Stoller

established 1959

Task Order LM00-502
Control Number 14-0263

January 14, 2014

U.S. Department of Energy
Office of Legacy Management
ATTN: Christina M. Pennal
Contracting Officer Representative
2597 Legacy Way
Grand Junction, CO 81503

SUBJECT: Contract No. DE-AM01-07000LM00060, S.M. Stoller Corporation (Stoller)
Task Order LM00-502, LTS&M – Other Defense Activities
Transmittal of Task Order Deliverable: "*Submit Q1 OSDF Inspection Report*"
Activity Code OSDF14-1405 – Completed January 14, 2014

REFERENCE: LM00-502-06-506 ODA CERCLA/RCRA Site, Fernald, OH

Dear Ms. Pennal:

The purpose of this letter is to transmit the completed forms for the December 2013 inspection of the On-Site Disposal Facility (OSDF). The inspection was conducted on December 11, 2013. 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 *Fernald Preserve Comprehensive Legacy Management and Institutional Controls Plan* (LMICP) describes the inspection process. The December 2013 inspection included a walk of the toe, drainages, and fence line. Originally, the December inspection was to also include a walk-down of the entire OSDF cell cap area. However, due to inclement weather, snow cover, and ensuring the safety of the inspection participants, the cell cap walk-down has been postponed until March 2014.

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. The form was recently revised to better mimic a new maintenance database into which the inspection findings are entered.

The consolidated *Fernald Preserve OSDF Walk-down Inspection Report* and map documenting the findings from the inspection are included with this report. Most findings were related to the presence of woody vegetation and signs that need to be re-attached. No major changes were observed in the status of erosion along the toe of the slope or the fence line. These findings have been noted during previous inspections and maintenance at these locations is ongoing.

Inspectors continued to observe restricted flow in several locations along the west inner drainage. These findings have been evaluated as part of a "follow-up" inspection, pursuant to Section 7.2 of the *Post Closure Care and Inspection Plan*. A technical review was provided to U.S. and Ohio EPA in October, 2013. DOE continues to discuss a path forward for repair of the drainage areas with Ohio EPA. It is anticipated that field repairs will be conducted in the spring of 2014.

Findings from this inspection have been added to the *Fernald Maintenance and Repair Action Items Report*, a print out of which is enclosed. The format of this report has changed as a result of the data being moved from Microsoft Excel to Microsoft Access. The information provided on the print out remains the same. Resolution of the findings is then tracked through this database. Items on the list that were resolved since the previous inspection are included in the report with the date and a description of the resolution. Previously reported resolved items are removed from the list. Resolution of older findings can be found on previous quarterly inspection reports.

The next OSDF cell cap inspection is scheduled for March 2014 and will include a walk-down of the entire cell cap, toe, drainages, fence line, and any items of special interest or concern.

The Stoller LMS Team is committed to high-quality customer service and continual improvement. We would appreciate any feedback you may have on this submittal.

Upon your concurrence, the Fernald DOE Site Manager will forward the forms to the U.S. Environmental Protection Agency, the Ohio EPA, and the remainder of the inspection team. Please contact John Homer at (513) 648-7519 if you have any questions or require additional information.

Sincerely,

William A. Hertel

William A. Hertel
Stoller Site Manager

WAH/LM:dp

Enclosures

cc: (electronic)
Obiajulum Diei-Anene, DOE
Gwen Hooten, DOE
Matthew Phelps, DOE
Karen Reed, DOE
David Shafer, DOE
Russell Cook, Stoller
Yvonne Deyo, Stoller
Glenn Griffiths, Stoller
Mark Hart, Stoller
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Debbie Pleva, Stoller
Jenise Snyder, Stoller
rc-ohio
Administrative Records (thru B. Irvine)

Fernald Preserve OSDF Walkdown Inspection Report

Beginning: 12/11/2013

Ending: 12/11/2013

Area(s): On-site Disposal Facility toe, drainage and fenceline

Inspector(s): Stoller

Map No.	Location	GPS?	Type of Finding	Description	Photo? (File No.)
HS1	Northwest corner of parking area	No	Vegetation	Cedar tree	
HS2	North fenceline at former gate location	No	Fencing	Metal gate stop...needs removed	
HS3	South gate	No	Signage	Sign is hanging	
HS4	Southwest corner at drainage	No	Vegetation	Cedars	
HS5	100 yards north of southwest corner	No	Signage	Sign hanging	

Additional Notes

Annual OSDF complete cell cap walk-over was postponed to March 2014 due to snow cover on the cap.

