



1601 Blake Street, Suite 200
Denver, Colorado 80202
(303) 572-0200 Tel
(303) 572-0202 Fax
www.matrixenvironmentalservices.com

February 13, 2008

Mrs. Brandi Little
Governmental Hazardous Waste Branch Land Division
Alabama Department of Environmental Management
P.O. Box 301463
Montgomery, Alabama 36130-1463

SUBJECT: Annual Landfill Cap Inspection Results
Landfill 1, Parcel 78(6)
Former Fort McClellan, Anniston, Alabama

Dear Mrs. Little:

On behalf of the Anniston Calhoun County Joint Powers Authority (JPA), Matrix Environmental Services, LLC (MES) is pleased to present a copy of the complete annual landfill cap inspection results for Landfill 1 for your information. The attached report is submitted to document the JPA's compliance with the post-closure care requirements outlined in Section 8.0 of the *Final Corrective Measures Implementation Plan, Landfill 1 Parcel 78(6), Landfill 2 Parcel 79(6), Former Post Garbage Dump Parcel 126(7), Fill Area East of Reilly Airfield Parcel 227(7), and Fill Area North of Landfill 2 Parcel 230(7)*, which was submitted to the Alabama Department of Environmental Management (ADEM) in January 2008.

The attached report is submittal for informational purposes and your files. It's been a pleasure working with you and your colleagues at ADEM on this project. If you have questions, please contact me at (303) 572.0200.

Sincerely,

Matrix Environmental Services, LLC

Julie A. Carver, P.E.
Vice President

Attachment: Annual Landfill Cap Inspection Results, Landfill 1, Parcel 78(6)

C: Mr. Stephen Cobb, ADEM
Ms. Lisa Holstein, U.S. Army
Mr. Dan Cleckler, JPA
Ms. Miki Schneider, JPA
Mr. Steve Young, MES
Ms. Michelle Klomp, MES
MES Anniston Project File
MES Denver Project File



ANNUAL LANDFILL CAP INSPECTION RESULTS

Site: McClellan Landfill 1, Parcel 78(6)

Date: December 13, 2007

General Landfill Cap Conditions

1. *Observe any areas on the cover that indicate signs of subsidence (e.g., obvious visible low spots on the cover surface where significant amounts of standing water can accumulate in puddles during significant precipitation events).*

During August 2006 1,855 cubic yards of soil from the Trench Hill Borrow Area near the McClellan Industrial Landfill were placed on the northern section of Landfill 1, graded to promote positive drainage and revegetated with a native grass seed mix. This work was undertaken to correct minor ponding of water than had been observed on the northern section of Landfill 1 during heavy rainfall. On December 13, 2007, an annual post-closure care inspection of Landfill 1 was conducted. The steps undertaken to promote positive drainage in August 2006 appear to be working well; no evidence of subsidence or evidence of ponding water was observed on the cap. However, minor damage in several areas of the cap from equipment/vehicle traffic that had been present on the cap during the repair activities was noted (see Photo Log section at the end of this report). Specifically, the north central area of the cap has some minor ruts caused by a skid steer operated by Harmon Engineering and Construction (HEC). HEC will repair and reseed the damaged cap surface. Several dead trees were also identified during the annual cap inspection. HEC was directed to remove the dead trees by cutting the standing tree trunks within 2 feet of the ground surface. Trees were not uprooted.

2. *Observe any signs of erosion on the landfill cover (e.g., during windy conditions observe any evidence of dust blowing off of the cover, check for any erosion caused by stormwater runoff). Any exposed debris?*

No exposed debris was noted on the cap surface, nor was any significant erosion damage observed. Substantial, healthy vegetation growth in the area which was filled and graded in 2006 is now present.

3. *Check the condition of the vegetative cover. (e.g. check for bare spots in the vegetative cover; Note whether no vegetation has grown or whether the vegetation has died and has not been re-established, check for abnormal growth of weeds that may crowd out natural vegetation).*

A small area on the northern eastern berm of the cap requires revegetation (see Photo Log section). The area was disturbed when dead trees were removed.



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Landfill Monument Benchmark Survey

1. *Check the condition of the brass benchmark implanted on the concrete monuments; make sure that the concrete has not deteriorated around the monument foundation and that the etched mark is still visible.*

In February 2007, eight monuments were installed to mark the perimeter of Landfill 1 in the locations shown on figure 1.

Monument 1, Comments: Present and in good condition.

Monument 2, Comments: Present and in good condition.

Monument 3, Comments: Present and in good condition.

Monument 4, Comments: Present and in good condition.

Monument 5, Comments: Present and in good condition.

Monument 6, Comments: Present and in good condition.

Monument 7, Comments: Monument is rotated 180° from proper orientation. Since monument is encased in concrete, change in orientation is not feasible. However, plaque on monument is still clearly legible and serves its intended purpose.

Monument 8, Comments: Present and in good condition.

Inspected by: Peggy Llewellyn, P.E., Matrix Environmental Services

Signature: _____

[Handwritten signature: Julie Scarver for Peggy Llewellyn]

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Photo Log



Picture 1 Repairs in area damaged during monument installation.



Picture 3. Close up of repaired area.



Picture 2 Growth after area repaired from installation.



Picture 4 Looking at Monument 3.

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Picture 5. Monument 2.



Picture 6. Drainage stream showing no sediment.



Picture 7. Dead Tree Removal Area.



Picture 8. Area disturbed by tree removal activities.

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Picture 9. Overall area disturbed by tree removal.



Picture 10. Monument 8 looking up slope.

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