



Department of Energy
Office of Legacy Management

July 13, 2010

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 2010 Fernald Preserve On-Site Disposal Facility Inspection Forms

The purpose of this letter is to transmit the completed forms for the June 2010 inspection of the On-Site Disposal Facility (OSDF) for your review. The inspection was conducted on June 8, 2010. 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) and the S.M. Stoller Corporation.

The inspection process is described in the 2009 Fernald Preserve Comprehensive Legacy Management and Institutional Controls Plan (LMICP). The June 2010 included an east/west walk-down of the entire cell cap and a walk-down of the toe of the OSDF, the drainages and fence line. As the photographs show, cell caps 1, 2 and 3 were mowed just prior to the inspection.

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 noxious weeds and woody vegetation. Many of these findings have been addressed through continued spot application of herbicide. Items identified that require maintenance are entered and tracked via the attached Fernald Preserve Maintenance and Repair Action Items form. Items on the list are shaded once completed, and items completed prior to February 2010 are hidden from view.

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

99 Research Park Road, Morgantown, WV 26505

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. 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.

Sincerely,



Jane Powell
Fernald Site Manager
DOE-LM-20.1

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 FER030.1(A) (thru W. Sumner)
Administrative Records (thru W. Sumner)

cc w/o enclosure:

T. Pauling, DOE-LM
J. Homer, Stoller
F. Johnston, Stoller
L. McHenry, Stoller

On-Site Disposal Facility Inspection Report

June 2010



U.S. DEPARTMENT OF
ENERGY

Legacy
Management



East Face Cell 1



West Face Cell 1



6319D-5790

North Face Cell 1



6319D-5791

North Drainage (looking west)



6319D-5794

East Face Cell 2



6319D-5786

West Face Cell 2



East Face Cell 3



West Face Cell 3



6319D-5797

East Face Cell 4



6319D-5783

West Face Cell 4



6319D-5798

East Face Cell 5



6319D-5782

West Face Cell 5



6319D-5799

East Face Cell 6



6319D-5781

West Face Cell 6



6319D-5800

East Face Cell 7



6319D-5799

West Face Cell 7



6319D-5802

East Face Cell 8



6319D-5778

West Face Cell 8



6319D-5804

South Face Cell 8



6319D-5803

South Drainage (looking west)



6219D-5801

East Drainage Cell 7 (looking south)



6319D-5796

East Drainage Cell 4 (looking south)



6319D-5792

East Drainage Cell 1 (looking south)



6319D-5780

West Inner Drainage Cell 7 (looking south)



6319D-5784

West Inner Drainage Cell 4 (looking south)



