



Department of Energy
Office of Legacy Management

April 14, 2008

Mr. Tim Fischer, Remedial Project Manager
United States Environmental Protection Agency
Region V-SR-6J
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. Fischer and Mr. Schneider:

**SUBJECT: Transmittal of the March 2008 Fernald Preserve On-Site Disposal Facility
Inspection Forms**

The purpose of this letter is to transmit the completed forms for the March 2008 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 Tetra Tech, Civil and Environmental Consultants (CEC) and the S.M. Stoller Corporation.

The March 2008 OSDF inspection is the second conducted pursuant to the revised inspection approach that was proposed as part of the draft 2008 Legacy Management and Institutional Controls Plan (LMICP). The revised approach was used first in December 2007. After receiving feedback from inspection participants, minor improvements were made for the March 2008 inspection. The revised inspection process is addressed in the 2008 LMICP (Draft Final).

The March 2008 inspection was an east/west transect walk down. Findings were recorded on the Fernald Preserve OSDF Walk-down Inspection Form and were documented on a map of the OSDF. A consolidated form and map are attached to this report. Several items identified require continued observation to determine if further actions are warranted. These findings are entered into a GPS system and are photographed (enclosed). Erosion repair that is needed will be addressed by subcontract personnel.

Findings from site inspections, OSDF inspections, and observations from Fernald Preserve personnel during day to day operations are entered into the attached Fernald Preserve Maintenance and Repair Action Items form.

2597 B 3/4 Road, Grand Junction, CO 81503

3600 Collins Ferry Road, Morgantown, WV 26505

626 Cochrans Mill Road, P.O. Box 10940, Pittsburgh, PA 15236

1000 Independence Ave., S.W., Washington, DC 20585

11025 Dover St., Suite 1000, Westminster, CO 80021

10995 Hamilton-Cleves Highway, Harrison, OH 45030

955 Mound Road, Miamisburg, OH 45342

232 Energy Way, N. Las Vegas, NV 89030

REPLY TO: Harrison Office

Mr. Tim Fischer
Mr. Tom Schneider
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The next OSDF Cell Cap inspection is scheduled for June 2008. If you have any questions or require additional information, please call me at (513) 648-3148.

Sincerely,



Jane Powell,
Fernald Site Manager
DOE-LM-20.1

Enclosures

cc w/enclosure:

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

cc w/o enclosure:

John Homer, Stoller
Frank Johnston, Stoller
Lisa McHenry, Stoller

No.	Cell/Area	Location (use map whenever possible)	GPS?	Type of Finding (see definitions back page)						Description	Photo?	Followup		
				Erosion	Settlement	Vegetation	Biointrusion	Drainage	Other			Corrected	Maint. Required	Cont. Observation
DB-5	3	West top							X	Large rock		X		
DB-6	3	West top		X						Two erosions holes about 6 feet apart		X		
DB-7	1	North, mid-slope		X						Two large rills			X	
DB-8	1	North		X									X	
DB-9	1	North		X						Mid-slope to toe			X	
DB-10	1	West face		X						Mid-slope			X	
LH-1	8	South face		X						Erosion rills and some puddling			X	
LH-2	8	South face		X						Erosion rills and some puddling			X	
LH-3	8	South face		X		X				Erosion rills and some puddling, sparse vegetation			X	
LH-4	8	South face		X						Erosion rills and some puddling			X	
LH-5	8	South face					X			Bigger than a mole hole			X	
LH-6	8	East face		X		X				Sparse vegetation, erosion, mounded soil to compact			X	
LH-7	8	West face		X						rill			X	
LH-8	8	West face		X						long rill			X	
LH-9	8	West face	Yes			X				Bare	851.jpg	X	X	

No.	Cell/Area	Location (use map whenever possible)	GPS?	Type of Finding (see definitions back page)						Description	Photo?	Followup		
				Erosion	Settlement	Vegetation	Biointrusion	Drainage	Other			Corrected	Maint. Required	Cont. Observation
LH-10	7	West face							X	Rocks		X		
LH-11	5	Top							X	Puddling in several areas				X
LH-12	5	West		X						Many small erosion rills			X	
LH-13	1	West top		X						long rill			X	
LH-14	1	West top		X						Many areas of puddling on top, scattered erosion			X	
LH-15	1	North bottom		X						large rill, large "shelf" with rills east to west			X	
LH-16	1	North bottom		X									X	
JH-1	8	West top, 6:1			X	X				Depression, bare area				X
JH-2	7	West bottom, 6:1		X						Erosion approx. 100 ft. north along toe of slope			X	
JH-3	5	East, 6:1		X					X	Erosion rill and rock			X	
JH-4	3	East, 6:1							X	Rock		X		
LM-1	8	South face		X						Minor rill, could be filled			X	
LM-2	8	West face near 7/8 boundary		X						Needs filled from flag to toe			X	
LM-3	6	Top, near cell 5 boundary							X	Rock		X		
LM-4	5	West face, down to toe		X						Erosion, little vegetation established			X	

No.	Cell/Area	Location (use map whenever possible)	GPS?	Type of Finding (see definitions back page)						Description	Photo?	Followup		
				Erosion	Settlement	Vegetation	Biointrusion	Drainage	Other			Corrected	Maint. Required	Cont. Observation
HS-10	1	West toe 6:1		X								X		
1	Perimeter	South of jute pile				X			Cedar tree			X		
2	Perimeter	Behind dumpster				X			Tree			X		
3	Perimeter	Behind dumpster				X			Tree			X		
4	Perimeter	Northeast corner				X			Tree			X		
5	Perimeter	East side of 2, 1/4 way, rocks				X			Tree			X		
6	Perimeter	East side 2, 1/2 way, rocks				X			Tree			X		
7	Perimeter	East side 2/3, rocks				X			Tree			X		
8	Perimeter	East side 3, 1/4 Fence						X	Rebar			X		
9	Perimeter	East side 3, 1/2 rocks						X	1 1/4 inch PVC pipe			X		
10	Perimeter	East side 3, 1/2 rocks				X			Tree			X		
11	Perimeter	East side 6, 1/2 fence						X	Concrete from old fence post			X		
12	Perimeter	East side 7/8 fence				X			Cottonwood tree			X		
JF1	5	Flagged in field. Marked on drawing.				X	X		Water ponding on west side of Cell 5 on 20H:1V slope. This is most likely due to lack of dense vegetation and extreme snow melt just prior to inspection.					X
JF2	5	Flagged in field. Marked on drawing.		X	X				slight erosion at south end of 10H:1V/6H:1V break on west side of cell 5.			X		

