



Department of Energy
Washington, DC 20585

September 29, 2015

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 2015 Fernald Quarterly Inspection Report

The purpose of this letter is to transmit the September 2015 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.

The September inspection report includes results from the site and the On-Site Disposal Facility (OSDF) inspections that were conducted from September 2 through September 9. As stated in the 2015 LMICP, site inspections consist of two components: point-specific institutional control inspections and field walkdowns. All field walkdowns are scheduled during the drier, cooler months of November through April. Therefore, no field walkdowns are included in this report. The inspections included in this report are as follows:

INSPECTION TYPE	DATE	PARTICIPANTS
OSDF Inspection	September 2 and 3, 2015	Ohio Environmental Protection Agency and SN3 Ohio Department of Health
Site Inspection	September 2-9, 2015	SN3

Findings from the point-specific institutional controls inspection are documented on the *Fernald Preserve Institutional Controls Inspection Form*. Findings from the OSDF inspection are recorded on the *Fernald Preserve OSDF Walkdown Inspection Report* and on the associated map. The forms for each inspection and a map of the OSDF finding locations are included with this report. Photographs of the OSDF and the surrounding area were taken to accompany the OSDF inspection and are also included with this report.



Mr. David Seely
Mr. Thomas A. Schneider
Page 2

Findings from Site Inspections

Point-specific institutional controls were inspected. There were a couple of findings related to signs and barriers. The only evidence of prohibited activities that has been observed or reported is one car observed in an unauthorized area and a television set that was dumped along the South Access Road.

Beaver activity has resumed at the inlet of the 60-inch culvert in the Main Drainage Corridor (MDC). A new beaver dam was observed at the culvert in late August. The culvert was almost entirely blocked, with water still flowing through the culvert from a concrete seam. Field personnel cleared away the fresh vegetation and mud, and the MDC has returned to normal flow conditions. Several posts from the access grating on the inlet and outlet side of the culvert were removed in order to reduce buildup of vegetation. The remaining posts are sufficient to prevent human access into the culvert. Exclosure fencing has been installed around the culvert inlet. A similar approach has been successful in preventing beavers from damming the Lodge Pond drain pipes. It is notable that the beavers have initiated building a dam further upstream in the MDC.

The site radiological control technician has surveyed some of the debris findings from previous inspections and will continue to address previous debris findings as time and weather permit. DOE is committed to providing quarterly summary numbers regarding debris findings. Since the June 2015 quarterly report, 237 pieces of debris have been surveyed; 6 pieces were found to have fixed contamination, while 231 pieces were free-released. Note that the surveyed debris is a combination of debris from follow-up from inspections, discoveries during construction activities, and casual observation while in the field.

Findings from OSDF Inspection

The September 2015 OSDF inspection took place on September 2 and 3 and included an inspection of the OSDF toe, drainages, and fence line.

All findings but one (an animal burrow under the perimeter fence) were related to the presence of invasive woody and herbaceous vegetation, primarily woody vegetation.

Findings from these inspections have been added to the *Fernald Maintenance and Repair Action Items Report*, a printout of which is enclosed. Resolution of the findings is then tracked through this database. Items on the list that have been resolved since the previous inspections are included in the report with the date and description of the resolution. Previously reported resolved items are removed from the list. Resolutions 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 4, 5, and 6. 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 August 5 and 6. Total cover and species richness data were collected

Mr. David Seely
Mr. Thomas A. Schneider
Page 3

for each quadrat. From this information, total cap cover, native species composition, and relative frequency of native species were calculated. The table below summarizes the findings. The enclosed data tables present cap-specific species lists.

Cell Cap	Total Cover	Native Species Composition	Relative Frequency of Native Species
4	97%	64%	79%
5	97%	71%	89%
6	97%	73%	81%

The LMICP goals for the OSDF cap included 90% total cover and 50% native species composition. The data collected on Cells 4, 5, and 6 demonstrate that native vegetation is being maintained across all three cells. Native species composition is above 50% for all three caps. Total cover exceeds the 90% goal for all three caps.

