

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
Weyerhaeuser NR Company

has been granted permission to operate a solid waste management facility

located at

Section 7, Township 12 South, Range 1 West, and
Section 12, Township 12 South, Range 2 West,

Calhoun County

under the name of

Weyerhaeuser NR Company Industrial Landfill – Bruce

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: AUG 21 2015
Expires: JUL 31 2025

Permit No. SW0130040434

CONDITIONS

A. EFFECT OF PERMIT

The permittee shall operate the solid waste disposal facility in accordance with the Mississippi Nonhazardous Waste Management Regulations, the permit application as approved, and the 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 this permit. The filing of a request for modification, revocation and reissuance, or termination of this permit, or the notification of planned changes or anticipated noncompliance on the part of the permittee does not stay the applicability of any condition of this permit.

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. 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 are grounds for enforcement action, termination, revocation, and reissuance, modification of this permit 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 the permit expires.
3. Duty to Mitigate. The Permittee shall take all reasonable steps to minimize or correct any adverse impact to 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 the application as submitted and approved.
5. Duty to Provide Information. The permittee shall furnish to the Department of Environmental Quality (Department), within a reasonable

time, any relevant information which it 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 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; and
 - d. Sample or monitor at reasonable times for the purposes of assuring permit compliance with this permit.
7. Anticipated Noncompliance. The permittee shall give thirty (30) days notice to the Department of any planned changes in the permitted facility or activity which may result in noncompliance with the requirements of this permit and the applicable state regulations.
8. Transfer of Permits. This permit may not be transferred to a new owner or operator except upon approval of the Environmental Quality Permit Board or the Permit Board's designee.

E. SITE SPECIFIC CONDITIONS

1. Authorized Wastes
 - a. Disposal activity shall be limited to the area designated in the approved application. Adequate security and monitoring shall be established and maintained at the site to prevent unauthorized access and disposal. An attendant shall be on duty at any time access to the site is unsecured.
 - b. Disposal of liquid waste, garbage, hazardous wastes, whole tires, asbestos (both friable and non-friable), and other non-approved waste material shall be prohibited at the site, unless otherwise approved by the Department. Incoming waste loads from Weyerhaeuser sites or facilities, containing significant amounts of unauthorized wastes shall not be allowed access for disposal at the site. Loads with incidental amounts of unauthorized wastes shall not be allowed access for disposal at the site. Loads with incidental amounts of unauthorized wastes may be allowed access for disposal only after the unauthorized materials are

removed from the load. Unauthorized waste discovered to have been inadvertently or accidentally dumped at the site after an incoming load has been dumped shall be immediately removed from the site and properly disposed of at an authorized disposal facility or placed in a receptacle for later transfer to an authorized disposal facility.

2. Operating Conditions

- a. The liner restoration activity, as described in the approved application, shall be conducted to ensure that a suitable five (5) foot liner of low permeable earthen material will be present prior to the disposal of waste.
- b. A periodic cover shall be applied at least every two weeks for rubbish wastes. This cover may consist of earthen material or composted wood/dirt material as per the approved application. The cover frequency may be changed or otherwise modified by the Department depending upon the quantity and characteristics of wastes received and other conditions of the site. All ash must be covered with earthen material at the end of the calendar week of waste acceptance. A written record of each waste load shall be maintained. The record shall include the date of ash disposal and the date of application of periodic earthen cover. All records required by the Permit Board shall be maintained at the facility.
- c. Windblown and scattered litter and debris shall be collected from around the disposal area as necessary and returned to the active working area for proper disposal.
- d. Open burning of any solid waste is expressly forbidden. Should an accidental fire occur, the permittee should promptly notify the Department and shall take immediate action to extinguish the fire.
- e. If determined necessary, the Department may require that the permittee install appropriate groundwater and/or methane monitoring systems at the site and that the permittee conduct monitoring activities in accordance with State regulations.
- f. No disposal of waste shall be allowed to occur in standing water or in any other waters of the state. In addition, operation of this facility shall be conducted in accordance with all applicable requirements of the U.S. Army Corps of Engineers.
- g. The site shall be developed and contoured to direct storm water runoff away from the active disposal area, to prevent ponding of water on-site, and to prevent the discharge of pollutants into waters of the State (including wetlands) that may violate requirements of the Federal

Clean Water Act and/or the Mississippi Air and Water Pollution Control Act, including, but not limited to, the NPDES requirements.