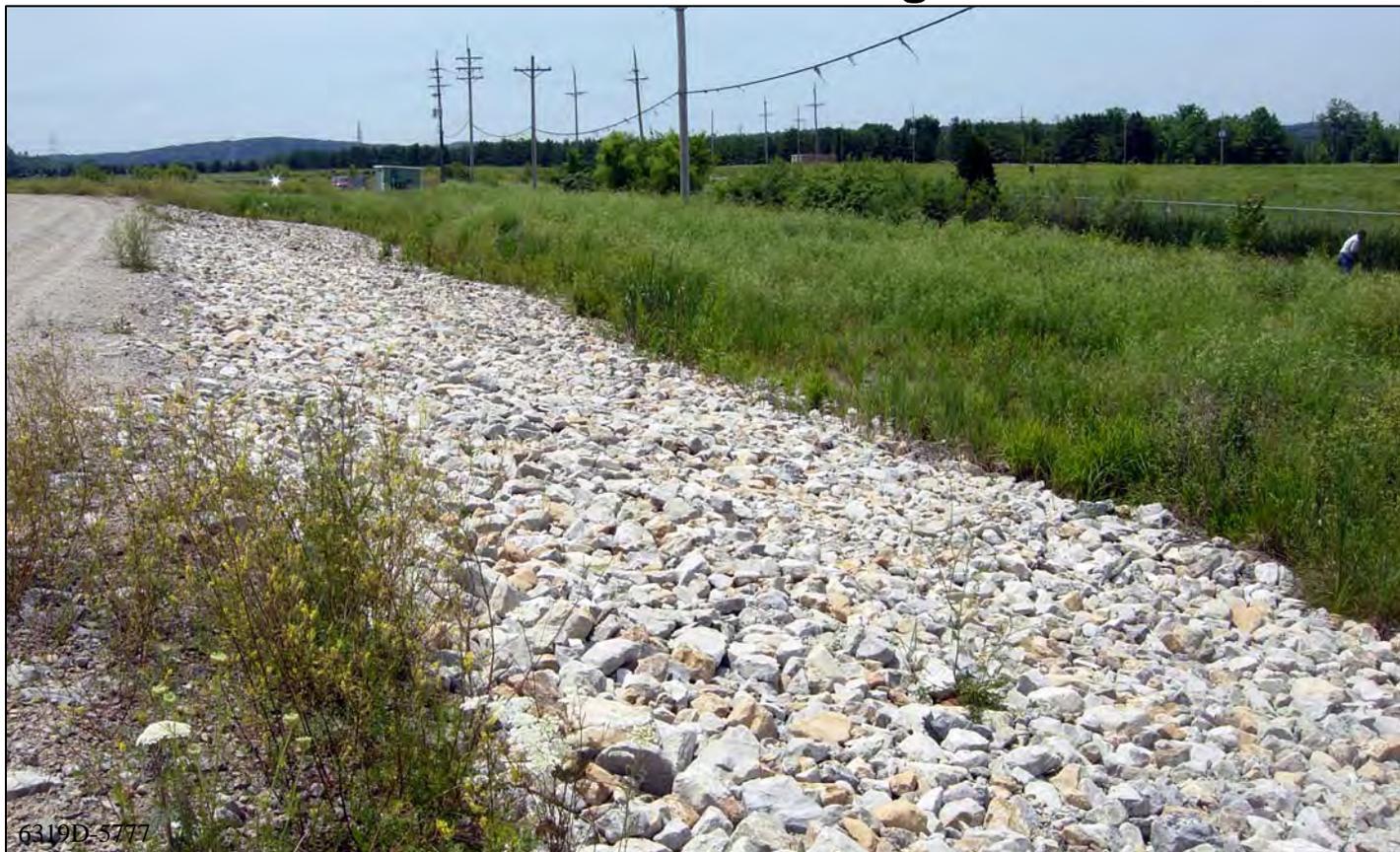
6319D-5789

West Inner Drainage Cell 1 (looking south)



6319D-5788

West Outer Drainage Cell 1 (looking south)



6319D-5777

West Outer Drainage Cell 8 (looking south)



6319D-5776

West Outer Drainage Cell 8 (looking north)

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Fernald Preserve OSDF Walkdown Inspection

Date June 8, 2010 Inspector SM Stoller, OEPA, Jim Fleck Cell Cap/Area Cell cap 1-8 walkdown

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
SB1	Cell 1, east toe				X			Gray dogwood		X		
SB2	Cell 3, west toe				X			Sumac		X		
SB3	Cell 4, west toe				X			Buckthorn			X	
SB4	Cell 7, top				X			Thistle patch		X		
HS1	Cell 1, NE top				X			Woody stem		X		
HS2	Cell 2, east edge of road				X			Woody stem		X		
HS3	Cell 2, east 6:1				X			Thistle		X		
HS4	Cell 2, west 6:1				X			Teasel		X		
AD1	Cell 2, west at edge of road and riprap				X			Woody stem		X		
AD2	Cell 4, top				X			Teasel		X		
HB1	Cell 2, east top				X			Thistle		X		
HB2	Cell 5/6, east top				X			Thistle		X		
HB3	Cell 8, east				X			Thistle		X		
LH1	Cell 1, north				X			Thistle patches		X		
LH2	Cell 2/3, east, top and west				X			Thistle patches		X		
LH3	Cell 5/6, west				X			Thistle		X		
LH4	Cell 8, west				X			Thistle		X		
LM1	Cell 3, west 6:1						X	Rock			X	
LM2	Cell 5, east 6:1				X			Patch of Canada thistle		X		
LM3	Cell 5, top				X			Thistle		X		
LM4	Cell 7, west				X			Crown vetch		X		
JH1	Cell 3, east 6:1						X	Rock			X	
JH2	Cell 7/8, top east				X			Thistle		X		
JF1	Cell 5, east 6:1				X			Woody vegetation			X	
JF2	Cell 5, west 6:1				X			Bull thistle			X	
JF3	Cell 5, west 6:1				X			Bull thistle			X	
JF4	Cell 6, west 20:1				X			Canada thistle, approximately 50'x50' area			X	
JF5	Cell 8, east 6:1				X			Bull thistle (clipped see heads) 30 foot radius – hidden among other vegetation			X	
JF6	Cell 8, south 6:1				X			Bull thistle (clipped seed heads)			X	
JF7	WP, northwest of VH-8				X			Canada thistle patch – 50' radius			X	
JF8	WP, west of VH-1				X			Canada thistle patch – 50' radius			X	
JF9	NP, drainage				X			Woody vegetation (mostly cottonwood and willow) more prevalent west of the centerline			X	
JF10	NEP, drainage and along fence				X			Woody vegetation			X	
JF11	NEP, drainage to fence				X			Large patch of Canada thistle			X	

U.S. Department of Energy Office of Legacy Management

Fernald Preserve OSDF Walkdown Inspection (continued)