The remaining calendar year 2015 inspections are scheduled as follows:

DATE	INSPECTION TYPE	REPORT DATE
December 2015	OSDF, West Quadrant Field Walkdown, and Institutional Controls Inspections	December 2015

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

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

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

Sincerely,



Gwendolyn N. Hooten
2015.09.28 16:02:22
-06'00'

Gwendolyn Hooten
Fernald Preserve Site Manager
DOE-LM-20.2

Enclosure

Mr. David Seely
Mr. Thomas A. Schneider
Page 4

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)
K. Reed, DOE
D. Shafer, DOE
B. Hertel, SN3
J. Homer, SN3
L. McHenry, SN3

Fernald Preserve Institutional Control Inspection

Date Sept. 2015 Inspector SN3

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									
S18, S49, S65	X				Vegetation is completely blocking signs			X	
S45	X				Vegetation is partially blocking sign			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				
DO Building					NO FINDINGS				
Restoration Storage Shed					NO FINDINGS				
Other IC									
60-Inch Culvert					Recent beaver activity			X	
Uncertified Areas					NO FINDINGS				
Roads and Parking Areas					NO FINDINGS				
Trails and Overlooks					NO FINDINGS				

U.S. Department of Energy Office of Legacy Management

Fernald Preserve Institutional Control Inspection (continued)

