



Department of Energy
Washington, DC 20585

July 12, 2011

Mr. Timothy Fischer
U.S. Environmental Protection Agency
Region V-SRF-6J
77 W. Jackson Blvd.
Chicago, IL 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 June 2011 Fernald Preserve On-Site Disposal Facility
Inspection Forms**

The purpose of this letter is to transmit the completed forms for the June 2011 inspection of the On-Site Disposal Facility (OSDF). The inspection was conducted on June 14, 2011. Photographs of the OSDF and the surrounding area were taken to accompany the inspection and are included with this report. The inspection was conducted by Stoller, the Ohio Environmental Protection Agency, and the Ohio Department of Health.

The *Fernald Preserve Comprehensive Legacy Management and Institutional Controls Plan* describes the inspection process. The June 2011 inspection included a north/south transect walk of the entire cell cap, toe, drainages, and fence line.

Individuals recorded their findings on the Fernald Preserve OSDF Walk-down Inspection form and indicated the locations of those findings on a map of the OSDF. A consolidated form and map is included with this report. Most findings were related to vegetation, including the presence of woody vegetation. No major changes were observed in the status of erosion along the toe of the slope or the fence line. Items that require maintenance are entered on and tracked using the enclosed Fernald Preserve Maintenance and Repair Action Items form. Items on the list are shaded once they are completed, and items completed before May 2011 are hidden. Of note, the inspection team agreed that some larger trees and shrubs located southwest of the OSDF, near the Control Valve House, should be removed in the near future. This was not a finding during the inspection, but was discussed immediately afterwards.

The next OSDF cell cap inspection is scheduled for September 2011 and will include an inspection of the toe of the cap, drainages, fence line, and any items of special interest or concern.

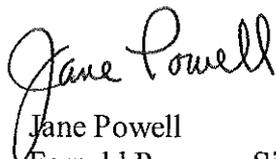


Mr. Timothy Fischer
Mr. Thomas Schneider
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If you have any questions or require additional information, please call me at (513) 648-3148.
Please send any correspondence to:

U.S. Department of Energy
Office of Legacy Management
10995 Hamilton-Cleves Hwy.
Harrison, OH 45030

Sincerely,



Jane Powell
Fernald Preserve Site Manager
DOE-LM-20.2

Enclosure

cc w/enclosure:

M. Cullerton, Tetra Tech.
M. Murphy, USEPA-V, A-18J
T. Schneider, OEPA (three copies of enclosure)
M. Shupe, HSI GeoTrans
Project Record File FER 115.02.05(A) (thru W. Sumner)
Administrative Records (thru W. Sumner)

cc w/o enclosure:

T. Pauling, DOE-LM
K. Reed, DOE-LM
B. Hertel, Stoller
J. Homer, Stoller
L. McHenry, Stoller

On-Site Disposal Facility Inspection Report

June 2011



U.S. DEPARTMENT OF
ENERGY

Legacy
Management



East Face Cell 1



West Face Cell 1



6319D-5906

North Face Cell 1



6319D-5907

North Drainage (looking west)



6319D-5910

East Face Cell 2



6319D-5931

West Face Cell 2



6319D-5911

East Face Cell 3



6319D-5930

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



6319D-5917

East Face Cell 7



6319D-5924

West Face Cell 7



East Face Cell 8



West Face Cell 8



South Face Cell 8

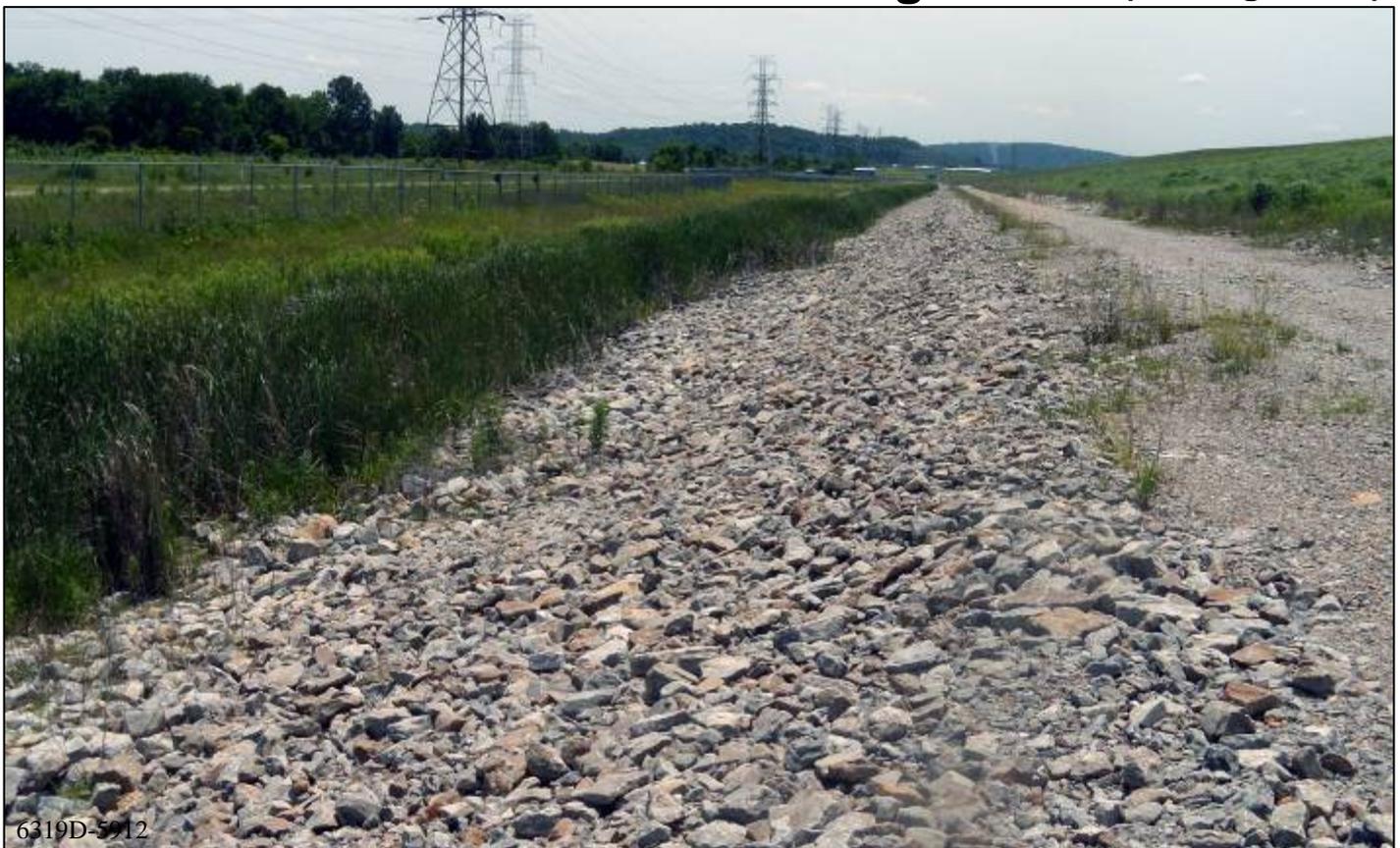


South Drainage (looking west)



