

INDUSTRIAL/NON-MUNICIPAL WASTE LANDFILLS
APPLICATION FOR A SOLID WASTE MANAGEMENT PERMIT
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
OFFICE OF POLLUTION CONTROL

PART 1. GENERAL DATA

1. Name of applicant _____
2. Address of applicant _____
(Street Address, P.O. Box, etc.)

(City) (State) (Zip)
3. Contact Person _____
4. Telephone number of Contact Person _____
5. Name, address, and telephone number of landowner (if same as above, 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. If the applicant is not the landowner, attach a notarized statement (see attachment A) from the landowner which acknowledges and concurs in the use of this property as a solid waste disposal facility.

PART 2. PROPERTY INFORMATION AND MAPS

8. Physical Address of the proposed facility

(Street address, county road, etc.)

(City) (State) (Zip)

9. Attach a typewritten legal description of the total landfill property including the acreage of the total property and a description of the actual proposed waste disposal area including the acreage of the waste disposal area.

10. Attach a United States Geological Survey (USGS) topographical quadrangle map of the area which outlines the property boundaries of the site and the approximate disposal area within the property boundary. The map may be a high quality photocopy.

11. Attach a site map, prepared by a registered land surveyor showing the boundaries of the property, buffer distances, disposal/processing area, waste unloading area, access and internal roads, borehole and piezometer locations, surface drainage features, groundwater monitoring well locations (where applicable), and other physical characteristics of the site.

12. Attach a cross-sectional drawing of the proposed landfill to include the following, at a minimum:

- a. existing ground elevations; these elevations should be consistent with locations and surface elevations of the borings for the landfill site;
- b. the landfill base elevation;
- c. the elevation at the top of the waste layer after reaching the final height;
- d. the elevation at the final cover layer; and
- e. include slope stability calculations if the proposed final height of the fill would be more than 25 feet above the existing ground. The slope of the final cover shall be at least 4 percent but no greater than 25 percent.

13. Attach a property owner's map indicating the immediately adjacent landowners to the site and a list of the complete names and addresses of these landowners.

14. Has a mining permit ever been issued for this property by the Mississippi Department of Environmental Quality? (for example, gravel and sand excavation, and other mineral removal operations)

yes no

If yes, attach a copy of the permit, map, and application.

PART 3. LOCAL GOVERNMENT REGULATIONS/SOLID WASTE MANAGEMENT PLANS

15. Attach a letter from the appropriate county or city official confirming that the siting of this facility will be in conformance with all local laws, regulations, and ordinances, or that no such laws, regulations, or ordinances are applicable.
16. All nonhazardous solid waste management facilities must be consistent with the 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, or attach a letter from an appropriate representative of the local solid waste planning unit stating that the facility will be made a part of the plan. (Facilities exclusively handling oil and gas exploration and production wastes are exempt from this requirement.)

PART 4. PLAN OF OPERATION

17. Attach a list of the type, description, characteristics and volume of the wastes to be accepted at the site. Industrial process wastes and certain special wastes should include a description of the generating process and chemical/physical characteristics of the wastes. Commercial sites should specify known sources of the wastes and the approved service area.
18. Attach a plan of operation, to include the following items, at 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 on-site at all times access to the site is unsecured.
 - b. Clarification of the operator (if a contract operator is employed, provide contractor name, address and contact person; if company operation, provide contact person, direct mailing address and phone number).
 - c. A description of plans for prohibiting unauthorized wastes from disposal at the site.
 - d. A narrative description of the operation from the point of waste unloading to the point that earthen cover is applied.
 - e. A description of the general phasing or sequence of operations which correlates to site drawings.
 - f. The equipment and personnel resources available for the site's maintenance and the frequency that these resources are onsite.
 - g. The frequency of earthen coverage application at the site. Normally, this frequency shall be daily; however, the frequency may be increased, decreased or excluded depending upon the amount and characteristics of the waste to be accepted. For alternate cover frequencies, specific days should be listed (for example, the first and third Thursday of each month).
 - h. Plans for surface water run-on/run-off controls and design of sedimentation pond, if required. Include design calculations demonstrating that the pond will collect and control the water volume, that may, at a minimum, result from a 24-hour, 25-year storm. Also, provided a copy of an existing applicable appropriate stormwater permit or include an

application for a stormwater permit or plans to modify an existing stormwater pollution prevention plan.

- i. Include plans for leachate collection system design, drawings and operational plan, including cell system design, calculations of size and spacing, pump activation and deactivation levels, details of pumping, removal, and ultimate disposal. Pump activation should occur at the 10-inch level or below. If storage tanks are utilized, certain leak detection or spill prevention plans must be included. Also, contingent upon the proposed disposition of the leachate, confirm the status or applicability of pretreatment or NPDES permitting requirements. Where applicable, a pretreatment or NPDES permit application should be prepared and submitted with the solid waste management permit application.
- j. Plans for installation of a sign to identify the site. (Commercial sites must include information about unloading procedures, operating hours and other pertinent information.)
- k. If combustible waste is proposed for disposal at the site, the plans for fire prevention and actions to be taken in the event of an accidental fire.
- l. Plans for litter control at the site, if applicable to the type of wastes proposed.
- m. Closure/post-closure care plans, including, at a minimum, a discussion of compliance with each of the applicable requirements of Section IV.E of the Mississippi Nonhazardous Waste Management Regulations.