Date _____ Inspector _____ Cell Cap/Area _____

JF12	EP, Cell 3, drainage riprap				X				Canada thistle				X
JF13	EP, Cell 4/5 in riprap				X				Canada thistle – 50' north and south of flag				X
JF14	EP, Cell 5, drainage riprap and cattails				X				Woody vegetation and Canada thistle				X
JF15	SEP, Cell 8, east end				X				Canada thistle (most heads clipped)				X
JF16	SP, south of drainage in cattails				X				Phragmites				X
JF17	SP, west of drainage				X				Crown vetch				X
JF18	WP, west of VH-6					X			Groundhog hole. Uncertain about recent activity – JF-10 from previous				X
JF19	WP, GIS structure outlet ditch between Cells 6 and 7						X		ILTS was cut when the ditch from the GIS pipe outlet to the perimeter fence was reworked in 2008. There needs to be additional measures to restrict the possibility of future use of the ILTS (previous inspection item JF-11)				X
JF20	SP culvert pipes						X		West and middle pipes contain 4 inches of sediment (2 inches on east pipe)				X
JF21	WP, southwest of VH-8		X						Erosion – greater than one foot. Grass is growing in erosion rill stopping progression of erosion. Be careful if repaired – Buried pipe! (previous inspection JF13)				X
JF22	EP, fence posts		X						Erosion is occurring around the concrete of several perimeter fence posts. Even with the erosion, the posts remain solid. Continued monitoring is necessary. (Previous inspection JF14)				X
JF23	WP, between VH-4 and 5						X		OSDF perimeter fence repair (previous inspection item JF17) is temporary in nature				X

Additional Notes

**FERNALD PRESERVE MAINTENANCE AND REPAIR ACTION ITEMS
JULY 2010 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			
356	EP	No	Erosion at fence post.	6/5/2008	June 2008 quarterly OSDF walkdown	JF25			
413	West perimeter	No	Rutting behind Valve House No. 8.	9/2/2008	September 2008 quarterly OSDF walkdown	JF14			
456	East fenceline	No	Tree tube set next to FP sign	9/3/2008	September 2008 quarterly field walkdown	37			
508	Biowetland/SF Wetland	No	Minor erosion at southwest locations on berm	11/17/2008	Casual observation	na			
535	Lodge Pond Trail - south leg by aesthetic barrier	No	Ruts need repaired	12/8/2008	Weekly trail inspection	NA			
575	BB Box 001 - East boundary	Yes	Some rot in upright holder board. Needs linseed oiled	11/5/2008	Annual wildlife box inspection	NA			
576	BB Box 005 - East boundary	Yes	Locking mechanism loose	11/5/2008	Annual wildlife box inspection	NA			
577	Wood Duck Box 016 - East boundary	Yes	Broken bolt	11/5/2008	Annual wildlife box inspection	NA			
578	BB Box 017 - East boundary	Yes	New latch and ladder repair needed	11/5/2009	Annual wildlife box inspection	NA			
579	BB Box 018 - East boundary	Yes	Needs new latch	11/5/2009	Annual wildlife box inspection	NA			
580	BB Box 019 - East boundary	Yes	general replacement	11/5/2009	Annual wildlife box inspection	NA			
581	BB Box 020 - East boundary	Yes	general replacement	11/5/2009	Annual wildlife box inspection	NA			
582	BB Box 023 - East boundary	Yes	Needs new latch	11/5/2009	Annual wildlife box inspection	NA			
583	Kestrel Box 027 - East boundary	Yes	Add shavings	11/5/2009	Annual wildlife box inspection	NA			
584	Kestrel Box 028 - East boundary	Yes	Add shavings	11/5/2009	Annual wildlife box inspection	NA			
585	Kestrel Box 029 - East boundary	Yes	Add shavings	11/5/2009	Annual wildlife box inspection	NA			
586	BB Box 060 - Former Production Area	Yes	Replace predator board	12/29/2008	Annual wildlife box inspection	NA			
587	BB Box 067 - Waste Pits Area	Yes	Replace post supporting box	12/30/2008	Annual wildlife box inspection	NA			