No.	Cell/Area	Location (use map whenever possible)	GPS?	Type of Finding (see definitions back page)					Description	Photo?	Followup		
				Erosion	Settlement	Vegetation	Biointrusion	Drainage			Other	Corrected	Maint. Required
JF3	5	6H: 1V Slope - West Side		X		X			Entire west side of Cell 5, 6H: 1V slope contains many small erosion rills. Densi vegetative growth is needed to stop progression of erosion.			X	
JF4	2	Middle of cell cap near the top of the 6H: 1V slope west side				X			Sparse thistle			X	
JF5	1	Flagged in field. Marked on drawing.				X	X		Water ponding on top of Cell 1. This is most likely due to lack of dense vegetation and extreme snow melt just prior to inspection. Similar to JF1.				X
JF6	South Perimeter	Three discharge pipes @ south end of OSDF						X	Sediment checked at pipe inlet: Good - no action necessary				
JF7	South Perimeter	Monitoring well south end of OSDF		X					Slight undermining of concrete pad around monitoring well. Continue to monitor.				X
JF8	South Perimeter	Control Valve House						X	Rivit downspout to Control Valve House.			X	
JF9	West Perimeter	Marked on drawing.		X					Minor erosion at end of rip rap. Rip-Rap is filling in area of minor erosion nicely.				X
JF10	West Perimeter	Marked on drawing.						X	Most Silt fence removed. Few bricks and little silt fence left.			X	
JF11	West Perimeter	Marked on drawing.		X					Erosion - greater than one foot. Be careful during repairs - Buried Pipe!			X	
JF12	West Perimeter	Marked on drawing.						X	Rutting behind Valve House No. 8			X	
JF13	West Perimeter	Marked on drawing: GIS outlet pipe.		X					Erosion greater than 1 foot occurring under and west of perimeter fence. Erosion is occurring near fence post.			X	
JF14	West Perimeter	Marked on drawing: GIS outlet pipe.		X					Erosion occurring one foot in depth at fence post.			X	
JF15	West Perimeter	Mound west of VH-6				X			Groundhog hole.			X	
JF16	West Perimeter	Downspout at northwest corner of VH-5						X	Downspout missing.			X	
JF17	West Perimeter	Mound northwest of VH-4				X			Groundhog hole.			X	

No.	Cell/Area	Location (use map whenever possible)	GPS?	Type of Finding (see definitions back page)						Description	Photo?	Followup		
				Erosion	Settlement	Vegetation	Biointrusion	Drainage	Other			Corrected	Maint. Required	Cont. Observation
JF18	West Perimeter	Along fence west of VH-3							X	Construction fencepost "debris" leaning against outside of perimeter fence.			X	
JF19	West Perimeter	Marked on drawing: GIS outlet pipe.				X		X		Woody vegetation over RCP needs killed. It is currently trimmed at ground level; deep roots could damage RCP.			X	
JF20	West Perimeter	Downspout at northwest corner of VH-2						X		Damaged Downspout			X	
JF21	West Perimeter	GIS outlet northwest of VH-2						X		GIS outlet pipe half plugged with rip rap. Flow is still good.			X	

Additional Notes:

Individual inspectors included the following:

STOLLER: John Homer, Harold Swiger, Larry Oeffner, Ken Broberg, Mary Sizemore, Lisa McHenry;

TETRA TECH: Michael Valerius;

OEPA: Donna Bohannon, Laura Hafer;

CEC: Jim Fleck



Legend

- Building
- Fernald Preserve Boundary
- Fence
- OSDF Final Cover Outline
- Road-Paved
- Road-gravel



**Fernald Preserve
OSDF (On-Site Disposal Facility)**

**March 2008 Inspection Findings
(Requiring repair or follow-up during next quarterly inspection)**

FERNALD PRESERVE MAINTENANCE AND REPAIR ACTION ITEMS

No.	Location	GPS?	Maintenance item identified	Date identified	Origin of Finding	Inspection Finding No.	Resolution	Date of resolution	Comments
1	North woodlot, just west of gravel road, at bend by Neiman's property	no	Potential campfire site at two locations	12/4/2007	December 2007quarterly field walkdown	1	Observed locations and determined that they were not campfires, but rather small piles of rotting wood - no action required	1/7/2008	
2	North woodlot, just west of culvert under gravel road, along north property line	no	Fence is down	12/4/2007	December 2007quarterly field walkdown	2	No action required	1/7/2008	The fence does not provide any security function and would have been removed but for the property owner's request. It is their responsibility to repair.
3	Various locations along north fenceline	no	Some "No Trespassing" signs are damaged or down	12/4/2007	December 2007quarterly field walkdown	3			Developing new sign locations and installation technique
4	Eco Park	no	Trash dumped	12/4/2007	December 2007quarterly field walkdown	4	Cleared trash and notified authorities. Additional cinder blocks removed following rad survey.	1/7/2008	Original pile of trash (i.e. shingles) was removed and authorities contacted on 12/5/07.
5	Oxbow Area, in sycamore tree	no	Old broken jar - possibly lab bottle	12/4/2007	December 2007quarterly field walkdown	5	Free released per rad survey - disposed of jar	1/7/2008	
6	Old North Access Road	no	Bolt lying in road	12/4/2007	December 2007quarterly field walkdown	6	Free released per rad survey - disposed of bolt	1/7/2008	
7	A6PI, north of chain link fence, inside deer fence	no	Large roll of barbed wire	12/4/2007	December 2007quarterly field walkdown	7			Unable to locate
8	A6PI, inside deer fence	no	Deer cages need to be removed	12/4/2007	December 2007quarterly field walkdown	8	Cages removed	2/8/2008	
9	North woodlot, along south road	no	Big hole present	12/4/2007	December 2007quarterly field walkdown	9	Hole filled	2/6/2008	
10	North woodlot, east side by road	no	Pull old fence	12/4/2007	December 2007quarterly field walkdown	10			Unable to locate
11	North woodlot deer fence	no	Tree down across deer fence - fence needs repair on east side as well	12/4/2007	December 2007quarterly field walkdown	11	Removed tree and repaired fence	1/22/2008	
12	North woodlot, along south road	no	Construction fencing, silt fence, and yellow iron plate present	12/4/2007	December 2007quarterly field walkdown	12	Iron plate free released per rad survey - disposed of all materials	1/7/2008	
13	Paddys Run west, in trees by road	no	Two bricks	12/4/2007	December 2007quarterly field walkdown	13	Free released per rad survey - kept bricks because they look very old	1/7/2008	
14	Paddys Run west, at stand of trees north of substation	no	Piece of brick	12/4/2007	December 2007quarterly field walkdown	14	Free released per rad survey - disposed of brick	1/7/2008	
15	North of Ecological Restoration Park	no	Bird box down	12/4/2007	December 2007quarterly field walkdown	15	Removed box and post from field	2/6/2008	Need to evaluate best location for relocating boxes statewide.
16	North woodlot, south of Neiman's barn	no	Brick	12/4/2007	December 2007quarterly field walkdown	16	Free released per rad survey - disposed of brick	1/7/2008	
17	A6PI chain link fence	no	Take down "No Trespassing" signs	12/4/2007	December 2007quarterly field walkdown	17	Removed signs	1/22/2008	
18	Paddys Run west, south of prairie area	no	Roll of welded wire fence	12/4/2007	December 2007quarterly field walkdown	18			Unable to locate
19	Fence line along Willey Road	no	"No Trespassing" sign down	12/4/2007	December 2007quarterly field walkdown	19			Developing new sign locations and installation technique