FERNALD PRESERVE MAINTENANCE AND REPAIR ACTION ITEMS

DECEMBER 2013 UPDATE

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
856	Duke Energy substation	No	Honeysuckle all along bank east of Duke Energy substation	12/14/2009	December 2009 quarterly field walkdown	11			
862	Field at Rainbow bridge	No	Honeysuckle	12/14/2009	December 2009 quarterly field walkdown	17			
973	South field drainage	No	Bog stem bullrush	6/2/2010	June 2010 quarterly field walkdown	6	None observed	9/5/2013	
974	South of Sycamore trail south of the Shingle Oak	No	Downed tree cage	6/2/2010	June 2010 quarterly field walkdown	7	Cages removed	9/5/2013	
992	Paddys Run – silos riprap	No	Reed canary grass	6/2/2010	June 2010 quarterly field walkdown	24	Herbicide applied	9/23/2013	
994	SWU floodplain	No	Old cage needs removed	6/2/2010	June 2010 quarterly field walkdown	26	Removed and free-released	9/5/2013	
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			
1013	South side of south pines deer fence	No	Honeysuckle	6/2/2010	June 2010 quarterly field walkdown	45			
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			
1091	Lodge pond basin – center	No	Invasive Schoeneplectus	9/8/2010	September 2010 quarterly field walkdown	2			
1100	Lodge pond basin – northeast	No	Bare area	9/8/2010	September 2010 quarterly field walkdown	11	No Action Necessary	11/12/2013	maintain as shorebird habitat
1101	Lodge pond basin – northeast	No	Erosion	9/8/2010	September 2010 quarterly field walkdown	12	No Action Necessary	9/1/2013	Area stable and vegetation present

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
1105	NE of lodge pond basin near property line	No	Bare area	9/8/2010	September 2010 quarterly field walkdown	16	No Action Necessary	11/12/2013	area is revegetated
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			
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			
1139	North pines along access rd.	No	Honeysuckle	9/8/2010	September 2010 quarterly field walkdown	53			
1211	Cell 5/6, east toe	No	Broken survey marker	3/8/2011	March 2011 OSDF Inspection	JC1			
1282	West of VH 7	No	Old leachate line unreadable	6/14/2011	June 2011 OSDF Inspection	DN13			
1285	East fence, east field	No	Honeysuckle along fence	9/7/2011	September 2011 quarterly field walkdown	1			
1291	North pines	No	Honeysuckle along woodline	9/7/2011	September 2011 quarterly field walkdown	10			
1292	Lodge pond - west	No	Olive species	9/7/2011	September 2011 quarterly field walkdown	11			
1293	East perimeter	No	Scattered pear	9/7/2011	September 2011 quarterly field walkdown	14			
1294	Lodge pond basin	No	Callery pear	9/7/2011	September 2011 quarterly field walkdown	15			

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
1296	OSDF fencing	No	Erosion at post bases, gaps and burrows at various locations	9/8/2011		na			
1305	East Cell 6, 6:1	No	12' x 4' bare area	9/13/2011	September 2011 OSDF Inspection	BL2			
1306	East Cell 7, 6:1	No	12' x 4' bare area	9/13/2011	September 2011 OSDF Inspection	BL3			
1315	Toe, east Cell 2	No	Erosion	9/13/2011	September 2011 OSDF Inspection	JH3			
1330	North of VH7	No	Faded signage (Buried Leachate)	9/13/2011	September 2011 OSDF Inspection	BG11	No Action Necessary	9/1/2013	Address via previous inspection finding
1353	Restoration storage shed	No	Bottom of corner trim lost bolt.	9/8/2011		na			
1355	Cell 1 (west)	No	Bare spot	12/13/2011	December 2011 OSDF Inspection	LH1			
1356	Cell 1/2	No	Bare spot	12/13/2011	December 2011 OSDF Inspection	LH5			
1375	Waste Pits, east slope of pond	No	Erosion	3/6/2012	March 2012 quarterly field walkdown	2	No Action Necessary	11/20/2013	stabilized - continue to monitor
1383	Waste Pits, north Pit 3	No	Erosion	3/6/2012	March 2012 quarterly field walkdown	12			
1387	Waste Pits	No	Erosion	3/6/2012	March 2012 quarterly field walkdown	16	No Action Necessary	11/19/2013	stabilized - continue to monitor
1388	Waste Pits, east end Pit 5	No	Erosion	3/6/2012	March 2012 quarterly field walkdown	17	No Action Necessary	11/19/2013	stabilized - continue to monitor
1390	Waste Pits, north Pit 5	No	Erosion	3/6/2012	March 2012 quarterly field walkdown	19	No Action Necessary	11/19/2013	stabilized - continue to monitor
1402	Center waste pit 3	No	Erosion between ponds	3/6/2012	March 2012 quarterly field walkdown	35	No Action Necessary	11/19/2013	stabilized - continue to monitor
1403	East side of pond waste pit 3	No	Erosion between ponds	3/6/2012	March 2012 quarterly field walkdown	36	No Action Necessary	11/19/2013	stabilized - continue to monitor
1409	East of Community Pond	No	Erosion rill	3/6/2012	March 2012 quarterly field walkdown	42	No Action Necessary	11/20/2013	stabilized - continue to monitor
1411	Land between lakes	No	Erosion rills	3/6/2012	March 2012 quarterly field walkdown	44	No Action Necessary	11/20/2013	stabilized - continue to monitor
1443	East fence line	No	Black pipe	3/13/2012	March 2012 OSDF Inspection	HS10			
1451	West fence line	No	Erosion	3/13/2012	March 2012 OSDF Inspection	HS18			

