



Department of Energy
Washington, DC 20585

September 28, 2016

Mr. David Seely
U.S. Environmental Protection Agency
Region 5 (SR-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. Seely and Mr. Schneider:

SUBJECT: Transmittal of the September 2016 Fernald Quarterly Inspection Report

This letter is the September 2016 quarterly inspection report for the Fernald Preserve at the Fernald, Ohio, Site. Inspections are conducted as directed by the *Comprehensive Legacy Management and Institutional Controls Plan (LMICP) (LMS/FER/S03496)*. This letter also fulfills the reporting requirements specified in the Environmental Covenant, which is Appendix D of the *Consent Decree Resolving Ohio's Natural Resource Damage Claim Against DOE*. The inspections confirm that the activity and use limitations for the Fernald Preserve remain in place and are being complied with.

This September inspection report includes results from the On-Site Disposal Facility (OSDF) and site inspections that were conducted from September 6 through September 8. As stated in the 2016 LMICP, site inspections consist of two components: point-specific institutional control (IC) inspections and field walk-downs. All field walk-downs are scheduled during the dormant-vegetation months of November through April. Results are included for the following inspections:

INSPECTION TYPE	DATE	PARTICIPANTS
OSDF Inspection	September 6, 2016	U.S. Department of Energy (DOE), Ohio Environmental Protection Agency, Ohio Department of Health, and Navarro
IC Inspection	September 6-8, 2016	Navarro

Findings from the point-specific inspection are documented on the *Fernald Preserve Institutional Control Inspection* form. Findings from the OSDF inspection are recorded on the *Fernald Preserve OSDF Walk-down Inspection Findings Summary* and on the associated map. The individual walk-down reports and associated maps for each inspection are included with this report. Photographs of the OSDF and the surrounding area were taken to accompany the OSDF inspection and are also included.



Findings from Site Inspections

Point-specific ICs were inspected from September 6 through September 8. There were several findings of vegetation obscuring perimeter signs.

Fencing that was installed in 2015 around the main drainage corridor's 60-inch culvert inlet is working as intended. There has been no beaver activity at the inlet since its installation. The original grating remains in place and is functional.

DOE is committed to providing quarterly summary numbers regarding debris findings. Thirteen pieces of debris were surveyed. All of the 13 pieces were free-released. Surveyed debris is a combination of debris from inspection follow-up, discoveries during construction activities, and casual observation while in the field.

Findings from OSDF Inspection

The September 2016 OSDF inspection took place on September 6 and included a walk-down inspection of the OSDF toe, drainages, and fence line. Most findings were related to the presence of invasive woody vegetation. A prescribed burn took place on March 29, 2016, on Cell Caps 4, 5, and 6. The vegetated caps appeared to be responding well to this management approach.

Findings from all of these inspections have been added to the site maintenance database and are included in the *Fernald Maintenance and Repair Action Items Summary*; a printout is enclosed. Resolution of the findings is then tracked through the database. Items on the list that have been resolved since the previous inspection report are included in the report with the date and description of the resolution. Previously reported items that have been resolved are removed from the list. The resolution of older findings can be found in previous quarterly inspection reports.

OSDF Herbaceous Cover Monitoring

Pursuant to Volume II of the LMICP, herbaceous cover data were collected for Cell Caps 7 and 8. For each cell cap, 12 one-meter square quadrats were randomly located using a three by four grid. The enclosed figure shows the grid and quadrat locations for each cell cap. Field surveys were conducted on September 7 and 8. Total cover and species richness data were collected for each quadrat. From this information, total cap cover, native species composition, and relative frequency of native species were calculated. The table below summarized the findings. The enclosed data tables present cap-specific species lists.

Cell Cap	Total Cover	Native Species Composition	Relative Frequency of Native Species
7	97%	57%	60%
8	97%	56%	57%

The LMICP goals for the OSDF cap included 90 percent total cover and 50 percent native species composition. The data collected on Cells 7 and 8 demonstrate that native vegetation is being maintained across cells 7 and 8. Native species composition is above 50 percent for both cell caps. Total cover exceeds the 90 percent goal for both caps.

Mr. David Seely
Mr. Thomas Schneider
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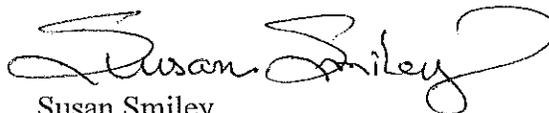
The remaining calendar year 2016 inspection schedule is as follows:

DATE	INSPECTION TYPE	REPORT DATE
December 2016	Site West Quadrant, OSDF (cap), and ICs	January 2017

If you have any questions or require additional information, please call me at (513) 648-3333.
Please send any correspondence to my attention at:

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

Sincerely,



Susan Smiley
Fernald Preserve Site Manager
DOE-LM-20.2

Enclosure

cc w/enclosure:

M. Murphy, USEPA-V, A-18J
M. Rubadue, ODH
T. Schneider, OEPA (three copies of enclosure)
Project Record File FER 115.02.05(A) (thru B. Irvine)
Administrative Records (thru B. Irvine)

cc w/o enclosure:

(electronic)
G. Hooten, DOE-LM
T. Smith Taylor, DOE-LM
B. Hertel, Navarro
J. Homer, Navarro
L. McHenry, Navarro

Fernald Preserve Institutional Control Inspection

Date Sept. 2016 Inspector Navarro Area Institutional Controls

Institutional Control	Type of Finding (See Definitions Page)				Description	Photo? (File No.)	Follow Up		
	Signage	Barrier	Groundskeeping	Other			Corrected	Maintenance Req'd	Cont. Observation
Access Points									
South Access					NO FINDINGS				
North Access					NO FINDINGS				
Eco Park					NO FINDINGS				
Forest Demo					NO FINDINGS				
Perimeter Authorized Vehicle Access									
					NO FINDINGS				
Perimeter Signage									
S4, S5, S6	X				Signs need weeds trimmed away			X	
Fencing									
CAWWT					NO FINDINGS				
OSDF					NO FINDINGS				
Utility					NO FINDINGS				
Trestle					NO FINDINGS				
Interior Authorized Vehicle Access									
					NO FINDINGS				
Buildings and Structures									
Communication Building					NO FINDINGS				
Dissolved Oxygen Building					NO FINDINGS				
Restoration Storage Shed					NO FINDINGS				
Other IC									
60-Inch Culvert					NO FINDINGS				
Uncertified Areas					NO FINDINGS				
Roads and Parking Areas					NO FINDINGS				
Trails and Overlooks					NO FINDINGS				

Additional Notes

Fernald Preserve Institutional Control Inspection (continued)

