

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY  
OFFICE OF POLLUTION CONTROL  
SOLID WASTE AND MINING BRANCH  
P. O. BOX 2261  
JACKSON, MISSISSIPPI 39225-2261

**APPLICATION FOR A PERMIT TO OPERATE A LAND APPLICATION FACILITY  
WHICH WILL LAND APPLY INDUSTRIAL SLUDGE OR OTHER INDUSTRIAL  
SOLID WASTE WITH SIMILAR PROPERTIES OR CHARACTERISTICS, AS  
DETERMINED BY THE DEPARTMENT**

**Part 1. General Data**

1. Name of applicant: \_\_\_\_\_
2. Address of applicant: \_\_\_\_\_  
(Street address, P.O. Box, etc.)  
\_\_\_\_\_  
(City) (State) (Zip)
3. Telephone number of applicant: \_\_\_\_\_
4. Name, address, and telephone number of contract operator (if not applicable, so indicate):  
\_\_\_\_\_  
(Name)  
\_\_\_\_\_  
(Street address, P.O. Box, etc.)  
\_\_\_\_\_  
(City) (State) (Zip)  
Telephone number: \_\_\_\_\_
5. Name of site: \_\_\_\_\_

6. Name, address, and telephone number of the landowner (if same as applicant, so indicate):

\_\_\_\_\_  
(Name)

\_\_\_\_\_  
(Street address, P.O. Box, etc.)

\_\_\_\_\_  
(City) (State) (Zip)

Telephone number: \_\_\_\_\_

7. Attach a complete copy of the land deed, certified by the county clerk.
8. When the applicant intends to lease rather than own the land on which the site is located, there shall be attached to this application a notarized statement signed by the owner of the land which acknowledges and concurs in the use of this property as a land application facility and which specifies the expiration of the lease agreement. (See Attachment A for form).
9. If a commercial applicant or the contract operator is not a public agency, disclosure information must be included with the application, as required by Section 17-17-501 et seq., Mississippi Code of 1972. The disclosure statement must be submitted on forms supplied by the department.

**Part 2. Property Information and Maps**

10. The proposed facility will be located in \_\_\_\_\_ County(s).
11. The total property consists of \_\_\_\_\_ acres and lies in the following topographic sections:

<u>Section</u>	<u>Township</u>	<u>Range</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

12. The actual application area (excluding buffer zones and other unused areas) consists of \_\_\_\_\_ acres.

13. Attach a copy of the United States Geological Survey (USGS) topographic quadrangle map of the area showing the following:
  - a. the property boundaries of the site;
  - b. the application area within the property boundary; and
  - c. the location of active/inactive hydrocarbon wells and water wells present within the land application area.

The map may be a high quality photocopy.

14. Is the property line buffer distance designated on the map less than 200 feet on any side?

yes                       no

If yes, attach a documentation of compliance with section III.T. of the State of Mississippi Nonhazardous Waste Management Regulations.

15. Attach a property owners map indicating the immediately adjacent landowners to the site and a list of the complete names and addresses of the landowners.

### **Part 3. Local Government Regulations/Solid Waste Management Plans**

16. Attach a letter from the appropriate County or City official confirming that the siting of the proposed facility will be in conformance with all local laws, regulations and ordinances, or that no such laws, regulations, or ordinances are applicable.
17. The proposed facility must be consistent with the approved local solid waste management plan, as submitted to the Department by the local solid waste management authority. Attach a copy of the page(s) of the plan which recognizes the operation of this facility.

### **Part 4. Verification of Need**

18. Attach verification that the facility meets the twenty-year capacity needs identified in the local nonhazardous solid waste management plan, which shall take into account the quantities of municipal solid waste generated and the design capacities of existing facilities.
19. Attach a demonstration that the host jurisdiction and the jurisdiction generating the solid waste destined for the facility are actively involved in, and have a strategy for meeting the statewide waste minimization goal.
20. Attach certification that the proposed service area of the facility is consistent with the local nonhazardous solid waste management plan.