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
1457	At well house	No	Exposed wires (from removal?)	6/5/2012	June 2012 quarterly field walkdown	4	No Action Necessary	10/23/2013	wires not present
1460	Ditch line on edge of road	No	Sink holes	6/5/2012	June 2012 quarterly field walkdown	8			
1463	Paddys Run – east bank west of silos ponds	No	10' x 20' exposed fabric, rocks gone	6/5/2012	June 2012 quarterly field walkdown	14	No Action Necessary	9/1/2013	Allowing for re-establishment of Paddys Run floodplain
1466	Shingle Oak trail	No	Teasel	6/5/2012	June 2012 quarterly field walkdown	24			
1468	Drainage area	No	Garlic mustard	6/5/2012	June 2012 quarterly field walkdown	26			
1472	Dance hall road	No	Erosion rill	6/5/2012	June 2012 quarterly field walkdown	31	Road repaired	9/1/2013	Included in roads update project
1477	Perimeter sign S41	No	Sign not visible due to vegetation	6/6/2012		na	Vegetation cleared	9/11/2013	
1482	North toe	No	Sycamore and willow	6/12/2012	June 2012 OSDF Inspection	LH1			
1485	Drainage west cell 8	No	Willow	6/12/2012	June 2012 OSDF Inspection	LH7			
1491	West toe cell 6	No	Wetland vegetation	6/12/2012	June 2012 OSDF Inspection	JH5			
1492	West toe south of VH4	No	Standing water	6/12/2012	June 2012 OSDF Inspection	JH6			
1525	North of Restoration shed	No	Gravel/asphalt patch	9/5/2012	September 2012 quarterly field walkdown	5	No Action Necessary	10/1/2013	remnant of access road
1526	WM1, W4 and 3	No	Honeysuckle/pear	9/5/2012	September 2012 quarterly field walkdown	6			
1527	WM1, W5 and 1	No	Honeysuckle	9/5/2012	September 2012 quarterly field walkdown	7			
1528	WM1, W7	No	Honeysuckle	9/5/2012	September 2012 quarterly field walkdown	9			
1529	WM1, W7	No	T-post in hole	9/5/2012	September 2012 quarterly field walkdown	10	t-post removed	10/1/2013	
1530	WM1, W3	No	Bare spot	9/5/2012	September 2012 quarterly field walkdown	11	No Action Necessary	11/12/2013	revegetated

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
1531	WM1, W3 and 2	No	Bare spot	9/5/2012	September 2012 quarterly field walkdown	12	No Action Necessary	11/12/2013	revegetated
1532	WM1, W2 – fenceline	No	A bat house coming down	9/5/2012	September 2012 quarterly field walkdown	13	post up-righted	11/12/2013	
1533	WM1, fenceline	No	Large honeysuckle	9/5/2012	September 2012 quarterly field walkdown	14			
1534	WM1	No	Multiflora rose	9/5/2012	September 2012 quarterly field walkdown	15			
1535	WM1	No	Soil erosion	9/5/2012	September 2012 quarterly field walkdown	16	repaired	11/12/2013	
1538	Cell 5, west toe inner drain	No	Standing water – follow up	9/11/2011	September 2011 OSDF Inspection	JH1			
1539	Gravity inlet at VH#6	No	Erosion from gravel road	9/11/2011	September 2011 OSDF Inspection	JH3			
1540	Cell 7, west inner drain	No	Standing water	9/11/2011	September 2011 OSDF Inspection	JH4			
1545	North and south of VH#7	No	Buried leachate signs faded	9/11/2011	September 2011 OSDF Inspection	SB7	No Action Necessary	9/13/2013	Address via previous inspection finding
1550	Cell 6, east	No	Teasel rosette patch	12/5/2012	December 2012 OSDF Inspection	SB3	Herbicide applied	9/13/2013	
1555	Cell 4, west riprap	No	Ponding and vegetation in riprap	12/5/2012	December 2012 OSDF Inspection	LH2			
1557	Cell 1, top	No	Burrows from moles	12/5/2012	December 2012 OSDF Inspection	TM1			
1562	Cell 8, east near toe	No	Teasel	12/5/2012	December 2012 OSDF Inspection	AD3	Herbicide applied	9/13/2013	
1563	Cell 8, southeast	No	Teasel	12/5/2012	December 2012 OSDF Inspection	AD4	Herbicide applied	9/13/2013	
1564	Cell 6, east top	No	Cedar	12/5/2012	December 2012 OSDF Inspection	BL1	Herbicide applied	9/13/2013	
1565	Cell 7/8, west	No	Large thistle patch	12/5/2012	December 2012 OSDF Inspection	BL2	Herbicide applied	9/13/2013	
1566	Cell 8, east	No	Honeysuckle	12/5/2012	December 2012 OSDF Inspection	BL3	Herbicide applied	9/13/2013	