Date Sept. 2016 Inspector Navarro Area Institutional Controls

NONE

U.S. Department of Energy Office of Legacy Management

Fernald Preserve OSDF Walkdown Inspection Report

Beginning: 09/06/2016

Ending: 09/06/2016

Area(s): OSDF Toe, Drainages and Fence Line

Inspector(s): DOE, Ohio EPA, ODH, Navarro

Map No.	Location	GPS?	Type of Finding	Description	Photo? (File No.)
1	Cell 2, west inner drainage	No	Vegetation	Honeysuckle	
2	Cell 2, west inner drainage at horizontal till well	No	Vegetation	Pear tree	
3	Cell 3, west inner drainage between valve houses	No	Vegetation	Pear and other woodies	
4	Cell 4, west inner drainage	No	Vegetation	Cattails in drainage	
5	Cell 6, west inner drainage	No	Vegetation	Woody vegetation	
6	Cell 8, west inner drainage	No	Vegetation	Woody vegetation throughout drainage	
7	Cell 8, southeast slope of cap, several locations	No	Vegetation	Honeysuckle and pear	
8	Cell 8, southeast corner at toe of slope	No	Vegetation	Honeysuckle and pear	
9	Cell 8, southeast corner on slope to top	No	Vegetation	Several honeysuckle	
10	Cell 8, east toe of slope	No	Vegetation	Many honeysuckle and pear	
11	Cell 1, north toe at reasearch well	No	Signage	Survey marker, used to indicate location of well, is down	
12	Cell 1, northwest corner, along ridge, north of parking lot	No	Vegetation	Honeysuckle	

Map No.	Location	GPS?	Type of Finding	Description	Photo? (File No.)
13	Cell 2, west toe, midpoint	No	Vegetation	Honeysuckle	
14	Cell 2, west toe	No	Vegetation	Honeysuckle	
15	Cell 2, west toe across from VH2	No	Vegetation	Honeysuckle	
16	Cell 3, west toe, north end	No	Vegetation	Woody vegetation	
17	Cell 3, west toe	No	Other	Sandy dirt pile	
18	Cell 3, west toe	No	Vegetation	Woody vegetation	
19	Cell 3, west toe	No	Vegetation	Callery pear	
20	Cell 3, west toe	No	Vegetation	Ash tree	
21	Cell 3, west toe	No	Vegetation	Several callery pear	
22	Cell 4, west toe, north end	No	Vegetation	Callery pear and honeysuckle	
23	Cell 4, west toe, north end	No	Vegetation	Cherry tree	
24	Cell 4, west toe, near VH about 5 feet up slope	No	Vegetation	Callery pear	
25	Cell 6, west toe, north end	No	Vegetation	Honeysuckle	
26	Cell 8, west toe	No	Biointrusion	Groundhog hole	
27	Cell 8, west slope about 30 feet upslope from the toe	No	Vegetation	Mulberry	
28	Cell 8, southeast corner toe	No	Vegetation	Honeysuckle	
29	Cell 7, east toe	No	Vegetation	Honeysuckle	
30	Cell 2, east toe, near midpoint	No	Vegetation	Honeysuckle	

Map No.	Location	GPS?	Type of Finding	Description	Photo? (File No.)
31	Cell 2, east toe, 15 feet up slope	No	Vegetation	Callery pear	
32	Cell 1, northwest corner toe	No	Vegetation	Rose bush	
33	Cell 3, west drainage, north side of VH3	No	Vegetation	Woody vegetation	
34	Cell 3, west drainage, south end	No	Vegetation	Woody vegetation	
35	Cell 4, west drainage, near raptor pole	No	Vegetation	Various woody vegetation	
36	Cell 5, west drainage, north end	No	Vegetation	Woody vegetation	
37	Cell 5, west drainage, midpoint	No	Vegetation	Various woody vegetation	
38	Cell 6, west drainage, north end	No	Vegetation	Woody vegetation	
39	Cell 7, west drainage, north end	No	Vegetation	Woody vegetation	
40	Cell 8, west drainage, behind VH8	No	Vegetation	Woody vegetation	
41	Cell 8, west drainage at riprap edge, south of VH8	No	Vegetation	Cottonwood	
42	Cell 8, west drainage, southwest corner	No	Vegetation	Mulberry	
43	Cell 8, southeast corner drainage	No	Vegetation	Woody vegetation and thistle	
44	Cell 3, east drainage	No	Vegetation	Multiple woody vegetation in drainage near cattails	
45	Cell 2, east drainage, north end	No	Vegetation	Willows in cattails	
46	Cell 3, west drainage, north of VH3	No	Vegetation	Johnson grass	
47	Cell 7, west drainage at fenceline	No	Vegetation	Woody vegetation	
48	Cell 8, west drainage	No	Vegetation	Woody vegetation	

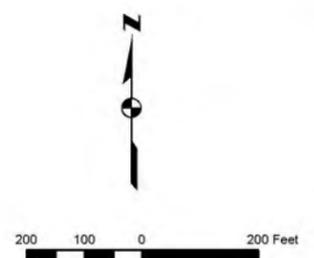
Map No.	Location	GPS?	Type of Finding	Description	Photo? (File No.)
49	Cell 8, west drainage, southwest corner	No	Fencing	Hole under fencing	
50	Cell 1, north drainage	No	Vegetation	Phragmites	

Additional Notes



53 Finding Location
 → Finding Extent

- Inspection Area
- Open Water
- Wetland Basin
- Building
- Road
- Fence
- OSDF Cell Boundary
- Elevation Contour



September 2016 OSDF Inspection

FERNALD PRESERVE

On-Site Disposal Facility

Inspection Photographs

September 2016



U.S. DEPARTMENT OF
ENERGY

Legacy
Management



IMGP5825

East Face Cell 1



IMGP5802

West Face Cell 1



IMGP5828

North Face Cell 1



IMGP5827

North Drainage (looking west)



IMGP5824

East Face Cell 2



IMGP5803

West Face Cell 2



IMGP5823

East Face Cell 3



IMGP5804

West Face Cell 3



IMGP5821

East Face Cell 4



IMGP5805

West Face Cell 4



IMGP5820

East Face Cell 5



IMGP5807

West Face Cell 5



IMGP5819

East Face Cell 6



IMGP5808

West Face Cell 6



IMGP5817

East Face Cell 7



IMGP5809

West Face Cell 7



IMGP5816

East Face Cell 8



IMGP5813

West Face Cell 8



IMGP5814

South Face Cell 8



IMGP5815

South Drainage (looking west)



IMGP5818

East Drainage Cell 7 (looking south)



IMGP5822

East Drainage Cell 4 (looking south)



IMGP5826

East Drainage Cell 1 (looking south)



IMGP5810

West Inner Drainage Cell 7 (looking south)



IMGP5806

West Inner Drainage Cell 4 (looking south)



IMGP5829

West Inner Drainage Cell 1 (looking south)



IMGP5801

West Outer Drainage Cell 1 (looking south)



IMGP5812

West Outer Drainage Cell 8 (looking south)



IMGP5811

West Outer Drainage Cell 8 (looking north)