6319D-5916

East Drainage Cell 7 (looking south)



6319D-5912

East Drainage Cell 4 (looking south)



6319D-5908

East Drainage Cell 1 (looking south)



6319D-5925

West Inner Drainage Cell 7 (looking south)



6319D-5928

West Inner Drainage Cell 4 (looking south)



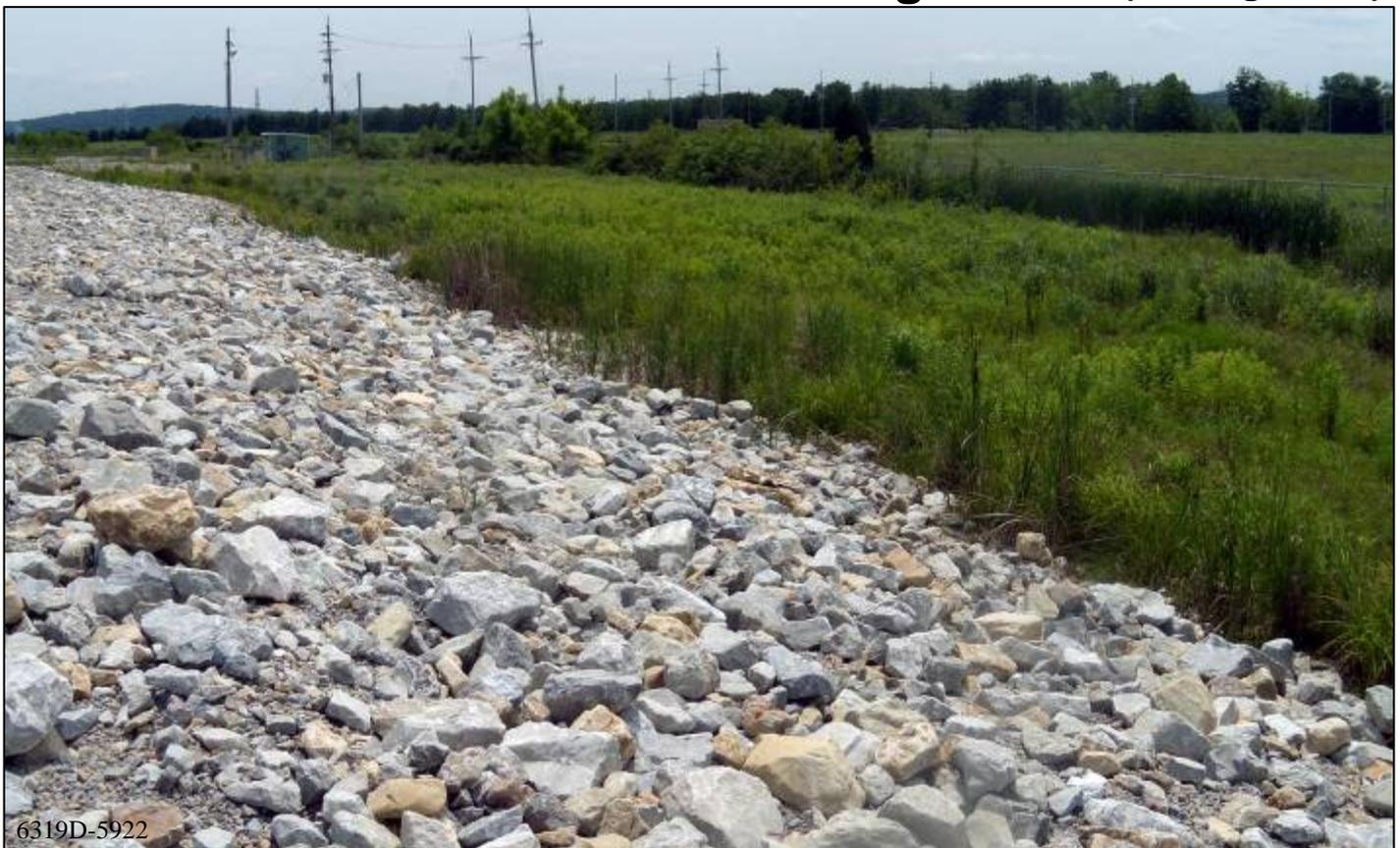
6319D-5905

West Inner Drainage Cell 1 (looking south)



6319D-5933

West Outer Drainage Cell 1 (looking south)



6319D-5922

West Outer Drainage Cell 8 (looking south)



West Outer Drainage Cell 8 (looking north)

U.S. Department of Energy Office of Legacy Management

Fernald Preserve OSDF Walkdown Inspection

Date 6-14-2011 Inspector SM Stoller, OEPA Cell Cap/Area Entire cap, drainage, fenceline

No.	Location (Use Map Whenever Possible)	GPS?	Type of Finding					Description	Photo? (File No.)	Follow Up		
			Erosion	Settlement	Vegetation	Biointrusion	Drainage			Other	Corrected	Maintenance Req'd
BL1	Cell 1, NW toe				X			Thistle		X		
BL2	Cell 1, North (w) 6:1						X	Large rock			X	
BL3	Cell 2, west 6:1				X			Woody vegetation		X		
BL4	Cell 3/4, west 6:1				X			Honeysuckle		X		
BL5	Cell 4, west 6:1				X			Thistle		X		
BL6	Cell 5, west 6:1				X			Thistle		X		
BL7	Cell 7, west (n) 6:1				X			Thistle			X	
BL8	Cell 7, west 6:1		X					Rills			X	
BL9	Cell 8, east 6:1				X			Crown vetch			X	
BL10	Cell 5, east 6:1		X					Erosion			X	
BL11	Cell 3, east 6:1				X			Woody vegetation (pear)		X		
LH1	Cell 5, west 6:1				X			Thistle		X		
LH2	Cell 7, west 6:1				X			Johnson grass			X	
LH3	Cell 8, SW 6:1				X			Thistle			X	
LH4	Cell 6/7, east 10:1				X			Thistle			X	
DB1	Cell 1, west 6:1				X			Thistle		X		
DB2	Cell 2/3, west 6:1					X		Hole approx 6"			X	
DB3	Cell 5, west 6:1					X		Hole			X	
DB4	Cell 6, west (s) 6:1				X			Thistle			X	
DB5	Cell 7, west (n) 6:1				X			Thistle			X	
DB6	Cell 7, west 6:1				X			Thistle			X	
DB7	Cell 8, south (e) 6:1				X			Thistle			X	
DB8	Cell 2, east 6:1				X			Woody vegetation		X		
DB9	Cell 1/2, east 6:1		X					Erosion			X	
JH1	Cell 8, south 6:1				X			Canada thistle, poison hemlock			X	
JH2	Cell 4, top east				X			Sporadic teasel		X		
JH3	Cell 3, top east				X			Canada thistle		X		
JH4	North drainage				X			Virginia creeper		X		
SB1	Cell 6, east 10:1				X			Woody vegetation		X		
SB2	Cell 6, east 10:1				X			Woody vegetation		X		
HS1	North toe				X			Woody vegetation in rip rap		X		
HS2	Cell 3, west 6:1				X			Virginia creeper			X	
HS3	Cell 3, west				X			Virginia creeper		X		
HS4	Cell 3, west						X	Rock		X		
HS5	Cell 3, west					X		Collapsed animal burrow		X		
HS6	Cell 4, west				X			Callery pear		X		
HS7	Cell 5, west				X			Callery pear		X		
HS8	Cell 8, south				X			Canada thistle			X	
HS9	Cell 8, south				X			Canada thistle			X	