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
1567	North toe	No	Pear	12/5/2012	December 2012 OSDF Inspection	HS1	Herbicide applied	9/13/2013	
1568	Cell 2, west 10:1	No	Animal burrow	12/5/2012	December 2012 OSDF Inspection	HS2	Herbicide applied	9/13/2013	
1569	Cell 4, west toe	No	Canada thistle	12/5/2012	December 2012 OSDF Inspection	HS3	Herbicide applied	9/13/2013	
1570	Cell 4, west toe	No	Pear	12/5/2012	December 2012 OSDF Inspection	HS4	Herbicide applied	9/13/2013	
1571	Cell 5, top	No	Canada thistle	12/5/2012	December 2012 OSDF Inspection	HS5	Herbicide applied	9/13/2013	
1572	Cell 5, west face	No	Teasel, bare spot	12/5/2012	December 2012 OSDF Inspection	HS6	Herbicide applied	9/13/2013	Bare spot is closing in w/vegetation
1573	Cell 8, east	No	Tree	12/5/2012	December 2012 OSDF Inspection	HS7	Herbicide applied	9/13/2013	
1574	Cell 2, east	No	Thistle	12/5/2012	December 2012 OSDF Inspection	HB1	Herbicide applied	9/13/2013	
1575	Cell 2, east	No	Animal burrow	12/5/2012	December 2012 OSDF Inspection	HB2	Herbicide applied	9/13/2013	
1576	Cell 3, west	No	Thistle	12/5/2012	December 2012 OSDF Inspection	HB3	Herbicide applied	9/13/2013	
1577	Cell 7, near VH	No	Animal burrow	12/5/2012	December 2012 OSDF Inspection	JW1	Herbicide applied	9/13/2013	
1578	Cell 2, east top	No	Thistle	12/5/2012	December 2012 OSDF Inspection	LM1	Herbicide applied	9/13/2013	
1579	Cell 6, east top	No	Thistle	12/5/2012	December 2012 OSDF Inspection	LM2	Herbicide applied	9/13/2013	
1580	Cell 6/7, east	No	Thistle	12/5/2012	December 2012 OSDF Inspection	LM3	Herbicide applied	9/13/2013	
1585	CAWWT	No	North gate bent and signs are down	3/6/2013		na			
1586	60-Inch Culvert	No	Debris against north drain guard	3/12/2013		na	Continue to monitor	9/13/2013	Beaver dam has been established in front of culvert. Clear dam if culvert becomes completely blocked
1598	FPA ARA South of S drainage	No	Erosion	3/12/2013	March 2013 quarterly field walkdown	12	No Action Necessary	11/12/2013	area stabilized - continue to monitor
1599	Former WP PR1	No	Erosion	3/12/2013	March 2013 quarterly field walkdown	13			
1609	East of burn pit WPA PR1	No	Erosion	3/12/2013	March 2013 quarterly field walkdown	23			

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
1612	South of FPA	No	Erosion at outfall	3/12/2013	March 2013 quarterly field walkdown	26			
1625	PR1 north face	No	Erosion	3/12/2013	March 2013 quarterly field walkdown	39			
1626	A3A 75 ft from OSDF fence	No	Erosion	3/12/2013	March 2013 quarterly field walkdown	40	No Action Necessary	11/12/2013	area stabilized - continue to monitor
1639	Cell 8, south toe	No	Rock	3/12/2013	March 2013 OSDF Inspection	MS2			
1646	Cell 7, west toe	No	Erosion	3/12/2013	March 2013 OSDF Inspection	RE5			
1651	West inner drain between VH5 and VH6	No	Poor drainage	3/12/2013	March 2013 OSDF Inspection	JH5			
1656	Cell 3/4, west toe	No	Standing water	3/12/2013	March 2013 OSDF Inspection	BL2			
1668	Cell 7, east toe	No	Wash area	3/12/2013	March 2013 OSDF Inspection	HS7			
1671	Behind VH8	No	Culvert pipe	3/12/2013	March 2013 OSDF Inspection	HS13			
1672	Drain behind VH8	No	Woody vegetation	3/12/2013	March 2013 OSDF Inspection	HS14	cut and applied herbicide	10/23/2013	
1673	Leachate signs	No	Faded and unreadable	3/12/2013	March 2013 OSDF Inspection	HS15			
1683	Northeast corner fence	No	Woody vegetation	3/12/2013	March 2013 OSDF Inspection	HS27	cut and applied herbicide	10/23/2013	
1685	Cell 1, north drain	No	Erosion from roadway	3/12/2013	March 2013 OSDF Inspection	HS29			
1689	South Pines Deer fence	No	Hole in fence	6/12/2013	June 2013 quarterly field walkdown	1	repaired	10/23/2013	
1690	South pines deer fence	No	Hole in fence	6/12/2013	June 2013 quarterly field walkdown	2	repaired	10/23/2013	
1692	South field/west	No	Deer fence gate missing	6/12/2013	June 2013 quarterly field walkdown	4	Re-hung wire	10/22/2013	
1693	Well 22108 well pad	No	exposed wires	6/12/2013	June 2013 quarterly field walkdown	5	No Action Necessary	10/23/2013	wires not present
1694	Well 33253	No	Miscellaneous debris on pad	6/12/2013	June 2013 quarterly field walkdown	6	Removed	10/1/2013	
1695	South field deer fence - west	No	Fence down	6/12/2013	June 2013 quarterly field walkdown	7	Repaired fence	10/22/2013	