FERNALD PRESERVE MAINTENANCE AND REPAIR ACTION ITEMS SUMMARY
SEPTEMBER 2016 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			Large-scale woody invasives are addressed on a prioritized schedule
1006	South pines north of Sycamore Trail	No	Honeysuckle all over	6/2/2010	June 2010 quarterly field walkdown	38	Woody vegetation cut and removed	9/15/2016	Large-scale woody invasives are addressed on a prioritized schedule
1013	South side of south pines deer fence	No	Honeysuckle	6/2/2010	June 2010 quarterly field walkdown	45			Large-scale woody invasives are addressed on a prioritized schedule
1020	Southeast of "dance hall"	No	Honeysuckle	6/2/2010	June 2010 quarterly field walkdown	52			Large-scale woody invasives are addressed on a prioritized schedule
1022	Drainage west of northern most well in south field	No	Honeysuckle	6/2/2010	June 2010 quarterly field walkdown	54			Large-scale woody invasives are addressed on a prioritized schedule.
1291	North pines	No	Honeysuckle along woodline	9/7/2011	September 2011 quarterly field walkdown	10			Large-scale woody invasives are addressed on a prioritized schedule
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			
1671	Behind Valve House (VH) 8	No	Culvert pipe	3/12/2013	March 2013 OSDF Inspection	HS13			
1739	East bank Paddys Run	No	Multiflora rose	6/6/2013	June 2013 quarterly field walkdown	52			
1741	Overlook on Shingle Oak Trail at pond	No	Pear	6/6/2013	June 2013 quarterly field walkdown	54			

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
1774	Hill along State Route 126	No	Teasel and honeysuckle	9/4/2013	September 2013 quarterly field walkdown	3			Large-scale woody invasives are addressed on a prioritized schedule
1781	Hill along State Route 126	No	Honeysuckle	9/4/2013	September 2013 quarterly field walkdown	10			Large-scale woody invasives are addressed on a prioritized schedule
1788	WM1 W4 between pond and swale	No	Honeysuckle	9/4/2013	September 2013 quarterly field walkdown	17			
1790	By well south of WM1	No	Callery pear	9/4/2013	September 2013 quarterly field walkdown	19			
1795	East edge Cell 8	No	Debris	9/10/2013	September 2013 OSDF Inspection	JH3	Removed and disposed	6/27/2016	
1798	Cell 2, east 6:1	No	Rock/concrete	9/10/2013	September 2013 OSDF Inspection	JH7			
1817	West fence at Cell 7/8	No	Debris	9/10/2013	September 2013 OSDF Inspection	HS19			Unable to locate
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
1848	Southeast of chestnut plot	No	Remove tree fence	12/3/2013	December 2013 quarterly field walkdown	26			Photo taken by inspector
1910	Northwest of Skillet Pond	No	Concrete	3/10/2014	March 2014 quarterly field walkdown	53			
2020	Train trestle across Paddys Run	No	Thick vegetation along fencing and gate of trestle	6/3/2014	June 2014 point-specific institutional controls inspection	NA	Vegetation was cleared	7/29/2016	

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
2109	West edge of W6	No	Trash	9/3/2014	September 2014 quarterly field walkdown	15			
2110	West edge W4	No	Trash	9/3/2014	September 2014 quarterly field walkdown	16			
2158	West fence at VH 4	No	Water flow from under culvert	9/5/2014	September 2014 OSDF Inspection	44			
2180	Paddys Run trestle	No	Vegetation overgrown at both gates of the trestle	9/4/2014	September 2014 point-specific institutional controls inspection	NA			
2231	North of east end of WM2	No	Stand of teasel	12/4/2014	December 2014 quarterly field walkdown	1			
2232	East and north of service road, northwest of WM2	No	Pear tree	12/4/2014	December 2014 quarterly field walkdown	2			
2235	West of north/south section of Hickory Trail	No	Autumn olive	12/4/2014	December 2014 quarterly field walkdown	5			
2245	WM2 wetlands	No	Deer cages still present	12/4/2014	December 2014 quarterly field walkdown	9			Are these cages still needed?
2270	75 yards east of Well House 28	No	Glazed tile	1/14/2015	January 2015 quarterly field walkdown	25			
2272	Written description of location not provided	No	Erosion	1/14/2015	January 2015 quarterly field walkdown	27			September 2015 - Some stabilization starting; grass is growing
2276	Former waste pits area (FWP) W7	No	Erosion, hole	1/14/2015	January 2015 quarterly field walkdown	31			
2285	Storm Sewer Outfall Ditch (SSOD)	No	Glazed tile	2/10/2015	February 2015 quarterly field walkdown	2	Contaminated, dispositioned accordingly	6/23/2016	

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
2286	North of Southern Waste Units (SWU) near SSOD	No	Erosion	2/10/2015	February 2015 quarterly field walkdown	3			
2292	East side of the pond with the boardwalk	No	Felt	2/10/2015	February 2015 quarterly field walkdown	9	Removed felt	6/22/2016	
2293	Between trail and deer fence west of trail	No	Phragmites	2/10/2015	February 2015 quarterly field walkdown	10			
2296	Area inside wooded loop of Sycamore Trail, west of pines	No	Old cages	2/10/2015	February 2015 quarterly field walkdown	13			
2301	SSOD, below well house	No	Cages next to creek	2/10/2015	February 2015 quarterly field walkdown	18			
2309	East of Shingle Oak Trail between PRE- PP1 sections	No	Asphalt	2/10/2015	February 2015 quarterly field walkdown	26			Unable to locate
2322	East perimeter at fence	No	Metal pipe in ground; hole under fence	3/11/2015	March 2015 OSDF Inspection	12			Cut off pipe
2331	South perimeter field between fence and gravel road	No	Field of bull thistle	3/11/2015	March 2015 OSDF Inspection	20			
2346	W4 swale	No	Honeysuckle	3/12/2015	March 2015 quarterly field walkdown	2			Large-scale woody invasives are addressed on a prioritized schedule
2353	Northwest of power line tower along ditch	No	Fresh erosion on bank possibly from muskrats	3/12/2015	March 2015 quarterly field walkdown	9			
2358	Monitoring Wells 2431 and 3431	No	Water collecting around well pads; terrain needs altered to drain surface water away from wells	3/12/2015	March 2015 quarterly field walkdown	14			
2365	Bottom of slope	No	Geotextile material	3/12/2015	March 2015 quarterly field walkdown	21			

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
2366	East of Cell 8, north of former Sewerage Treatment Plant Pond	No	Concrete slab	3/12/2015	March 2015 quarterly field walkdown	22			
2395	South prairie area near gate	No	Scattered musk thistle	6/3/2015	June 2015 OSDF Inspection	24			
2396	South drainage (east/west)	No	Honeysuckle, canada thistle, pear, musk thistle, multiflora rose	6/3/2015	June 2015 OSDF Inspection	25			
2397	Southwest corner along west side of OSDF road just north of gate	No	Honeysuckle	6/3/2015	June 2015 OSDF Inspection	26			
2413	East perimeter road at Cell 1/2 boundary	No	Honeysuckle	6/4/2015	June 2015 OSDF Inspection	42			
2424	East drainage at Cell 2	No	Grape vine, Virginia creeper, honeysuckle	6/3/2015	June 2015 OSDF Inspection	53			
2425	East drainage at Cell 2, south end	No	Honeysuckle, virginia creeper	6/3/2015	June 2015 OSDF Inspection	54			
2460	Along west edge of road, south of VH 8	No	Callery pear	6/3/2015	June 2015 OSDF Inspection	NA			Finding not identified on map
2461	Across from VH 5	No	Honeysuckle	6/3/2015	June 2015 OSDF Inspection	NA			Finding not identified on map
2478	East toe of Cell 3 near Cell 2/3 boundary	No	Canada thistle	9/2/2015	September 2015 OSDF Inspection	14			
2479	East toe of Cell 3 near Cell 3/4 boundary	No	Canada thistle	9/2/2015	September 2015 OSDF Inspection	15			
2487	North drainage	No	Willow	9/3/2015	September 2015 OSDF Inspection	23			