U.S. Department of Energy Office of Legacy Management

Fernald Preserve OSDF Walkdown Inspection (continued)

Date 6-14-2011 Inspector SM Stoller, OEPA Cell Cap/Area Entire cap, drainage, fenceline

No.	Location (Use Map Whenever Possible)	GPS?	Type of Finding					Description	Photo? (File No.)	Follow Up	
			Erosion	Settlement	Vegetation	Biointrusion	Drainage			Other	Corrected
HS10	Cell 7, east top				X			Bare spot		X	
HS11	Cell 7, east top				X			Canada thistle		X	
HS12	Cell 7, east top				X			Crown vetch		X	
HS13	Cell 5, east top				X			Crown vetch and Canada thistle	X		
HS14	Cell 4, east top				X			Honeysuckle	X		
HS15	Cell 1, north toe				X			Honeysuckle	X		
HS16	Cell 1, north toe				X			Woody vegetation	X		
LM1	Cell 2, west toe				X			Thistle	X		
LM2	Cell 2, west toe				X			Thistle	X		
LM3	Cell 2/3, west toe				X			Thistle	X		
LM4	Cell 3, west toe				X			Thistle	X		
LM5	Cell 4, west toe				X			Teasel	X		
LM6	Cell 5/6, west toe				X			Thistle	X		
LM7	Cell 7/6, west toe				X			Thistle		X	
LM8	Cell 8, west toe				X			Thistle		X	
LM9	Cell 8, west toe				X			Thistle		X	
LM10	Cell 8 south face				X			Thistle and poison hemlock		X	
LM11	Cell 8, east 6:1				X			Crown vetch		X	
DN1	Cell 4, top					X		Burrows	X		
DN2	Cell 8, west 10:1				X			Teasel		X	
DN3	Cell 7, east top						X	Rock		X	
DN4	Cell 2, east 10:1						X	Rock		X	
DN5	North fence (e)						X	Fence damaged		X	
DN6	NE corner fence				X			Trees in fence		X	
DN7	East fence, cell 1						X	Hole under fence			X
DN8	East fence, cell 2				X			Willows		X	
DN9	East fence, cell 6/7						X	Hole under fence			X
DN10	East fence, cell 7						X	Hole under fence			X
DN11	SW corner fence						X	Hole under fence			X
DN12	SW corner fence				X			Tree in fence		X	
DN13	West of VH 7						X	Old leachate line unreadable		X	
DN14	West fence				X			Suggest mowing along fence		X	

Additional Notes

EP = East perimeter; SP = South perimeter; SWP = Southwest perimeter; WP = West perimeter; NP = North perimeter; NEP = Northeast perimeter



O:\GIS\OHF\Projects\Projects\OSDF_Site_Inspection_Mar_2008.mxd Fernald 04/07/08

Legend

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



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

**June 2011 Inspection Findings
Previous Findings Requiring
Maintenance or Follow-up**

FERNALD PRESERVE MAINTENANCE AND REPAIR ACTION ITEMS

JULY 2011 UPDATE

No.	Location	GPS?	Maintenance item identified	Date identified	Origin of Finding	Inspection Finding No.	Resolution	Date of resolution	Comments
233	Deer fence off south access road	No	Deer fence corner wire down	6/5/2008	June 2008 quarterly field walkdown	7			
633	Waste pits - north west	No	Cages are down	3/3/2009	March 2009 quarterly field walkdown	31			
646	Waste pits	No	Erosion matting rolls	3/3/2009	March 2009 quarterly field walkdown	44			
650	Waste pits - east	No	A lot of trash blown around	3/3/2009	March 2009 quarterly field walkdown	48			
687	Roads and parking areas	No	Paint is wearing in some areas	3/16/2009	March 2009 point-specific IC inspection	NA			
689	OSDF Cell 8 - Road	No	Debris	3/12/2009	March 2009 quarterly OSDF inspection	HS5	Removed and free-released	5/4/2011	
694	East face cell 8 near top	No	Rock greater than 4-inches	3/12/2009	March 2009 quarterly OSDF inspection	JH1	Removed rock	5/6/2011	
699	Grassy area south of cell 8	No	Debris at JF6A GT Debris - plastic 6 feet southwest , clay tile 6 feet southwest GT 3 feet southwest at JF6B	3/12/2009	March 2009 quarterly OSDF inspection	JF6			
728	North side of SWU slope	No	Concrete debris	6/9/2009	June 2009 quarterly field walkdown	15			
757	Former silos area	No	Wide erosion, partially vegetated	6/9/2009	June 2009 quarterly field walkdown	57			
772	North of active flyash	No	erosion	6/9/2009	June 2009 quarterly field walkdown	78			
780	OSDF Cell 7, east toe of slope	No	animal burrow	6/2/2009	June 2009 quarterly OSDF inspection	DB5	Filled hole	5/6/2011	
782	North pines east	No	Limb across deer fence	9/2/2009	September 2009 quarterly field walkdown	9			
783	North pines west deer fence	No	Teasel, Canada thistle	9/2/2009	September 2009 quarterly field walkdown	10			
784	North pines west deer fence	No	Canada thistle	9/2/2009	September 2009 quarterly field walkdown	11			
788	South side of east deer fence	No	Break in deer fence with well defined deer path	9/2/2009	September 2009 quarterly field walkdown	22			
789	North pines	No	Thistle near Cultural Resource sign	9/2/2009	September 2009 quarterly field walkdown	23			
792	Pines along south access	No	Thistle	9/2/2009	September 2009 quarterly field walkdown	29			
799	East side of Lodge Pond	No	T-posts in rows - not sure of purpose.	9/2/2009	September 2009 quarterly field walkdown	44			