Date Sept. 2015 Inspector SN3 Area Institutional Controls

Additional Notes

U.S. Department of Energy Office of Legacy Management

Fernald Preserve OSDF Walkdown Inspection Report

Beginning: 09/02/2015

Ending: 09/03/2015

Area(s): Toe, drainage, fence line

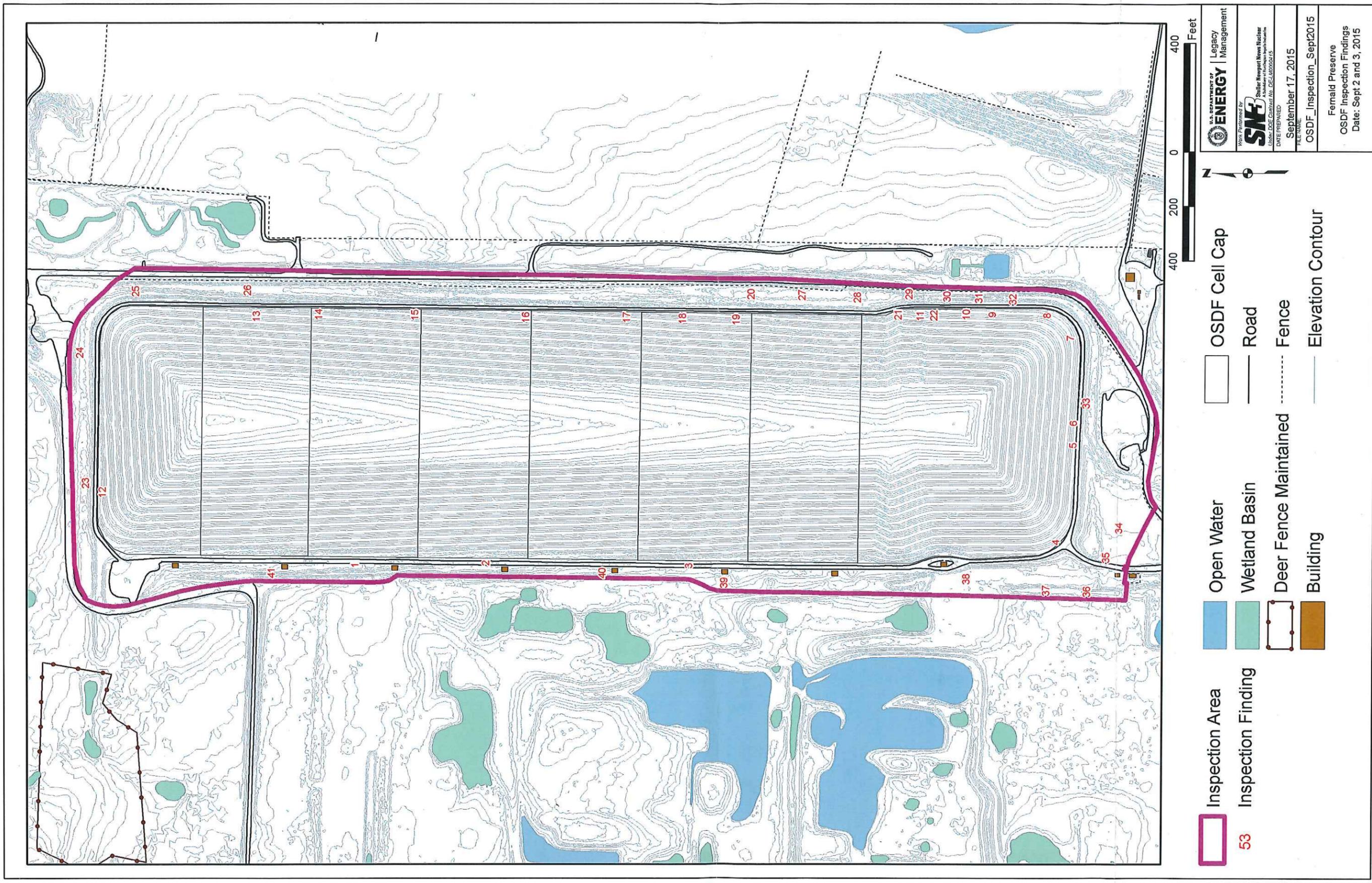
Inspector(s): SN3, Ohio EPA, ODH

Map No.	Location	GPS?	Type of Finding	Description	Photo? (File No.)
1	North of VH3 along access road	No	Vegetation	Elm tree	
2	North of valve house 4 along access road	No	Vegetation	Grape vine	
3	North of VH 6 at raptor pole along access road	No	Vegetation	Grape vine, callery pear, poison ivy, hackberry	
4	Southwest corner of cell 8 toe of slope	No	Vegetation	Honeysuckle and blackcherry	
5	South toe of cell 8 near midpoint.	No	Vegetation	Honeysuckle	
6	South toe of cell 8 near midpoint	No	Vegetation	honeysuckle	
7	Southeast corner of cell 8 toe of slope	No	Vegetation	Mulberry, hackberry, honeysuckle	
8	Southeast corner of cell 8 at toe of slope	No	Vegetation	Hackberry	
9	East toe of cell 8, near midpoint	No	Vegetation	Woody vegetation	
10	East toe of Cell 8 near midpoint	No	Vegetation	poison ivy	
11	East toe of cell 8	No	Vegetation	Grape vine	
12	North toe of cell 1	No	Vegetation	woody vegetation (OST VIR)	
13	East toe of cell 2 near midpoint	No	Vegetation	honeysuckle	

Map No.	Location	GPS?	Type of Finding	Description	Photo? (File No.)
14	East toe of cell 3 near cell 2/3 boundary	No	Vegetation	Canada thistle	
15	East toe of cell 3 near cell 3/4 boundary	No	Vegetation	Canada thistle	
16	east toe of cell 4 near cell 4/5 boundary	No	Vegetation	dogwood and honeysuckle	
17	East toe of cell 5	No	Vegetation	Honeysuckle	
18	East toe of cell 6	No	Vegetation	Cherry tree	
19	East toe of cell 6	No	Vegetation	Honeysuckle	
20	East drain at cell 6/7 boundary	No	Vegetation	cottonwood tree	
21	East toe of cell 8	No	Vegetation	Grape vine	
22	East toe of cell 8	No	Vegetation	Honeysuckle	
23	North drainage	No	Vegetation	willow	
24	North drain	No	Vegetation	Pear tree	
25	East drain at Cell 1	No	Vegetation	woody vegetation on rip rap slope	
26	East drain at cell 2	No	Vegetation	Willow in cattails	
27	East drain at cell 7	No	Vegetation	Pear tree	
28	East drain at cell 7/8 boundary	No	Vegetation	Honeysuckle	
29	East drain at cell 8	No	Vegetation	Pear tree	
30	East drain at cell 8	No	Vegetation	grape vine	
31	East drain at cell 8	No	Vegetation	Honeysuckle	
32	East perimeter fence at cell 8	No	Fencing	Hole under fence	

Map No.	Location	GPS?	Type of Finding	Description	Photo? (File No.)
33	South drain	No	Vegetation	Cottonwood	
34	Field by south gate	No	Vegetation	Thistle	
35	Along south entrance road at west end of south drain	No	Vegetation	Honeysuckle	
36	West drain at southwest corner of cell 8	No	Vegetation	Varous woody vegetation	
37	West fence at cell 8	No	Vegetation	Honeysuckle growing into fence	
38	West drain at cell 8	No	Vegetation	Teasel	
39	West drain behind VH 6 at fence	No	Vegetation	Green ash	
40	West drain at cell 5	No	Vegetation	Honeysuckle and pear	
41	West drain at cell 2	No	Vegetation	Honeysuckle	