- h. Surface water contaminated by contact with solid waste shall not be allowed to discharge into waters of the State, unless appropriate authorization is obtained for such discharge.
- i. At least sixty (60) days prior to cessation of operations of existing disposal area, the permittee shall submit a closure/post-closure plan for the landfill to the Department for approval, demonstrating compliance with the applicable portions of Rule 1.4.E of 11 Miss. Admin Code Pt. 4, Ch. 1 (Nonhazardous Waste Management Regulations) regarding the closure of the subject facility.
- j. Construction, operation, closure, and post-closure activities of the facility shall be conducted in accordance with the approved plans, as submitted to the Department.
- k. At least two weeks prior to placement of waste material in any newly constructed waste disposal unit, a quality assurance/quality control (QA/QC) report on all construction activities which demonstrates the compliance with the state regulations and the approved design plans shall be submitted to the Department. The QA/QC report shall contain certification from an independent, registered professional engineer that the area has been constructed according to approved design plans and all applicable sections of the state regulations. The report shall include, at a minimum, field logs, results of testing, subgrade survey, top of liner survey and construction testing methods.
- l. Any changes to the approved QA/QC for liner installation (e.g., installation procedures, testing frequencies, testing methods, etc.) shall be submitted to the Department for approval.
- m. Construction, operation, closure, and post-closure activities of the waste disposal units shall be conducted in accordance with the Mississippi Nonhazardous Solid Waste Management Regulations and the approved plans as submitted to the Department.
- n. All-weather access and transport roads shall be constructed and maintained at the site to maintain operations during inclement weather conditions.
- j. The owner of a solid waste landfill shall submit an annual report to the Department each year on or before February 28th, to include information describing the operations from the preceding calendar year. At a minimum, the report shall contain the following:

1. aggregate information on the types, amounts and sources of waste received during the calendar year. Listed types should be divided minimally into residential and non-residential wastes. The amounts of waste received should be reported in units of tons, with the amount of waste originating in-state and out-of-state listed separately. The sources of waste should list cities and/or counties individually, with a clear indication of wastes originating from out-of-state.
 2. a contour drawing of the landfill showing areas filled during the report year and total cumulative areas filled.
 3. the estimated remaining capacity, in terms of volume and years of life remaining.
 4. an adjusted closure and post-closure cost estimate, if applicable.
 5. an audit of the financial assurance document and the end-of-year value of the financial assurance mechanism, if applicable.
 6. a modified financial assurance document, if necessary.
3. Closure/Post-Closure Requirements
- a. Filled areas of the landfill, which will not receive additional waste or final cover within one year, shall receive an intermediate cover of twelve inches of earthen cover. Following placement, a minimum of twelve inches of the cover shall be maintained until additional waste is placed on the area or until final cover is applied. An alternate cover system may be approved by the Department.
 - b. Any significant changes to the approved closure or post-closure plan must be submitted to the Department for approval prior to implementation.
 - c. A closure/post-closure plan for the landfill shall be submitted to the Department for approval at least 120 days prior to initiation of final closure of the landfill. Due to the potential for material recovery after each unit has reached capacity, alternate final closure conditions may be approved by the Department to allow for ash mining and recovery operations.
 - d. Closure of the landfill shall be implemented and completed in accordance with the approved closure plan. In addition to that which has been previously approved, the permitted shall provide:

- i. A proposed schedule of closure activities;
 - ii. A proposed post-closure monitoring plan;
 - iii. Third Party QA/QC closure documents; and
 - iv. A proposed schedule for a post-closure monitoring period .
- c. The approved final cover system shall be placed on completed areas of the landfill in accordance with State regulations and the approved application, specifications, and designs.
 - d. Upon completion of final closure, an updated surveyed drawing of the landfill shall be submitted to the Department depicting final contours, elevations and boundaries of the landfill.
 - e. The condition of the final cover system shall be inspected and documented at least monthly by permittee personnel during the post-closure monitoring period of the landfill. Erosion, cracks, ponding, leachate outbreaks and similar problems shall be promptly repaired.
 - f. Compliance with the final closure requirements for the facility shall be certified by an independent Professional Engineer registered in the State of Mississippi.
 - g. Any reduction in frequency or number of monitoring events, monitoring parameters, site inspections or other components of the approved closure or post-closure plan must be submitted to the Department for approval before being implemented.

4. Other Permit Conditions

The permittee shall plug and abandon all soil borings, groundwater monitoring wells, and piezometers utilized in the course of the hydrogeologic investigation or other investigations located within the actual disposal area prior to cell construction and disposal. Plugging and abandonment shall be conducted in compliance with the specifications of the rules and regulations of the Mississippi Office of Land and Water Resources.