No.	Location	GPS?	Maintenance item identified	Date identified	Origin of Finding	Inspection Finding No.	Resolution	Date of resolution	Comments
588	BB Box 105 - Paddys Run	Yes	Coming off of pole	12/31/2008	Annual wildlife box inspection	NA			
589	BB Box 109 - Paddys Run	Yes	Door hinge needs repair	1/2/2009	Annual wildlife box inspection	NA			
590	BB Box 111 - Paddys Run	Yes	Needs new latch	1/2/2009	Annual wildlife box inspection	NA			
591	Butterfly Box 114 - Paddys Run	Yes	Needs oiled	1/2/2009	Annual wildlife box inspection	NA			Put bark in box
594	Weapons to Wetland trail - North/south section of trail	No	Erosion along side of trail - water running over trail is cutting rill.	12/22/2008	Weekly trail inspection	NA			
613	Waste pits - west	No	Bird box down	3/3/2009	March 2009 quarterly field walkdown	11			
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			
694	East face cell 8 near top	No	Rock greater than 4-inches	3/12/2009	March 2009 quarterly OSDF inspection	JH1			
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			
708	Fence posts along east side of OSDF	No	Erosion is occurring around the concrete of several perimeter fence posts. Even with the erosion, the posts remain solid. Continued monitoring is necessary.	3/12/2009	March 2009 quarterly OSDF inspection	JF16			
712	stand of trees across from Access V4	No	Poison hemlock needs mowed/trimmed	6/2/2009	Casual observation	NA			
721	North edge of Visitors Center parking lot	No	Erosion	6/9/2009	June 2009 quarterly field walkdown	1			
728	North side of SWU slope	No	Concrete debris	6/9/2009	June 2009 quarterly field walkdown	15			
743	West of Visitor Center parking	No	Erosion	6/9/2009	June 2009 quarterly field walkdown	36			
754	Basin south of Visitors Center	No	Erosion	6/9/2009	June 2009 quarterly field walkdown	48			
756	Old SWU access road	No	large erosion rill	6/9/2009	June 2009 quarterly field walkdown	53			

No.	Location	GPS?	Maintenance item identified	Date identified	Origin of Finding	Inspection Finding No.	Resolution	Date of resolution	Comments
757	Former silos area	No	Wide erosion, partially vegetated	6/9/2009	June 2009 quarterly field walkdown	57			
760	East SWU	No	Erosion	6/9/2009	June 2009 quarterly field walkdown	61			
765	Southwest corner west SWRB	No	Erosion	6/9/2009	June 2009 quarterly field walkdown	68			
766	SWU - east gravel road	No	Erosion	6/9/2009	June 2009 quarterly field walkdown	70			
772	North of active flyash	No	erosion	6/9/2009	June 2009 quarterly field walkdown	78			
774	Interior Access VA	No	reflective tape coming off	6/4/2009	June 2009 point-specific IC inspection	NA			
775	Interior Access VI	No	reflective tape coming off	6/4/2009	June 2009 point-specific IC inspection	NA			
780	OSDF Cell 7, east toe of slope	No	animal burrow	6/2/2009	June 2009 quarterly OSDF inspection	DB5			
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			
787	East access to North pines off of north access road	No	Rubber honeycomb matting in ground	9/2/2009	September 2009 quarterly field walkdown	21			
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			
790	North pines	No	Cultural Resource sign coming off post	9/2/2009	September 2009 quarterly field walkdown	24			
791	North end of triangle - North of OSDF	No	PVC pipe and garbage	9/2/2009	September 2009 quarterly field walkdown	27			
792	Pines along south access	No	Thistle	9/2/2009	September 2009 quarterly field walkdown	29			
793	East side of Lodge Pond basin	No	Concrete and fabric (<i>Item identified as concrete is NOT concrete</i>)	9/2/2009	September 2009 quarterly field walkdown	35			
794	North pines, east deer fence on mowed path	No	pipe (black)	9/2/2009	September 2009 quarterly field walkdown	36			
795	Pines along south access	No	thistle	9/2/2009	September 2009 quarterly field walkdown	37			

No.	Location	GPS?	Maintenance item identified	Date identified	Origin of Finding	Inspection Finding No.	Resolution	Date of resolution	Comments
799	East side of Lodge Pond	No	T-posts in rows - not sure of purpose.	9/2/2009	September 2009 quarterly field walkdown	44			
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			
823	OSDF east drain	No	Standing water, cattails, wood vegetation	9/10/2009	September 2009 OSDF Inspection	BL6			
824	OSDF Cell 3 east drainage	No	Canada thistle - not flagged	9/10/2009	September 2009 OSDF Inspection	JH1			