No.	Location	GPS?	Maintenance item identified	Date identified	Origin of Finding	Inspection Finding No.	Resolution	Date of resolution	Comments
20	North woodlot	no	Deer stand discovered in tree	12/4/2007	December 2007 quarterly field walkdown	20	Notified Butler County Wildlife Officer, who instructed to keep stand in place for monitoring		After several weeks of inactivity, the Wildlife Officer was notified and the stand was removed
21	Forest Demo Project	no	Tree tubes need to be removed	12/4/2007	December 2007 quarterly field walkdown	21			Need to evaluate whether the tubes should be removed, left on, or replaced with welded wire cages.
22	OSDF cell 5	no	Groundhog hole needs to be filled	12/19/2007	December 2007 quarterly OSDF inspection	MV-1	Filled hole with existing soil	2/6/2008	
23	OSDF cell 6	no	Groundhog hole needs to be filled	12/19/2007	December 2007 quarterly OSDF inspection	MV-2	Filled hole with existing soil	1/18/2008	
24	OSDF Cell 1	no	Buried rock too large to pick up	12/19/2007	December 2007 quarterly OSDF inspection	KP-1	Removed rock and filled hole with existing soil	2/6/2008	
25	OSDF Cell 1	no	Canada thistle presence	12/19/2007	December 2007 quarterly OSDF inspection	GL-1			Included in SOW for herbicide subcontractor. Planned for spring application.
26	OSDF Cell 5	no	Canada thistle presence	12/19/2007	December 2007 quarterly OSDF inspection	GL-2			Included in SOW for herbicide subcontractor. Planned for spring application.
26	OSDF cell 8	no	Erosion rill	12/19/2007	December 2007 quarterly OSDF inspection	GL-3		2/6/2008	Erosion rill is currently stable (grass is present in the rill). Continue to observe. If repairs needed, they'll be conducted in the spring.
27	OSDF cell 8	no	Erosion under matting	12/19/2007	December 2007 quarterly OSDF inspection	JW-3			Continue to monitor until repairs can be made in the spring.
28	OSDF cell 8	no	Erosion under matting	12/19/2007	December 2007 quarterly OSDF inspection	JW-4			Continue to monitor until repairs can be made in the spring.
29	OSDF cell 7	no	Groundhog hole needs to be filled	12/19/2007	December 2007 quarterly OSDF inspection	JW-5	Filled hole with existing soil	1/18/2008	
30	OSDF cell 5 - 6	yes	Sparse vegetation	12/19/2007	December 2007 quarterly OSDF inspection	HB-1			Evaluate need for re-seeding/interseeding in spring.
31	OSDF cell 8	yes	Sparse vegetation	12/19/2007	December 2007 quarterly OSDF inspection	HB-2			Evaluate need for re-seeding/interseeding in spring.
32	OSDF cell 7 - 8	yes	Sparse vegetation	12/19/2007	December 2007 quarterly OSDF inspection	HB-3			Evaluate need for re-seeding/interseeding in spring.
33	OSDF cell 6	no	Multiple animal burrows	12/19/2007	December 2007 quarterly OSDF inspection	HB-4	Filled hole with existing soil	1/18/2008	
34	OSDF cell 1	no	Sparse vegetation	12/19/2007	December 2007 quarterly OSDF inspection	HB-5			Herbicide application affected cool season grasses reseeded in Oct. 2007. Evaluate establishment in spring.
35	OSDF cell 5 - 6	yes	Sparse vegetation	12/19/2007	December 2007 quarterly OSDF inspection	JH-1			Evaluate need for re-seeding/interseeding in spring.
36	OSDF cell 8	yes	Sparse vegetation	12/19/2007	December 2007 quarterly OSDF inspection	JH-2			Evaluate need for re-seeding/interseeding in spring.
37	OSDF cell 8	yes	Depression	12/19/2007	December 2007 quarterly OSDF inspection	JH-3			Observe during next quarterly inspection.

No.	Location	GPS?	Maintenance item identified	Date identified	Origin of Finding	Inspection Finding No.	Resolution	Date of resolution	Comments
38	OSDF cell 7	no	Animal burrow	12/19/2007	December 2007 quarterly OSDF inspection	JH-4	Filled hole with existing soil	1/18/2008	
39	OSDF cell 2	no	Canada thistle prescence	12/19/2007	December 2007 quarterly OSDF inspection	JH-5			Included in SOW for herbicide subcontractor. Planned for spring application.
40	OSDF cell 1 - east face	yes	Depression on corner	12/19/2007	December 2007 quarterly OSDF inspection	JH-6			Observe during next quarterly inspection.
41	OSDF cell 7	yes	Two foot diameter area 6 inches deep localized settlement.	12/19/2007	December 2007 quarterly OSDF inspection	1			Observe during next quarterly inspection.
42	OSDF cell 8	yes	Sparse vegetation	12/19/2007	December 2007 quarterly OSDF inspection	2			Observe during next quarterly inspection.
43	OSDF cell 7	no	Groundhog hole needs to be filled	12/19/2007	December 2007 quarterly OSDF inspection	3	Filled hole with existing soil	1/18/2008	
44	OSDF cell 4	no	Canada thistle prescence	12/19/2007	December 2007 quarterly OSDF inspection	4			Included in SOW for herbicide subcontractor. Planned for spring application.
45	OSDF cell 4	no	Groundhog hole needs to be filled	12/19/2007	December 2007 quarterly OSDF inspection	5	Filled hole with existing soil	1/18/2008	
46	OSDF east perimeter	no	Woody vegetation east side of drainage channel 3-foot red leaved tree	12/19/2007	December 2007 quarterly OSDF inspection	6			Included in SOW for herbicide subcontractor. Planned for spring application.
47	OSDF east perimeter	no	Erosion around one fence post concrete base	12/19/2007	December 2007 quarterly OSDF inspection	7			Posts are stable - no signs of active erosion. Will continue to observe.
48	OSDF east perimeter	no	Erosion around approx. 12 fence post concrete bases. Bases sitting on a ridge between road ditch and swale.	12/19/2007	December 2007 quarterly OSDF inspection	8			Posts are stable - no signs of active erosion. Will continue to observe.
49	OSDF east perimeter	no	Erosion around one fence post concrete base	12/19/2007	December 2007 quarterly OSDF inspection	9			Posts are stable - no signs of active erosion. Will continue to observe.
50	OSDF east perimeter	no	Erosion around one fence post concrete base	12/19/2007	December 2007 quarterly OSDF inspection	10			Posts are stable - no signs of active erosion. Will continue to observe.
51	OSDF east perimeter	no	Canada thistle prescence	12/19/2007	December 2007 quarterly OSDF inspection	11			Included in SOW for herbicide subcontractor. Planned for spring application.
52	OSDF south perimeter - drainage discharge pipes	no	Evaluation of sediment buildup	12/19/2007	December 2007 quarterly OSDF inspection	12	No action required - continue observation	12/19/2007	Sediment measured at pipe inlet: west-3 inches, middle-4 inches, east-1 inch. Good - no action necessary
53	OSDF west perimeter	no	Minor erosion	12/19/2007	December 2007 quarterly OSDF inspection	13	No action required - continue observation		Observe during next quarterly inspection.
54	OSDF west perimeter	no	Remove silt fence	12/19/2007	December 2007 quarterly OSDF inspection	14	In progress		Removal delayed by weather - either too muddy or frozen.
55	OSDF west perimeter	no	Erosion repair required	12/19/2007	December 2007 quarterly OSDF inspection	15			Continue to monitor until repairs can be made. Plan to include with culvert repair/west drainage repairs scheduled for this summer.
56	OSDF west perimeter	no	Rutting repair required	12/19/2007	December 2007 quarterly OSDF inspection	16			Continue to monitor until repairs can be made. Plan to include with culvert repair/west drainage repairs scheduled for this summer.

