

STATE OF MISSISSIPPI SOLID WASTE MANAGEMENT PERMIT

TO OPERATE A SOLID WASTE MANAGEMENT FACILITY IN
ACCORDANCE WITH THE REGULATIONS GOVERNING
SOLID WASTE MANAGEMENT

THIS CERTIFIES THAT

Pine Belt Regional Solid Waste Management Authority
has been granted permission to operate a solid waste management facility

located at

Sections 8 & 9, Township 5 North, Range 11 West
Mississippi State Highway 29
Runnelstown, Mississippi
Perry County

under the name of
Pine Belt Regional Landfill

This permit is issued in accordance with the provisions of the Mississippi Code Annotated, and the regulations and guidelines adopted and promulgated thereunder.

MISSISSIPPI ENVIRONMENTAL QUALITY PERMIT BOARD

AUTHORIZED SIGNATURE

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

Issued: APR 14 2015
Expires: MAR 31 2025

Permit No. SW0560010436

CONDITIONS

A. EFFECT OF PERMIT

The permittee shall operate the solid waste management facility in accordance with the Mississippi Nonhazardous Waste Management Regulations (state regulations), applicable federal regulations, and conditions of this permit.

B. PERMIT ACTIONS

This permit may be modified, revoked and reissued, or terminated for noncompliance with the terms and conditions of the permit. The filing of a request for a permit modification, revocation and reissuance, or termination or the notification of planned changes or anticipated noncompliance on the part of the permittee does not stay the applicability or enforceability of any permit condition.

C. SEVERABILITY

The provisions of the 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. DUTIES AND REQUIREMENTS

1. **Duty to Comply.** The permittee shall comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the solid waste law and regulations promulgated thereunder and is grounds for enforcement action, permit termination, revocation and reissuance, modification, or for denial of a permit renewal application.
2. **Duty to Reapply.** If the permittee wishes to continue an activity allowed by this permit after the expiration date of this permit, the permittee must submit a complete application for a new permit at least 180 days before this permit expires.
3. **Duty to Mitigate.** The permittee shall take all reasonable steps to minimize, prevent, or correct any adverse impact on human health or the environment resulting from noncompliance with this permit.
4. **Proper Operation and Maintenance.** The permittee shall at all times properly operate and maintain all equipment and systems which are installed or used by the permittee to achieve compliance with the conditions of this permit and application as submitted and approved by the Department of Environmental Quality (Department).

5. **Duty to Provide Information.** The permittee shall furnish to the Department, within a reasonable time, any relevant information which the Department may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit.
6. **Inspection and Entry.** The permittee shall allow an authorized representative of the Department upon the presentation of credentials and other documents as may be required by law to:
 - a. Enter on the permittee's premises where a regulated 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, practices, or operations regulated or required under this permit;
 - d. Sample or monitor at reasonable times for the purposes of assuring permit compliance.
7. **Transfer of Permits.** This permit is not transferable to any person except after notice to and approval of the Mississippi Environmental Quality Permit Board. The Permit Board may require modification or revocation and reissuance of the permit to change the name of the permittee and incorporate such other requirements as may be necessary.
8. **Signature Requirements.** An application for the re-issuance, modification or transfer of this solid waste management permit and all permits required by this permit or other information requested by the Permit Board shall be signed as follows:
 - a. For a corporation: a president, vice-president, secretary, or treasurer of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation;
 - b. For a partnership or sole proprietorship: a general partner or the proprietor, respectively;
 - c. For a municipality, county, state, federal, or other public agency: either a principal executive officer or ranking elected official;
 - d. The signature of a Duly Authorized Representative (DAR) shall be a valid signature under the state regulations, in lieu of the signatures described

previously provided the following conditions are met:

- (i) The DAR is an employee of the entity holding the solid waste management permit.
- (ii) The DAR is identified to the Department by the ranking officer of the corporation, partnership, proprietorship, municipality, county, state, federal or other public agency.
- (iii) The DAR is responsible for the overall management of the solid waste facility.