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
2496	East perimeter fence at Cell 8	No	Hole under fence	9/3/2015	September 2015 OSDF Inspection	32			
2497	South drain	No	Cottonwood	9/3/2015	September 2015 OSDF Inspection	33			
2498	Field by south gate	No	Thistle	9/3/2015	September 2015 OSDF Inspection	34			
2499	Along south entrance road at west end of south drain	No	Honeysuckle	9/3/2015	September 2015 OSDF Inspection	35			
2501	West fence at Cell 8	No	Honeysuckle growing into fence	9/3/2015	September 2015 OSDF Inspection	37			
2502	West drain at Cell 8	No	Teasel	9/3/2015	September 2015 OSDF Inspection	38			
2546	Cell 3, west slope, near toe	No	Teasel patches	12/2/2015	December 2015 OSDF Inspection	37			
2556	Cell 3, east slope, near toe	No	Thistle and black matting	12/2/2015	December 2015 OSDF Inspection	47			
2561	Cell 8, east slope, in line with pond on east perimeter	No	Animal burrow	12/2/2015	December 2015 OSDF Inspection	52			Unable to locate finding
2573	Cell 3, west slope, near midpoint	No	Geotextile fabric	12/2/2015	December 2015 OSDF Inspection	64			Unable to locate fabric or flag
2575	Cell 8, west slope, north end	No	Animal burrow	12/2/2015	December 2015 OSDF Inspection	66			Unable to locate finding
2580	Cell 3, east slope	No	Clay tile (3" x 5")	12/2/2015	December 2015 OSDF Inspection	71			Unable to locate tile or flag; un-glazed clay tile is not removed

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
2615	Cell 3, east slope	No	Erosion/burrow	12/2/2015	December 2015 OSDF Inspection	106			
2617	Cell 3, west slope, near toe, near midpoint	No	Musk and bull thistle patches	12/2/2015	December 2015 OSDF Inspection	108			
2624	Cell 8, west slope, near toe, across from VH8	No	Canada thistle	12/2/2015	December 2015 OSDF Inspection	115			
2627	East end of south laydown area	No	Teasel and thistle	12/2/2015	December 2015 OSDF Inspection	118			
2634	Cell 1, northeast corner drain	No	Canada thistle and teasel	12/2/2015	December 2015 OSDF Inspection	125			
2636	Cell 1, northwest corner drain	No	Teasel	12/2/2015	December 2015 OSDF Inspection	127			
2637	Cell 1, west drain, behind VH 1	No	Teasel	12/2/2015	December 2015 OSDF Inspection	128			
2638	Cell 2, west drain, next to fence	No	Unknown grass (invasive) and teasel	12/2/2015	December 2015 OSDF Inspection	129			
2639	Cell 3, west drain, next to fence	No	Teasel and cedar	12/2/2015	December 2015 OSDF Inspection	130			The woody vegetation was cut and herbicide applied on 12/10/2015, but the herbaceous vegetation was not treated
2642	Cell 5, west drain, behind VH 5	No	Teasel	12/2/2015	December 2015 OSDF Inspection	133			
2644	Cell 7, west drain, behind VH 7	No	Teasel	12/2/2015	December 2015 OSDF Inspection	135			
2648	Cell 2, west slope, near midpoint	No	Thistle	12/2/2015	December 2015 OSDF Inspection	139			

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
2649	Cell 3, west slope, near midpoint	No	Large patch of thistle	12/2/2015	December 2015 OSDF Inspection	140			
2651	Cell 7, west slope, north end, extending east/west along slope	No	Large thistle patch	12/2/2015	December 2015 OSDF Inspection	142			
2652	Cell 7, west slope, near midpoint	No	Large patch of teasel	12/2/2015	December 2015 OSDF Inspection	143			
2653	Cell 1, northeast corner drain, on riprap bank	No	Thistle	12/2/2015	December 2015 OSDF Inspection	144			
2654	Northwest corner of fenced in area	No	Hole in fence	12/8/2015	December 2015 quarterly field walkdown	1			
2655	East end of fenced in area	No	Corner brace of fence is down	12/8/2015	December 2015 quarterly field walkdown	2	Deer fence repaired	8/16/2016	
2656	Oxbow in stream (on bank?)	No	Green 5 gallon bucket	12/8/2015	December 2015 quarterly field walkdown	3	Removed bucket	6/23/2016	
2657	In lower field near Paddys Run	No	Old cages cutting into bark of trees; cages need to be removed	12/8/2015	December 2015 quarterly field walkdown	4			
2658	South field	No	Old cages	12/8/2015	December 2015 quarterly field walkdown	5			
2659	At base of hill on west side	No	Old cages	12/8/2015	December 2015 quarterly field walkdown	6			
2660	Deer fence next to Paddys Run Road	No	Hole in deer fence	12/8/2015	December 2015 quarterly field walkdown	7	Deer fence repaired	7/5/2016	
2661	Northwest corner of chestnut plot fence	No	Damage to fence	12/8/2015	December 2015 quarterly field walkdown	8			

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
2662	North of chestnut plot	No	Snow fence around well is down	12/8/2015	December 2015 quarterly field walkdown	9			
2663	North end of deer fence	No	Hole in fence	12/8/2015	December 2015 quarterly field walkdown	10	Deer fence repaired	7/6/2016	
2664	East side of deer fence	No	Hole in fence	12/8/2015	December 2015 quarterly field walkdown	11	Deer fence repaired	7/6/2016	
2665	East side of deer fence	No	Hole in fence	12/8/2015	December 2015 quarterly field walkdown	12	Deer fence repaired	7/11/2016	
2666	East side of deer fence	No	Hole in fence	12/8/2015	December 2015 quarterly field walkdown	13	Deer fence repaired	7/6/2016	
2667	Along west side of the Converted Advanced Waste Water Treatment Facility (CAWWT) fence line	No	Tree within three feet of the fence line	12/10/2015	December 2015 point-specific institutional controls inspection	NA			
2673	South of east/west drainage	No	Widespread teasel	1/28/2016	January 2016 quarterly field walkdown	6			
2674	West of small pond, along drain	No	Concrete, multiple pieces	1/28/2016	January 2016 quarterly field walkdown	7	Removed and disposed	6/21/2016	Flag labeled "LM 1/28/16"
2675	Northwest of "serpent" wetland	No	Disturbed soil with gravel	1/28/2016	January 2016 quarterly field walkdown	8			
2684	North of road	No	Glazed tile	1/28/2016	January 2016 quarterly field walkdown	NA			Finding not identified on map
2685	East of CAWWT	No	Teasel	1/28/2016	January 2016 quarterly field walkdown	NA			Finding not identified on map
2686	Paddys Run Streambank Stabilization Project access road	No	Minor erosion rill	1/28/2016	January 2016 quarterly field walkdown	16			