No.	Location	GPS?	Maintenance item identified	Date identified	Origin of Finding	Inspection Finding No.	Resolution	Date of resolution	Comments
57	OSDF west perimeter	no	Debris present (steel straps)	12/19/2007	December 2007 quarterly OSDF inspection	17	Removed from field	2/8/2008	
58	OSDF west perimeter	no	Erosion greater than 1 foot occurring under and west of perimeter fence. Erosion is occurring near fence post.	12/19/2007	December 2007 quarterly OSDF inspection	18			Continue to monitor until repairs can be made. Plan to include with culvert repair/west drainage repairs scheduled for this summer.
59	OSDF west perimeter	no	Erosion occurring one foot in depth at fence post.	12/19/2007	December 2007 quarterly OSDF inspection	19			Continue to monitor until repairs can be made. Plan to include with culvert repair/west drainage repairs scheduled for this summer.
60	OSDF west perimeter	no	Woody vegetation over Reinforced Concrete Pipe needs killed. It is currently trimmed at ground level.	12/19/2007	December 2007 quarterly OSDF inspection	20			Plan to include in spring herbicide applications.
61	OSDF west perimeter	no	Damaged Downspout	12/19/2007	December 2007 quarterly OSDF inspection	21			CAWWT personnel will address.
62	OSDF cell 7	yes	Localized depression due to small erosion rills. Add. soil not req., but overseed to prevent additional loss of topsoil.	12/19/2007	December 2007 quarterly OSDF inspection	22			Additional soil is not required, however, the area should be overseeded to prevent additional loss of topsoil. Observe during next quarterly inspection.
63	Eco Park	no	"Authorized Vehicles Only" sign partially down	12/28/2007	December 2007 quarterly Point-Specific IC inspection	na	Re-hung sign with plastic zip tie	1/7/2008	
64	Former rail line footprint, by road	no	One wooden post knocked down by vehicle	12/31/2007	December 2007 quarterly Point-Specific IC inspection	na			Posts were installed to prevent vehicle crossing following consultation with ODOT. Discussing additional options with them.
65	Access point V1	no	Sign down	1/15/2008	December 2007 quarterly Point-Specific IC inspection	na	Re-hung sign with metal wire	1/15/2008	
66	Various locations along site perimeter	no	Signs down	12/28/2007	December 2007 quarterly Point-Specific IC inspection	na			See Item No. 1 above.
67	60-in. culvert, north side	no	Small amount of brush in front of grate	1/15/2008	December 2007 quarterly Point-Specific IC inspection	na			Flow is not impeded at this time.
68	OSDF Cell 1, west, north and east sides	no	erosion rills developing	2/7/2008	casual observation	na			
69	SWU middle deer exposure fence	no	south face of fence is sagging	2/29/2008	casual observation	na			
70	east fence line near S61	no	woven wire fence down (about 10 ft.)	3/3/2008	casual observation	na			
71	Eco Park	no	honeysuckle establishing south of entrance	3/5/2008	March 2008 quarterly Point-Specific IC inspection	na			
72	Forest Demo Project	no	honeysuckle and some trash around entrance	3/5/2008	March 2008 quarterly Point-Specific IC inspection	na			
73	Crossing for Knollman extraction well access (Access Point V2)	no	Rutting repair required	3/5/2008	March 2008 quarterly Point-Specific IC inspection	na			
74	Access point V6	no	vehicle tracks north of gate	3/5/2008	March 2008 quarterly Point-Specific IC inspection	na	no action required - continue observation	3/18/2008	
75	Access Point V7	no	brush clearing needed north of gate	3/5/2008	March 2008 quarterly Point-Specific IC inspection	na			

No.	Location	GPS?	Maintenance item identified	Date identified	Origin of Finding	Inspection Finding No.	Resolution	Date of resolution	Comments
76	MDC 60-in. culvert	no	grate on upstream side is blocked by brush, and flow is partially hindered.	3/5/2008	March 2008 quarterly Point-Specific IC inspection	na	Brush was cleared from the grate	3/17/2008	Brush cleared again following heavy rains on 3/19 - 3/20. Green sunfish discovered lodged in debris.
77	North Access Road on south/east side of OSDF	no	Integrity of road is in danger through potholes and developing ruts. Some deep potholes could damage suspension	3/5/2008	March 2008 quarterly Point-Specific IC inspection	na	Repairs are in process		
78	former EPL pond, north of Com Center building	no	remove support cables from trees	3/13/2008	March 2008 quarterly field walkdown	1			
79	former EPL/6E area	no	ruts and felt present, sparse vegetation	3/13/2008	March 2008 quarterly field walkdown	2			
80	drainage south of 4A	no	erosion rill into drainage ditch	3/13/2008	March 2008 quarterly field walkdown	3			
81	4A	no	remove fencing around pond	3/13/2008	March 2008 quarterly field walkdown	4			
82	3A	no	Tire tracks north/south through field	3/13/2008	March 2008 quarterly field walkdown	5			
83	3A	no	Wooden stakes for cages need replaced	3/13/2008	March 2008 quarterly field walkdown	6			
84	East of SP-7	no	Side cutting erosion (NOTE: debris)	3/13/2008	March 2008 quarterly field walkdown	7			
85	SP-7	no	Area rutted, sparse vegetation, rock	3/13/2008	March 2008 quarterly field walkdown	8			
86	South of SP-7	no	Erosion on slope, sparse vegetation, felt, rock	3/13/2008	March 2008 quarterly field walkdown	9			
87	3B-Edge of Pond	no	Wood stakes need replaced	3/13/2008	March 2008 quarterly field walkdown	10			
88	3B-Edge of Pond	no	Old plug cups need removed	3/13/2008	March 2008 quarterly field walkdown	11			
89	West side 4B-Pond	no	Erosion into pond	3/13/2008	March 2008 quarterly field walkdown	12			
90	Outfall from former Lime Sludge Pond	no	Erosion (side cutting)	3/13/2008	March 2008 quarterly field walkdown	13			
91	East of CAWWT, south bank of pond	no	Erosion into Swan Lake	3/13/2008	March 2008 quarterly field walkdown	14			
92	Northeast of CAWWT	no	Sparse vegetation	3/13/2008	March 2008 quarterly field walkdown	15			
93	Main Drainage Corridor	no	Erosion	3/13/2008	March 2008 quarterly field walkdown	16			
94	Five Oaks Basin	no	Wooden stake needs picked up	3/13/2008	March 2008 quarterly field walkdown	17			
95	Five Oaks Basin	no	Wood needs picked up	3/13/2008	March 2008 quarterly field walkdown	18			