Additional Notes



U.S. DEPARTMENT OF ENERGY | Legacy Management

WORK PREPARED BY
SNE Sauer Newport News Nuclear
 Under DOE Contract No. DE-NA000415

DATE PREPARED
 September 17, 2015

FILE NAME
 OSDF_Inspection_Sept2015

Fernald Preserve
 OSDF Inspection Findings
 Date: Sept 2 and 3, 2015

- Inspection Area
- Open Water
- Inspection Finding
- Wetland Basin
- Deer Fence Maintained
- Building
- OSDF Cell Cap
- Road
- Fence
- Elevation Contour

OSDF Inspection, September 2015

FERNALD PRESERVE
On-Site Disposal Facility
Inspection Report
September 2015



U.S. DEPARTMENT OF
ENERGY

Legacy
Management



IMGP5093

East Face Cell 1



IMGP5067

West Face Cell 1



IMGP5096

North Face Cell 1



IMGP5095

North Drainage (looking west)



IMGP5091

East Face Cell 2



IMGP5068

West Face Cell 2



IMGP5090

East Face Cell 3



IMGP5069

West Face Cell 3



IMGP5088

East Face Cell 4



IMGP5070

West Face Cell 4



IMGP5087

East Face Cell 5



IMGP5072

West Face Cell 5



IMGP5086

East Face Cell 6



IMGP5073

West Face Cell 6



IMGP5084

East Face Cell 7



IMGP5074

West Face Cell 7



IMGP5081

East Face Cell 8



IMGP5078

West Face Cell 8



IMGP5079

South Face Cell 8



IMGP5080

South Drainage (looking west)



IMGP5085

East Drainage Cell 7 (looking south)



IMGP5089

East Drainage Cell 4 (looking south)



