



Department of Energy  
Office of Legacy Management

August 13, 2007

Mr. James A. Saric, Remedial Project Director  
U.S. Environmental Protection Agency  
Region V-5HSF-5J  
77 West Jackson Boulevard  
Chicago, Illinois 60604-3590

Mr. Thomas A. Schneider  
Ohio Environmental Protection Agency  
401 East 5th Street  
Dayton, Ohio 45402

Dear Mr. Saric and Mr. Schneider:

**SUBJECT: Transmittal of the June 20, 2007 Inspection Checklist for On-Site Disposal Facility**

The purpose of this letter is to transmit the completed checklist for the June 20, 2007 inspection of the On-Site Disposal Facility (OSDF) for your review. Photographs of the disposal facility and the surrounding area were taken to accompany the inspection and are included with this report. The inspection was conducted with participation from the Ohio Environmental Protection Agency (OEPA), Tetra Tech, Geosyntec Consultants, the Ohio Department of Health, and the S.M. Stoller Corporation. The inspection was the 16th conducted on the Cell 1 Cap, the 12th conducted on the Cell 2 Cap, the 8th conducted on the Cell 3 Cap, the 7th conducted on the Cell 4 and Cell 5 Cap, the 5th conducted on the Cell 6 Cap, and the third complete inspection for the Cell 7 and 8 caps. Responses to the OEPA comments on the March 2007 OSDF inspection are also enclosed.

Establishment of the vegetative cover continues to progress very well. Cells 1 through 6 had full stands of grass, and previously-repaired areas have recovered nicely. Cells 7 and 8 were much improved from the March 2007 inspection, despite the very dry conditions the region has experienced this spring. Note that pursuant to the LMICP, cells 1, 2, and 3 were mowed and baled in May.

Erosion areas on the west side of Cell 7 and the west and south sides of Cell 8 were repaired and seeded just prior to the June 20, 2007 inspection. Germination of the seed in the repaired areas was visible during a separate walk down on June 29. Thistle had been treated with a non-selective broad leaf herbicide (2-4, D) on cell caps 2 through 6 prior to the inspection. The treatment was evident by the curling and dying of the thistle plants. Thistle on Cell 1 was treated with Plateau herbicide (which is protective of native grasses and forbs) following the inspection. Small

2597 B 3/4 Road, Grand Junction, CO 81503	<input type="checkbox"/>	3610 Collins Ferry Road, P.O. Box 880, Morgantown, WV 26507
626 Cochrans Mill Road, P.O. Box 10940, Pittsburgh, PA 15236	<input type="checkbox"/>	1000 Independence Ave., S.W., Washington, DC 20585
11025 Dover St., Suite 1000, Westminster, CO 80021	<input type="checkbox"/>	10995 Hamilton-Cleves Highway, Harrison, OH 45030
955 Mound Road, Miamisburg, OH 45342	<input type="checkbox"/>	232 Energy Way, N. Las Vegas, NV 89030

REPLY TO: Harrison Office

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Mr. Thomas A. Schneider  
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mammals have burrowed holes across Cell caps 1 through 6. Rocks and other debris were identified on most of the cell caps. Woody vegetation was identified in the rip rap drainages around the OSDF and along the toe of the cell caps. The woody vegetation has been cut or removed manually. Herbicide will be applied to the cut vegetation in late summer or early fall. The enclosed inspection checklist details where repairs and other attention are needed

A meeting was held on June 29 regarding the uneven surface that was observed on the south side of Cell 8 during the December 2006 and March 2007 inspections. The uneven surface is a result of the seedbed preparation process, when a soil stabilizer is used to break up compacted soil. Tire tracks from the stabilizer left a series of depressions at a 45-degree angle to the slope. Geosyntec Consultants re-evaluated the slope following the March 2007 inspection. It was determined that the proper course of action was to continue monitoring for erosion and make any repairs that are necessary. As stated previously, some erosion repair was needed for the west slope of Cells 7 and 8 and the south side of Cell 8. The repairs were completed just prior to the June 2007 inspection. In addition, a portion of the Cell 8 south slope that did not appear to have adequate grass germination was broadcast seeded. The south slope of Cell 8 was subsequently irrigated to promote germination. Observations of Cell 8 during the June 2007 inspection were much improved over the previous two. At the meeting on June 29, it was determined that the repairs and continued maintenance adequately address the issues.

The next OSDF Cell Cap inspection is scheduled for September 2007. If you have any questions or require any additional information, please call me at (513) 648-3148.

Sincerely,



Jane Powell,  
Fernald Site Manager  
DOE-LM-20.1

Enclosure

cc w/ enclosure:

M. Cullerton, Tetra Tech.  
M. Murphy, USEPA-V, A-18J  
J. Reising, DOE-EM  
T. Schneider, OEPA (three copies of enclosure)  
M. Shupe, HSI GeoTrans  
Project Record File FER030.1(A) (thru W. Sumner)  
Administrative Records (thru W. Sumner)

cc w/o enclosure:

J. Homer, Stoller  
F. Johnston, Stoller  
L. McHenry, Stoller

# On-Site Disposal Facility Inspection Report

## June 2007



*Stoller*  
Legacy Management Team





6319D-5376

**East Face Cell 1**



6319D-5352

**West Face Cell 1**



**North Face Cell 1**



**North Drainage (looking west)**



**East Face Cell 2**



**West Face Cell 2**



**East Face Cell 3**



**West Face Cell 3**



**East Face Cell 4**



**West Face Cell 4**



6319D-5371

**East Face Cell 5**



6319D-5357

**West Face Cell 5**



**East Face Cell 6**



**West Face Cell 6**



**East Face Cell 7**



**West Face Cell 7**



**East Face Cell 8**



**West Face Cell 8**



**South Face Cell 8**



**South Drainage (looking west)**



6319D-5368

**East Drainage Cell 7 (looking south)**



6319D-5373

**East Drainage Cell 4 (looking south)**



6319D-5377

**East Drainage Cell 1 (looking south)**



6319D-5360

**West Inner Drainage Cell 7 (looking south)**



**West Inner Drainage Cell 4 (looking south)**



**West Inner Drainage Cell 1 (looking south)**



6319D-5351

**West Outer Drainage Cell 1 (looking south)**



6319D-5362

**West Outer Drainage Cell 8 (looking north)**



**West Outer Drainage Cell 8 (looking south)**