No.	Location	GPS?	Maintenance item identified	Date identified	Origin of Finding	Inspection Finding No.	Resolution	Date of resolution	Comments
800	North pines	No	Teasel	9/2/2009	September 2009 quarterly field walkdown	45			
801	North pines east deer fence	No	Teasel	9/2/2009	September 2009 quarterly field walkdown	46			
802	North pines east deer fence	No	Teasel and thistle	9/2/2009	September 2009 quarterly field walkdown	47			
803	A1PI wetland	No	Honeysuckle	9/2/2009	September 2009 quarterly field walkdown	50			
804	A1PI wetland	No	Honeysuckle	9/2/2009	September 2009 quarterly field walkdown	52			
805	A1PI wetland	No	Honeysuckle	9/2/2009	September 2009 quarterly field walkdown	53			
806	A1PI wetland - basin 4	No	Honeysuckle	9/2/2009	September 2009 quarterly field walkdown	54			
807	Summe gate south of A1PI	No	Honeysuckle	9/2/2009	September 2009 quarterly field walkdown	55			
808	North A1PI	No	Honeysuckle and teasel	9/2/2009	September 2009 quarterly field walkdown	57			
809	A1PI wetland - basin 2	No	Honeysuckle	9/2/2009	September 2009 quarterly field walkdown	59			
810	North and south Summe gates	No	Honeysuckle	9/2/2009	September 2009 quarterly field walkdown	60			
811	East perimeter	No	Honeysuckle	9/2/2009	September 2009 quarterly field walkdown	61			
817	Access V3	No	Move back/widen gate	10/1/2009	Casual observation	na			
818	Access V3A	No	Move back/widen gate	10/1/2009	Casual observation	na			
819	Access V4	No	Move back/widen gate	10/1/2009	Casual observation	na			
820	Access V6	No	Fill in ditch to allow for vehicle use	10/1/2009	Casual observation	na			
821	Access V7	No	Remove culvert and abandon access	10/1/2009	Casual observation	na			
835	GIS structure outlet ditch between cells 6 and 7	No	Pipes contain 4 inches of sediment, vegetation (cattails), and gravel has washed out from around pipe creating partial blockage.	9/10/2009	September 2009 OSDF Inspection	JF6	Removed rock and sediment	5/6/2011	Would be helpful to extend culvert approx. 3 feet
846	A8PII Parking lot	No	U-post at entrance needs removed	12/14/2009	December 2009 quarterly field walkdown	1			
856	Duke Energy substation	No	Honeysuckle all along bank east of Duke Energy substation	12/14/2009	December 2009 quarterly field walkdown	11			
857	Field north of Duke Energy substation on Paddys Run Road	No	Northwest corner of deer fence is damaged	12/14/2009	December 2009 quarterly field walkdown	12			

No.	Location	GPS?	Maintenance item identified	Date identified	Origin of Finding	Inspection Finding No.	Resolution	Date of resolution	Comments
859	A6PI/North woodlot	No	North and west side of deer fence damaged by downed trees and branches	12/14/2009	December 2009 quarterly field walkdown	14			
860	A8PIII-North	No	North deer fence needs repair at south end	12/14/2009	December 2009 quarterly field walkdown	15			
862	Field at Rainbow bridge	No	Honeysuckle	12/14/2009	December 2009 quarterly field walkdown	17			
863	Field at Rainbow bridge	No	Tree tubes need to be removed	12/14/2009	December 2009 quarterly field walkdown	18			
869	A8PII	No	Wooden post	12/14/2009	December 2009 quarterly field walkdown	24			
875	A8PIII-North	No	Deer fence needs repair	12/14/2009	December 2009 quarterly field walkdown	30			
876	A8PIII-North	No	Deer fence needs repair	12/14/2009	December 2009 quarterly field walkdown	31			
877	A8PIII-North	No	South fence - deer fence needs repair	12/14/2009	December 2009 quarterly field walkdown	32			
881	Access point VQ	No	No signs	12/9/2009	December 2009 point-specific IC inspection	na			
892	Cell 6 east side	No	Small mammal colony	12/3/2009	December 2009 OSDF Inspection	HB5	Filled hole and reseeded	5/10/2011	
893	Cell 2 east side	No	Groundhog hole	12/3/2009	December 2009 OSDF Inspection	HB7			
894	Cell 1 northeast corner	No	Groundhog hole - dug up gravel	12/3/2009	December 2009 OSDF Inspection	HB8	Filled hole and reseeded	5/10/2011	
896	Cell 8 east side	No	clover, cool season grasses	12/3/2009	December 2009 OSDF Inspection	BL3	No action necessary	5/6/2011	
919	South bank of Union Pond	No	Erosion rill	3/11/2010	March 2010 quarterly field walkdown	1			
921	South side of bank	No	Thistle	3/11/2010	March 2010 quarterly field walkdown	3			
922	West end of pond	No	Teasel	3/11/2010	March 2010 quarterly field walkdown	4			
923	West end of pond	No	Teasel	3/11/2010	March 2010 quarterly field walkdown	5			
929	Edge (west) of North Drainage Ditch	No	T-post	3/11/2010	March 2010 quarterly field walkdown	11			
930	Edge of access road	No	Erosion	3/11/2010	March 2010 quarterly field walkdown	12			
931	Edge of road by CAWWT	No	Orange fence	3/11/2010	March 2010 quarterly field walkdown	13			
932	Southwest of Main Drainage Corridor outlet	No	Rutting	3/11/2010	March 2010 quarterly field walkdown	14			

No.	Location	GPS?	Maintenance item identified	Date identified	Origin of Finding	Inspection Finding No.	Resolution	Date of resolution	Comments
933	Main Drainage Corridor	No	Erosion	3/11/2010	March 2010 quarterly field walkdown	15			
934	East of Swan Pond	No	Erosion	3/11/2010	March 2010 quarterly field walkdown	16			
935	Southeast of Union Pond	No	Erosion	3/11/2010	March 2010 quarterly field walkdown	17			
936	West of 5 Sycamore trees, northwest of 5 oak trees	No	Thistle	3/11/2010	March 2010 quarterly field walkdown	18			
939	South of Union Pond	No	Erosion greater than 1 foot	3/11/2010	March 2010 quarterly field walkdown	21			
940	East end of drain north of Angel Pond	No	Erosion	3/11/2010	March 2010 quarterly field walkdown	22			
941	North bank of east/west drain	No	Erosion	3/11/2010	March 2010 quarterly field walkdown	23			
943	East bank of drainage	No	Thistle	3/11/2010	March 2010 quarterly field walkdown	25			
946	Southwest corner of Swan Pond	No	Erosion	3/11/2010	March 2010 quarterly field walkdown	29			
949	Deer fence on east of Paddys Run on west edge of waste pits	No	Gate ripped down	3/11/2010	March 2010 quarterly field walkdown	32			
954	Along ridge	No	Thistle	3/11/2010	March 2010 quarterly field walkdown	37			
965	West of 3rd utility pole from the south end OSDF fence	No	Bricks and silt fence debris can be removed at top of east slope of ditch (previous inspection item JF3)	3/18/2010	March 2010 OSDF Inspection	JF8			
966	South end of west drainage at fence	No	Brush debris buildup in front of track rack at south end of west ditch just inside south perimeter fence	3/18/2010	March 2010 OSDF Inspection	JF9	Removed rock and sediment	5/6/2011	Additional sediment present along the length of the culverts
969	Island in pond	No	Erosion and lack of vegetation	6/2/2010	June 2010 quarterly field walkdown	2			
972	On site substation deer fence	No	Thistle/teasel	6/2/2010	June 2010 quarterly field walkdown	5			
973	South field drainage	No	Bog stem bullrush	6/2/2010	June 2010 quarterly field walkdown	6			
974	South of Sycamore trail south of the Shingle Oak	No	Downed tree cage	6/2/2010	June 2010 quarterly field walkdown	7			
975	North of deer fence in SWU, west of trail	No	Black pipe	6/2/2010	June 2010 quarterly field walkdown	8			
976	North of south pines deer fence near access road	No	Thistle	6/2/2010	June 2010 quarterly field walkdown	9			
981	Hillside north of SWU	No	Erosion	6/2/2010	June 2010 quarterly field walkdown	13			
982	West side of deer fence	No	Teasel and thistle	6/2/2010	June 2010 quarterly field walkdown	14			