No.	Location	GPS?	Maintenance item identified	Date identified	Origin of Finding	Inspection Finding No.	Resolution	Date of resolution	Comments
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			
841	North perimeter	No	Thistle (previous inspection JF9)	9/10/2009	September 2009 OSDF Inspection	JF18			
846	A8P11 Parking lot	No	U-post at entrance needs removed	12/14/2009	December 2009 quarterly field walkdown	1			
847	A8P11 south end	No	Tree tubes need to be removed	12/14/2009	December 2009 quarterly field walkdown	2			
848	A8P11-North	No	Patch of Canada thistle	12/14/2009	December 2009 quarterly field walkdown	3	Herbicide applied	May-10	
849	Field south of Duke substation on Paddys Run Road	No	Slump erosion on bank	12/14/2009	December 2009 quarterly field walkdown	4			
850	Field south of Duke substation on Paddys Run Road	No	Slump erosion on bank	12/14/2009	December 2009 quarterly field walkdown	5			
851	Duke Energy substation	No	Debris	12/14/2009	December 2009 quarterly field walkdown	6			
853	Field south of Duke substation on Paddys Run Road	No	Vehicle tracks (4-wheeler)	12/14/2009	December 2009 quarterly field walkdown	8			
854	Field south of Duke substation on Paddys Run Road	No	Slough erosion on bank	12/14/2009	December 2009 quarterly field walkdown	9			
855	Duke Energy substation	No	Trash washed down from road	12/14/2009	December 2009 quarterly field walkdown	10			
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			
859	A6P1/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	A8P11-North	No	North deer fence needs repair at south end	12/14/2009	December 2009 quarterly field walkdown	15			
861	Field at Rainbow bridge	No	Deer fence is damaged	12/14/2009	December 2009 quarterly field walkdown	16			
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			
864	Field at Rainbow bridge	No	Deer fence is damaged	12/14/2009	December 2009 quarterly field walkdown	19			
865	Field north of Duke Energy substation on Paddys Run Road	No	Trash in gully	12/14/2009	December 2009 quarterly field walkdown	20			

No.	Location	GPS?	Maintenance item identified	Date identified	Origin of Finding	Inspection Finding No.	Resolution	Date of resolution	Comments
869	A8P11	No	Wooden post	12/14/2009	December 2009 quarterly field walkdown	24			
870	A8P111-North	No	Pipe is separated	12/14/2009	December 2009 quarterly field walkdown	25			
871	A8P111-North	No	Several sign posts need to be removed	12/14/2009	December 2009 quarterly field walkdown	26			
873	A8P11	No	Deer tubes need to be removed	12/14/2009	December 2009 quarterly field walkdown	28			
874	A8P11	No	Missing sign	12/14/2009	December 2009 quarterly field walkdown	29			
875	A8P111-North	No	Deer fence needs repair	12/14/2009	December 2009 quarterly field walkdown	30			
876	A8P111-North	No	Deer fence needs repair	12/14/2009	December 2009 quarterly field walkdown	31			
877	A8P111-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			
882	Cell 4 west toe	No	Canada thistle	12/3/2009	December 2009 OSDF Inspection	HS1	Herbicide applied	May-10	
883	Cell 5 west toe	No	Teasel rosettes	12/3/2009	December 2009 OSDF Inspection	HS2	Herbicide applied	May-10	
884	Cell 6 west toe	No	Teasel rosettes	12/3/2009	December 2009 OSDF Inspection	HS3	Herbicide applied	May-10	
885	Cell 8 southeast toe	No	Canada thistle	12/3/2009	December 2009 OSDF Inspection	HS4	Herbicide applied	May-10	
886	Cell 7 east slope	No	Canada thistle	12/3/2009	December 2009 OSDF Inspection	HS5	Herbicide applied	May-10	
887	Cell 2 east slope	No	Musk thistle	12/3/2009	December 2009 OSDF Inspection	HS6	Cell cap mowed	May-10	
889	Cell 7/8 east side across from tower	No	Bull thistle patch	12/3/2009	December 2009 OSDF Inspection	DB4	Herbicide applied	May-10	
890	Cell 2/3 east side near toe	No	Bull thistle patch	12/3/2009	December 2009 OSDF Inspection	DB5	Cell cap mowed	May-10	
891	Cell 2/3 east side near toe	No	Bull thistle patch	12/3/2009	December 2009 OSDF Inspection	DB6	Cell cap mowed	May-10	
892	Cell 6 east side	No	Small mammal colony	12/3/2009	December 2009 OSDF Inspection	HB5			
893	Cell 2 east side	No	Groundhog hole	12/3/2009	December 2009 OSDF Inspection	HB7			