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
1696	south field deer fence - east	No	Fence overgrown - remove	6/12/2013	June 2013 quarterly field walkdown	8	Cut vine off fence	10/30/2013	
1703	Outfall from drain under Willey Road	No	Vegetation kill, concrete, bricks	6/12/2013	June 2013 quarterly field walkdown	15	removed bricks and tile and free-released	10/1/2013	concrete is from pre-site structure - left in place
1705	North end of deer fence	No	Fence down on pole	6/12/2013	June 2013 quarterly field walkdown	17	repaired fence	10/22/2013	
1707	West end of deer fence	No	Empty cages	6/12/2013	June 2013 quarterly field walkdown	19	Removed cages	10/31/2013	
1708	East side of road	No	Canada thistle	6/12/2013	June 2013 quarterly field walkdown	20			
1710	East bank of silo ponds	No	Crown vetch	6/6/2013	June 2013 quarterly field walkdown	22	Herbicide applied	9/23/2013	
1717	East of deer fence	No	Bare area	6/12/2013	June 2013 quarterly field walkdown	29	covered with hay	10/6/2013	
1720	Deer fence south of 'dance hall' and north of substation	No	Deer fence gate open	6/12/2013	June 2013 quarterly field walkdown	32	repaired gate	10/22/2013	
1721	South field prairie	No	Canada thistle	6/12/2013	June 2013 quarterly field walkdown	33			
1722	North edge of VC parking lot	No	Pear and honeysuckle	6/6/2013	June 2013 quarterly field walkdown	34			
1723	North of silo ponds	No	Crown vetch	6/6/2013	June 2013 quarterly field walkdown	35	Herbicide applied	9/23/2013	
1724	North of silo ponds	No	Downed cages	6/6/2013	June 2013 quarterly field walkdown	36	removed cages	11/7/2013	
1725	North of silo ponds	No	Bare spot	6/6/2013	June 2013 quarterly field walkdown	37	covered with hay	10/6/2013	
1726	East bank PR, NW of silo ponds	No	Thistle	6/6/2013	June 2013 quarterly field walkdown	38	Herbicide applied	9/23/2013	
1727	Downhill from well 3046	No	Debris	6/12/2013	June 2013 quarterly field walkdown	39	Removed and free-released	10/1/2013	
1728	Northwest corner of deer fence	No	Post down on deer fence	6/12/2013	June 2013 quarterly field walkdown	40	No Action Necessary	10/31/2013	t-post is not needed - the fence is supported by interior corner posts
1730	On the trail near fence post	No	Asphalt	6/12/2013	June 2013 quarterly field walkdown	42	Removed and free-released	10/1/2013	
1731	Inside trail loop, south	No	Cages down	6/12/2013	June 2013 quarterly field walkdown	43	removed cages	11/5/2013	
1732	Inside trail loop, north	No	Cages down	6/12/2013	June 2013 quarterly field walkdown	44	removed and repaired as needed	10/31/2013	

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
1733	Along trail loop, east	No	Cages down	6/12/2013	June 2013 quarterly field walkdown	45	removed and repaired as needed	10/31/2013	
1734	Inside trail loop, east	No	Cages down	6/12/2013	June 2013 quarterly field walkdown	46	removed and repaired as needed	10/31/2013	
1735	Prairie north of parking lot	No	Pear and crown vetch	6/6/2013	June 2013 quarterly field walkdown	48			
1736	Prairie along Bio-wetland trail	No	Felt matting	6/6/2013	June 2013 quarterly field walkdown	49	Removed and free-released	10/18/2013	
1737	North of silo ponds	No	Debris	6/6/2013	June 2013 quarterly field walkdown	50	Removed and free-released	10/1/2013	
1738	East bank Paddys Run	No	Thistle, pear, olive	6/6/2013	June 2013 quarterly field walkdown	51	Herbicide applied	9/23/2013	
1739	East bank Paddys Run	No	Multiflora rose	6/6/2013	June 2013 quarterly field walkdown	52			
1740	Woods along Shingle Oak	No	Multiflora rose	6/6/2013	June 2013 quarterly field walkdown	53			
1741	Overlook on Shingle Oak at pond	No	Pear	6/6/2013	June 2013 quarterly field walkdown	54			
1742	South edge of parking lot	No	Debris (rebar)	6/6/2013	June 2013 quarterly field walkdown	55	Removed and free-released	10/1/2013	
1744	Cell 1, east 6:1	No	Crown vetch	6/12/2013	June 2013 OSDF Inspection	JH1	Herbicide applied	9/13/2013	
1745	NE corner	No	Musk thistle	6/12/2013	June 2013 OSDF Inspection	JH2			
1746	Cell 2, drainage	No	Woody vegetation, various	6/12/2013	June 2013 OSDF Inspection	JH3	cut and applied herbicide	10/23/2013	
1747	Cell 3, drainage	No	Woody vegetation	6/12/2013	June 2013 OSDF Inspection	JH5	cut and applied herbicide	10/23/2013	
1748	Cell 4, east 6:1	No	Bull/musk thistle (no flag)	6/12/2013	June 2013 OSDF Inspection	JH7	Herbicide applied	9/13/2013	
1749	Cell 8, east, 6:1	No	Crown vetch (no flag)	6/12/2013	June 2013 OSDF Inspection	JH8	Herbicide applied	9/13/2013	
1750	SW drainage and inner drain	No	Canada, musk, bull thistles (no flag)	6/12/2013	June 2013 OSDF Inspection	JH10			
1751	Cell 8, west toe	No	Crown vetch	6/12/2013	June 2013 OSDF Inspection	JH11	Herbicide applied	9/13/2013	
1752	Cell 5/6, west 6:1	No	Thistle (no flag)	6/12/2013	June 2013 OSDF Inspection	JH12	Herbicide applied	9/13/2013	