E. CONSTRUCTION AND OPERATING REQUIREMENTS

1. Construction of landfill components shall be conducted by qualified and experienced personnel. The Department shall be notified of an approximate construction schedule at least one week prior to liner and final cover construction activities.
2. Construction of any landfill cells shall be in accordance with the following, unless an alternate method is approved by the Department:
 - a. The insitu subbase shall be inspected for cracks, large stones, other protrusions, and for soil material which would not be suitable buffer material. Unsuitable materials shall be removed and replaced with suitable buffer material having permeability equal to or less than 1×10^{-6} cm/sec. The surface shall be compact, smooth, uniform, and free of desiccation cracks.
 - b. Prior to placement of the soil liner, the surface of the prepared subbase shall be scarified for proper bonding with the liner. The liner shall be placed in 6-inch nominal lifts. Each lift shall be evenly compacted to the density and moisture content required. Placement of the liner on the side slopes shall be in lifts along the slope, not in horizontal lifts. Between lifts, the surface shall be scarified for proper bonding.
 - c. In construction/preparation of the buffer subbase and the soil liner, the surface shall not be allowed to dry out and crack before placement of the next layer. If desiccation cracks do form, the surface shall be rewetted, rehomogenized, and recompact to the depth of the cracks before placement of the succeeding layer.
 - d. Field density, moisture content, and permeability tests shall be conducted in accordance with the approved plan. Test holes in the soil liner shall be sealed with bentonite, or another method approved by the Department.
3. Prior to placement of the geomembrane, the soil liner shall be smooth, uniform, and free from protrusions or cracks. During and after

installation, the geomembrane shall be protected from damage (e.g., heavy equipment, tearing, puncturing, exposure to the sun, etc.). Field seams shall be oriented vertically along the side slopes (i.e., top to bottom of side slope). No later than six months after liner installation, the protective layer shall be placed over the geomembrane, and properly maintained until waste is placed over the area. All borings drilled on the site in preparation of cell construction, which will not be converted to monitoring or supply wells, shall be properly sealed.

4. Construction, operation, closure and post-closure activities of the facility shall be conducted in accordance with the approved plans, as submitted to the Department.
5. At least two weeks prior to the placement of solid waste in a newly constructed cell or subcell within the permitted area, a construction quality assurance report shall be submitted to the Department which contains a certification from an independent professional engineer, registered with the State of Mississippi, indicating that the area has been constructed according to the approved design plans and state regulations. The report shall also include field logs, results of testing, subgrade survey, top of liner survey, and construction testing methods.
6. A copy of the executed contract between the Pine Belt Regional Solid Waste Management Authority (Authority) and the contract operator shall be submitted to and approved by the Department prior to any new contract or change in the existing contract concerning operational control of the landfill before execution of the new or modified contract.
7. Prior to the operation of the facility by any private entity, a complete disclosure form for the entity shall be submitted to and approved by the Permit Board as set forth in Section 17-17-501 et seq., Mississippi Code, Annotated and all regulations promulgated pursuant thereto.
8. Financial assurance shall be maintained for closure and post-closure costs, as required by State law and regulations.
9. Operation of the facility shall be conducted in accordance with all applicable requirements of the US Army Corps of Engineers and the US Fish and Wildlife Service.
10. Fencing as required by the United State Department of the Interior Fish and Wildlife Service, Permit PRT804406, shall be re-constructed to prevent gopher tortoisies from entering the landfill site. The fencing shall be inspected monthly and properly maintained throughout the active life of the facility.
11. Security must be maintained at the facility to prohibit unauthorized access and disposal. Access to the site shall be secured or locked when the site is closed and when no attendant is on site.
12. All applicable federal requirements regarding training of personnel at the facility shall be demonstrated to the satisfaction of the Department.