No.	Location	GPS?	Maintenance item identified	Date identified	Origin of Finding	Inspection Finding No.	Resolution	Date of resolution	Comments
894	Cell 1 northeast corner	No	Groundhog hole - dug up gravel	12/3/2009	December 2009 OSDF Inspection	HB8			
895	Cells 1-3 top	No	Cool season grasses, thistle	12/3/2009	December 2009 OSDF Inspection	BL2	Cell cap mowed	May-10	
896	Cell 8 east side	No	clover, cool season grasses	12/3/2009	December 2009 OSDF Inspection	BL3			
897	Cell 8 east side	No	Thistle resprout	12/3/2009	December 2009 OSDF Inspection	BL4	Herbicide applied	May-10	
898	Cell 5 east side	No	Thistle	12/3/2009	December 2009 OSDF Inspection	BL5	Herbicide applied	May-10	
899	Cell 2 east side	No	Thistle rosettes	12/3/2009	December 2009 OSDF Inspection	BL7	Cell cap mowed	May-10	
900	Cell 7 top/east	No	Thistle patch	12/3/2009	December 2009 OSDF Inspection	SB4	Herbicide applied	May-10	
901	Cell 3 east 10:1	No	Resprouting thistle	12/3/2009	December 2009 OSDF Inspection	JH2	Cell cap mowed	May-10	
902	Cell 3/4 west	No	Thistle	12/3/2009	December 2009 OSDF Inspection	LH1	Cell cap mowed	May-10	
904	Cell 1 west	No	Thistle patches	12/3/2009	December 2009 OSDF Inspection	LH4	Cell cap mowed	May-10	
905	Cell 2 west near top	Yes	Thistle resprout	12/3/2009	December 2009 OSDF Inspection	AD1	Cell cap mowed	May-10	
906	Cell 4 west face (mid)	Yes	Thistle	12/3/2009	December 2009 OSDF Inspection	AD2	Herbicide applied	May-10	
907	Cell 3 west face (mid)	No	Thistle patch	12/3/2009	December 2009 OSDF Inspection	LM1	Cell cap mowed	May-10	
908	Cell 5 west face (mid)	No	Thistle patch	12/3/2009	December 2009 OSDF Inspection	LM2	Herbicide applied	May-10	
913	West perimeter - fence between VH-4 and VH-5	No	Closer inspection of OSDF perimeter fence repair (previous inspection item JF4) reveals that the repair previously noted is temporary in nature.	12/3/2009	December 2009 OSDF Inspection	JF6			
919	South bank of Union Pond	No	Erosion rill	3/11/2010	March 2010 quarterly field walkdown	1			
920	Southeast of 5 oak trees	No	Trash pile	3/11/2010	March 2010 quarterly field walkdown	2	Cleared during debris removal activities	May-10	
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			

No.	Location	GPS?	Maintenance item identified	Date identified	Origin of Finding	Inspection Finding No.	Resolution	Date of resolution	Comments
924	Knoll between ponds	No	Teasel	3/11/2010	March 2010 quarterly field walkdown	6	Area mowed	June-10	Herbicide application to follow.
925	Knoll between ponds	No	Teasel	3/11/2010	March 2010 quarterly field walkdown	7	Area mowed	June-10	Herbicide application to follow.
926	Ridge east of pond	No	Thistle	3/11/2010	March 2010 quarterly field walkdown	8	Area mowed	June-10	Herbicide application to follow.
927	Northeast of Skillet Pond	No	Scattered thistle	3/11/2010	March 2010 quarterly field walkdown	9	Herbicide applied	June-10	
928	East bank of Skillet Pond	No	Thistle and teasel	3/11/2010	March 2010 quarterly field walkdown	10	Herbicide applied	June-10	
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			
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			
937	Top of 4B Pond	No	Thistle	3/11/2010	March 2010 quarterly field walkdown	19	Thistle seed heads removed and herbicide applied	June-10	
938	Field north of pond	No	Thistle	3/11/2010	March 2010 quarterly field walkdown	20	Area mowed	June-10	Herbicide application to follow.
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			
942	Northeast bank of pond	No	Thistle	3/11/2010	March 2010 quarterly field walkdown	24	Area mowed	June-10	Herbicide application to follow.
943	East bank of drainage	No	Thistle	3/11/2010	March 2010 quarterly field walkdown	25			

No.	Location	GPS?	Maintenance item identified	Date identified	Origin of Finding	Inspection Finding No.	Resolution	Date of resolution	Comments
944	North bank of Swan pond	No	Several cages/wire fence down	3/11/2010	March 2010 quarterly field walkdown	26			
945	Northwest corner of Swan Pond	No	Erosion under plastic fence	3/11/2010	March 2010 quarterly field walkdown	28			
946	Southwest corner of Swan Pond	No	Erosion	3/11/2010	March 2010 quarterly field walkdown	29			
947	Along road from VC to well 33	No	Dress up dirt piles	3/11/2010	March 2010 quarterly field walkdown	30			
948	South end of swale west of well 33	No	Rail tie and fencing	3/11/2010	March 2010 quarterly field walkdown	31			
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			
950	Along north drainage ditch on north side of waste pits	No	Old T-Post	3/11/2010	March 2010 quarterly field walkdown	33			
951	East end of pond	No	Old culvert exposed in sandy area	3/11/2010	March 2010 quarterly field walkdown	34			
952	East end of pond	No	Erosion	3/11/2010	March 2010 quarterly field walkdown	35			
953	Near well house 33	No	Work supplies and trash needs to be picked up	3/11/2010	March 2010 quarterly field walkdown	36			
954	Along ridge	No	Thistle	3/11/2010	March 2010 quarterly field walkdown	37			
955	West bank of pond	No	Thistle and erosion	3/11/2010	March 2010 quarterly field walkdown	38			
956	East bank of pond	No	Old flag	3/11/2010	March 2010 quarterly field walkdown	39			
957	East bank of pond	No	Erosion greater than 18-inches	3/11/2010	March 2010 quarterly field walkdown	40			
958	Ridge between ponds	No	Erosion	3/11/2010	March 2010 quarterly field walkdown	41			
959	East end of pond	No	Erosion greater than 18-inches	3/11/2010	March 2010 quarterly field walkdown	42			
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 trash rack at south end of west ditch just inside south perimeter fence	3/18/2010	March 2010 OSDF Inspection	JF9			
967	West of VH 6	No	Groundhog has opened hole closed during December 2009 inspection (see previous inspection item JF12)	3/18/2010	March 2010 OSDF Inspection	JF10			
968	Between ponds west of Visitors Center parking lot	No	Thistle	6/2/2010	June 2010 quarterly field walkdown	1	Herbicide applied	June-10	