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
2688	3B south, east of Skillet Pond	No	T-posts need removed	1/28/2016	January 2016 quarterly field walkdown	18			
2693	Waste pit/pond drain	No	No ropes on on t-posts marking boundary of ersoion area	1/28/2016	January 2016 quarterly field walkdown	23			
2694	Waste pit/pond drain	No	Posts are down in drain	1/28/2016	January 2016 quarterly field walkdown	24			
2695	Pit 3	No	Posts and wire fence need romoved (tree cages)	1/28/2016	January 2016 quarterly field walkdown	25			
2702	West side of deer fence north of "dance hall" building	No	Hole in the deer fence	2/23/2016	February 2016 quarterly field walkdown	2			
2704	Northwest side of deer fence north of substation	No	Top of deer fence is low	2/23/2016	February 2016 quarterly field walkdown	4	Deer fence repaired	6/30/2016	
2705	South side of deer fence north of substation (west end)	No	Hole in deer fence	2/23/2016	February 2016 quarterly field walkdown	5	Deer fence repaired	6/30/2016	
2706	South side of deer fence north of substation	No	Gate to deer fence was open	2/23/2016	February 2016 quarterly field walkdown	6	Deer fence repaired; gate replaced	6/30/2016	
2707	East side of deer fence north of "dance hall"	No	Hole in fence	2/23/2016	February 2016 quarterly field walkdown	7	Deer fence repaired	6/30/2016	
2710	In the pines, just east of the east branch of the Shingle Oak Trail	No	Old cages need removed	2/23/2016	February 2016 quarterly field walkdown	10			
2712	Slope east of drainage that flows north from off site	No	Old deer cages need removed	2/23/2016	February 2016 quarterly field walkdown	12			
2713	West edge of west branch of Shingle Oak Trail at prairie pocket	No	Teasel	2/23/2016	February 2016 quarterly field walkdown	13			

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
2714	East edge of prairie strip north of boardwalk	No	Teasel	2/23/2016	February 2016 quarterly field walkdown	14			
2715	Southern Waste Units (SWU) - west end of concrete slab wall	No	Concrete	2/23/2016	February 2016 quarterly field walkdown	15	Concrete identified is clean concrete used in the construction of the cave salamander habitat	6/23/2016	
2716	In creek bottom	No	Sand bags	2/23/2016	February 2016 quarterly field walkdown	16			
2718	Hillside east of Paddys Run	No	Blacktop/concrete	2/23/2016	February 2016 quarterly field walkdown	18			
2719	Pilot plant drainage ditch	No	Cinder blocks/concrete	2/23/2016	February 2016 quarterly field walkdown	19	Removed; some disposed and some retained for later disposal	6/23/2016	
2720	Toward creek from bench	No	Rusted metal object	2/23/2016	February 2016 quarterly field walkdown	20	Removed and disposed	6/23/2016	
2721	Deer fence north of substation	No	Deer fence sagging in two locations	2/23/2016	February 2016 quarterly field walkdown	21	Deer fence repaired	6/30/2016	
2722	South side of deer fence north of the "dance hall"	No	Gate was open	2/23/2016	February 2016 quarterly field walkdown	22			
2723	In erosion ditch on the east edge of prairie south of Storm Water Retention Basin and west of Storm Sewer Outfall Ditch	No	Acid brick/concrete	2/23/2016	February 2016 quarterly field walkdown	23			
2724	In drainage just south of where it leaves Storm Water Retention Basin	No	Vac hose/debris	2/23/2016	February 2016 quarterly field walkdown	24			
2725	West side of silos ponds	No	Teasel across area	2/23/2016	February 2016 quarterly field walkdown	25			
2726	Woodlot between pines and Sycamore Trail	No	T-posts and cages down	2/23/2016	February 2016 quarterly field walkdown	26			

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
2727	Above concrete slab wall	No	Teasel	2/23/2016	February 2016 quarterly field walkdown	27			
2728	SWU - south of wall, north of trail	No	Teasel	2/23/2016	February 2016 quarterly field walkdown	28			
2729	SWU - south edge of trail	No	Teasel	2/23/2016	February 2016 quarterly field walkdown	29			
2730	SWU - inside trail loop	No	Teasel	2/23/2016	February 2016 quarterly field walkdown	30			
2731	SWU - inside trail loop, south side of basin	No	Teasel	2/23/2016	February 2016 quarterly field walkdown	31			
2732	Northwest of substation	No	Teasel	2/23/2016	February 2016 quarterly field walkdown	32			
2733	South of gravel road, west of Sycamore Trail, north of deer fence	No	Black plastic liner material	2/23/2016	February 2016 quarterly field walkdown	33	Removed and disposed	6/22/2016	
2735	North of the pines just east of north access road	No	Old cages	3/2/2016	March 2016 quarterly field walkdown	2			
2736	East of pond north of former Dissolved Oxygen Building	No	Concrete	3/2/2016	March 2016 quarterly field walkdown	3			
2739	Berm between Basins 1 and 5	No	Trash/plastic	3/2/2016	March 2016 quarterly field walkdown	6	Removed and disposed	6/21/2016	
2740	Southwest corner of deer fence just south of shed	No	Hole in fence	3/2/2016	March 2016 quarterly field walkdown	7			
2743	Between swale and pond	No	Rebar sticking up about 1 foot out of ground	3/2/2016	March 2016 quarterly field walkdown	10			

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
2744	Cell 7, east toe	No	Woody vegetation	3/2/2016	March 2016 OSDF Inspection	1			
2745	Cell 3/4 boundary along fence	No	Cedar	3/2/2016	March 2016 OSDF Inspection	2			
2746	East drain at Cell 3, along fence	No	Woody vegetation	3/2/2016	March 2016 OSDF Inspection	3			
2747	East drain at Cell 3 along fence	No	Trash	3/2/2016	March 2016 OSDF Inspection	4			
2748	At fence behind Valve House (VH) 3	No	Concrete	3/2/2016	March 2016 OSDF Inspection	5	Removed and disposed	6/27/2016	
2749	At fence between VH 3 and 4	No	Cedar	3/2/2016	March 2016 OSDF Inspection	6			
2750	At fence	No	Cedar	3/2/2016	March 2016 OSDF Inspection	7			
2751	East drain at fence	No	Cedar	3/2/2016	March 2016 OSDF Inspection	8			
2753	On south edge of former railroad bed	No	Metal bands	2/10/2015	February 2015 quarterly field walkdown	28	Removed and disposed	6/23/2016	
2768	Hickory Trail	No	Water flowing over trail at emergency spillway and erosion cutting into bank	12/28/2015	Weekly Trail Inspection	NA			
2769	Weapons to Wetland trail	No	Standing and flowing water on trail	12/22/2015	Weekly Trail Inspection	NA			
2770	North drainage	No	Woody vegetation throughout the length of the north drainage	6/1/2016	June 2016 OSDF Inspection	1			To reduce finding identification "congestion" on the map, several findings were grouped together into one identification