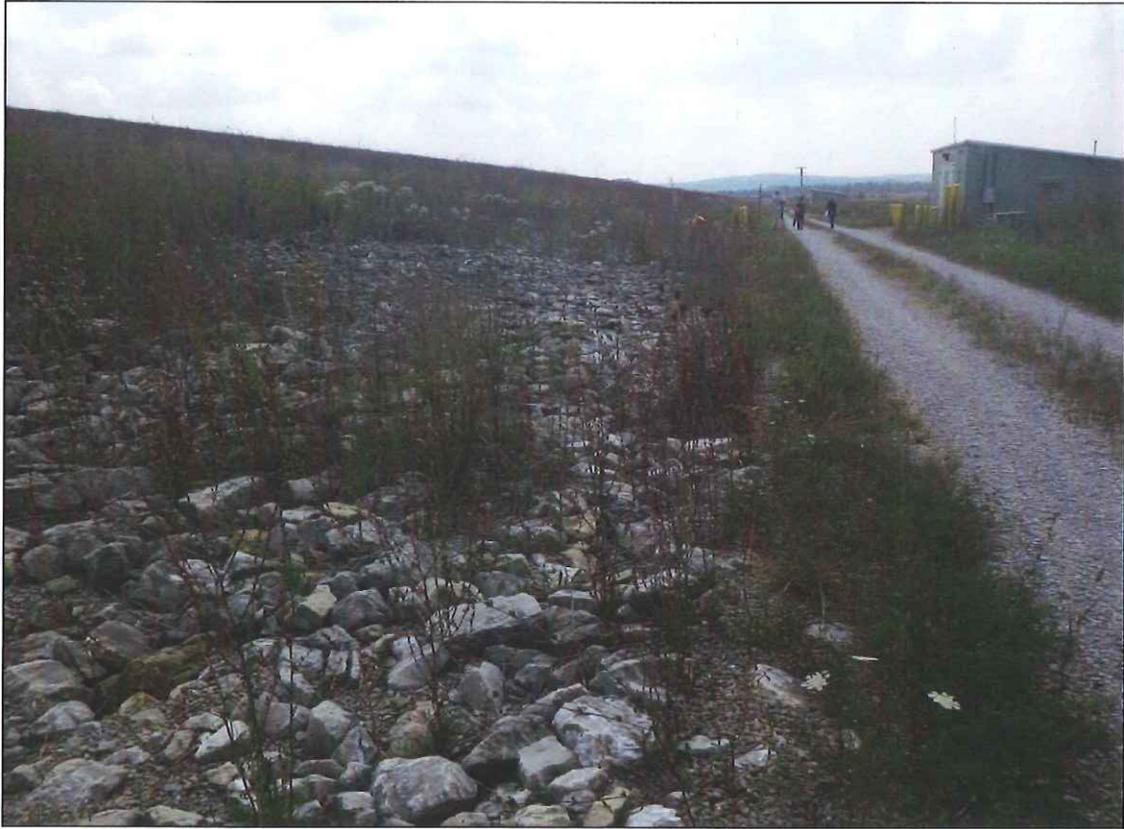
IMGP5094

East Drainage Cell 1 (looking south)



IMGP5075

West Inner Drainage Cell 7 (looking south)



IMGP5071

West Inner Drainage Cell 4 (looking south)



IMGP5097

West Inner Drainage Cell 1 (looking south)



IMGP5066 **West Outer Drainage Cell 1 (looking south)**



IMGP5076 **West Outer Drainage Cell 8 (looking south)**



IMGP5077

West Outer Drainage Cell 8 (looking north)

FERNALD PRESERVE MAINTENANCE AND REPAIR ACTION ITEMS
SEPTEMBER 2015 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
862	Field at Rainbow bridge	No	Honeysuckle	12/14/2009	December 2009 quarterly field walkdown	17			Large-scale woody invasives are addressed on a prioritized schedule.
1002	South of Visitors Center parking lot in woods	No	Honeysuckle	6/2/2010	June 2010 quarterly field walkdown	34			Large-scale woody invasives are addressed on a prioritized schedule.
1004	Southeast of arsenic hot spot	No	Multiflora rose	6/2/2010	June 2010 quarterly field walkdown	36			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			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.
1091	Lodge pond basin – center	No	Invasive Schoeneplectus	9/8/2010	September 2010 quarterly field walkdown	2	Weeding	9/23/2015	Invasive schoeneplectus was removed manually
1211	Cell 5/6, east toe	No	Broken survey marker	3/8/2011	March 2011 OSDF Inspection	JC1	No Action Required	9/25/2015	Cell cap boundaries are identified on perimeter fence
1282	West of VH 7	No	Old leachate line unreadable	6/14/2011	June 2011 OSDF Inspection	DN13	No Action Required	9/25/2015	Line abandoned in place and identified on utility drawings
1285	East fence, east field	No	Honeysuckle along fence	9/7/2011	September 2011 quarterly field walkdown	1	Herbicide Applied	9/24/2015	
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
1292	Lodge pond - west	No	Olive species	9/7/2011	September 2011 quarterly field walkdown	11	Herbicide Applied	9/23/2015	
1294	Lodge pond basin	No	Callery pear	9/7/2011	September 2011 quarterly field walkdown	15	Herbicide Applied	9/23/2015	

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
1305	East Cell 6, 6:1	No	12' x 4' bare area	9/13/2011	September 2011 OSDF Inspection	BL2	No Action Required	9/22/2015	Area revegetated
1306	East Cell 7, 6:1	No	12' x 4' bare area	9/13/2011	September 2011 OSDF Inspection	BL3	No Action Required	9/22/2015	Area revegetated
1315	Toe, east Cell 2	No	Erosion	9/13/2011	September 2011 OSDF Inspection	JH3	No Action Required	9/22/2015	Toe stable and vegetated
1353	Restoration storage shed	No	Bottom of corner trim lost bolt.	9/8/2011	September 2011 point-specific institutional controls inspection	na	General Cleaning	9/25/2015	
1355	Cell 1 (west)	No	Bare spot	12/13/2011	December 2011 OSDF Inspection	LH1	No Action Required	9/22/2015	Area revegetated
1356	Cell 1/2	No	Bare spot	12/13/2011	December 2011 OSDF Inspection	LH5	No Action Required	9/22/2015	Area revegetated
1383	Waste Pits, north Pit 3	No	Erosion	3/6/2012	March 2012 quarterly field walkdown	12	No Action Required	9/21/2015	Vegetation established
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 Action Required	9/22/2015	Area stable and vegetated
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			
1485	Drainage west cell 8	No	Willow	6/12/2012	June 2012 OSDF Inspection	LH7	Herbicide Applied	9/24/2015	
1538	Cell 5, west toe inner drain	No	Standing water – follow up	9/11/2011	September 2011 OSDF Inspection	JH1	No Action Required	9/22/2015	Drainage addressed as part of 2014 repair activities
1557	Cell 1, top	No	Burrows from moles	12/5/2012	December 2012 OSDF Inspection	TM1	No Action Required	9/22/2015	Holes filled in and no new activity
1585	CAWWT	No	North gate bent and signs are down	3/6/2013	March 2013 point-specific institutional controls inspection	na	General Cleaning	9/22/2015	Fence functions as designed
1599	Former WP PR1	No	Erosion	3/12/2013	March 2013 quarterly field walkdown	13	No Action Required	9/21/2015	Vegetation re-established
1609	East of burn pit WPA PR1	No	Erosion	3/12/2013	March 2013 quarterly field walkdown	23	Erosion Repair	7/30/2015	
1612	South of FPA	No	Erosion at outfall	3/12/2013	March 2013 quarterly field walkdown	26	No Action Required	9/23/2015	Area is stable and vegetated
1625	PR1 north face	No	Erosion	3/12/2013	March 2013 quarterly field walkdown	39	No Action Required	9/21/2015	Vegetation established