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
1753	Cell 6, west inner drain	No	Woody vegetation	6/12/2013	June 2013 OSDF Inspection	JH13	Herbicide applied	9/13/2013	
1754	Cell 4, west 6:1	No	Thistle (no flag)	6/12/2013	June 2013 OSDF Inspection	JH14	Herbicide applied	9/13/2013	
1755	NW corner of fence	No	Honeysuckle	6/12/2013	June 2013 OSDF Inspection	HS1	cut and applied herbicide	10/23/2013	
1756	North fence line	No	Mulberry	6/12/2013	June 2013 OSDF Inspection	HS2	cut and applied herbicide	10/23/2013	
1757	North fence at old gate	No	Small patch both sides of fence	6/12/2013	June 2013 OSDF Inspection	HS4	cut and applied herbicide	10/23/2013	
1758	North fence at north triangle	No	Hornbeam	6/12/2013	June 2013 OSDF Inspection	HS5	cut and applied herbicide	10/23/2013	
1759	North fence at north triangle	No	Honeysuckle	6/12/2013	June 2013 OSDF Inspection	HS6	cut and applied herbicide	10/23/2013	
1760	NE corner	No	Callery pear and honeysuckle	6/12/2013	June 2013 OSDF Inspection	HS7	cut and applied herbicide	10/23/2013	
1761	Cell 2, east drain	No	Ash and willow trees	6/12/2013	June 2013 OSDF Inspection	HS8	cut and applied herbicide	10/23/2013	
1762	Cell 2, east drain	No	Callery pear and musk thistle	6/12/2013	June 2013 OSDF Inspection	HS9	cut and applied herbicide	10/23/2013	
1763	East Cell 2/3 boundary	No	Callery pear and musk thistle	6/12/2013	June 2013 OSDF Inspection	HS10	cut and applied herbicide	10/23/2013	
1764	Cell 3, east drain	No	Callery pear and honeysuckle	6/12/2013	June 2013 OSDF Inspection	HS12	cut and applied herbicide	10/23/2013	
1765	East Cell 3-4 boundary	No	Thistle, honeysuckle, pear, mulberry	6/12/2013	June 2013 OSDF Inspection	HS13	cut and applied herbicide	10/23/2013	
1766	Cell 4, east	No	Honeysuckle	6/12/2013	June 2013 OSDF Inspection	HS14	cut and applied herbicide	10/23/2013	
1767	East Cell 4/5 boundary	No	Musk and bull thistle	6/12/2013	June 2013 OSDF Inspection	HS15	cut and applied herbicide	10/23/2013	
1768	Cell 5, east drain	No	Honeysuckle and willow	6/12/2013	June 2013 OSDF Inspection	HS16	cut and applied herbicide	10/23/2013	
1769	SW corner drain	No	Woody trees and shrubs	6/12/2013	June 2013 OSDF Inspection	HS17			
1770	Cell 8, west outer drain	No	Bull thistle	6/12/2013	June 2013 OSDF Inspection	HS18	cut and applied herbicide	10/23/2013	
1771	West of VH8	No	Bull thistle	6/12/2013	June 2013 OSDF Inspection	HS19	cut and applied herbicide	10/23/2013	

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
1772	West of VH7	No	Bull thistle and honeysuckle	6/12/2013	June 2013 OSDF Inspection	HS20	cut and applied herbicide	10/23/2013	
1773	East of Restoration shed	No	Vines growing up deer fence	9/4/2013	September 2013 quarterly field walkdown	2			
1774	Hill along SR 126	No	Teasel and honeysuckle	9/4/2013	September 2013 quarterly field walkdown	3			
1775	East fence WM1	No	Callery pear	9/4/2013	September 2013 quarterly field walkdown	4			
1776	East fence WM1	No	Honeysuckle	9/4/2013	September 2013 quarterly field walkdown	5			
1777	East fence WM1	No	Teasel	9/4/2013	September 2013 quarterly field walkdown	6			
1778	East fence WM1	No	Teasel	9/4/2013	September 2013 quarterly field walkdown	7			
1779	East fence WM1	No	Callery pear	9/4/2013	September 2013 quarterly field walkdown	8			
1780	East fence and south	No	Callery pear	9/4/2013	September 2013 quarterly field walkdown	9			
1781	Hill along SR 126	No	Honeysuckle	9/4/2013	September 2013 quarterly field walkdown	10			
1782	WM1 W6	No	Teasel	9/4/2013	September 2013 quarterly field walkdown	11			
1783	WM1 W6 berm	No	Callery pear	9/4/2013	September 2013 quarterly field walkdown	12			
1784	WM1 W1 berm	No	Dead/dying ash tree	9/4/2013	September 2013 quarterly field walkdown	13	No Action Necessary	10/23/2013	drought stressed - still alive
1785	Berm between WM1 W1 and WM1 W5	No	Dead ash tree	9/4/2013	September 2013 quarterly field walkdown	14	No Action Necessary	10/23/2013	drought stressed - still alive