No.	Location	GPS?	Maintenance item identified	Date identified	Origin of Finding	Inspection Finding No.	Resolution	Date of resolution	Comments
96	MDC - North end of 60" culvert	no	Debris accumulating at culvert	3/13/2008	March 2008 quarterly field walkdown	19			
97	Southeast of Angel Pond	no	Erosion (exposing debris)	3/13/2008	March 2008 quarterly field walkdown	20			
98	Northeast of Angel Pond	no	Seep starting (Note: this is south of seep previously identified in same area)	3/13/2008	March 2008 quarterly field walkdown	21			
99	Southwest of Swan Lake	no	Erosion	3/13/2008	March 2008 quarterly field walkdown	22			
100	Southwest of Angel Pond	no	Wooden stakes need picked up	3/13/2008	March 2008 quarterly field walkdown	23			
101	3A	no	Sparse vegetation	3/13/2008	March 2008 quarterly field walkdown	24			
102	4A-West	no	Balloon in drainage	3/13/2008	March 2008 quarterly field walkdown	25			
103	Drainage above clearwell	no	Erosion repair needed	3/13/2008	March 2008 quarterly field walkdown	26			
104	Burn pit into pit 3	no	Erosion rill	3/13/2008	March 2008 quarterly field walkdown	27			
105	Mat areas into pit 3	no	Erosion rills - side cutting	3/13/2008	March 2008 quarterly field walkdown	28			
106	North bank of pit 3	no	Erosion rill	3/13/2008	March 2008 quarterly field walkdown	29			
107	West end of pit 5	no	Erosion, rocks, felt, sparse vegetation	3/13/2008	March 2008 quarterly field walkdown	30			
108	North bank of pit 5	no	Erosion, sparse vegetation	3/13/2008	March 2008 quarterly field walkdown	31			
109	East end Pit 5	no	Erosion, felt, sparse vegetation	3/13/2008	March 2008 quarterly field walkdown	32			
110	Southwest pit 6	no	Thistle species rosettes	3/13/2008	March 2008 quarterly field walkdown	33			
111	Along path	no	Sparse vegetation, lots of felt	3/13/2008	March 2008 quarterly field walkdown	34			
112	Along path	no	Poison Hemlock	3/13/2008	March 2008 quarterly field walkdown	35			
113	Crosby Ponds	no	Erosion	3/13/2008	March 2008 quarterly field walkdown	36			
114	Silo rail "Y" - Solid Waste Landfill	no	Erosion	3/13/2008	March 2008 quarterly field walkdown	37			

No.	Location	GPS?	Maintenance item identified	Date identified	Origin of Finding	Inspection Finding No.	Resolution	Date of resolution	Comments
115	Crosby Ponds	no	Erosion into basin	3/13/2008	March 2008 quarterly field walkdown	38			
116	Silo rail "Y" - Solid Waste Landfill	no	Erosion into basin	3/13/2008	March 2008 quarterly field walkdown	39			
117	Main Drainage Corridor	no	Culvert blocked with vegetation	3/13/2008	March 2008 quarterly field walkdown	40			
118	Owens Pond - Solid Waste Landfill	no	Erosion into basin	3/13/2008	March 2008 quarterly field walkdown	41			
119	Along east/west drain south of A6PI	no	Large pile of railroad timbers	3/13/2008	March 2008 quarterly field walkdown	42			
120	Bio-surge lagoon/bio-wetland	no	Erosion	3/13/2008	March 2008 quarterly field walkdown	43			
121	Pit 3	no	Overflow eroding	3/13/2008	March 2008 quarterly field walkdown	44			
122	Pit 3	no	Tree cage and t-post down	3/13/2008	March 2008 quarterly field walkdown	45			
123	Northeast of Pit 6	no	Erosion	3/13/2008	March 2008 quarterly field walkdown	46			
124	East Parking Lot	no	Erosion	3/13/2008	March 2008 quarterly field walkdown	47			
125	West side of Main Drainage Corridor	no	Erosion	3/13/2008	March 2008 quarterly field walkdown	48			
126	North side of Union Pond	no	Erosion	3/13/2008	March 2008 quarterly field walkdown	49			
127	Northeast of CAWWT	no	Erosion	3/13/2008	March 2008 quarterly field walkdown	50			
128	A6PI Wetlands, Basin 1	no	culvert may be blocked with vegetation	3/18/2008	casual observation	na			
129	MDC, 60-in. culvert	no	downstream culvert grate detached and downstream about 20 ft.	3/20/2008	walkdown following rain	na	All debris cleared and grate re-attached with appropriate hardware	3/25/2008	
130	MDC, 60-in. culvert	no	ground above culvert has some sink holes developing on south side	3/20/2008	walkdown following rain	na			
131	Cell 3		Brick	3/12/2008	Quartely OSDF cap inspection	LO-1	Removed brick	4/7/2008	
132	Cell 2		Metal, similar to rebar	3/12/2008	Quartely OSDF cap inspection	LO-2			
133	South face - Cell 8		Erosion, a lot of rills	3/12/2008	Quartely OSDF cap inspection	MS-1			Erosion repair on the OSDF will be handled under the BOA construction subcontract.