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
1639	Cell 8, south toe	No	Rock	3/12/2013	March 2013 OSDF Inspection	MS2	No Action Required	9/22/2015	Unable to locate
1646	Cell 7, west toe	No	Erosion	3/12/2013	March 2013 OSDF Inspection	RE5	No Action Required	9/22/2015	Area stable and vegetated
1668	Cell 7, east toe	No	Wash area	3/12/2013	March 2013 OSDF Inspection	HS7	No Action Required	9/22/2015	Area walked down and vegetation is fully established
1671	Behind VH8	No	Culvert pipe	3/12/2013	March 2013 OSDF Inspection	HS13			
1673	Leachate signs	No	Faded and unreadable	3/12/2013	March 2013 OSDF Inspection	HS15	No Action Required	9/25/2015	Line abandoned in place and indicated on utility drawings
1685	Cell 1, north drain	No	Erosion from roadway	3/12/2013	March 2013 OSDF Inspection	HS29	No Action Required	9/22/2015	Walked down area and road side is stable
1722	North edge of VC parking lot	No	Pear and honeysuckle	6/6/2013	June 2013 quarterly field walkdown	34			
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			
1769	SW corner drain	No	Woody trees and shrubs	6/12/2013	June 2013 OSDF Inspection	HS17	Herbicide Applied	9/24/2015	
1773	East of Restoration shed	No	Vines growing up deer fence	9/4/2013	September 2013 quarterly field walkdown	2	No Action Required	9/23/2015	Vines do not affect fence
1774	Hill along SR 126	No	Teasel and honeysuckle	9/4/2013	September 2013 quarterly field walkdown	3			
1781	Hill along SR 126	No	Honeysuckle	9/4/2013	September 2013 quarterly field walkdown	10			
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			
1791	By road pull off	No	Bare area	9/4/2013	September 2013 quarterly field walkdown	20	No Action Required	9/23/2015	Area revegetated

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
1792	CAWWT fencing	No	Woody vegetation growing quickly around north portion	9/4/2013	September 2013 point-specific institutional controls inspection	na	Woody Removal	8/31/2015	Mow on a regular basis to keep woody species from coming back
1795	East edge Cell 8	No	Debris	9/10/2013	September 2013 OSDF Inspection	JH3			
1798	Cell 2, east 6:1	No	Rock/concrete	9/10/2013	September 2013 OSDF Inspection	JH7			
1815	SW corner	No	Woody vegetation	9/10/2013	September 2013 OSDF Inspection	HS17	Herbicide Applied	9/24/2015	
1817	West fence at Cell 7/8	No	Debris	9/10/2013	September 2013 OSDF Inspection	HS19			
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	Debris Removal	8/4/2015	Items were scanned and free released
1825	Deer trail below slope west of road.	No	Old orange marker in evergreen	12/3/2013	December 2013 quarterly field walkdown	3	General Cleaning	8/4/2015	
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	General Cleaning	8/4/2015	
1827	Fence along south boundary with PR1	No	Hole under fence	12/3/2013	December 2013 quarterly field walkdown	5	Deer Fence Repair	8/4/2015	
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.
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	No Action Required	9/22/2015	Fence is functioning as designed. Damage is minor.
1853	North fenceline at former gate location	No	Metal gate stop...needs removed	12/11/2013	December 2013 OSDF Inspection	HS2	General Cleaning	8/4/2015	
1854	South gate	No	Sign is hanging	12/11/2013	December 2013 OSDF Inspection	HS3	General Cleaning	9/25/2015	
1856	100 yards north of southwest corner	No	Sign hanging	12/11/2013	December 2013 OSDF Inspection	HS5	General Cleaning	9/25/2015	

