

**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 PROCESSING FACILITY WHICH
WILL PROCESS HOUSEHOLD GARBAGE AND/OR WASTEWATER SLUDGE OR
OTHER SOLID WASTE, AS APPROVED BY THE DEPARTMENT**

Applications should be submitted in duplicate

Part 1. General Data

1. Name of the proposed facility: _____

2. Check the type of facility: Indoor Outdoor

3. Name, address and telephone number of applicant:

(Name)

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

(City) (State) (Zip)

Telephone Number: _____

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, 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: _____

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

Part 2. Property Information and Maps

9. The proposed facility will be located in _____ County.
10. The total property consists of _____ acres and lies in the following topographic sections:

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

11. The actual area for the processing/storage operation (excluding buffer zones and other unused areas) is approximately _____ in size (specify acres, sq. feet, or sq. yards).
12. Attach a copy of the United States Geological Survey (USGS) topographic quadrangle map of the area. The property boundaries of the site and the approximate processing/storage area of the proposed facility should be drawn onto the map. The map should be an original and not a photocopy.

13. Attach a site map, drawn to scale, showing the boundaries of the property and processing/storage area, buffer distances to the property lines, waste unloading area, equipment and other storage areas, roads, and other physical characteristics of the site.

Will the proposed processing/storage operation be adequately enclosed within a walled and roofed structure (i.e., an indoor facility)?

yes no

If yes, the buffer distance to the property line should be at least 50 feet. Also, include details of the structure.

If no, the buffer distance to the property line should be at least 200 feet.

Exceptions to the above buffer distances may be allowed by the Department upon documentation of compliance with Section III.T., of the state regulations.

14. 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 Regulation/Solid Waste Management Plans

15. 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.
16. 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. The Department should be contacted prior to addressing this item.

Part 4. Demonstration of Need

Section 17-17-229, Mississippi Code Annotated, requires each permit application to contain a demonstration of need which shall include the items *in italics* below. This may be achieved by answering questions in items 17-19 below:

17. *Verification that the facility for which the permit is sought meets the twenty-year capacity needs identified in the county or regional nonhazardous solid waste management plan which shall take into account the quantities of municipal solid waste generated and the design capacities of existing facilities.*

If the proposed facility is included in and consistent with the local solid waste management plan, then the facility meets the twenty-year capacity needs. Is the proposed facility included in and consistent with the local solid waste management plan? yes no. If not, provide explanations on an attached sheet.

18. *Demonstration that the host jurisdiction and the jurisdiction generating the solid waste destined for the applicant's facility are actively involved in, and have a strategy for, meeting the statewide waste minimization goal.*

Certification that the proposed service area of the facility is consistent with a local nonhazardous solid waste management plan.

Every approved local solid waste management plan has an approved waste minimization strategy included in the plan. If the jurisdiction (excluding out-of state jurisdictions) generating the solid waste destined for the facility (the proposed service area) has an approved local solid waste management plan, the first requirement above is met. The service area for the proposed facility must be consistent with the service area as specified in the approved local solid waste management plan for this facility. List below the service area of the facility (by city, county and/or state):

19. *The extent to which the proposed facility is needed to replace other facilities.*

Many of the state's landfills were forced to close in 1993 and 1994 due to the Subtitle D regulations. Disposal at the remaining landfills became more expensive and in most cases, involved a long haul out of the county. As a result, it has become economically and environmentally advantageous to find alternate or supplemental disposal/management methods for solid waste and rubbish waste. Is this situation representative for your facility? yes no. If not, provide on an attached sheet a description of the extent to which the proposed facility is needed to replace other facilities.

Part 5. Plan of Operation

20. Attach a list of the type, description, and characteristics of the wastes to be processed or stored, and an estimate of the quantities (in tons/day) of wastes expected to be managed at the proposed facility.
21. Attach a list of the anticipated sources of the wastes.
22. Include engineering drawings, prepared, signed, and sealed by a qualified, registered professional engineer, to include the following:
- a. A site map(s) showing the boundaries of the property and proposed processing/storage areas, waste unloading areas, operational/management areas, equipment and storage areas, roads, nearby houses, surface water bodies, and other physical characteristics of the site. Distances and dimensions should be labeled. *Note: Refer to Section III.T. of the regulation for minimum property line setback requirements.*