13. The disposal of solid waste shall be restricted to the approved permitted area for Cells 1 through 9 (Phases I and II), consisting of approximately 106.63 acres and shall be within the approved elevations including a final elevation of 342 ft above mean sea level.
14. Asbestos containing material shall not be accepted for disposal, unless an operating plan and demonstration of compliance with EPA NESHAP regulations 40 CFR 61.153 and 61.154 is submitted to and approved by the Department.
15. Infectious medical wastes, as defined by the Mississippi Department of Health, generated by established medical facilities, shall be prohibited from disposal unless such wastes have been satisfactorily rendered non-infectious and placed in appropriate packaging.
16. The service area of the facility shall be consistent with the service area listed in the approved Pine Belt Regional Solid Waste Management Plan. Solid waste generated by areas not within the approved service area shall be prohibited from disposal, unless specifically approved by the Commission on Environmental Quality.
17. Prior to receiving wastes from out of state, the permittee shall forward to the Department a demonstration that the jurisdiction generating the waste is actively involved in, and has a strategy for meeting, the statewide waste minimization goal. Waste from the jurisdiction shall not be accepted if the Department determines the demonstration to be inadequate. Updated demonstrations may be required, on a periodic basis, as required by the Department.
18. In areas of the facility where the disposal area is less than 500 feet to the facility property boundary, including any easement, adequate screening, whether natural or artificial, shall be maintained to restrict the offsite view of the facility.
19. Vehicles entering the facility shall be operated and maintained to prevent the loss of liquids or solid waste material. Vehicles failing to meet this requirement, after one warning to the owner or driver, shall be refused acceptance at the site.
20. The permittee shall implement the program described in the approved Operating Plan to detect and prevent disposal of regulated hazardous waste, PCB waste, liquid waste, improperly contained asbestos-containing material, and all other unauthorized special wastes. The permittee shall maintain a record of all inspections performed.
21. The permittee shall immediately notify the Department if a regulated hazardous waste or PCB waste is discovered at the facility.
22. All solid waste shall be covered each day before the close of operations, or more frequently, to control disease vectors, fires, odors, blowing litter, and scavenging. Cover shall consist of at least six inches of earthen material or an alternate approved method of cover. An alternate method of cover

may be used if a specific description and plan of operation is submitted to the Department, and written approval is obtained.

23. Litter and scattered debris at the facility, including property access roads, shall be collected every operating day and returned to the active disposal area.
24. Modification of this permit shall be required prior to a vertical or horizontal expansion of the facility or a significant change in the method of waste management.
25. The permittee shall conduct daily inspections of the landfill for leachate outbreaks from the disposal area. Any evidence of outbreak shall be immediately repaired. The permittee shall immediately report any incident of leachate leaving the permitted disposal boundary to the Department.
26. Burning or smoldering wastes accepted at the site shall be extinguished in an area separate from the active disposal area and shall not be unloaded into the active area until all smoldering debris has been adequately extinguished. Such wastes, however, shall not be left uncovered at the close of operations for that day.
27. Should an accidental fire occur, the operator shall immediately take action to extinguish the fire and shall notify the Department within 24 hours.
28. The landfill and each landfill cell shall be constructed, operated, and maintained with berms, ditches, or other means such that uncontaminated surface water is directed around and away from the landfill area. Uncontaminated surface water shall be diverted to onsite sedimentation basins.
29. The sedimentation basins shall be designed, constructed and maintained to collect and control at a minimum the water volume resulting from a 25-year 24-hour storm event. Periodic dredging shall be conducted to maintain proper elevations.
30. Surface water which comes into contact with solid waste and storm water which flows over the open disposal area shall be collected and disposed as leachate and shall be prevented from leaving the disposal area.
31. Leachate collection systems shall be cleaned, maintained, and pumped on a regular basis to ensure proper management of the leachate collection system.
32. The depth of leachate over the liner system shall not exceed 30 cm (11.81 inches), excluding trenches and sumps associated with the collection system.
 - a. Measurements of leachate head shall be made daily including days the facility is not open for business.

- b. Installation of an electronic leachate pumping system shall constitute daily measurement pursuant to the following conditions:
 - (i) The permittee shall provide system records which indicate daily measurements and quantities pumped.
 - (ii) The permittee shall provide cleaning and maintenance records.
 - (iii) The permittee shall provide records of any analysis and the method of disposal.
 - c. The permittee shall notify the Department immediately should the electronic pumping system fail or system records indicate a head of 30 cm (11.81 inches) or greater on the liner. The permittee shall immediately implement an alternate, manual pumping system upon failure of the electronic pumping system.
- 33. Leachate and gas condensate shall not be recirculated nor disposed at the facility, unless a plan of operation is submitted to and approved by the Department.
 - 34. Filled areas of the landfill, which have remaining capacity and will not receive waste within 30 days, shall receive an intermediate cover of twelve inches of earthen cover. An alternate cover system may be approved by the Department.
 - 35. Final cover shall be placed on completed areas of the landfill in accordance with state regulations and the approved plans.
 - 36. The condition of intermediate and final earthen cover shall be inspected at least monthly by landfill personnel during the operation of the facility. Erosion, cracks, ponding, and other similar problems shall be promptly repaired.
 - 37. Upon completion of disposal activities within any of cells 1 through 9, a survey shall be completed, by a professional land surveyor registered with the State of Mississippi, which indicates the final contours and the boundaries of waste disposal and shall be submitted to the Department.
 - 38. Closure and post-closure care of the landfill shall be carried out in accordance with the approved plans. Any significant changes to the approved closure or post-closure plan must be submitted to the Department for approval before being implemented.

F. MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS

- 1. Groundwater monitoring shall be conducted at the facility in accordance with state regulations. Monitoring shall be conducted and reported semi-annually, unless otherwise directed by the Department, according to the following schedule:

- a. January - June: Due: August 31
- b. July - December: Due: March 1 of the following year
2. Groundwater samples may be obtained at any time during the monitoring period but shall be at least four months apart.
3. The following reports and records shall be retained in the operating record and a copy shall be submitted to the Department according to the schedule established in Condition F.1:
 - a. The dates, exact location, and time of sampling;
 - b. The individual who performed the sampling;
 - c. Results of groundwater level measurements and a map indicating direction of flow;
 - d. The date(s) laboratory analyses were performed;
 - e. The individual(s) who performed the analyses;
 - f. The analytical techniques or methods used;
 - g. The results of such analyses, provided by the laboratory;
 - h. The results of such analyses, prepared on a form provided or approved by the Department;
 - i. The statistical comparison of analyses
 - j. A determination of statistically significant increases; and
 - k. Chain of custody forms.
4. Groundwater assessment monitoring and corrective action, if necessary, shall be conducted at the facility in accordance with state regulations.
5. Methane monitoring and corrective action, if necessary, shall be conducted at the facility in accordance with state regulations and the approved operating plan.
6. Methane monitoring shall be conducted quarterly and reported semi-annually, unless otherwise directed by the Department, according to the following schedule:
 - a. January – March: Due: August 31
 - b. April – June: Due: August 31
 - c. July – September: Due: March 1 of the following year
 - d. October – December: Due: March 1 of the following year
7. Methane measurements may be obtained at any time during the monitoring period but each monitoring event shall be at least 45 days apart.

8. The following reports and records shall be retained in the operating record and a copy shall be submitted to the Department according to the schedule established in Condition F.6.
 - a. The date(s), exact location(s), and time(s) of measurements;
 - b. The individual(s) who performed the measurements; and
 - c. The results of methane level measurements in the following locations:
 - (i) methane monitoring wells
 - (ii) facility structures
 - (iii) other enclosed spaces
 - d. Results shall be reported on a form provided or approved by the Department.
9. An annual report shall be submitted to the Department each year no later than February 28 to include the following information regarding the preceding calendar year:
 - a. Aggregate information on the types, amounts (in tons) and sources of wastes received during the calendar year.
 - (i) Listed waste types should be divided into residential and non-residential.
 - (ii) Sources of wastes should have cities, counties and/or parishes listed individually.
 - b. A contour drawing of the landfill showing areas filled during the report year and total areas filled;
 - c. Estimated remaining capacity, in terms of volume and life remaining;
 - d. If the operator is a private concern, an updated disclosure statement. If all information from the previously submitted disclosure statement is unchanged, a letter stating such may be included in lieu of an updated disclosure statement;
 - e. An adjusted closure and post-closure cost estimate;
 - f. An audit of the financial assurance document and the end-of-year value of the financial assurance mechanism;
 - g. A modified financial assurance document, if necessary;
 - h. A signed statement from the landfill site manager certifying that all liner flumes were properly removed from appropriate areas during the report year. The certification should also list the number of flumes and dates of removal.

- i. Documentation and demonstration that the facility personnel have been properly trained to recognize regulated hazardous waste and PCB waste.
- j. Documentation of compliance with operator certification requirements in accordance with state regulations.
- k. Any other information required by the Department