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
2771	East drainage	No	Woody vegetation throughout the length of the east drainage	6/1/2016	June 2016 OSDF Inspection	2			To reduce finding identification "congestion" on the map, several findings were grouped together into one identification
2772	South drainage	No	Woody vegetation throughout the length of the south drainage	6/1/2016	June 2016 OSDF Inspection	3			To reduce finding identification "congestion" on the map, several findings were grouped together into one identification
2773	West drainage	No	Woody vegetation throughout the length of the west drainage	6/1/2016	June 2016 OSDF Inspection	4			To reduce finding identification "congestion" on the map, several findings were grouped together into one identification
2774	Cell 1/2 boundary, east drainage in riprap	No	Teasel patch growing in riprap	6/1/2016	June 2016 OSDF Inspection	5			
2775	Cell 8, on west edge of road at southwest corner	No	Teasel patch growing in riprap	6/1/2016	June 2016 OSDF Inspection	6			
2776	Cell 1, east fenceline	No	Animal burrow under the fence	6/1/2016	June 2016 OSDF Inspection	7			
2777	Southeast corner in riprap along fenceline	No	Crown vetch	6/1/2016	June 2016 OSDF Inspection	8			
2778	Cell 1, north toe	No	Multiflora rose	6/1/2016	June 2016 OSDF Inspection	9	Woody vegetation cut and herbicide applied to stump	9/16/2016	
2779	Cell 3, east toe	No	Callery pear	6/1/2016	June 2016 OSDF Inspection	10	Woody vegetation cut and herbicide applied to stump	9/16/2016	
2780	Cell 3, east toe	No	Callery pear	6/1/2016	June 2016 OSDF Inspection	11	Woody vegetation cut and herbicide applied to stump	9/16/2016	
2781	Cell 4, east toe	No	Callery pear	6/1/2016	June 2016 OSDF Inspection	12	Woody vegetation cut and herbicide applied to stump	9/16/2016	
2782	Cell 7, east toe	No	Honeysuckle (3)	6/1/2016	June 2016 OSDF Inspection	13	Woody vegetation cut and herbicide applied to stump	9/16/2016	

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
2783	Cell 7, east toe	No	Honeysuckle	6/1/2016	June 2016 OSDF Inspection	14	Woody vegetation cut and herbicide applied to stump	9/16/2016	
2784	Cell 7, east toe	No	Honeysuckle	6/1/2016	June 2016 OSDF Inspection	15	Woody vegetation cut and herbicide applied to stump	9/16/2016	
2785	Cell 8, east toe	No	Honeysuckle	6/1/2016	June 2016 OSDF Inspection	16	Woody vegetation cut and herbicide applied to stump	9/16/2016	
2786	Cell 8, east toe	No	Thistle and honeysuckle	6/1/2016	June 2016 OSDF Inspection	17			
2787	Cell 8, east toe	No	Hackberry and honeysuckle	6/1/2016	June 2016 OSDF Inspection	18	Woody vegetation cut and herbicide applied to stump	9/16/2016	
2788	Cell 8, west toe	No	Cedar tree in riprap	6/1/2016	June 2016 OSDF Inspection	19			
2789	Cell 8, in riprap near valve house	No	Various woody vegetation in riprap	6/1/2016	June 2016 OSDF Inspection	20			
2790	Cell 7, west toe	No	Various woody vegetation in riprap	6/1/2016	June 2016 OSDF Inspection	21			
2791	Cell 7, west toe	No	Woody vegetation	6/1/2016	June 2016 OSDF Inspection	22			
2792	Cell 6, west toe in riprap	No	Woody vegetation	6/1/2016	June 2016 OSDF Inspection	23			
2793	Cell 4, west toe	No	Woody vegetation	6/1/2016	June 2016 OSDF Inspection	24	Woody vegetation cut and herbicide applied to stump	9/16/2016	
2794	Cell 3, west toe	No	Woody vegetation	6/1/2016	June 2016 OSDF Inspection	25	Woody vegetation cut and herbicide applied to stump	9/16/2016	

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
2795	Cell 3, west toe	No	Woody vegetation	6/1/2016	June 2016 OSDF Inspection	26	Woody vegetation cut and herbicide applied to stump	9/16/2016	
2796	Cell 1/2 boundary, west toe	No	Woody vegetation	6/1/2016	June 2016 OSDF Inspection	27	Woody vegetation cut and herbicide applied to stump	9/16/2016	
2798	West perimeter of Fernald Preserve	No	Perimeter sign S14 not located; completely overgrown and needs vegetation cut away	6/2/2016	June 2016 point-specific institutional controls inspection	NA	Vegetation was cleared away from in front of perimeter sign	6/20/2016	
2799	West perimeter of Fernald Preserve	No	Perimeter signs S17, S23, and S34 need branches and brush cut away	6/1/2016	June 2016 point-specific institutional controls inspection	NA	Vegetation was cleared away from in front of perimeter signs	6/20/2016	
2801	North perimeter of Fernald Preserve	No	Perimeter sign S46 needs branches and brush cut away	6/2/2016	June 2016 point-specific institutional controls inspection	NA			
2802	Cell 2, west inner drainage	No	Honeysuckle	9/6/2016	September 2016 OSDF Inspection	1	Woody vegetation cut and herbicide applied to stump	9/16/2016	
2803	Cell 2, west inner drainage at horizontal till well	No	Pear tree	9/6/2016	September 2016 OSDF Inspection	2	Woody vegetation cut and herbicide applied to stump	9/16/2016	
2804	Cell 3, west inner drainage between valve houses	No	Pear and other woodies	9/6/2016	September 2016 OSDF Inspection	3	Woody vegetation cut and herbicide applied to stump	9/16/2016	
2805	Cell 4, west inner drainage	No	Cattails in drainage	9/6/2016	September 2016 OSDF Inspection	4			
2806	Cell 6, west inner drainage	No	Woody vegetation	9/6/2016	September 2016 OSDF Inspection	5			
2807	Cell 8, west inner drainage	No	Woody vegetation throughout drainage	9/6/2016	September 2016 OSDF Inspection	6			
2808	Cell 8, southeast slope of cap, several locations	No	Honeysuckle and pear	9/6/2016	September 2016 OSDF Inspection	7			

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
2809	Cell 8, southeast corner at toe of slope	No	Honeysuckle and pear	9/6/2016	September 2016 OSDF Inspection	8	Woody vegetation cut and herbicide applied to stump	9/16/2016	
2810	Cell 8, southeast corner on slope to top	No	Several honeysuckle	9/6/2016	September 2016 OSDF Inspection	9	Woody vegetation cut and herbicide applied to stump	9/16/2016	
2811	Cell 8, east toe of slope	No	Many honeysuckle and pear	9/6/2016	September 2016 OSDF Inspection	10	Woody vegetation cut and herbicide applied to stump	9/16/2016	
2812	Cell 1, north toe at reasearch well	No	Survey marker, used to indicate location of well, is down	9/6/2016	September 2016 OSDF Inspection	11			
2813	Cell 1, northwest corner, along ridge, north of parking lot	No	Honeysuckle	9/6/2016	September 2016 OSDF Inspection	12	Woody vegetation cut and herbicide applied to stump	9/16/2016	
2814	Cell 2, west toe, midpoint	No	Honeysuckle	9/6/2016	September 2016 OSDF Inspection	13	Woody vegetation cut and herbicide applied to stump	9/16/2016	
2815	Cell 2, west toe	No	Honeysuckle	9/6/2016	September 2016 OSDF Inspection	14	Woody vegetation cut and herbicide applied to stump	9/16/2016	
2816	Cell 2, west toe across from VH2	No	Honeysuckle	9/6/2016	September 2016 OSDF Inspection	15	Woody vegetation cut and herbicide applied to stump	9/16/2016	
2817	Cell 3, west toe, north end	No	Woody vegetation	9/6/2016	September 2016 OSDF Inspection	16	Woody vegetation cut and herbicide applied to stump	9/16/2016	
2818	Cell 3, west toe	No	Sandy dirt pile	9/6/2016	September 2016 OSDF Inspection	17			
2819	Cell 3, west toe	No	Woody vegetation	9/6/2016	September 2016 OSDF Inspection	18	Woody vegetation cut and herbicide applied to stump	9/16/2016	
2820	Cell 3, west toe	No	Callery pear	9/6/2016	September 2016 OSDF Inspection	19	Woody vegetation cut and herbicide applied to stump	9/16/2016	