21. Attach a description of the extent to which the proposed facility is needed to replace other facilities.

### **Part 5. Plan of Operation**

22. Attach a list of the type, description, and characteristics of the wastes to be land applied, and an estimate of the quantities of wastes expected to be land applied at the proposed site.
23. Attach a list of the anticipated sources of the wastes.
24. Attach a plan of operation, to include the following items, as a minimum:
  - a. A list of the individual(s) responsible for managing the operation of the proposed facility.
  - b. Plans for prohibiting unauthorized wastes from entering the facility.
  - c. A narrative description of the operation from the point of waste unloading, through all steps of the land application of the proposed waste, to the point of growing crops. The plan must show that the application of waste will be confined within the designated application area.
  - d. A description of surface water control features, including run-on, run-off control systems and measures to prevent any washing or escape of waste from the property. No discharge of contaminated water shall occur unless specifically allowed by the issuance of a wastewater permit.
  - e. Plan for installation of a sign to identify the site.
  - f. A list and description of all operating equipments to be used at the proposed facility.
  - g. Procedures for obtaining weight or volume measurements of waste entering the facility. Also provide discussion of record keeping.
  - h. A description of the application method to be utilized.
  - i. Plans for testing, monitoring, recording and reporting.
  - j. Description for site preparation, such as clearing and grubbing, berm construction, drainage control structures, access roads, screening, and fencing, etc.

**Part 6. Technical Information**

25. Attach engineering drawings to include the following:
- a. boundaries of the property;
  - b. buffer distances;
  - c. actual land application area;
  - d. location of the 100-year flood boundary;
  - e. surface elevations;
  - f. surface drainage features including the general direction of flow;
  - g. roads; and
  - h. other physical characteristics of the proposed site.
26. Attach a description and characteristics of the surficial soil.
27. Submit data to describe the historic high water table at or in the vicinity of the proposed site.
28. Attach soil analysis to include the following parameters:  
Cation Exchange Capacity, pH, Nitrate, Nitrogen, Lead, Nickel, Cadmium, Zinc, and Copper.
29. Attach a site map designating the boundary lines of each field on which waste will be applied, the number of acres of each field, and general use of each field. (Cropland, Pastureland, etc.)
30. Attach the calculation for designing the waste application rate in dry tons/acre.
31. Attach the following for the wastes to be land applied from each source:
- a. Typical analysis for the following parameters:

1. pH	7. Total Potassium
2. Percent Solids	8. Arsenic
3. Total Nitrogen	9. Cadmium
4. Ammonia Nitrogen	10. Chromium
5. Nitrate Nitrogen	11. Copper
6. Total Phosphorus	12. Lead

- |                |              |
|----------------|--------------|
| 13. Mercury    | 16. Selenium |
| 14. Molybdenum | 17. Zinc     |
| 15. Nickel     |              |

Test parameters for nutrient and metal contents shall be calculated on a dry-weight basis.

b. TCLP Analysis of waste for the following parameters:

- |             |             |
|-------------|-------------|
| 1. Arsenic  | 5. Lead     |
| 2. Barium   | 6. Mercury  |
| 3. Cadmium  | 7. Selenium |
| 4. Chromium | 8. Silver   |

c. A description of the process to significantly reduce pathogens, utilized by each treatment plant.

**Part 7. Siting Requirements for Land Application Facilities**

32. Is the proposed facility or any portion of it located within the 100-year floodplain?

- yes                       no

If yes, attach a demonstration that the facility will not restrict the flow of the 100 year flood, reduce the temporary water storage capacity of the floodplain, or result in washout of solid waste so as to pose a hazard to human health or the environment.

33. Attach a letter from the U.S. Army Corps of Engineers regarding the wetlands determination of the proposed land application site. If any land application area contains wetlands, also attach documentation of approval from the U.S. Army Corps of Engineers for the proposed operation, as required by federal law.