No.	Location	GPS?	Maintenance item identified	Date identified	Origin of Finding	Inspection Finding No.	Resolution	Date of resolution	Comments
983	North of former inactive flyash pile (slope of SWU)	No	Cedar tree choked by cage	6/2/2010	June 2010 quarterly field walkdown	15			
984	North of former inactive flyash pile (slope of SWU)	No	Debris – asphalt	6/2/2010	June 2010 quarterly field walkdown	16			
986	Near "salamander habitat"	No	Erosion	6/2/2010	June 2010 quarterly field walkdown	18			
989	North of silo ponds	No	Patchy vegetation	6/2/2010	June 2010 quarterly field walkdown	21			
992	Paddys Run – silos riprap	No	Reed canary grass	6/2/2010	June 2010 quarterly field walkdown	24			
994	SWU floodplain	No	Old cage needs removed	6/2/2010	June 2010 quarterly field walkdown	26			
996	SWRB southwest corner	No	Thistle patch	6/2/2010	June 2010 quarterly field walkdown	28			
999	Northeast of north silo pond	No	Erosion	6/2/2010	June 2010 quarterly field walkdown	31			
1002	South of Visitors Center parking lot in woods	No	Honeysuckle	6/2/2010	June 2010 quarterly field walkdown	34			
1004	Southeast of arsenic hot spot	No	Multiflora rose	6/2/2010	June 2010 quarterly field walkdown	36			
1006	South pines north of Sycamore trail	No	Honeysuckle all over	6/2/2010	June 2010 quarterly field walkdown	38			
1008	South pines along access road	No	Honeysuckle all along road	6/2/2010	June 2010 quarterly field walkdown	40			
1009	Drainage along access road along south pines	No	Bare area (no veg.)	6/2/2010	June 2010 quarterly field walkdown	41			
1010	South pines along access road	No	Honeysuckle	6/2/2010	June 2010 quarterly field walkdown	42			
1011	East of south pines, south of access road	No	Thistle	6/2/2010	June 2010 quarterly field walkdown	43			
1012	East edge of south pines deer fence	No	Thistle	6/2/2010	June 2010 quarterly field walkdown	44			
1013	South side of south pines deer fence	No	Honeysuckle	6/2/2010	June 2010 quarterly field walkdown	45			
1014	South side of south pines deer fence	No	Teasel	6/2/2010	June 2010 quarterly field walkdown	46			
1020	Southeast of dance hall	No	Honeysuckle	6/2/2010	June 2010 quarterly field walkdown	52			
1022	Drainage west of northern most well in south field	No	Honeysuckle	6/2/2010	June 2010 quarterly field walkdown	54			
1023	East of radium hotspot	No	Thistle	6/2/2010	June 2010 quarterly field walkdown	55			

No.	Location	GPS?	Maintenance item identified	Date identified	Origin of Finding	Inspection Finding No.	Resolution	Date of resolution	Comments
1024	Near valve house on access road north of SWRB	No	Thistle	6/2/2010	June 2010 quarterly field walkdown	56			
1025	Along access road	No	Teasel	6/2/2010	June 2010 quarterly field walkdown	57			
1026	Along access road	No	Honeysuckle	6/2/2010	June 2010 quarterly field walkdown	58			
1027	Along access road	No	Thistle	6/2/2010	June 2010 quarterly field walkdown	59			
1028	Cell 4, west toe	No	Buckthorn	6/8/2010	June 2010 OSDF Inspection	SB3			
1049	West 6:1 slope on Cell 7	No	Large bare area	9/1/2010	September 2010 OSDF Inspection	JC1	Re-seeded area	5/6/2011	
1050	Center north slope Cell 1	No	Bare spot	9/1/2010	September 2010 OSDF Inspection	HS3	No action necessary	5/6/2011	Grass is growing in former bare area
1056	Cell 7/8	No	Flowering pear	9/1/2010	September 2010 OSDF Inspection	BL2			Could not locate in field
1058	Cell 1	No	Horsetail	9/1/2010	September 2010 OSDF Inspection	DB1			
1059	Cell 8	No	Several bare spots along toe on south/southwest side	9/1/2010	September 2010 OSDF Inspection	DB2	Re-seeded area	5/6/2011	
1060	Cell 8/7	No	Plank on west side – erosion at end	9/1/2010	September 2010 OSDF Inspection	DB4	Repaired erosion area	5/5/2011	
1061	East slope Cell 7	No	Bare area	9/1/2010	September 2010 OSDF Inspection	LH1	Re-seeded area	5/6/2011	
1064	West (mid) 6:1 Cell 7/8	No	Bare spot	9/1/2010	September 2010 OSDF Inspection	JH2	Re-seeded area	5/6/2011	
1076	Three culvert pipes south of Cell 8	No	West pipe contains 3 inches of sediment (2 inches in middle and east pipes)	9/1/2010	September 2010 OSDF Inspection	JF16	Cleared rock and sediment from end of pipes	5/6/2011	Additional sediment present along the length of the culverts
1085	East perimeter fence at south half of cell 4	No	Erosion is occurring around the concrete of several perimeter fence posts.	9/1/2010	September 2010 OSDF Inspection	JF25			Even with the erosion, the posts remain relatively solid. Some wobble is occurring but this is most likely due to the dry conditions.
1090	Lodge pond basin – west	No	Downed cages	9/8/2010	September 2010 quarterly field walkdown	1			
1091	Lodge pond basin – center	No	Invasive Schoenoplectus	9/8/2010	September 2010 quarterly field walkdown	2			
1092	Lodge Pond savanna	No	Canada thistle	9/8/2010	September 2010 quarterly field walkdown	3			
1093	North pines deer fence	No	Hole in fence	9/8/2010	September 2010 quarterly field walkdown	4			
1095	Lodge pond basin – south	No	Teasel	9/8/2010	September 2010 quarterly field walkdown	6			
1096	North pines east fence south side	No	Fence down (tree on fence)	9/8/2010	September 2010 quarterly field walkdown	7			