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
1882	SW of OSDF VH3 and south of drainage	No	Concrete	3/10/2014	March 2014 quarterly field walkdown	25	Debris Removal	9/24/2015	
1892	NE of CAWWT	No	Going into pond 4B	3/10/2014	March 2014 quarterly field walkdown	35	No Action Required	9/22/2015	On 3/28/2014, some vegetation in rill, continue to monitor.
1895	North of access road	No	plastic bag/trash	3/10/2014	March 2014 quarterly field walkdown	38			
1901	Bank of pond	No	Fresh erosion	3/10/2014	March 2014 quarterly field walkdown	44	Erosion Repair	7/30/2015	
1902	bank between ponds	No	Fresh erosion	3/10/2014	March 2014 quarterly field walkdown	45	No Action Required	9/25/2015	
1909	on end of peninsula	No	peninsula eroding	3/10/2014	March 2014 quarterly field walkdown	52	No Action Required	9/21/2015	On 3/28/2014, no action needed at this time - monitor vegetation on top
1910	northwest of skillet pond	No	concrete	3/10/2014	March 2014 quarterly field walkdown	53			
1948	Northeast of bio-wetland	No	erosion	3/10/2014	March 2014 quarterly field walkdown	91	No Action Required	9/21/2015	
1952	East 6:1, cell 2	No	Burrow	3/11/2014	March 2014 OSDF Inspection	HB3	No Action Required	9/22/2015	
1971	west 6:1, cell 3	No		3/11/2014	March 2014 OSDF Inspection	SD1	No Action Required	9/22/2015	no maintenance item identified
1972	West 6:1, cell 5	No	2 large holes	3/11/2014	March 2014 OSDF Inspection	SD2	No Action Required	9/22/2015	Holes not located and no other activity observed in the area
1973	Inspector unsure of location. Cell 5 or 6.	No	Large bare spot. Rocks.	3/11/2014	March 2014 OSDF Inspection	SD3	No Action Required	9/22/2015	Area is revegetated
1981	Just north of rise, cell 8	No		3/11/2014	March 2014 OSDF Inspection	PB4	No Action Required	9/22/2015	No maintenance item identified
2014	South of gravel road	No	teasel	6/3/2014	June 2014 quarterly field walkdown	29			
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			
2074	West drain at culvert beside north west gate	No	honeysuckle and teasel	6/4/2014	June 2014 OSDF Inspection	HS29	Woody Removal	9/21/2015	
2075	West drain at cell 1 along fence	No	Ash, teasel, honeysuckle, orchard grass	6/5/2014	June 2014 OSDF Inspection	HS30	Woody Removal	9/21/2015	
2088	At leachate line sign	No	asphalt	6/5/2014	June 2014 OSDF Inspection	HS43	Debris Removal	9/25/2015	old finding
2091	Southwest drainage	No	Teasel, willow, honeysuckle	6/5/2014	June 2014 OSDF Inspection	HS46	Herbicide Applied	9/24/2015	