No.	Location	GPS?	Maintenance item identified	Date identified	Origin of Finding	Inspection Finding No.	Resolution	Date of resolution	Comments
134	East face - Cell 8		Hole	3/12/2008	Quartely OSDF cap inspection	MS-2	Filled hole	4/7/2008	
135	West face - Cell 7		Animal digging	3/12/2008	Quartely OSDF cap inspection	MS-3	Filled holes	4/2/2008	
136	East face - Cell 6		Rock	3/12/2008	Quartely OSDF cap inspection	MS-4	Removed rock	4/7/2008	
137	East face - Cell 3		Several rills	3/12/2008	Quartely OSDF cap inspection	MS-5			Erosion repair on the OSDF will be handled under the BOA construction subcontract.
138	West face - Cell 3		A lot of rocks	3/12/2008	Quartely OSDF cap inspection	MS-6	Removed rocks	4/2/2008	
139	West face - Cell 8		Erosion	3/12/2008	Quartely OSDF cap inspection	DB-1			Erosion repair on the OSDF will be handled under the BOA construction subcontract.
140	West face - Cell 8		Large rock	3/12/2008	Quartely OSDF cap inspection	DB-2	Removed rock	4/2/2008	
141	East face - Cell 8		Biointrusion	3/12/2008	Quartely OSDF cap inspection	DB-3	Filled holes	4/7/2008	
142	West face at cell7/8 boundary		Erosion	3/12/2008	Quartely OSDF cap inspection	DB-4			Erosion repair on the OSDF will be handled under the BOA construction subcontract.
143	West top - Cell 3		Large rock	3/12/2008	Quartely OSDF cap inspection	DB-5	Rock removed	4/2/2008	
144	West top - Cell 3		Two erosions holes about 6 feet apart	3/12/2008	Quartely OSDF cap inspection	DB-6	Filled hole with existing soil	4/2/2008	
145	North, mid-slope - Cell 1		Two large rills	3/12/2008	Quartely OSDF cap inspection	DB-7			Erosion repair on the OSDF will be handled under the BOA construction subcontract.
146	North - Cell 1		Erosion	3/12/2008	Quartely OSDF cap inspection	DB-8			Erosion repair on the OSDF will be handled under the BOA construction subcontract.
147	North - Cell 1		Mid-slope to toe	3/12/2008	Quartely OSDF cap inspection	DB-9			Erosion repair on the OSDF will be handled under the BOA construction subcontract.
148	West face - Cell 1		Mid-slope	3/12/2008	Quartely OSDF cap inspection	DB-10			Erosion repair on the OSDF will be handled under the BOA construction subcontract.
149	South face - Cell 8		Erosion rills and some puddling	3/12/2008	Quartely OSDF cap inspection	LH-1			Erosion repair on the OSDF will be handled under the BOA construction subcontract.
150	South face - Cell 8		Erosion rills and some puddling	3/12/2008	Quartely OSDF cap inspection	LH-2			Erosion repair on the OSDF will be handled under the BOA construction subcontract.
151	South face - Cell 8		Erosion rills and some puddling, sparse vegetation	3/12/2008	Quartely OSDF cap inspection	LH-3			Erosion repair on the OSDF will be handled under the BOA construction subcontract.
152	South face - Cell 8		Erosion rills and some puddling	3/12/2008	Quartely OSDF cap inspection	LH-4			Erosion repair on the OSDF will be handled under the BOA construction subcontract.

No.	Location	GPS?	Maintenance item identified	Date identified	Origin of Finding	Inspection Finding No.	Resolution	Date of resolution	Comments
153	South face - Cell 8		Bigger than a mole hole	3/12/2008	Quartely OSDF cap inspection	LH-5			
154	East face - Cell 8		Sparse vegetation, erosion, mounded soil to compact	3/12/2008	Quartely OSDF cap inspection	LH-6			Erosion repair on the OSDF will be handled under the BOA construction subcontract.
155	West face		rill	3/12/2008	Quartely OSDF cap inspection	LH-7			Erosion repair on the OSDF will be handled under the BOA construction subcontract.
156	West face - Cell 8		long rill	3/12/2008	Quartely OSDF cap inspection	LH-8			Erosion repair on the OSDF will be handled under the BOA construction subcontract.
157	West face - Cell 8		Bare	3/12/2008	Quartely OSDF cap inspection	LH-9			
158	West face - Cell 7		Rocks	3/12/2008	Quartely OSDF cap inspection	LH-10	Rocks removed	4/2/2008	
159	Top - Cell 5		Puddling in several areas	3/12/2008	Quartely OSDF cap inspection	LH-11			
160	West - Cell 5		Many small erosion rills	3/12/2008	Quartely OSDF cap inspection	LH-12			Erosion repair on the OSDF will be handled under the BOA construction subcontract.
161	West top - Cell 1		long rill	3/12/2008	Quartely OSDF cap inspection	LH-13			Erosion repair on the OSDF will be handled under the BOA construction subcontract.
162	West top - Cell 1		Many areas of puddling on top, scattered erosion	3/12/2008	Quartely OSDF cap inspection	LH-14			Erosion repair on the OSDF will be handled under the BOA construction subcontract.
163	North bottom - Cell 1		large rill, large "shelf" with rills east to west	3/12/2008	Quartely OSDF cap inspection	LH-15			Erosion repair on the OSDF will be handled under the BOA construction subcontract.
164	North bottom - Cell 1		Erosion	3/12/2008	Quartely OSDF cap inspection	LH-16			Erosion repair on the OSDF will be handled under the BOA construction subcontract.
165	West top, 6:1 - Cell 8		Depression, bare area	3/12/2008	Quartely OSDF cap inspection	JH-1			
166	West bottom, 6:1 - Cell 7		Erosion approx. 100 ft. north along toe of slope	3/12/2008	Quartely OSDF cap inspection	JH-2			Erosion repair on the OSDF will be handled under the BOA construction subcontract.
167	East, 6:1 - Cell 5		Erosion rill and rock	3/12/2008	Quartely OSDF cap inspection	JH-3			Erosion repair on the OSDF will be handled under the BOA construction subcontract.
168	East, 6:1 - Cell 3		Rock	3/12/2008	Quartely OSDF cap inspection	JH-4	Rock removed	4/2/2008	
169	South face - Cell 8		Minor rill, could be filled	3/12/2008	Quartely OSDF cap inspection	LM-1			Erosion repair on the OSDF will be handled under the BOA construction subcontract.
170	West face near 7/8 boundary		Needs filled from flag to toe	3/12/2008	Quartely OSDF cap inspection	LM-2			Erosion repair on the OSDF will be handled under the BOA construction subcontract.
171	Top, near cell 5 boundary		Rock	3/12/2008	Quartely OSDF cap inspection	LM-3	Rock removed	4/2/2008	