No.	Location	GPS?	Maintenance item identified	Date identified	Origin of Finding	Inspection Finding No.	Resolution	Date of resolution	Comments
1097	North Bend prairie – east	No	Canada and musk thistle	9/8/2010	September 2010 quarterly field walkdown	8			
1098	North Bend prairie – middle	No	Musk thistle	9/8/2010	September 2010 quarterly field walkdown	9			
1100	Lodge pond basin – northeast	No	Bare area	9/8/2010	September 2010 quarterly field walkdown	11			
1101	Lodge pond basin – northeast	No	Erosion	9/8/2010	September 2010 quarterly field walkdown	12			
1102	Along access road	No	Thistle	9/8/2010	September 2010 quarterly field walkdown	13			
1103	Lodge pond basin – center	No	Fence baskets down	9/8/2010	September 2010 quarterly field walkdown	14			
1104	North pines along property line	No	Trash	9/8/2010	September 2010 quarterly field walkdown	15			
1105	NE of lodge pond basin near property line	No	Bare area	9/8/2010	September 2010 quarterly field walkdown	16			
1106	Near well across from OSDF mowed path	No	Thistle	9/8/2010	September 2010 quarterly field walkdown	17			
1107	Near "high voltage" station	No	Flowering pear	9/8/2010	September 2010 quarterly field walkdown	18			
1108	Across from Cell 5	No	Flowering pear (several flags – unlabeled)	9/8/2010	September 2010 quarterly field walkdown	19			
1109	Across from Cell 4	No	Honeysuckle and pear	9/8/2010	September 2010 quarterly field walkdown	20			
1110	Across from Cell 3	No	Honeysuckle and pear	9/8/2010	September 2010 quarterly field walkdown	21			
1111	Near Summe's access gate	No	Narrow leaf cattail	9/8/2010	September 2010 quarterly field walkdown	22			
1112	AIPI SW of basin 4	No	Honeysuckle and pear	9/8/2010	September 2010 quarterly field walkdown	23			
1113	Across from Cell 1/2 boundary	No	Honeysuckle	9/8/2010	September 2010 quarterly field walkdown	24			
1114	AIPI between basins 3 and 4	No	Narrow leaf cattail	9/8/2010	September 2010 quarterly field walkdown	25			
1115	Swale in Basin 2	No	Narrow leaf cattail	9/8/2010	September 2010 quarterly field walkdown	26			
1116	Basin across from triangle	No	Honeysuckle, pear, crown vetch	9/8/2010	September 2010 quarterly field walkdown	28			
1117	Basin across from triangle	No	Honeysuckle, pear, crown vetch	9/8/2010	September 2010 quarterly field walkdown	29			
1118	Basin across from triangle	No	Pear, Honeysuckle	9/8/2010	September 2010 quarterly field walkdown	30			

No.	Location	GPS?	Maintenance item identified	Date identified	Origin of Finding	Inspection Finding No.	Resolution	Date of resolution	Comments
1119	AIPI basin 6	No	Phragmites, Honeysuckle	9/8/2010	September 2010 quarterly field walkdown	31			
1122	North pines along Rt. 126	No	Honeysuckle, Johnson grass, pear, thistle	9/8/2010	September 2010 quarterly field walkdown	34			
1123	Along property fence (across from Cell 7)	No	Multiflora rose	9/8/2010	September 2010 quarterly field walkdown	35			
1124	East property fence	No	Poison ivy all along fence	9/8/2010	September 2010 quarterly field walkdown	37			
1125	East side across from cell 4	No	Honeysuckle	9/8/2010	September 2010 quarterly field walkdown	38			
1126	East side across from cell 4	No	Multiflora rose	9/8/2010	September 2010 quarterly field walkdown	39			
1127	East side across from cell 3	No	Honeysuckle	9/8/2010	September 2010 quarterly field walkdown	40			
1128	East side across from cell 3	No	Honeysuckle and pear	9/8/2010	September 2010 quarterly field walkdown	41			
1129	AIPI southeast of basin 4	No	Honeysuckle and pear	9/8/2010	September 2010 quarterly field walkdown	42			
1130	AIPI Basins 3 and 2	No	Honeysuckle and pear	9/8/2010	September 2010 quarterly field walkdown	43			
1131	AIPI northeast of basin 2	No	Thistle	9/8/2010	September 2010 quarterly field walkdown	44			
1134	AIPI Basin 7	No	Thistle (a lot)	9/8/2010	September 2010 quarterly field walkdown	47			
1135	Pines near access road	No	Honeysuckle	9/8/2010	September 2010 quarterly field walkdown	48			
1136	North pines	No	Multiflora rose	9/8/2010	September 2010 quarterly field walkdown	49			
1137	Drain northwest of DO along road	No	Woody vegetation in drain	9/8/2010	September 2010 quarterly field walkdown	50			
1138	AIPI at north end of OSDF	No	Scattered thistle	9/8/2010	September 2010 quarterly field walkdown	51			
1139	North pines along access rd.	No	Honeysuckle	9/8/2010	September 2010 quarterly field walkdown	53			
1140	North pines along access rd.	No	Crown vetch, thistle, teasel	9/8/2010	September 2010 quarterly field walkdown	54			
1141	Perimeter sign S1		Sign leaning, perhaps hit with mower or vehicle	9/7/2010	September 2010 point-specific IC inspection	na			
1143	Trestle		Vines growing all over west end of fence	9/7/2010	September 2010 point-specific IC inspection	na			
1144	Interior vehicle access VR		Attachment broken	9/7/2010	September 2010 point-specific IC inspection	na			Temporarily repaired

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1145	Duke substation	no	Debris	12/6/2010	December 2010 quarterly field walkdown	1	Removed and free-released	5/11/2011	
1146	Duke substation	no	Bluebird box off post	12/6/2010	December 2010 quarterly field walkdown	2	Removed wildlife box	5/11/2011	
1147	A8P111-N, south deer fence	no	North side of fence down	12/6/2010	December 2010 quarterly field walkdown	3			
1148	A8P111-N, south deer fence	no	East gate open	12/6/2010	December 2010 quarterly field walkdown	4			
1149	A8P111-N, south deer fence	no	South end of fence down	12/6/2010	December 2010 quarterly field walkdown	5			
1150	A8P111-N, south deer fence	no	West side of fence down	12/6/2010	December 2010 quarterly field walkdown	6			
1151	A8P111-N, south deer fence	no	West side of fence down	12/6/2010	December 2010 quarterly field walkdown	7			
1152	A8P111-N, north deer fence	no	West side of fence down	12/6/2010	December 2010 quarterly field walkdown	8			
1153	Field north of Duke substation	no	Debris (red clay/brick)	12/6/2010	December 2010 quarterly field walkdown	9			
1154	A8P111, south deer fence	no	Southwest corner down	12/6/2010	December 2010 quarterly field walkdown	10			
1155	Deer fence at rainbow bridge	no	Tree cages need removed. Limbs down on east side of fence.	12/6/2010	December 2010 quarterly field walkdown	11			
1156	Deer fence at rainbow bridge	no	Tree across fence	12/6/2010	December 2010 quarterly field walkdown	12			
1157	A8P111-N, north deer fence	no	East side has holes and the fence is slipping down poles	12/6/2010	December 2010 quarterly field walkdown	13			
1158	A6P1 deer fence	no	West end fence is down	12/6/2010	December 2010 quarterly field walkdown	14			
1159	A6P1 deer fence	no	Tree on fence on north side	12/6/2010	December 2010 quarterly field walkdown	15			
1160	A6P1 deer fence	no	Hole in north side	12/6/2010	December 2010 quarterly field walkdown	16			
1161	Perimeter sign S12	no	Sign is leaning	12/1/2010	December 2010 point-specific IC inspection	na			
1162	Perimeter sign S31	no	Sign is missing	12/1/2010	December 2010 point-specific IC inspection	na			
1164	Cell 1 NE corner	no	2 holes/openings	12/7/2010	December 2010 OSDF Inspection	KP1	filled hole with soil and seeded	5/10/2011	
1165	Cell 3 west 6:1	no	1 hole/opening	12/7/2010	December 2010 OSDF Inspection	KP2	Unable to locate	5/10/2011	
1166	Cell 4 west 6:1	no	Mound/multiple openings	12/7/2010	December 2010 OSDF Inspection	KP3	Filled hole with soil	5/10/2011	