PART 5. SITING REQUIREMENTS FOR NEW INDUSTRIAL/NON-MUNICIPAL WASTE
LANDFILLS

Include or attach documentation of compliance with the applicable sections of the State Siting Criteria for Nonhazardous Solid Waste Management Facilities in Section III of the Nonhazardous Waste Management Regulations as described in the following sections:

19. Is the proposed facility located within 5,000 feet of any airport, agricultural runways or other airstrips?

yes no

If yes, please demonstrate in writing that:

- a. The facility will not accept wastes which will result in bird attraction, or
- b. The facility will be designed and operated so that it does not pose a bird hazard to aircraft, and
- c. The airport is not being routinely utilized for scheduled commercial passenger services and is not proposed to be utilized for such aircraft service in the foreseen future.

20. Is the proposed disposal area located within the 100 year floodplain?

yes no

If yes, include 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.

21. Include a letter from the U.S. Army Corps of Engineers regarding the wetlands determination of the proposed facility location or demonstrate in writing why a wetlands determination is not applicable (prior development, topography, etc.). If the disposal area is proposed to be located within wetlands, also include documentation of approval for the waste disposal operation, as required by federal law.

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

23. Is the proposed disposal area located immediately above an active or inactive hydrocarbon well or an active or inactive water well.

yes no

If yes, please demonstrate that the well has been adequately plugged.

24. Is the proposed facility located within 0.5 mile of a public water supply intake structure in a surface water body or 1,000 feet of any existing public water supply well.

yes no

25. Will the proposed disposal operation be located within 100 feet of the banks of any river, stream, lake, reservoir, or coastal water?
- yes no
26. Will the proposed facility be 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
27. Include a geological/hydrogeological report prepared and certified by a qualified geologist which adequately demonstrates compliance with the geologic siting criteria in Section III.L of State regulations.

PART 6. ADDITIONAL SITING REQUIREMENTS FOR NEW OFF-SITE INDUSTRIAL/NON-MUNICIPAL WASTE LANDFILLS

28. Include 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 include 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.
29. Include original written comments (not a photocopy) from the Mississippi Department of Archives and History regarding the impact of the siting of the proposed disposal 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, include documentation of appropriate mitigation.
30. 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
31. 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
32. 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

33. Is the proposed facility located within 0.5 mile of any licensed school, licensed day-care center, licensed hospital, licensed nursing home, or within 1,000 feet of any church?

yes no

34. Is the proposed facility located within 50 feet of a single family dwelling unit (e.g., a house, mobile home, townhouse, condominium, apartment, etc.) at the time of this application.

yes no

35. Is the proposed property line setback distance (buffer zone) between the proposed disposal area and adjacent property line at least 500 feet?

yes no

If no, please demonstrate that adequate screening, whether natural or artificial, will restrict the offsite view of the landfill and that the setback will be no less than 250 feet.

36. Is the proposed facility located at least 1,000 feet from the edge of the right-of-way of any interstate or primary highway, as designated by the Mississippi State Highway Commission.

yes no

37. The applicant should demonstrate that the anticipated additional traffic along the primary route to the facility will not significantly increase the safety risk within a five (5) mile radius of the disposal area of the facility.

38. If the proposed facility is closer than 1,500 feet from a single family dwelling unit, the applicant should demonstrate that the facility will be located, configured, designed, constructed, and operated such that the noise level at the neighboring dwelling, caused by the normal waste management operations of the facility, but not by vehicular movement into or out of the facility, will not exceed an eight-hour time weighted average (TWA) of 65 decibels between hours of 7 a.m. and 7 p.m., and an eight-hour TWA of 55 decibels between 7 p.m. and 7 a.m. Otherwise, the owner of such dwelling should provide written consent to a smaller distance.

PART 7. LINER SYSTEM DESIGN

39. Attach a narrative description and detailed drawings and specifications of the proposed liner system design. This design should be presented in conjunction with the geologic siting demonstration requirements of Section III.L of the Mississippi Nonhazardous Waste Management Regulations. Any proposal for an alternate liner system (e.g. in-situ clay liner, recompacted clay liner, synthetic liner, etc.) should include an adequate demonstration that the proposed liner system in composite with site geologic conditions offers adequate protection to regional ground and surface waters.

PART 8. GROUNDWATER MONITORING SYSTEM

40. Attach a narrative description, drawings, and details of the groundwater monitoring system including a characterization of regional groundwaters (e.g. groundwater flow rate, groundwater flow direction, seasonal and temporal fluctuations in flow rate, depth below liner system, etc.) well construction details (screened interval and surface protection details), well locations, (specified as upgradient or downgradient), procedures for sampling, quality control, statistical analysis of data, and determination of significant increase and any other information as necessary to demonstrate compliance with Section IV.D of the Mississippi Nonhazardous Waste Management Regulations. Proposals which do not include such monitoring systems or which vary from the aforementioned regulations must include an adequate demonstration supporting such variance as per Section IV.A.5 of the Regulations.

PART 9. VERIFICATION OF NEED

41. 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 solid waste generated and the design capacity of existing facilities.
42. Attach information that demonstrates 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 of 25%.
43. Attach certification that the proposed service area of the facility is consistent with the local nonhazardous solid waste management plan.
44. Provide a description of the extent to which the proposed facility is needed to replace other facilities.

PART 10. 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 solid waste management facilities:

- a. State of Mississippi Nonhazardous Waste Management Regulations; and
- b. Section 17-17-219, Mississippi Code of 1972, pertaining to the state solid waste landfill fee requirements, if applicable. (Commercial landfill sites only.)

(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)