Directorate of Environmental Management

Ms. Laura Mack, Chief
Solid Waste Division
Arkansas Department of Pollution Control and Ecology
8001 National Drive
Little Rock, AR  72209

Dear Ms. Mack:

Enclosed is Pine Bluff Arsenal's (PBA) Final Closure Report for our solid waste landfill area. The Department was previously notified of the actual completion of closure activities in a letter dated October 3, 1994. The enclosure contains the original landfill Closure Plan (Attachment 1), a boundary survey indicating final elevations of the entire landfill area (Attachment 2), and the permeability test results from samples taken from the closed disposal cells.

If there are further questions or comments, please contact Mr. Phillip Vick at 540-2810.

Sincerely,

[Signature]
Lula H. Dickson
Director, Environmental Management

Attachments (3)
CLOSURE PLAN PINE BLUFF ARSENAL SANITARY LANDFILL

1. Areas in use since 1991 to be closed
   Plan: Landfill Pit Records Control Line B
   Sta. 3 + 63 thru 4 + 63
   Sta. 10 + 92 thru 12 + 71.1

2. Final cover requirements
   a. Re-grade the six inches of daily soil cover so that run-off water does not run onto the landfill and there are no depressions in the landfill where water can pond. Add additional soil as necessary to meet this requirement.
   b. Place and compact an additional eighteen inches of clay cap material over the daily cover so that the permeability is no greater than \(1 \times 10^{-5}\) CM/Sec.
   c. Place an additional six inches of top soil that is capable of sustaining native plant growth.
   d. Apply grass seed and mulch as necessary to control erosion.
   e. Survey the site to document the final elevations of the landfill, the site boundaries and the areas that received waste.

3. Responsibilities
   a. Directorate of Public Works (DPW) will supervise and perform the closure cap work.
   b. Permeability testing will be conducted by the Little Rock District, Corps of Engineers.
   c. The Little Rock District, Corps of Engineers will update the Pine Bluff Sanitary Landfill Grading and Ditch Improvement Plan dated June 1991 to show existing conditions upon completion of final cover.

4. Final closure report requirements
   a. Certification by DPW that closure was performed in accordance with the requirements noted in Section 2.
   b. A final survey performed by a Registered Land Surveyor or Professional Engineer showing site boundaries, final elevations, and areas that received wastes.
   c. Permeability test results performed by a certified soil laboratory on the completed clay cap.

ATTACHMENT #1
5. Two year post closure maintenance

   a. During the two years following approval of capping and closure of the landfill, DPW will maintain the landfill vegetation to facilitate inspection of the cap.

   b. All cracked, eroded, and uneven areas must be filled and reseeded and ditches maintained.

   c. During this two year period, the landfill area can not be used for any purpose.

6. Permanent restriction on landfill use

   a. The deed of the Pine Bluff Arsenal must be amended to show that the landfill area covered under permit #S-0132-R was permitted as a landfill under the Arkansas Solid Waste Management Act.

   b. Under Act 718 of the 1993 Arkansas General Assembly, it shall be unlawful for any person, partnership, company, cooperation, or other entity to build, erect, or construct any house, home, or building to be used for residential purposes on the landfill property.

7. Submission of plans and reports

   All plans and reports will be submitted by DPW to the Environmental and Natural Resources Management Directorate for compliance with any state and/or federal regulations.
A site visit was made on this date to retrieve two (2) relatively shallow tube samples for permeabilities. The first tube was taken from the south cell 165' east of the west edge in line with the power poles. The second was taken from the north cell 143' east of the west edge in line with the gate post and a Cottonwood Tree. These locations were determined by a state employee on site.