No.	Location	GPS?	Maintenance item identified	Date identified	Origin of Finding	Inspection Finding No.	Resolution	Date of resolution	Comments
1168	West Cell 2 6:1	no	Woody vegetation	12/7/2010	December 2010 OSDF Inspection	JH2			
1169	Cell 4 top	no	Animal burrow	12/7/2010	December 2010 OSDF Inspection	JH3	filled hole with soil and seeded	5/10/2011	
1170	Cell 7 top	no	Groundhog holes	12/7/2010	December 2010 OSDF Inspection	HS1	filled hole with soil and seeded	5/10/2011	
1171	Cell 7 top west	no	Bare spot	12/7/2010	December 2010 OSDF Inspection	HS2	reseeded area	5/6/2011	
1172	Cell 1 west	no	Instrumentation marker down	12/7/2010	December 2010 OSDF Inspection	KV1	Re-installed marker	5/6/2011	
1179	EP Cell 5	no	Woody vegetation – outside fence	12/7/2010	December 2010 OSDF Inspection	JF6			
1180	EP Cell 5	no	Woody vegetation – outside fence	12/7/2010	December 2010 OSDF Inspection	JF7			
1188	WP VH 6	no	No recent groundhog activity (see previous inspection item JF8)	12/7/2010	December 2010 OSDF Inspection	JF15	Colapsed hole	5/6/2011	
1191	WP Cell 8	no	Erosion greater than one foot. Grass is growing in erosion fill stopping progression of erosion. Be careful if repaired – buried pipe! (Previous inspection JF12)	12/7/2010	December 2010 OSDF Inspection	JF18			
1192	Culvert pipes south of Cell 8	no	Three pipes contain minimal sediment (Based on visual observation due to ice on surface – previous inspection item JF16)	12/7/2010	December 2010 OSDF Inspection	JF19	See Item No. 1076	5/6/2011	
1193	EP Cell 4	no	Erosion is occurring around the concrete of several perimeter fence posts. Even with the erosion, the posts remain relatively solid. (Previous inspection item JF25)	12/7/2010	December 2010 OSDF Inspection	JF21			
1196	West bank of Swan Pond	No	Deer cages need removed or replaced	3/1/2011	March 2011 quarterly field walkdown	2			
1197	Waste Pits	No	Teasel patch	3/1/2011	March 2011 quarterly field walkdown	4			
1198	Former Production Area	No	Teasel patches	3/1/2011	March 2011 quarterly field walkdown	5			
1199	Waste Pits	No	Trash	3/1/2011	March 2011 quarterly field walkdown	7			
1200	Former rail yard	No	Broken culvert	3/1/2011	March 2011 quarterly field walkdown	10			
1201	East of Waste Pits	No	Teasel	3/1/2011	March 2011 quarterly field walkdown	16			
1202	West of Swan Pond	No	Teasel	3/1/2011	March 2011 quarterly field walkdown	17			
1203	North Access	No	trash at entrance	3/8/2011	March 2011 point-specific IC inspection	na			
1204	Perimeter Signs S4, S12, S62, S69	No	signs are leaning over	3/8/2011	March 2011 point-specific IC inspection	na			
1205	Trestle	No	Vegetation growing in fence	3/8/2011	March 2011 point-specific IC inspection	na			

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1206	Cell 8, south face (mid)	No	Groundhog hole	3/8/2011	March 2011 OSDF Inspection	SB4	filled hole with soil and seeded	5/10/2011	
1207	Cell 8, southwest corner	No	Groundhog hole	3/8/2011	March 2011 OSDF Inspection	SB5			
1208	Cell 1, east face (mid)	No	2 Bare areas	3/8/2011	March 2011 OSDF Inspection	LH1	reseeded area	5/6/2011	also removed large rock
1209	Cell 7, west face (mid)	No	Cut woody vegetation, still green	3/8/2011	March 2011 OSDF Inspection	LH2	no action necessary	5/6/2011	vegetation is dead
1210	Cell 8, southwest corner	No	Large bare area	3/8/2011	March 2011 OSDF Inspection	LH3	reseeded area	5/6/2011	
1211	Cell 5/6, east toe	No	Broken survey marker	3/8/2011	March 2011 OSDF Inspection	JC1			
1212	Cell 7, east 6:1	No	Bare area	3/8/2011	March 2011 OSDF Inspection	JH1	reseeded area	5/6/2011	
1213	Cell 4, west inner drain	No	Pea gravel in rip rap	3/8/2011	March 2011 OSDF Inspection	HS2			
1214	SP culverts	No	Twin HDPE culvert partially clogged	3/8/2011	March 2011 OSDF Inspection	DN12			
1215	SWP	No	Lots of woody trees	3/8/2011	March 2011 OSDF Inspection	DN14			
1216	NP	No	Tree	3/8/2011	March 2011 OSDF Inspection	DN17			
1217	South deer fence – NW of on-site substation	No	Deer fence gate open	6/1/2011	June 2011 quarterly field walkdown	2			
1218	Berm south of VC Parking	No	Crown Vetch	6/1/2011	June 2011 quarterly field walkdown	3			
1219	South Pines deer fence (east)	No	Fence is sagging	6/1/2011	June 2011 quarterly field walkdown	4			
1220	SWU east fence	No	South side down	6/1/2011	June 2011 quarterly field walkdown	6			
1221	Fence S of dance hall	No	Fence broken loose at top	6/1/2011	June 2011 quarterly field walkdown	7			
1222	Radium hot spot	No	Deer fence south gate broken	6/1/2011	June 2011 quarterly field walkdown	9			
1223	SWU – deer fence east of trail	No	Deer fence top is down	6/1/2011	June 2011 quarterly field walkdown	10			
1224	Shingle Oak N deer fence	No	Limb on fence	6/1/2011	June 2011 quarterly field walkdown	11			
1225	West of Lodge Pond overlook	No	Deer fence sagging	6/1/2011	June 2011 quarterly field walkdown	14			
1226	Shingle Oak N deer fence	No	Limb on deer fence	6/1/2011	June 2011 quarterly field walkdown	15			