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
2821	Cell 3, west toe	No	Ash tree	9/6/2016	September 2016 OSDF Inspection	20	Woody vegetation cut and herbicide applied to stump	9/16/2016	
2822	Cell 3, west toe	No	Several callery pear	9/6/2016	September 2016 OSDF Inspection	21	Woody vegetation cut and herbicide applied to stump	9/16/2016	
2823	Cell 4, west toe, north end	No	Callery pear and honeysuckle	9/6/2016	September 2016 OSDF Inspection	22	Woody vegetation cut and herbicide applied to stump	9/16/2016	
2824	Cell 4, west toe, north end	No	Cherry tree	9/6/2016	September 2016 OSDF Inspection	23			
2825	Cell 4, west toe, near VH about 5 feet up slope	No	Callery pear	9/6/2016	September 2016 OSDF Inspection	24			
2826	Cell 6, west toe, north end	No	Honeysuckle	9/6/2016	September 2016 OSDF Inspection	25			
2827	Cell 8, west toe	No	Groundhog hole	9/6/2016	September 2016 OSDF Inspection	26			
2828	Cell 8, west slope about 30 feet upslope from the toe	No	Mulberry	9/6/2016	September 2016 OSDF Inspection	27			
2829	Cell 8, southeast corner toe	No	Honeysuckle	9/6/2016	September 2016 OSDF Inspection	28	Woody vegetation cut and herbicide applied to stump	9/16/2016	
2830	Cell 7, east toe	No	Honeysuckle	9/6/2016	September 2016 OSDF Inspection	29	Woody vegetation cut and herbicide applied to stump	9/16/2016	
2831	Cell 2, east toe, near midpoint	No	Honeysuckle	9/6/2016	September 2016 OSDF Inspection	30	Woody vegetation cut and herbicide applied to stump	9/16/2016	
2832	Cell 2, east toe, 15 feet up slope	No	Callery pear	9/6/2016	September 2016 OSDF Inspection	31	Woody vegetation cut and herbicide applied to stump	9/16/2016	

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
2833	Cell 1, northwest corner toe	No	Rose bush	9/6/2016	September 2016 OSDF Inspection	32	Woody vegetation cut and herbicide applied to stump	9/16/2016	
2834	Cell 3, west drainage, north side of VH3	No	Woody vegetation	9/6/2016	September 2016 OSDF Inspection	33	Woody vegetation cut and herbicide applied to stump	9/16/2016	
2835	Cell 3, west drainage, south end	No	Woody vegetation	9/6/2016	September 2016 OSDF Inspection	34	Woody vegetation cut and herbicide applied to stump	9/16/2016	
2836	Cell 4, west drainage, near raptor pole	No	Various woody vegetation	9/6/2016	September 2016 OSDF Inspection	35	Woody vegetation cut and herbicide applied to stump	9/16/2016	
2837	Cell 5, west drainage, north end	No	Woody vegetation	9/6/2016	September 2016 OSDF Inspection	36			
2838	Cell 5, west drainage, midpoint	No	Various woody vegetation	9/6/2016	September 2016 OSDF Inspection	37			
2839	Cell 6, west drainage, north end	No	Woody vegetation	9/6/2016	September 2016 OSDF Inspection	38			
2840	Cell 7, west drainage, north end	No	Woody vegetation	9/6/2016	September 2016 OSDF Inspection	39			
2841	Cell 8, west drainage, behind VH8	No	Woody vegetation	9/6/2016	September 2016 OSDF Inspection	40			
2842	Cell 8, west drainage at riprap edge, south of VH8	No	Cottonwood	9/6/2016	September 2016 OSDF Inspection	41			No flag
2843	Cell 8, west drainage, southwest corner	No	Mulberry	9/6/2016	September 2016 OSDF Inspection	42			No flag
2844	Cell 8, southeast corner drainage	No	Woody vegetation and thistle	9/6/2016	September 2016 OSDF Inspection	43			

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
2845	Cell 3, east drainage	No	Multiple woody vegetation in drainage near cattails	9/6/2016	September 2016 OSDF Inspection	44			
2846	Cell 2, east drainage, north end	No	Willows in cattails	9/6/2016	September 2016 OSDF Inspection	45			
2847	Cell 3, west drainage, north of VH3	No	Johnson grass	9/6/2016	September 2016 OSDF Inspection	46			
2848	Cell 7, west drainage at fenceline	No	Woody vegetation	9/6/2016	September 2016 OSDF Inspection	47			
2849	Cell 8, west drainage	No	Woody vegetation	9/6/2016	September 2016 OSDF Inspection	48			
2850	Cell 8, west drainage, southwest corner	No	Hole under fencing	9/6/2016	September 2016 OSDF Inspection	49			
2851	Cell 1, north drainage	No	Phragmites	9/6/2016	September 2016 OSDF Inspection	50			
2852	S4 along Willey Rd. near rainbow bridge	No	Weeds need trimmed away from sign/posts.	9/6/2016	September 2016 point-specific institutional controls inspection	NA			
2853	S5 along Willey Rd. near rainbow bridge	No	Weeds need trimmed away from sign/post	9/6/2016	September 2016 point-specific institutional controls inspection	NA			
2854	S6 along Willey Rd. at Paddys Run Rd. intersection	No	Weeds need trimmed away from sing/post	9/6/2016	September 2016 point-specific institutional controls inspection	NA			