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
1786	WM1 W2 south berm	No	Dead/dying ash tree	9/4/2013	September 2013 quarterly field walkdown	15	No Action Necessary	10/23/2013	drought stressed - still alive
1787	WM1 W3 south berm	No	Dying ash tree	9/4/2013	September 2013 quarterly field walkdown	16	No Action Necessary	10/23/2013	drought stressed - still alive
1788	WM1 W4 between pond and swale	No	Honeysuckle	9/4/2013	September 2013 quarterly field walkdown	17			
1789	WM1 W4 SE edge	No	Dying ash	9/4/2013	September 2013 quarterly field walkdown	18	No Action Necessary	10/23/2013	drought stressed - still alive
1790	By well south of WM1	No	Callery pear	9/4/2013	September 2013 quarterly field walkdown	19			
1791	By road pull off	No	Bare area	9/4/2013	September 2013 quarterly field walkdown	20			
1792	CAWWT fencing	No	Woody vegetation growing quickly around north portion	9/4/2013	September 2013 quarterly field walkdown	na			
1793	West inner drain at VH4	No	Woody vegetation	9/10/2013	September 2013 OSDF Inspection	JH1	Herbicide applied	9/13/2013	
1794	HTW next to VH8	No	Woody vegetation	9/10/2013	September 2013 OSDF Inspection	JH2	Herbicide applied	9/13/2013	
1795	East edge Cell 8	No	Debris	9/10/2013	September 2013 OSDF Inspection	JH3			
1796	East drain at Cell 7	No	Willow, woody vegetation	9/10/2013	September 2013 OSDF Inspection	JH4	cut and applied herbicide	10/23/2013	
1797	East drain at Cell 3	No	Woody vegetation (pear, ash)	9/10/2013	September 2013 OSDF Inspection	JH6	cut and applied herbicide	10/23/2013	
1798	Cell 2, east 6:1	No	Rock/concrete	9/10/2013	September 2013 OSDF Inspection	JH7			
1799	NW corner	No	Honeysuckle	9/10/2013	September 2013 OSDF Inspection	HS1	cut and applied herbicide	10/23/2013	
1800	NW corner	No	Ash and cottonwood	9/10/2013	September 2013 OSDF Inspection	HS2	cut and applied herbicide	10/23/2013	
1801	NW corner	No	Mulberry and other trees	9/10/2013	September 2013 OSDF Inspection	HS3	cut and applied herbicide	10/23/2013	
1802	North drainage	No	Cedar and other trees	9/10/2013	September 2013 OSDF Inspection	HS4	cut and applied herbicide	10/23/2013	

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
1803	NE corner	No	Callery pear and others	9/10/2013	September 2013 OSDF Inspection	HS5	cut and applied herbicide	10/23/2013	
1804	NE corner	No	Callery pear and others	9/10/2013	September 2013 OSDF Inspection	HS6	cut and applied herbicide	10/23/2013	
1805	East drain at Cell 2/3	No	Callery pear and others	9/10/2013	September 2013 OSDF Inspection	HS7	cut and applied herbicide	10/23/2013	
1806	East drain at Cell 3/4	No	Canada thistle in rocks	9/10/2013	September 2013 OSDF Inspection	HS8	cut and applied herbicide	10/23/2013	
1807	East drain at Cell 4/5	No	Honeysuckle and others	9/10/2013	September 2013 OSDF Inspection	HS9	cut and applied herbicide	10/23/2013	
1808	East drain at Cell 6	No	Honeysuckle and others	9/10/2013	September 2013 OSDF Inspection	HS10	cut and applied herbicide	10/23/2013	
1809	East drains at Cell 6/7	No	Concrete	9/10/2013	September 2013 OSDF Inspection	HS11	Removed and free-released	10/23/2013	
1810	East drain at Cell 7/8	No	Honeysuckle and others	9/10/2013	September 2013 OSDF Inspection	HS12	cut and applied herbicide	10/23/2013	
1811	South drain	No	Canada thistle	9/10/2013	September 2013 OSDF Inspection	HS13	cut and applied herbicide	10/23/2013	
1812	South laydown area	No	Phragmites and Sycamore	9/10/2013	September 2013 OSDF Inspection	HS14	cut and applied herbicide	10/23/2013	
1813	South laydown area	No	Honeysuckle	9/10/2013	September 2013 OSDF Inspection	HS15	cut and applied herbicide	10/23/2013	
1814	Drain at south gate	No	Canada thistle	9/10/2013	September 2013 OSDF Inspection	HS16	cut and applied herbicide	10/23/2013	
1815	SW corner	No	Woody vegetation	9/10/2013	September 2013 OSDF Inspection	HS17			
1816	SW corner	No	Bull thistle	9/10/2013	September 2013 OSDF Inspection	HS18			
1817	West fence at Cell 7/8	No	Debris	9/10/2013	September 2013 OSDF Inspection	HS19			
1818	West of VH 7	No	Honeysuckle	9/10/2013	September 2013 OSDF Inspection	HS20	cut and applied herbicide	10/23/2013	
1819	West fence behind VH 6	No	Honeysuckle and other trees	9/10/2013	September 2013 OSDF Inspection	HS21	cut and applied herbicide	10/23/2013	
1820	West at Cell 5/6	No	Honeysuckle	9/10/2013	September 2013 OSDF Inspection	HS22	cut and applied herbicide	10/23/2013	
1821	West fence behind VH 3	No	Honeysuckle	9/10/2013	September 2013 OSDF Inspection	HS23	cut and applied herbicide	10/23/2013	