No.	Location	GPS?	Maintenance item identified	Date identified	Origin of Finding	Inspection Finding No.	Resolution	Date of resolution	Comments
969	Island in pond	No	Erosion and lack of vegetation	6/2/2010	June 2010 quarterly field walkdown	2			
970	North of "dance hall"	No	Teasel	6/2/2010	June 2010 quarterly field walkdown	3	Herbicide applied	June-10	
971	Southwest of "dance hall"	No	Teasel	6/2/2010	June 2010 quarterly field walkdown	4	Herbicide applied	June-10	
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			
977	West of Visitors Center parking lot	No	Thistle	6/2/2010	June 2010 quarterly field walkdown	10	Herbicide applied	June-10	
978	Northwest of glacial erratic	No	Thistle	6/2/2010	June 2010 quarterly field walkdown	11	Herbicide applied	June-10	
980	Along east Shingle Oak	No	Thistle	6/2/2010	June 2010 quarterly field walkdown	12	Herbicide applied	June-10	
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			
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			
985	SWU slope	No	Thistle	6/2/2010	June 2010 quarterly field walkdown	17	Herbicide applied	June-10	
986	Near "salamander habitat"	No	Erosion	6/2/2010	June 2010 quarterly field walkdown	18			
987	SWU west deer fence	No	Thistle	6/2/2010	June 2010 quarterly field walkdown	19	Herbicide applied	June-10	
988	South field prairie	No	Thistle	6/2/2010	June 2010 quarterly field walkdown	20	Herbicide applied	June-10	
989	North of silo ponds	No	Patchy vegetation	6/2/2010	June 2010 quarterly field walkdown	21			

No.	Location	GPS?	Maintenance item identified	Date identified	Origin of Finding	Inspection Finding No.	Resolution	Date of resolution	Comments
990	Deer fence north of dance hall	No	Lots of herbaceous invasives	6/2/2010	June 2010 quarterly field walkdown	22	Herbicide applied	June-10	
991	Deer fence north of substation	No	Teasel	6/2/2010	June 2010 quarterly field walkdown	23	Herbicide applied	June-10	
992	Paddys Run – silos riprap	No	Reed canary grass	6/2/2010	June 2010 quarterly field walkdown	24			
993	SWU “salamander habitat”	No	Sporadic thistle	6/2/2010	June 2010 quarterly field walkdown	25	Herbicide applied	June-10	
994	SWU floodplain	No	Old cage needs removed	6/2/2010	June 2010 quarterly field walkdown	26			
995	SWU	No	Thistle patch	6/2/2010	June 2010 quarterly field walkdown	27	Herbicide applied	June-10	
996	SWRB southwest corner	No	Thistle patch	6/2/2010	June 2010 quarterly field walkdown	28			
997	East of SSOD	No	Water seeping from manhole	6/2/2010	June 2010 quarterly field walkdown	29			
998	West of Shingle Oak Trail	No	Possible coyote den	6/2/2010	June 2010 quarterly field walkdown	30			
999	Northeast of north silo pond	No	Erosion	6/2/2010	June 2010 quarterly field walkdown	31			
1000	West of Visitors Center parking lot	No	Thistle	6/2/2010	June 2010 quarterly field walkdown	32	Herbicide applied	June-10	
1001	South of Visitors Center parking lot	No	Thistle	6/2/2010	June 2010 quarterly field walkdown	33			
1002	South of Visitors Center parking lot in woods	No	Honeysuckle	6/2/2010	June 2010 quarterly field walkdown	34			
1003	East of arsenic hot spot	No	Thistle	6/2/2010	June 2010 quarterly field walkdown	35			
1004	Southeast of arsenic hot spot	No	Multiflora rose	6/2/2010	June 2010 quarterly field walkdown	36			
1005	Junction of Shingle Oak and Sycamore trails	No	Thistle	6/2/2010	June 2010 quarterly field walkdown	37			
1006	South pines north of Sycamore trail	No	Honeysuckle all over	6/2/2010	June 2010 quarterly field walkdown	38			
1007	South pines	No	Thistle	6/2/2010	June 2010 quarterly field walkdown	39			
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			

