

SOLID WASTE DISPOSAL FACILITY  
MSWLF/ILF/CCR UNIT PERMIT APPLICATION PACKAGE

January 16, 2018

**MEMORANDUM**

TO: Applicants Seeking a Permit for Solid Waste Facilities

FROM: Stephen A. Cobb, Chief  
Land Division  
Alabama Department of Environmental Management

RE: Processing Solid Waste Permits by ADEM

Any permit issued by ADEM must be in accordance with §22-27-48 and §22-27-48.1 Code of Alabama. This section indicates that ADEM may not consider an application for a new or modified permit unless such application has received approval by the affected unit of local government having an approved plan. ADEM, therefore, will require the following before it can process a new or modified permit application:

1. The local government having jurisdiction must approve the permit application in accordance with §22-27-48 and §22-27-48.1 Code of Alabama.
2. Local governments should follow the procedures outlined in §22-27-48 and §22-27-48.1 Code of Alabama and the siting standards included in the local approved plan in considering approval of a facility.

This procedure applies to applications for new or modified permits. ADEM cannot review an application unless it includes approval from the affected local government. This procedure shall not apply to exempted industrial landfills receiving waste generated on site only by the permittee.

Please contact the Solid Waste Branch of ADEM at (334) 274-4201 if there are any questions.

SAC/sss/abj

# SOLID WASTE APPLICATION

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PERMIT APPLICATION  
SOLID WASTE DISPOSAL FACILITY  
ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
(Submit in Triplicate)

1. Facility type:            \_\_\_\_\_ Municipal Solid Waste Landfill (MSWLF)  
                                  \_\_\_\_\_ Industrial Landfill (ILF)  
                                  \_\_\_\_\_ CCR Landfill (CCRLF)  
                                  \_\_\_\_\_ CCR Surface Impoundment (CCRSI)  
                                  \_\_\_\_\_ Other (explain) \_\_\_\_\_

2. Facility Name \_\_\_\_\_

3. Applicant:

Name: \_\_\_\_\_

Address: \_\_\_\_\_  
          \_\_\_\_\_  
          \_\_\_\_\_

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

4. Location: (include county highway map or USGS map)

Township    \_\_\_\_\_    Range    \_\_\_\_\_  
Section      \_\_\_\_\_    County    \_\_\_\_\_

5. Land Owner:

Name: \_\_\_\_\_

Address: \_\_\_\_\_  
          \_\_\_\_\_  
          \_\_\_\_\_

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

(Attach copy of agreement from landowner if applicable.)

6. Contact Person:

Name \_\_\_\_\_

Position or  
Affiliation \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

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

7. Size of Facility:

\_\_\_\_\_ Acres

Size of Disposal Area(s):

\_\_\_\_\_ Acres

8. Identify proposed service area or specific industry that waste will be received from:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

9. Proposed maximum average daily volume to be received at landfill (choose one):

\_\_\_\_\_ Tons/Day    \_\_\_\_\_ Cubic Yards/Day

10. List all waste streams to be accepted at the facility (i.e., household solid waste, wood boiler ash, tires, trees, limbs, stumps, etc.):

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
SIGNATURE

\_\_\_\_\_  
DATE

## ADDITIONAL REQUIRED INFORMATION

Applicants seeking to obtain a permit to construct and/or continue to operate a municipal solid waste (MSW) landfill, industrial landfill, coal combustion residuals (CCR) landfill, or CCR surface impoundment are required to submit additional information as part of the Solid Waste Disposal Facility Permit Application. These additional information requirements vary depending on the facility type.

For new and existing landfill units, refer to ADEM Admin Code 335-13-5-.02 for a list of additional information to be submitted in the permit application. Some requirements apply only to MSW landfills and CCR landfills, while other requirements apply to industrial landfills. You need only to address the requirements that pertain to your type landfill. For new and existing CCR surface impoundments, refer to ADEM Admin Code 335-13-15-.09 for additional information to be submitted in the permit application.

Each rule that is applicable to your type landfill or surface impoundment must be addressed in detail in the operational narrative and/or engineering drawings before the review process can be completed. All operational narratives, engineering drawings, survey maps and legal descriptions are to be prepared by licensed engineers or surveyors registered in the State of Alabama and with their stamp or seal on each drawing/map and cover of the narrative.

Act No. 89-824 Section 9(a) states "The department may not consider an application for a new or modified permit for a facility unless such application has received approval by the affected unit of local government having an approved plan." This document must be received by the Department prior to processing the application.

The referenced rules are covered in greater detail in ADEM's Administrative Code, Division 13. Clarification can be obtained by reviewing the regulations. Copies of the ADEM Administrative Code, Division 13 regulations, can be obtained for a fee by contacting ADEM's Permits and Services Division. If the Department can answer any questions, please contact the Solid Waste Branch at (334) 274-4201.

## DATA TO BE SUBMITTED ON ALL LANDFILLS REQUIRING A GEOLOGICAL EVALUATION

The following items must be submitted along with the permit application. This data is necessary for ADEM to determine if the proposed landfill site is suitable from a geological standpoint.

- a. Conduct a water well survey to a minimum of 1 mile from the perimeter of the proposed landfill or expansion.
  1. Locate water wells on a USGS 7.5 minute topographic map.
  2. Provide corresponding names and addresses of well owners.
  3. Determine the depth of the well and the static water level. Specify whether these data were determined by measurement or interview.
- b. Conduct borings and/or pit excavations to establish site geology and hydrology at least to the mean annual water table or bedrock.
  1. Locate soil borings or excavation pits on a USGS 7.5 minute topographic map.
  2. Provide a log of excavation which includes the following:
    - Foot by foot soil classification by the Unified Soil Classification System (USCS).
    - Elevation at which groundwater or bedrock was observed.
    - Elevation of groundwater after 24 hours.
- c. Sample soil material from test borings or pit excavations for the following tests:
  1. Proctor density 90%-95% for liner material, 85%-90% for cover material.
  2. Permeability in cm/sec at the item (1) densities.
- d. Construct the following maps:
  1. Potentiometric map using general elevations established after 24 hours.
  2. Regional map to a minimum of 1 mile from the perimeter indicating geology, structural features such as faults, etc.
  3. Cross sections using borings and/or excavation pits of site.
- e. Any additional information deemed necessary to properly evaluate the site.