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1227	Shingle Oak S deer fence	No	Limb on deer fence	6/1/2011	June 2011 quarterly field walkdown	16			
1228	SWU east of trail	No	Teasel	6/1/2011	June 2011 quarterly field walkdown	17			
1229	SWU by well east of trail	No	Erosion	6/1/2011	June 2011 quarterly field walkdown	18			
1230	SWU east of deer fence	No	Teasel	6/1/2011	June 2011 quarterly field walkdown	19			
1231	SWU deer fence east of road	No	Teasel, thistle, crown vetch	6/1/2011	June 2011 quarterly field walkdown	21			
1232	West of SSOD	No	Teasel	6/1/2011	June 2011 quarterly field walkdown	22			
1233	West of SSOD	No	Teasel	6/1/2011	June 2011 quarterly field walkdown	23			
1234	Radium hot spot deer fence	No	Fence/door low	6/1/2011	June 2011 quarterly field walkdown	24			
1235	Silos pond	No	Crown vetch	6/1/2011	June 2011 quarterly field walkdown	25			
1236	South of VC parking lot	No	Thistle	6/1/2011	June 2011 quarterly field walkdown	26			
1237	SWU at top of hill	No	Teasel	6/1/2011	June 2011 quarterly field walkdown	27			
1238	SWU west deer fence	No	Teasel	6/1/2011	June 2011 quarterly field walkdown	28			
1239	South field	No	Canada thistle	6/1/2011	June 2011 quarterly field walkdown	29			
1240	South field	No	Dense poison ivy	6/1/2011	June 2011 quarterly field walkdown	30			
1241	SWU deer fence (east)	No	Door broken	6/1/2011	June 2011 quarterly field walkdown	31			
1242	Eco Park	No	Broken spring (does not affect barricade)	6/2/2011	June 2011 point-specific IC inspection	na			
1243	Perimeter Sign S45	No	Shrub has overgrown sign	6/2/2011	June 2011 point-specific IC inspection	na			
1244	Perimeter Signs S62, S69	No	Sign is leaning over	6/2/2011	June 2011 point-specific IC inspection	na			
1245	Trestle	No	Vegetation growing in fence.	6/2/2011	June 2011 point-specific IC inspection	na			
1246	Access Gate VU	No	Broken spring (does not affect barricade)	6/2/2011	June 2011 point-specific IC inspection	na			
1247	60-Inch Culvert	No	Debris build-up	6/2/2011	June 2011 point-specific IC inspection	na			

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1248	Cell 1, North (w) 6:1	No	Large rock	6/14/2011	June 2011 OSDF Inspection	BL2			
1249	Cell 7, west (n) 6:1	No	Thistle	6/14/2011	June 2011 OSDF Inspection	BL7			
1250	Cell 7, west 6:1	No	Rills	6/14/2011	June 2011 OSDF Inspection	BL8			
1251	Cell 8, east 6:1	No	Crown vetch	6/14/2011	June 2011 OSDF Inspection	BL9			
1252	Cell 5, east 6:1	No	Erosion	6/14/2011	June 2011 OSDF Inspection	BL10			
1253	Cell 7, west 6:1	No	Johnson grass	6/14/2011	June 2011 OSDF Inspection	LH2			
1254	Cell 8, SW 6:1	No	Thistle	6/14/2011	June 2011 OSDF Inspection	LH3			
1255	Cell 6/7, east 10:1	No	Thistle	6/14/2011	June 2011 OSDF Inspection	LH4			
1256	Cell 2/3, west 6:1	No	Hole approx 6"	6/14/2011	June 2011 OSDF Inspection	DB2			
1257	Cell 5, west 6:1	No	Hole	6/14/2011	June 2011 OSDF Inspection	DB3			
1258	Cell 6, west (s) 6:1	No	Thistle	6/14/2011	June 2011 OSDF Inspection	DB4			
1259	Cell 7, west (n) 6:1	No	Thistle	6/14/2011	June 2011 OSDF Inspection	DB5			
1260	Cell 7, west 6:1	No	Thistle	6/14/2011	June 2011 OSDF Inspection	DB6			
1261	Cell 8, south (e) 6:1	No	Thistle	6/14/2011	June 2011 OSDF Inspection	DB7			
1262	Cell 1/2, east 6:1	No	Erosion	6/14/2011	June 2011 OSDF Inspection	DB9			
1263	Cell 8, south 6:1	No	Canada thistle, poison hemlock	6/14/2011	June 2011 OSDF Inspection	JH1			
1264	Cell 3, west 6:1	No	Virginia creeper	6/14/2011	June 2011 OSDF Inspection	HS2			
1265	Cell 8, south	No	Canada thistle	6/14/2011	June 2011 OSDF Inspection	HS8			
1266	Cell 8, south	No	Canada thistle	6/14/2011	June 2011 OSDF Inspection	HS9			
1267	Cell 7, east top	No	Bare spot	6/14/2011	June 2011 OSDF Inspection	HS10			
1268	Cell 7, east top	No	Canada thistle	6/14/2011	June 2011 OSDF Inspection	HS11			

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1269	Cell 7, east top	No	Crown vetch	6/14/2011	June 2011 OSDF Inspection	HS12			
1270	Cell 7/6, west toe	No	Thistle	6/14/2011	June 2011 OSDF Inspection	LM7			
1271	Cell 8, west toe	No	Thistle	6/14/2011	June 2011 OSDF Inspection	LM8			
1272	Cell 8, west toe	No	Thistle	6/14/2011	June 2011 OSDF Inspection	LM9			
1273	Cell 8 south face	No	Thistle and poison hemlock	6/14/2011	June 2011 OSDF Inspection	LM10			
1274	Cell 8, east 6:1	No	Crown vetch	6/14/2011	June 2011 OSDF Inspection	LM11			
1275	Cell 2, west 10:1	No	Teasel	6/14/2011	June 2011 OSDF Inspection	DN2			
1276	Cell 7, east top	No	Rock	6/14/2011	June 2011 OSDF Inspection	DN3			
1277	Cell 2, east 10:1	No	Rock	6/14/2011	June 2011 OSDF Inspection	DN4			
1278	North fence (e)	No	Fence damaged	6/14/2011	June 2011 OSDF Inspection	DN5			
1279	NE corner fence	No	Trees in fence	6/14/2011	June 2011 OSDF Inspection	DN6			
1280	East fence, cell 2	No	Willows	6/14/2011	June 2011 OSDF Inspection	DN8			
1281	SW corner fence	No	Tree in fence	6/14/2011	June 2011 OSDF Inspection	DN12			
1282	West of VH 7	No	Old leachate line unreadable	6/14/2011	June 2011 OSDF Inspection	DN13			
1283	West fence	No	Suggest mowing along fence	6/14/2011	June 2011 OSDF Inspection	DN14			
1284	Southwest of OSDF, adjacent to Control Valve House	No	Trees and shrubs established in drainage	6/14/2011	June 2011 OSDF Inspection	NA			