



PERMIT
FOR THE CONSTRUCTION AND OPERATION OF A
SOLID WASTE DISPOSAL FACILITY
ISSUED BY
STATE OF ARKANSAS
DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY



PERMIT CLASS: I

CSN IDENTIFICATION: 25-0028
PERMIT NUMBER: 083-S1-R2

ORIGINAL PERMIT DATE: December 5, 1975
EFFECTIVE DATE OF REVISION NO. 1: August 30, 1979
EFFECTIVE DATE OF THIS MODIFICATION: **April 6, 1994**

PERMIT OWNER AND ADDRESS: Arkansas Waste Recovery, Inc.
Post Office Box 698
Hardy, Arkansas 72542

LOCATION: Cherokee Village Landfill
SE 1/4, SE 1/4, Section 20, T-19-N,
R-6-W, Fulton County, Arkansas

DESIGN ENGINEER: Bond Consulting Engineers, Jacksonville, Arkansas

PERMIT CONDITIONS: This permit is your authority to construct and/or operate the Solid Waste Disposal Facility set forth in your original application dated February 19, 1979 and your modification application dated June 10, 1993. This permit is issued pursuant to the provisions of the Arkansas Solid Waste Management Act (Act 237 of 1971; Sec. 82-2701 et seq., Ark. States.), hereinafter called the "Act", the Arkansas Solid Waste Management Code, hereinafter called the "Code", and all other applicable rules and regulations of the Department of Pollution Control and Ecology, hereinafter called "Department", and the following terms and conditions:

1. The disposal facility shall be constructed, maintained, and operated in accordance with the final plans, specifications and operation narrative as approved by the Department and in compliance with all applicable provisions of the Act, the Code, and all other applicable rules and regulations.
2. This permit shall automatically terminate unless construction of the disposal facility has been commenced within 180 days of the original effective date of the permit and is completed with all reasonable diligence or; when the authorized fill elevations have been attained. The Department shall be notified in writing when the initial construction has been completed and upon landfill closure in order that it may be inspected.
3. The disposal facility shall be operated by licensed, qualified personnel and maintained in good operating condition at all times.

SEE ATTACHED SHEET(S) FOR ADDITIONAL CONDITIONS

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4. This permit may be revoked or modified whenever, in the opinion of the Department, the facilities are no longer in compliance with the Act, the Code, and applicable rules and regulations. This permit shall not relieve the permittee, its agents or employees, from compliance with all provisions of the Act and the Code.

5. Nothing herein contained shall be construed as releasing the permittee from any liability for damage to persons or property by reason of the installation, maintenance, or operation of the disposal facility.

6. This permit is issued in reliance upon the statements and representations made in the application and the plans and specifications and the Department has no responsibility for the adequacy or proper functioning of the disposal facility.

7. This permit modification is for the original 40 acre site with disposal to be in the areas as indicated on the plans. The permit will expire when the disposal area described in the final engineering plans has been filled to design capacity and is closed out in accordance with the provisions of the Arkansas Solid Waste Management Code as Amended. Post closure maintenance period will be a minimum of 2 years after closure, if waste disposal operations at the site are discontinued before April 9, 1994.

If waste disposal operations at the site are continued on or after April 9, 1993, requirements of 40 CFR Part 258 [Subtitle D] will apply to the facility, including 30-year post-closure care provisions.

8. Waste disposal to the new higher fill height in Area "A" (northeast portion of site) and in Area "A-A" (in the gap between Area "A" and the old landfill) authorized by this permit modification shall not commence until a permit modification fee in the amount of \$3,000.00 is received and acknowledged by the Department. The fee shall be submitted in accordance with Regulation Number 9, Permit Fees. Failure to pay annual permit fees when due may result in revocation of the permit.

Waste disposal operations shall be confined to the smallest practicable extent and shall progress in an orderly manner until an area is filled to authorized final elevations indicated on the approved plans. On or after April 9, 1994, a full composite bottom liner system and leachate collection system shall be designed and constructed in accordance with design requirements of Subtitle D for any new disposal area(s) prior to commencement of waste disposal in any new area(s) at the landfill.

9. The amount of financial assurance required is \$52,500.00. The instruments used must be in the exact form set forth in Appendix "B" of the Code and must be filed with the Department before the permit can become effective. If the facility is still in operation after April 9, 1995, the permittee must comply with Federal Financial Assurance Criteria (40 CFR Part 258, Subpart G) for closure, post-closure care, and corrective action. A portion or all of the financial assurance may be held by the Department beyond the time of completion of the landfilling operation to ensure satisfactory closure and post-closure care in accordance with the Code.

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10. This facility is for the disposal of waste eligible for a Class I sanitary landfill. For special materials as listed in Appendix "A" of the Code, the permittee must request authorization to dispose of the particular class(es) of special material(s) and receive specific written approval from the Department prior to disposing of those classes of special materials.

11. Proper preparation of the bottom liner and leachate collection system shall be supervised and certified in writing in a report to the Department by a Registered Engineer prior to placement of waste. The report shall include quality assurance/quality control (QA/QC) results for the clay liner system. Results for the clay liner system shall include a map indicating the location, designation, and extent of area(s) actually constructed/prepared for use; and the total area of liner prepared (square feet). Each subsequent area or portion of an area shall similarly be supervised and reported in writing to the Department prior to placement of waste in that area. Filling in any portion of the Class I landfill where the clay liner system has not been properly constructed/prepared, tested using appropriate QA/QC procedures, and certified by a Registered Engineer is strictly prohibited.