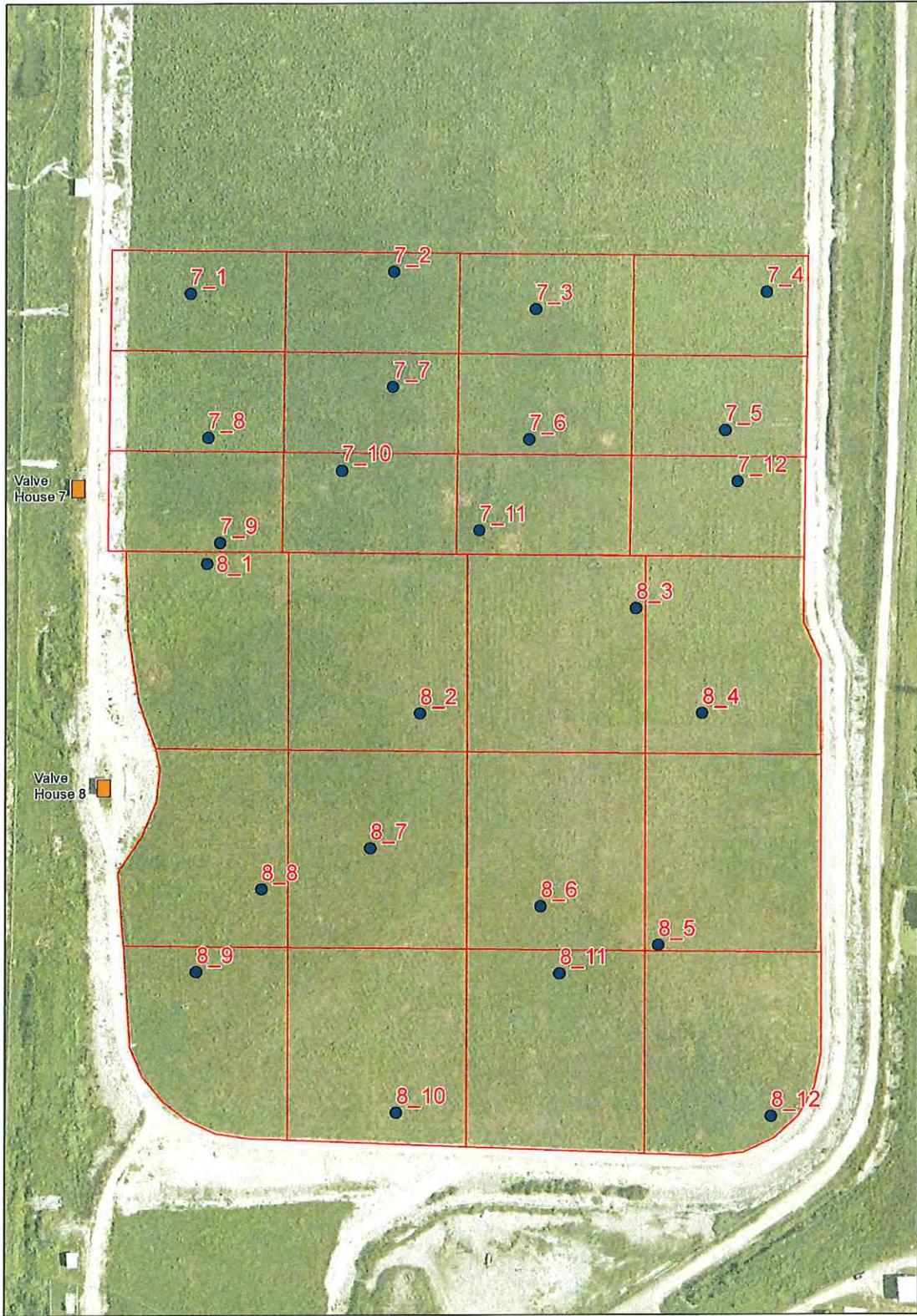
2016 OSDF Herbaceous Implementation Monitoring Area Summary Table

Restoration Project Area Monitoring Sub Area	On-Site Disposal Facility	
	Cell 7	Cell 8
Total Species	35	25
Native Species	20	14
Non-Native Species	15	11
Native Species (Percent)	57%	56%
Relative Frequency of Native Species (Percent)	60%	57%
Average Coefficient of Conservatism (CC), range between 0 - 10	1.85	2.00
Floristic Quality Assessment Index	10.94	10.00
Average Total Cover (Percent)	97%	97%

Scientific Name	Common Name	Type	CC	Relative Frequency	
				Cell 7	Cell 8
<i>Ambrosia artemisiifolia</i>	COMMON RAGWEED	forb	0	4%	4%
<i>Andropogon gerardii</i>	BIG BLUESTEM	grass	5	7%	1%
<i>Asclepias syriaca</i>	COMMON MILKWEED	forb	1	1%	1%
<i>Aster pilosus</i>	AWL ASTER	forb	1	4%	7%
<i>Bouteloua curtipendula</i>	SIDE-OATS GRAMA GRASS	grass	8	2%	1%
<i>Carex sp.</i>	SEDGE SPECIES	sedge	NDA ^a	1%	1%
<i>Celtis occidentalis</i>	HACKBERRY	tree	4	1%	1%
<i>Chamaecrista fasciculata</i>	PARTRIDGE-PEA	forb	3	2%	
<i>Coryza canadensis</i>	HORSEWEED	forb	0	1%	
<i>Cryptotaenia canadensis</i>	HONEWORT	forb	3	2%	
<i>Elymus canadensis</i>	CANADA WILD RYE	grass	6	7%	12%
<i>Heliopsis helianthoides</i>	SMOOTH OXEYE	forb	5	1%	
<i>Lactuca canadensis</i>	WILD LETTUCE	forb	1	1%	4%
<i>Ludwigia palustris</i>	WATER-PURLANE	forb	3	1%	
<i>Monarda fistulosa</i>	WILD BERGAMOT	forb	3	4%	4%
<i>Panicum virgatum</i>	SWITCH GRASS	grass	4	1%	
<i>Ratibida pinnata</i>	GRAY-HEADED CONEFLOWER	forb	5	10%	7%
<i>Senecio obovatus</i>	ROUND-LEAVED SQUAW-WEED	forb	4		1%
<i>Solidago canadensis</i>	CANADA GOLDENROD	forb	1	5%	7%
<i>Sorghastrum nutans</i>	INDIAN GRASS	grass	5	2%	1%
<i>Vitis sp.</i>	GRAPE VINE SPECIES	vine	3	1%	
<i>Agrostis gigantea</i>	REDTOP	grass	0	5%	9%
<i>Bromus japonicus</i>	JAPANESE BROME	grass	0	7%	6%
<i>Cirsium arvense</i>	CANADA THISTLE	forb	0	1%	
<i>Convolvulus arvensis</i>	FIELD BINDWEED	forb	0	2%	
<i>Daucus carota</i>	QUEEN-ANNE'S-LACE	forb	0	2%	
<i>Dipsacus fullonum</i>	WILD TEASEL	forb	0	2%	
<i>Festuca pratensis</i>	MEADOW FESCUE	grass	0		3%
<i>Lolium multiflorum</i>	ITALIAN RYEGRASS	grass	0		4%
<i>Medicago lupulina</i>	BLACK MEDICK	forb	0	4%	6%
<i>Plantago major</i>	COMMON PLANTAIN	forb	0	1%	3%
Regreen	REGREEN	grass	0	1%	
<i>Rumex crispus</i>	CURLY DOCK	forb	0	2%	1%
<i>Setaria glauca</i>	YELLOW FOXTAIL GRASS	grass	0	2%	4%
<i>Solanum carolinense</i>	HORSE NETTLE	forb	0	1%	
<i>Trifolium pratense</i>	RED CLOVER	forb	0	1%	
<i>Trifolium sp.</i>	CLOVER SPECIES	forb	0	4%	4%
Unknown forb	UNKNOWN FORB	forb	NDA ^a	2%	1%
Unknown grass	UNKNOWN GRASS	grass	NDA ^a		1%

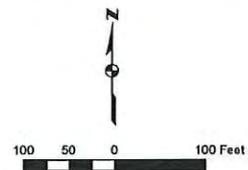
Highlighted species are non-native

^aNDA= No Determination Available. These species are not included in the Average CC calculation.



- Monitoring Point
- Monitoring Grid
- Building

Figure 2



2016 OSDF Cell Cap 7 and 8 Herbaceous Sample Grid