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
1822	Between VH 3 and VH 4	No	Honeysuckle	9/10/2013		HS24	cut and applied herbicide	10/23/2013	
1823	NWEPR1 - Northwest corner of old access road and Hickory trail	No	Two old pipes from previous inspection	12/3/2013	December 2013 quarterly field walkdown	1			
1824	In Paddys Run just west of bench on Hickory Trail.	No	Large white board (cornhole board?)	12/3/2013	December 2013 quarterly field walkdown	2			
1825	Deer trail below slope west of road.	No	Old orange marker in evergreen	12/3/2013	December 2013 quarterly field walkdown	3			
1826	south side of trail just east of stone-paved section	No	Old yellow marker in shrub with red berries	12/3/2013	December 2013 quarterly field walkdown	4			
1827	Fence along south boundary with PR1	No	Hole under fence	12/3/2013	December 2013 quarterly field walkdown	5			
1828	Opposite buildings on west side of road	No	plastic debris - corrugated sheets	12/3/2013	December 2013 quarterly field walkdown	6			
1829	PRTRF2	No	Old pink flags	12/3/2013	December 2013 quarterly field walkdown	7			
1830	Directly north of coverboard #2	No	Concrete	12/3/2013	December 2013 quarterly field walkdown	8			
1831	South of trestle-west of Paddy's Run	No	Orange fencing on far south end down from limb	12/3/2013	December 2013 quarterly field walkdown	9			
1832	South of trestle-west of Paddys Run	No	2 "steep slope" signs are down	12/3/2013	December 2013 quarterly field walkdown	10			
1833	West of Paddys Run	No	Deer fence slid down	12/3/2013	December 2013 quarterly field walkdown	11			
1834	West of Paddys Run	No	Deer fence sliding	12/3/2013	December 2013 quarterly field walkdown	12			
1835	West of Paddys Run - South of deer fence	No	2 "steep slope" signs down.	12/3/2013	December 2013 quarterly field walkdown	13			

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
1836	West of Paddys Run - South of deer fence	No	Yellow rope down	12/3/2013	December 2013 quarterly field walkdown	14			
1837	West deer fence	No	Hole in fence and honey locust	12/3/2013	December 2013 quarterly field walkdown	15			
1838	West deer fence	No	Hole in fence	12/3/2013	December 2013 quarterly field walkdown	16			
1839	Deer fence	No	Fence overgrown	12/3/2013	December 2013 quarterly field walkdown	17			OK to remove fence
1840	Floodplain	No	Deer cages can be removed	12/3/2013	December 2013 quarterly field walkdown	18			Deer cages can be removed
1841	Along Paddys Run	No	Rope barricade and sign down	12/3/2013	December 2013 quarterly field walkdown	19			
1842	PRTRF2 - north deerfence	No	Hole in fence	12/3/2013	December 2013 quarterly field walkdown	20			
1843	southeast side of deer fence	No	tree on fence	12/3/2013	December 2013 quarterly field walkdown	21			
1844	Southeast side of deer fence	No	Tree on fence	12/3/2013	December 2013 quarterly field walkdown	22			
1845	West bank Paddys Run	No	30 gallon trash can	12/3/2013	December 2013 quarterly field walkdown	23			
1846	North east side of deer fence	No	Fence down	12/3/2013	December 2013 quarterly field walkdown	24			
1847	West bank of Paddys Run	No	Safety rope down	12/3/2013	December 2013 quarterly field walkdown	25			
1848	Southeast of chestnut plot	No	remove tree fence	12/3/2013	December 2013 quarterly field walkdown	26			Photo taken by inspector.
1849	Bluff along west side of Paddys Run midway along deer fence	No	Tree cage tipped over, needs removed	12/3/2013	December 2013 quarterly field walkdown	27			

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
1850	Hickory trail where ovelooks Paddys Run	No	bench flipped over	12/3/2013	December 2013 quarterly field walkdown	28	set bench up right	12/3/2013	
1851	CAWWT fence.	No	Fencing is damaged on the east and north sides. Fence appears to have been pulled out of shape.	12/5/2013	December 2013 point-specific institutional controls inspection	NA			
1852	Northwest corner of parking area	No	Cedar tree	12/11/2013	December 2013 OSDF Inspection	HS1			
1853	North fenceline at former gate location	No	Metal gate stop...needs removed	12/11/2013	December 2013 OSDF Inspection	HS2			
1854	South gate	No	Sign is hanging	12/11/2013	December 2013 OSDF Inspection	HS3			
1855	Southwest corner at drainage	No	Cedars	12/11/2013	December 2013 OSDF Inspection	HS4			
1856	100 yards north of southwest corner	No	Sign hanging	12/11/2013	December 2013 OSDF Inspection	HS5			

On-Site Disposal Facility Inspection Report

December 2013

U.S. DEPARTMENT OF ENERGY

Legacy Management

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

South Face Cell 8

South Drainage (looking west)

East Drainage Cell 7 (looking south)

East Drainage Cell 4 (looking south)

East Drainage Cell 1 (looking south)

West Inner Drainage Cell 7 (looking south)

West Inner Drainage Cell 4 (looking south)

West Inner Drainage Cell 1 (looking south)

West Outer Drainage Cell 1 (looking south)

West Outer Drainage Cell 8 (looking south)

West Outer Drainage Cell 8 (looking north)

Legend

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

200 100 0 200 400 Feet

N

Fernald Preserve
OSDF (On-Site Disposal Facility)

December 2013 Inspection Findings
(Previous findings requiring follow-up or maintenance)