

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
PHILLIPS BARK PROCESSING COMPANY, INC.**

has been granted permission to operate a solid waste management facility

located at

Section 21, Township 7 North, Range 8 East

Lincoln County, Mississippi

under the name of

Phillips Bark Processing Company, Inc.

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

Permit No. SW0430050465

Issued: **OCT 28 2008**

Expires: **SEP 30 2018**

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, the application and plan of operation 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 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. 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 or the Mississippi Nonhazardous Waste Management Regulations.
8. 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.

9. 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. SITE SPECIFIC OPERATING CONDITIONS

1. Authorized Waste. The permittee is authorized to accept and process the following types of waste:
 - Pine chips (untreated/uncontaminated)

- Hardwood chips (untreated/uncontaminated)
- Pine bark (untreated/uncontaminated)
- Hardwood bark (untreated/uncontaminated);
- Hardwood sawdust (untreated);
- Wood ash, generated by Georgia Pacific, Leaf River;
- Poultry litter, not to accept poultry litter exceeding 29% moisture content;
- Pit Sand, generated by Oddee Smith & Sons Gravel;

No other waste material may be mixed or added with these wastes and processed unless written consent is obtained from the Department.

2. Facility Location. The waste processing operation shall be conducted on 6 acres at the facility in Section 21, Township 7 North, Range 8 East, Lincoln County, as indicated in the approved permit application. Waste storage, processing, and final product storage, shall be conducted on approximately 6 acres within an approximate 23.72 acres total property.
3. Operating Conditions. The permittee shall operate the facility in accordance with the following conditions:
 - a. Adequate security and monitoring shall be maintained to prevent unauthorized access to the facility.
 - b. All waste transportation vehicles entering and exiting the processing facility shall be adequately secured to prevent waste spillage from the vehicles.
 - c. Waste transportation records shall be maintained at the facility certifying the following information for each load of waste material received:
 - i. The name and address of the generating facility and any other pertinent information regarding the generator's operations.
 - ii. the quantity of wastes transported.
 - iii. the dates of waste collection and deposit at the permitted facility.
 - d. The permittee shall promptly clean and/or remediate all areas where solid wastes are spilled during transference of waste from vehicles to storage area.

- e. All working surfaces of processing equipment that come into contact with poultry wastes shall be adequately cleaned to maintain sanitary conditions at the site and to minimize potential contamination of other finished products.
- f. Any liquids accumulated at the facility, including leachates, washwater or contaminated storm water shall be controlled, collected and properly managed according to Certificate of Coverage No. MSR000352 under the State Wide Baseline Storm Water General Permit.
- g. The method of waste processing shall not be significantly modified or altered nor shall the processing capacity at the facility be significantly increased unless written consent is obtained from the Department prior to such modifications.
- h. The facility shall be operated in such a manner as to prevent the migration of objectionable odors off site.
- i. The facility shall not accumulate and/or accept solid waste in quantities that cannot be processed within ninety-six (96) hours of waste receiving or in quantities that result in the creation of objectionable odors, fly-breeding, or harborage of other vectors.
- j. Open burning of solid waste shall be strictly prohibited. Should an accidental or spontaneous fire occur, immediate action shall be taken to contain and extinguish the fire. The Department shall be notified within 24 hours of the fire. A written report must be submitted to MDEQ regarding the incident, including probable cause, methods to extinguish, and procedures to prevent future occurrence within five (5) working days.
- k. Inadvertent litter at the facility shall be collected on a regular basis and disposed at an appropriately permitted disposal facility or within a separate waste container to be serviced by an authorized waste management company.
- l. Unauthorized wastes shall be immediately removed from the site and disposed at an appropriately permitted disposal facility or within a separate waste container to be serviced by an authorized waste management company.