- b. Detail drawings of the processing/storage areas, equipment type and location, and surface water control features.
 - c. If applicable, plan and profile drawings of the structures to enclose the operation, to include construction type (metal, wood, etc.), any open side, and maximum storage capacity.
23. Attach a plan of operation, to include the following items, as a minimum:
- a. A description of site security and monitoring provisions at the site (e.g., gates, fences, etc.). The plan must indicate that an attendant will be onsite at all times access to the site is unsecured.
 - 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 processing and/or storage operation, to the point of ultimate disposal or removal from the site. Also include the maximum length of time that wastes will be processed and stored at the site.
 - d. Plan for fire prevention and actions to be taken in the event of an accidental fire.
 - e. Plan for litter control, if applicable to the type of wastes proposed.
 - f. A description of how the facility will be designed to contain contaminated liquids. Geological/hydrological information may be required for facilities in which waste or contaminated surface water will be in contact with the natural ground. Also include a description of surface water control features, including run-on, run-off, leachate control systems, measures to prevent any washing or escape of waste from the facility, and a plan for disposal of contaminated surface water.
 - g. If applicable, a description of the type of residuals expected to be generated and how each will be stored and managed.
 - h. The design and performance specifications of the principal components of the facility, such as shredders, separating equipment, screens, etc.
 - i. An estimate of the maximum storage capacity for all areas where waste and residuals will be stored.
 - j. A description of the proposed disposition of the waste.
 - k. Plan for washing down, on a daily basis, all equipment that comes in contact with wastes. For systems that operate on a continuous basis, washdown should be accomplished at a certain hour at least once for every 24-hour cycle.

24. A contingency plan for disposing or managing the waste in the event of any necessary shutdown.

Part 6. Siting Requirements For All Processing Facilities

25. Attach a letter from the U.S. Army Corps of Engineers regarding the wetlands determination of the proposed facility location. If the facility is within wetlands, also attach documentation of approval for the proposed processing/storage operation, as required by federal law.
26. For proposed facilities located in southern Hancock, Harrison or Jackson counties, attach a letter from the Mississippi Department of Wildlife, Fisheries and Parks (Bureau 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 processing/storage operation, as required by state law.
27. 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
28. 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 with 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.
29. Is the proposed processing facility located within the 100-year floodplain map?
- 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.
30. Attach a letter 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.
31. The proposed facility will be located approximately _____ feet from the closest single family dwelling unit (e.g., a house, mobile home, apartment, etc.) at the time of this application. If the distance is less than 500 feet for an indoor facility or less than 1500 feet for an outdoor facility, attach documentation of compliance with Section III.X of the regulation.

Part 7. Additional Siting Requirements for Outdoor Facilities

(Note: Applicants for indoor facilities may skip to Part 8 on Page 8.)

32. Will the proposed facility be located within 250 feet of the banks of any river, stream, lake, reservoir, or coastal water?
- yes no
33. 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
34. 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
35. 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
36. 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
37. a. Will the proposed facility be located within 5,000 feet from an airport runway end?
- yes no
- b. Will the proposed facility be located within 10,000 feet of any airport runway end serving turbojet aircraft?
- yes no
38. If the answer is yes to any question no. 33 through 37, attach documentation of compliance with the applicable paragraph of Section III of the state regulations.

Part 8. Additional Requirements For Facilities Which Will Process Municipal Wastewater Sludges

(Note: Applicants for facilities processing wastes other than municipal wastewater sludges may skip to Part 9 on Page 9.)

39. Will the finished product be distributed (*i.e.*, sold or given away in a bag or other container)?

yes no

If not, please indicate on attached sheet how the finished products will be disposed of. The Department may require the applicant to provide additional information depending on the method of disposal.

If yes, address the items 40-42 below.

40. Attach analysis of the finished product for the following parameters (on dry-weight basis):

- | | |
|-------------------|---------------------|
| 1. Total Arsenic | 6. Total Mercury |
| 2. Total Cadmium | 7. Total Molybdenum |
| 3. Total Chromium | 8. Total Nickel |
| 4. Total Copper | 9. Total Selenium |
| 5. Total Lead | 10. Total Zinc |

41. Attach documentation of compliance with Class A pathogen reduction requirements in the EPA sludge regulations 40 CFR 503.32.(a).

42. Attach documentation of compliance with vector attraction reduction requirements in the EPA sludge regulations 40 CFR 503.33.(b).(1) - (8).

Part 9. 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 am aware that there are significant penalties for knowingly submitting false information.

I also confirm that I have received a copy, have read and understand those sections of the State of Mississippi Nonhazardous Solid Waste Management Regulations that are applicable to processing facilities.

(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

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)