No.	Location	GPS?	Maintenance item identified	Date identified	Origin of Finding	Inspection Finding No.	Resolution	Date of resolution	Comments
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			
1015	South side of Sycamore trail at top of SWU	No	Teasel	6/2/2010	June 2010 quarterly field walkdown	47	Herbicide applied	July-10	
1016	At loop split on Sycamore trail	No	Teasel	6/2/2010	June 2010 quarterly field walkdown	48	Herbicide applied	July-10	
1017	East side of loop on Sycamore, South of east deer fence	No	Thistle	6/2/2010	June 2010 quarterly field walkdown	49	Herbicide applied	June-10	
1018	East side of loop on Sycamore, South of east deer fence	No	Teasel	6/2/2010	June 2010 quarterly field walkdown	50	Herbicide applied	June-10	
1019	Southeast of dance hall	No	Teasel	6/2/2010	June 2010 quarterly field walkdown	51			
1020	Southeast of dance hall	No	Honeysuckle	6/2/2010	June 2010 quarterly field walkdown	52			
1021	West of well road in south field	No	Metal wire and old skid	6/2/2010	June 2010 quarterly field walkdown	53			
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			
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			
1029	Cell 3, west 6:1	No	Rock	6/8/2010	June 2010 OSDF Inspection	LM1			

No.	Location	GPS?	Maintenance item identified	Date identified	Origin of Finding	Inspection Finding No.	Resolution	Date of resolution	Comments
1030	Cell 3, east 6:1	No	Rock	6/8/2010	June 2010 OSDF Inspection	JH1			
1031	Cell 5, east 6:1	No	Woody vegetation	6/8/2010	June 2010 OSDF Inspection	JF1			
1032	Cell 5, west 6:1	No	Bull thistle	6/8/2010	June 2010 OSDF Inspection	JF2			
1033	Cell 5, west 6:1	No	Bull thistle	6/8/2010	June 2010 OSDF Inspection	JF3			
1034	Cell 6, west 20:1	No	Canada thistle, approximately 50'x50' area	6/8/2010	June 2010 OSDF Inspection	JF4			
1035	Cell 8, east 6:1	No	Bull thistle (clipped see heads) 30 foot radius – hidden among other vegetation	6/8/2010	June 2010 OSDF Inspection	JF5			
1036	Cell 8, south 6:1	No	Bull thistle (clipped seed heads)	6/8/2010	June 2010 OSDF Inspection	JF6			
1037	WP, northwest of VH-8	No	Canada thistle patch – 50' radius	6/8/2010	June 2010 OSDF Inspection	JF7			
1038	WP, west of VH-1	No	Canada thistle patch – 50' radius	6/8/2010	June 2010 OSDF Inspection	JF8			
1039	NP, drainage	No	Woody vegetation (mostly cottonwood and willow) more prevalent west of the centerline	6/8/2010	June 2010 OSDF Inspection	JF9			
1040	NEP, drainage and along fence	No	Woody vegetation	6/8/2010	June 2010 OSDF Inspection	JF10			
1041	NEP, drainage to fence	No	Large patch of Canada thistle	6/8/2010	June 2010 OSDF Inspection	JF11			
1042	EP, Cell 3, drainage riprap	No	Canada thistle	6/8/2010	June 2010 OSDF Inspection	JF12			
1043	EP, Cell 4/5 in riprap	No	Canada thistle – 50' north and south of flag	6/8/2010	June 2010 OSDF Inspection	JF13			
1044	EP, Cell 5, drainage riprap and cattails	No	Woody vegetation and Canada thistle	6/8/2010	June 2010 OSDF Inspection	JF14			
1045	SEP, Cell 8, east end	No	Canada thistle (most heads clipped)	6/8/2010	June 2010 OSDF Inspection	JF15			
1046	SP, south of drainage in cattails	No	Phragmites	6/8/2010	June 2010 OSDF Inspection	JF16			
1047	SP, west of drainage	No	Crown vetch	6/8/2010	June 2010 OSDF Inspection	JF17			
1048	WP, west of VH-6	No	Groundhog hole. Uncertain about recent activity – JF-10 from previous	6/8/2010	June 2010 OSDF Inspection	JF18			



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Legend

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



**Fernald Preserve
 OSDF (On-Site Disposal Facility)
 June 2010 Inspection findings requiring
 maintenance or follow-up**