25	5.79	20.02	30,030	4,479	25,551
30	5.32	18.39	33,110	5,374	27,736
35	4.93	17.05	35,797	6,270	29,527
40	4.59	15.87	38,089	7,166	30,924
***** 45	4.31	14.90	40,237	8,061	32,175
50	4.04	13.97	41,907	8,957	32,950

## **WASTE SCREENING PROCEDURES**

### Daily Waste Screening Procedure:

1. Only waste stipulated on the permit or otherwise approved by ADEM will be accepted at the facility. Any unapproved waste coming to the site for disposal will be refused. The facility operator will perform systematic inspections of every tenth load by directing the deliverer to proceed to the landfill and dump off to the side the contents which are then visually inspected to ensure that these loads do not contain free liquids, hazardous wastes, medical wastes, industrial wastes, or PCB wastes. Records of these inspections will be kept on file in the facility's Load Inspection Book. These records will include the time/date of arrival of the waste, the company/customer name of the transporter or waste generator, truck number, and the location of the cell within the landfill that the waste is put into.
2. Personnel are trained biannually to inspect waste in a safe and orderly manner and to recognize any unacceptable waste such as free liquids, regulated hazardous wastes, medical wastes, regulated PCB wastes, or unapproved industrial users. If any load is suspected to contain hazardous or regulated waste ADEM will be notified immediately.



**Goodwyn Mills Cawood**

2039 Main Street  
P.O. Box 1127  
Daphne, AL 36526

T (251) 626-2626  
F (251) 626-6934

[www.gmcnetwork.com](http://www.gmcnetwork.com)



October 22, 2019

Mr. Blake Holden  
Alabama Department of Environmental Management  
Post Office Box 301463  
Montgomery, Alabama 36103-1463

RE: Solid Waste Disposal Permit No. 49-22  
Brownlee Landfill  
Eight Mile, Alabama

Dear Mr. Holden:

By instrument of this letter please consider this letter the formal request for a retroactive variance of the 100 foot buffer requirement. Whereas Brownlee Landfill was in operation before the creation of the 100 foot buffer requirement and whereas it has been in continuous operation since that time it is impossible at this point to initiate a 100 foot buffer. Luckily the slopes within 100 ft of the property line are, for the area of the landfill south of the pipeline, to their final grades.

If you need any additional information or have any questions, please contact me at 251.380.8748

Sincerely,

GOODWYN, MILLS & CAWOOD, INC.

Robert Cummings, P.E.