- m. The permittee shall operate the facility in a manner that complies with all applicable local laws, ordinances and/or regulations.
 - n. The permittee shall maintain a mixture ratio of 80% wood waste to 20% poultry litter on all finished products material consisting of poultry litter that is to be sold or distributed in container or bulk.
 - o. The permittee shall maintain a mixture ratio of 15% pit sand to 85% woodwaste on all finished products material consisting of pit sand that is to be sold or distributed in container or bulk.
 - p. All finished product material consisting of poultry litter must meet the requirements stipulated in paragraph E.4.d of this permit. If the finished product does not meet all the requirements stipulated herein, the material shall either be disposed of in a manner approved by the Department or be reprocessed to meet said requirements.
 - q. The distribution and/or sale of finished products generated by the permittee must meet all the requirements and regulations stipulated by the Mississippi Department of Agriculture and Commerce (MDAC). The permittee shall provide to the Department a copy of any and all permits, certifications, or other documents of authorization from MDAC.
4. Monitoring, Records and Reporting. Unless otherwise directed by the Department, the permittee shall conduct sampling, monitoring, and reporting events, in accordance with the following conditions:
- a. Samples taken for the purpose of monitoring shall be representative of the dried by-product that is to be sold or distributed in container or bulk.
 - b. The permittee shall retain records of all monitoring information, including copies of all reports and records by this permit, for the operating life of the facility.
 - c. Records or monitoring information shall include:
 - i. The dates, exact place, and time of sampling or measurements
 - ii. The individuals who performed the sampling or measurements
 - iii. The date(s) analyses were performed

- iv. The individual(s) who performed the analyses
 - v. The analytical techniques or methods used
 - vi. The result(s) of such analyses
- d. The finished products consisting of poultry litter to be sold or distributed in container or bulk must meet the following requirements:

- i. The concentration of each pollutant in the finished product shall not exceed the following limits in milligrams per kilogram;

<u>Pollutants</u>	<u>Concentration on Dry-Weight Basis (mg/kg)</u>
Arsenic	41
Cadmium	39
Chromium	1200
Copper	1500
Lead	300
Mercury	17
Molybdenum	18
Nickel	420
Selenium	36
Zinc	2800

- ii. For finished product material consisting of poultry litter, the density of fecal coliform shall be less than 1000 most probable number (MPN) per gram of total solids (on dry weight basis) before the product can be containerized or prepared for distribution.
- e. A label shall be affixed to each container consisting of poultry litter in which the processed product is sold or distributed, containing the name and address of the company who prepared the product and any other information required by federal and/or state regulations.
- f. Unless otherwise approved by the Department, a composite sample of those finished product materials consisting of poultry litter shall be analyzed once per calendar year. At a minimum, the following test shall be conducted:

<u>Parameter</u>	<u>Expressed Units</u>
Moisture	%
Total Nitrogen (as N)	% dry weight
Ammonia Nitrogen (as N)	% dry weight
Nitrate Nitrogen	% dry weight
Total Phosphorous	% dry weight

Total Potassium	% dry weight
pH	Standard Units
Fecal Coliform	MPN/g
Total Arsenic	mg/kg
Total Cadmium	mg/kg
Total Chromium	mg/kg
Total Copper	mg/kg
Total Lead	mg/kg
Total Mercury	mg/kg
Total Molybdenum	mg/kg
Total Nickel	mg/kg
Total Selenium	mg/kg
Total Zinc	mg/kg

- g. The permittee shall submit an annual report to the Department no later than the 28th of February following each calendar year. The annual report shall include the following information related to the operations of the preceding calendar year:
 - i. The analytical results required pursuant to paragraph E.4.f of this permit.
 - ii. The quantity of untreated/uncontaminated wood waste and raw poultry litter (in tons) received and processed at the facility during the calendar year.
 - iii. The quantity of processed product (in tons) which did not meet the standard for distribution as described in Section E.4.d of this permit; the resulting quantity which was disposed of and the method of such disposal; and/or the resulting quantity which was reprocessed to meet the aforementioned standards for distribution.
- h. The permittee shall report to the Environmental Compliance and Enforcement Division within seventy-two (72) hours the results of any sampling event resulting in a limit exceedance and provide a narrative describing the final destination of the unauthorized waste.
- i. The permittee shall maintain all required permits, certifications or authorizations as required by Mississippi Department of Agriculture and Commerce.
- j. The Department reserves the right to require additional monitoring and

reporting of any raw product that is to be sold or distributed in container or bulk should conditions warrant such action.

- k. The Department may consider a request from the permittee to alter the monitoring and reporting conditions of this permit upon the establishment of sufficient historical data demonstrating that such alteration is protective of human health and the environment.