As a minimum, the following criteria shall be satisfied before the clay bottom liner can be considered acceptable:

- Density tests shall be conducted on 100 feet centers for each lift.
Standard Proctor density shall be $\geq 90\%$.
- Permeability tests shall be conducted on 300 feet centers for each lift.
Permeability shall be $\leq 1 \times 10^{-7}$ cm/sec.

All test results, maps, certifications, and acceptances required by QA/QC criteria, Operation Narrative, and/or permit conditions herein shall be maintained on-site for review by authorized representatives of ADPC&E.

12. The volume of leachate generated shall be monitored and recorded at least once per week. The final disposal site for leachate shall be reported to the Department along with the actual volume disposed. Leachate shall be analyzed at least once per year and results submitted to the Department. Samples shall be analyzed for the following:

- TOC - Zn - Ni
- Chlorides - pH - Total Cr
- Cd - TDS - Pb

13. Each groundwater monitoring well shall be analyzed twice annually unless more frequent monitoring is deemed necessary by the Department. Results submitted to the Department shall include the following parameters:

- Depth to Groundwater (feet)
- Potentiometric Surface Elevation (MSL datum)
- Cd
- Pb
- Zn
- Chlorides
- TDS
- COD
- pH

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14. Litter control fences shall be provided in the active fill areas for the control of blowing litter. Other litter control measures shall be implemented, if necessary, to confine litter to the smallest practicable extent and prevent litter from leaving the site.

15. Seeding of suitable perennial grasses and soil stabilization shall be conducted in the spring and fall on all exposed surfaces not currently receiving wastes. Furthermore, revegetation shall be accomplished immediately after final elevations are attained and the landfill is capped. Following establishment of cover vegetation, the vegetation shall be properly mowed as needed during the growing season to control undesirable annual weed and woody vegetation growth and to facilitate proper inspection of the cover.

16. Appropriate NPDES construction/stormwater permit(s) shall be obtained for stormwater discharges from the site. A Stormwater Pollution Prevention Plan, which outlines erosion and sediment control measures, shall be prepared and implemented in accordance with applicable NPDES requirements. A copy of the plan shall be maintained on-site for reference by operating staff.

17. The permittee shall submit plans/specifications for appropriately sized sediment control pond(s) to remove sediment in run-off from active fill areas or unstabilized areas at the site within three months of the effective date of this permit modification. Once approved by ADPC&E, the permittee shall proceed with construction of the sediment pond(s) in an expeditious manner until completed. The sediment pond(s) may be a part of the overall Stormwater Pollution Prevention Plan (Condition No. 16).

18. The final grades/elevations as shown on the approved engineering plans shall not be adjusted in anticipation of settling and consolidation of the waste mass. The actual grades/elevations upon completion and capping of the fill shall not exceed those indicated on approved plans.

19. Petroleum contaminated or other contaminated soils, municipal incinerator ash, or wastewater treatment plant sludge shall not be placed in the landfill without Department authorization.

20. The permittee must cover disposed waste with at least six inches of soil at the end of each operating day, or at more frequent intervals if necessary, to control disease vectors, fires, odors, blowing litter, and scavenging. No portion of the waste is to be left exposed at the end of the operating day.

Alternative materials for daily cover, such as synthetic materials, shall only be used when specifically authorized in writing by the Department. Any alternative daily cover that is proposed by the permittee must comply with Department guidelines and include specific written operating procedures that will be implemented to control disease vectors, fires, odors, blowing litter, and scavenging. The use of synthetic material will not be authorized unless it is incorporated within operating procedures that also rely on use of at least six inches of soil cover for daily cover on some days; any proposal for daily cover based solely upon full-time use of synthetic material will not be approved.

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21. Diversion terraces or berms shall be constructed and maintained around active trenches or fill zone(s) to divert surface run-on water around trenches or fill zone(s). This shall be supplemented by portable pumps, if necessary, to keep run-on water from entering active trenches or fill zone(s).

22. Engineering plans, engineering reports, supplements to engineering reports, operation narrative, and applicable permits shall be maintained on-site for ready reference by operating personnel.

23. Any statements in the operational narrative and/or engineering plans that conflict with the Solid Waste Management Code, permit conditions herein, or applicable laws shall not be considered authorized by the Department.

24. The Department, its employees, agents or any authorized person shall have the right to enter the property at any time for any reason as set out in the Arkansas Solid Waste Code for the purpose including but not limited to taking of samples, inspection, and any other enforcement or engineering action, without interference or delay from the permittee.

25. The Department's decision to issue this permit is final for purposes of appeal as of the date indicated in the Certificate of Service below.

APPROVED BY: Department of Pollution Control & Ecology
8001 National Drive; Post Office Box 8913
Little Rock, Arkansas 72219-8913

James Inack
Director

4-6-94

Date

CERTIFICATE OF SERVICE

I, Alex Weather, hereby certify that a copy of this permit has been mailed by first-class mail to the Mr. Marvin Gibbons, President, Arkansas Waste Recovery, Inc.; Post Office Box 698; Hardy, Arkansas 72542 on or before this 11th day of April, 1994.