34. For proposed facilities located in southern Hancock, Harrison or Jackson counties, attach a letter from the Mississippi Department of Marine Resources regarding the coastal wetlands determination of the proposed facility location. If the facility is within coastal wetlands, also attach documentation of approval for the proposed operation, as required by state law.

35. Is the facility located in an area which may result in recurring washout of waste, such as within a drainage ditch, along the banks of a drainage channel, along the banks of any surface water, or similar area?

- yes                       no

36. Attach documentation from the U.S. Fish and Wildlife Service and/or the Mississippi Department of Wildlife, Fisheries and Parks stating that the operation of the facility in the proposed location will not affect a federally or state listed endangered or threatened

species, or attach documentation that the proposed operation is in compliance with all statutes, rules and regulations within the jurisdiction of the U.S. Fish and Wildlife Service and the Mississippi Department of Wildlife, Fisheries and Parks concerning listed endangered or threatened species.

37. Attach original written comments (not a photocopy) from the Mississippi Department of Archives and History regarding the impact of the siting of the proposed operation to any cultural resource listed in, or eligible for listing in, the National Register of Historic Places. If the initial determination is that a significant and adverse impact will occur, attach documentation of appropriate mitigation.

38. Will the proposed facility be located within 250 feet of the banks of any river, stream, lake, reservoir, or coastal water?

yes                       no

39. Is the proposed facility located within 0.5 mile of a national, state, county or city designated park or an outdoor recreational area, such as a golf course or swimming pool, owned by a city, county or other public agency?

yes                       no

If yes, attach a letter from the person responsible for managing the park or recreational area consenting to a smaller setback distance.

40. Is the proposed facility located within national forest land, a national wilderness area, or national wildlife refuge area, as designated by the appropriate federal agency?

yes                       no

If yes, attach written consent for the proposed operation from the agency responsible for managing such area.

41. Is the proposed facility located within a state wildlife management area, state game management area, or state natural area, as designated by the Mississippi Department of Wildlife, Fisheries and Parks?

yes                       no

If yes, attach written consent for the proposed operation from the agency responsible for managing such area.

42. Is the proposed facility located within 0.5 mile of any licensed school, licensed day-care center, licensed hospital, or licensed nursing home, or within 1000 feet of any church?

yes                       no

The Permit Board may allow a smaller setback distance if a written agreement is obtained from the owner or appropriate representative stating that a smaller setback is acceptable.

43. a. Is the proposed facility located within 0.5 mile of a public water supply intake structure in a surface water body?

yes                       no

b. Is the proposed facility located within 1000 feet of any existing public water supply well?

yes                       no

44. Is the facility located within one mile of a residential area?

yes                       no

[Note: If the proposed facility is located in an established industrial park, then this distance shall be no less than 1000 feet.]



**Part 8. Signature and Date**

I certify that the information provided in this application form is a true and correct representation of that which is requested.

I also confirm that I have received a copy, have read and understand those sections of the following regulations and law applicable to rubbish disposal sites:

- a. Sections I, II, III, and VI of the Mississippi Nonhazardous Waste Management Regulations; and
- b. Section 17-17-219, Mississippi Code of 1972, pertaining to the state solid waste landfill fee requirements (for facilities which operate for a fee or which accept waste from more than one generator).

\_\_\_\_\_  
(Signature of applicant)

\_\_\_\_\_  
(Title, if applicable)

\_\_\_\_\_  
(Date)

**ATTACHMENT - A**

(Landowner should complete this form if land is to be leased)

PROVIDE LEGAL DESCRIPTION OF THE PROPERTY

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As owner of the above-described property, I hereby acknowledge that the property described in this permit application is leased for the purpose of operating a compost facility and that as owner of the property, I may be held jointly and severally responsible for maintenance of the site and all liabilities associated with the site upon termination of the operation. The lease agreement for the proposed property will expire on \_\_\_\_\_.

\_\_\_\_\_  
(Signature of the landowner)

\_\_\_\_\_  
(Date)