No.	Location	GPS?	Maintenance item identified	Date identified	Origin of Finding	Inspection Finding No.	Resolution	Date of resolution	Comments
172	West face, down to toe - Cell 5		Erosion, little vegetation established	3/12/2008	Quartely OSDF cap inspection	LM-4			Erosion repair on the OSDF will be handled under the BOA construction subcontract.
173	West face, 6:1 - Cell 3		Rocks	3/12/2008	Quartely OSDF cap inspection	LM-5	Rocks removed	4/2/2008	
174	North face at toe - Cell 1		Rock	3/12/2008	Quartely OSDF cap inspection	LM-6	Rocks removed	3/26/2008	
175	North face at toe - Cell 1		Erosion just east of mid-point of face	3/12/2008	Quartely OSDF cap inspection	LM-7			Erosion repair on the OSDF will be handled under the BOA construction subcontract.
176	North face at toe - Cell 1		Erosion at midpoint	3/12/2008	Quartely OSDF cap inspection	LM-8			Erosion repair on the OSDF will be handled under the BOA construction subcontract.
177	North face at toe - Cell 1		Erosion just west of mid-point of face	3/12/2008	Quartely OSDF cap inspection	LM-9			Erosion repair on the OSDF will be handled under the BOA construction subcontract.
178	North face at toe - Cell 1		Erosion at toe, west end of north face	3/12/2008	Quartely OSDF cap inspection	LM-10			Erosion repair on the OSDF will be handled under the BOA construction subcontract.
179	West toe 6:1 - Cell 8		Erosion	3/12/2008	Quartely OSDF cap inspection	HS-1			Erosion repair on the OSDF will be handled under the BOA construction subcontract.
180	East 10:1 - Cell 8		Piece of concrete	3/12/2008	Quartely OSDF cap inspection	HS-2			Concrete needs surveyed.
181	West 10:1 - Cell 8		Erosion	3/12/2008	Quartely OSDF cap inspection	HS-3			Erosion repair on the OSDF will be handled under the BOA construction subcontract.
182	East side by road - Cell 2		Piece of asphalt	3/12/2008	Quartely OSDF cap inspection	HS-4			Asphalt needs surveyed.
183	East bottom of slope - Cell 1		Erosion	3/12/2008	Quartely OSDF cap inspection	HS-5			Erosion repair on the OSDF will be handled under the BOA construction subcontract.
184	East bottom of slope - Cell 1		Erosion	3/12/2008	Quartely OSDF cap inspection	HS-6			Erosion repair on the OSDF will be handled under the BOA construction subcontract.
185	West peak 6:1 - Cell 1		Biointrusion	3/12/2008	Quartely OSDF cap inspection	HS-7			Continue observation in June
186	West top 6:1 - Cell 1		Erosion	3/12/2008	Quartely OSDF cap inspection	HS-8			Erosion repair on the OSDF will be handled under the BOA construction subcontract.
187	West middle 6:1 - Cell 1		Erosion	3/12/2008	Quartely OSDF cap inspection	HS-9			Erosion repair on the OSDF will be handled under the BOA construction subcontract.
188	West toe 6:1 - Cell 1		Erosion	3/12/2008	Quartely OSDF cap inspection	HS-10			Erosion repair on the OSDF will be handled under the BOA construction subcontract.
189	South of jute pile - Perimeter		Cedar tree	3/12/2008	Quartely OSDF cap inspection	1			
190	Behind dumpster - Perimeter		Tree	3/12/2008	Quartely OSDF cap inspection	2			

No.	Location	GPS?	Maintenance item identified	Date identified	Origin of Finding	Inspection Finding No.	Resolution	Date of resolution	Comments
191	Behind dumpster - Perimeter		Tree	3/12/2008	Quartely OSDF cap inspection	3			
192	Northeast corner - Perimeter		Tree	3/12/2008	Quartely OSDF cap inspection	4			
193	East side of 2, 1/4 way, rocks - Perimeter		Tree	3/12/2008	Quartely OSDF cap inspection	5			
194	East side 2, 1/2 way, rocks - Perimeter		Tree	3/12/2008	Quartely OSDF cap inspection	6			
195	East side 2/3, rocks - Perimeter		Tree	3/12/2008	Quartely OSDF cap inspection	7			
196	East side 3, 1/4 Fence - Perimeter		Rebar	3/12/2008	Quartely OSDF cap inspection	8			
197	East side 3, 1/2 rocks - Perimeter		1 1/4 inch PVC pipe	3/12/2008	Quartely OSDF cap inspection	9			
198	East side 3, 1/2 rocks - Perimeter		Tree	3/12/2008	Quartely OSDF cap inspection	10			
199	East side 6, 1/2 fence - Perimeter		Concrete from old fence post	3/12/2008	Quartely OSDF cap inspection	11			
200	East side 7/8 fence - Perimeter		Cottonwood tree	3/12/2008	Quartely OSDF cap inspection	12			
201	Flagged in field. Marked on drawing. - Cell 5		Water ponding on west side of Cell 5 on 20H:1V slope. This is most likely due to lack of dense vegetation and extreme snow melt just prior to inspection.	3/12/2008	Quartely OSDF cap inspection	JF1			
202	Flagged in field. Marked on drawing. - Cell 5		slight erosion at south end of 10H:1V/6H:1V break on west side of cell 5.	3/12/2008	Quartely OSDF cap inspection	JF2			
203	6H:1V Slope - Cell 5		Entire west side of Cell 5, 6H:1V slope contains many small erosion rills. Densi vegetative growth is needed to stop progression of erosion.	3/12/2008	Quartely OSDF cap inspection	JF3			
204	Middle of cell cap near the top of the 6H:1V slope west side - Cell 2		Sparse thistle	3/12/2008	Quartely OSDF cap inspection	JF4			
205	Flagged in field. Marked on drawing. - Cell 1		Water ponding on top of Cell 1. This is most likely due to lack of dense vegetation and extreme snow melt just prior to inspection. Similar to JF1.	3/12/2008	Quartely OSDF cap inspection	JF5			
206	Three discharge pipes @ south end of OSDF - South perimeter		Sediment checked at pipe inlet: Good - no action necessary	3/12/2008	Quartely OSDF cap inspection	JF6			
207	Monitoring well south end of OSDF - South perimeter		Slight undermining of concrete pad around monitoring well. Continue to monitor.	3/12/2008	Quartely OSDF cap inspection	JF7			
208	Control Valve House - South perimeter		Rivit downspout to Control Valve House.	3/12/2008	Quartely OSDF cap inspection	JF8			
209	Marked on drawing - West perimeter		Minor erosion at end of rip rap. Rip-Rap is filling in area of minor erosion nicely.	3/12/2008	Quartely OSDF cap inspection	JF9			

No.	Location	GPS?	Maintenance item identified	Date identified	Origin of Finding	Inspection Finding No.	Resolution	Date of resolution	Comments
210	Marked on drawing. - West Perimeter		Most Silt fence removed. Few bricks and little silt fence left.	3/12/2008	Quartely OSDF cap inspection	JF10			
211	Marked on drawing. - West Perimeter		Erosion - greater than one foot. Be careful during repairs - Buried Pipe!	3/12/2008	Quartely OSDF cap inspection	JF11			
212	Marked on drawing. - West Perimeter		Rutting behind Valve House No. 8	3/12/2008	Quartely OSDF cap inspection	JF12			
213	Marked on drawing: GIS outlet pipe. - West Perimeter		Erosion greater than 1 foot occuring under and west of perimeter fence. Erosion is occuring near fence post.	3/12/2008	Quartely OSDF cap inspection	JF13			
214	Marked on drawing: GIS outlet pipe. - West Perimeter		Erosion occuring one foot in depth at fence post.	3/12/2008	Quartely OSDF cap inspection	JF14			
215	Mound west of VH-6 - West perimeter		Groundhog hole.	3/12/2008	Quartely OSDF cap inspection	JF15			
216	Downspout at northwest corner of VH-5 - West perimeter		Downspout missing.	3/12/2008	Quartely OSDF cap inspection	JF16			
217	Mound northwest of VH-4 - West perimeter		Groundhog hole.	3/12/2008	Quartely OSDF cap inspection	JF17			
218	Along fence west of VH-3 - West perimeter		Construction fencepost "debris" leaning against outside of perimeter fence.	3/12/2008	Quartely OSDF cap inspection	JF18			
219	Marked on drawing: GIS outlet pipe. - West Perimeter		Woody vegetation over RCP needs killed. It is currently trimmed at ground level; deep roots could damage RCP.	3/12/2008	Quartely OSDF cap inspection	JF19			
220	Downspout at northwest corner of VH-2 - West perimeter		Damaged Downspout	3/12/2008	Quartely OSDF cap inspection	JF20			
221	GIS outlet northwest of VH-2 - West perimeter		GIS outlet pipe half plugged with rip rap. Flow is still good.	3/12/2008	Quartely OSDF cap inspection	JF21			



March 2008 OSDF Inspection
Finding LH-9
Photo 851.jpg



March 2008 OSDF Inspection
Finding HS-7
Photo 834.jpg

On-Site Disposal Facility Inspection Report

March 2008



Stoller
Legacy Management Team





East Face Cell 1



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



East Face Cell 5



West Face Cell 5



East Face Cell 6



West Face Cell 6



East Face Cell 7



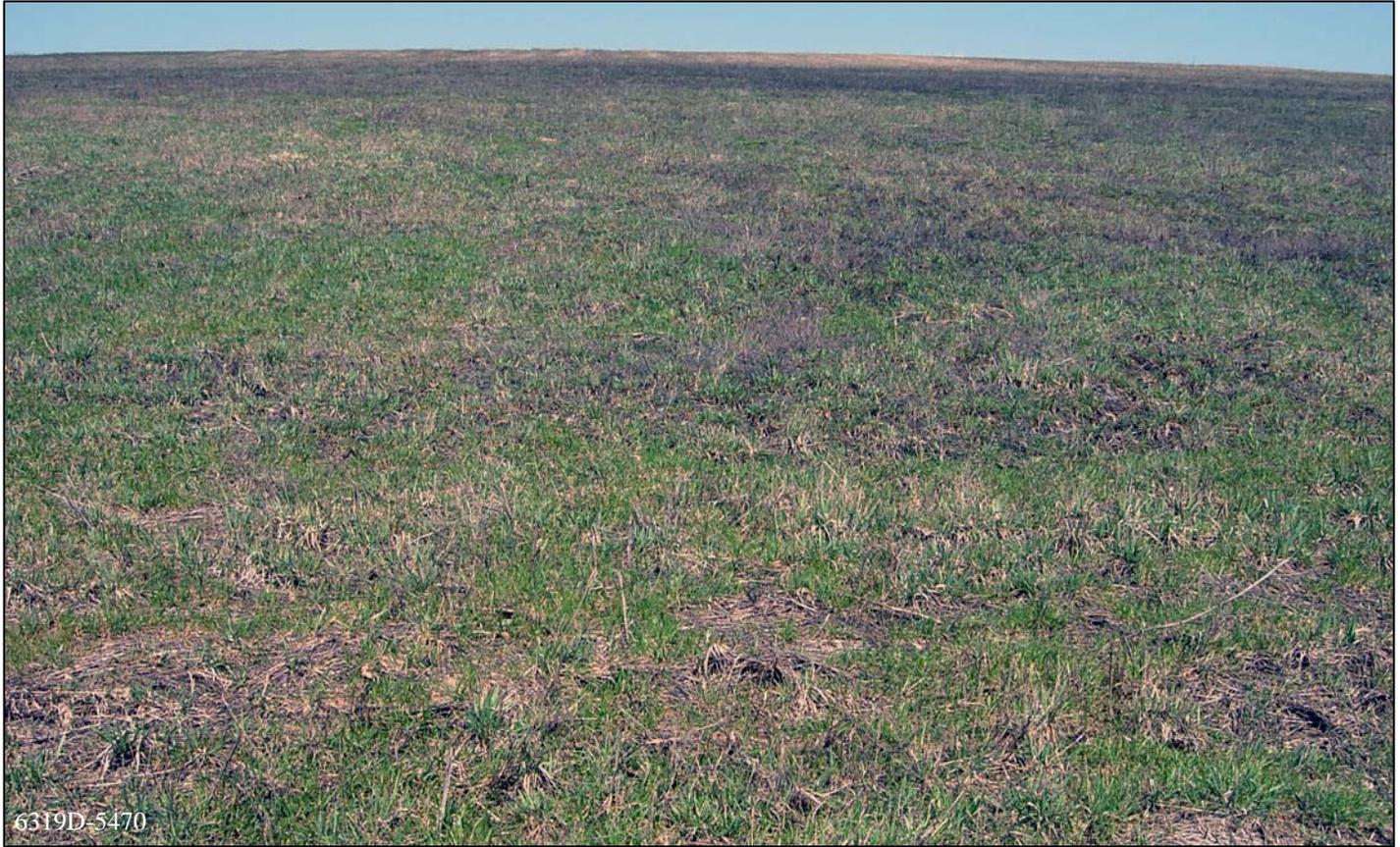
West Face Cell 7



East Face Cell 8



West Face Cell 8



6319D-5470

South Face Cell 8



6319D-5471

South Drainage (looking west)



6319D-5474

East Drainage Cell 7 (looking south)



6319D-5478

East Drainage Cell 4 (looking south)



6319D-5482

East Drainage Cell 1 (looking south)



6319D-5495

West Inner Drainage Cell 7 (looking south)



6319D-5491

West Inner Drainage Cell 4 (looking south)



6319D-5485

West Inner Drainage Cell 1 (looking south)



West Outer Drainage Cell 1 (looking south)



West Outer Drainage Cell 8 (looking north)



West Outer Drainage Cell 8 (looking south)