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
2093	east slope of basin NDAP4	No	Rill erosion from road into pond.	7/1/2014			Erosion Repair	7/31/2015	Reported by CAWWT last winter.
2094	access path	No	low spot due to beaver dam is rutted and needs rock added.	7/1/2014			Trail Maintenance	7/30/2015	Reported by Mike Stott
2095	South of Lodge Pond on west edge of basin	No	Deer cages are empty	9/3/2014	September 2014 quarterly field walkdown	1	Deer Cages	9/24/2015	
2104	Southwest corner of basin	No	Tree cages?	9/3/2014	September 2014 quarterly field walkdown	10	Deer Cages	9/24/2015	Unsure of finding description
2105	South of BAPW3	No	snow fence	9/3/2014	September 2014 quarterly field walkdown	11	General Cleaning	9/24/2015	
2106	South of BAPW3	No	plastic/trash	9/3/2014	September 2014 quarterly field walkdown	12	General Cleaning	9/24/2015	
2107	East of east drain on west side of area	No	concrete	9/3/2014	September 2014 quarterly field walkdown	13	No Action Required	7/30/2015	Unable to locate
2108	W7	No	Large sandy spot (bare area?)	9/3/2014	September 2014 quarterly field walkdown	14	No Action Required	9/25/2015	Area designed as such
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			
2111	South of WM1 wetlands along road	No	Erosion	9/3/2014	September 2014 quarterly field walkdown	17			Erosion needs to be revisited to determine if maintenance is required
2158	West fence at VH4	No	Water flow from under culvert	9/5/2014	September 2014 OSDF Inspection	44			
2160	Behind VH7	No	Old sign. No longer legible. Suggest removal.	9/5/2014	September 2014 OSDF Inspection	46	No Action Required	9/24/2015	
2180	Paddys Run trestle	No	Vegetation overgrown at both gates of the trestle	9/4/2014	September 2014 point-specific institutional controls inspection				
2181	North end of 60-inch culvert	No	Willows growing at north end of culvert	9/4/2014	September 2014 point-specific institutional controls inspection		Woody Removal	9/22/2015	

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
2189	Cell 4, west 6:1 slope	No	Pear trees	12/3/2014	December 2014 OSDF Inspection	8	Herbicide Applied	7/30/2015	
2198	Cell 4, west slope	No	Bare ground	12/3/2014	December 2014 OSDF Inspection	17	No Action Required	9/22/2015	Area revegetated
2215	Cell 4, west face	No	Pear tree	12/3/2014	December 2014 OSDF Inspection	34	Herbicide Applied	7/30/2015	
2216	Cell 4 top	No	Pear tree	12/3/2014	December 2014 OSDF Inspection	35	Herbicide Applied	7/30/2015	
2217	Cell 4, top	No	Pear	12/3/2014	December 2014 OSDF Inspection	36	Herbicide Applied	7/30/2015	
2218	Cell 4, top	No	Pear tree	12/3/2014	December 2014 OSDF Inspection	37	Herbicide Applied	7/30/2015	
2223	east edge of rock channel at Cell 6	No	Pear seedling	12/3/2014	December 2014 OSDF Inspection	42	Herbicide Applied	7/30/2015	
2224	Southwest corner drainage	No	Woody vegetation	12/3/2014	December 2014 OSDF Inspection	43	Herbicide Applied	9/24/2015	
2225	Southwest corner mowed flat at drainage	No	teasel and thistle rosettes	12/3/2014	December 2014 OSDF Inspection	44			
2227	At fence behind Valve House 6	No	cross brace on chainlink fence bent up	12/3/2014	December 2014 OSDF Inspection	46	No Action Required	9/23/2015	Minor damage did not affect fence integrity
2228	At west fence between VH 5 and VH 6	No	Post in fence line bent	12/3/2014	December 2014 OSDF Inspection	47	No Action Required	9/23/2015	Minor damage did not affect fence integrity
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 n/s section of Hickory trail	No	Autumn olive	12/4/2014	December 2014 quarterly field walkdown	5			
2237	S69 sign post along Willey Rd and aesthetic barrier	No	Sign post is leaning. Appears to have been hit by vehicle.	12/4/2014	December 2014 point-specific institutional controls inspection	NA	General Cleaning	9/22/2015	
2241	60-inch culvert	No	Beaver dam blocking north end.	12/4/2014	December 2014 point-specific institutional controls inspection	NA	General Cleaning	9/22/2015	

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
2242	Hickory trail	No	At temporary cable barrier near bird blind, it appears vehicles are turning around and creating ruts along side the trail.	12/4/2014	December 2014 point-specific institutional controls inspection	NA	No Action Required	9/23/2015	Instructed field personnel to use caution when driving on trail and to avoid rutting sides and edges of trail
2245	WM2 wetlands	No	Deer cages still present	12/4/2014	December 2014 quarterly field walkdown	9			Are these cages still needed?
2253	Northeast corner of waste pit	No	Large erosion rill	1/14/2015	January 2015 quarterly field walkdown	8	No Action Required	9/22/2015	Area stable and vegetated
2257	Due west of OSDF VH 4	No	large chunks of asphalt	1/14/2015	January 2015 quarterly field walkdown	12	Debris Removal	8/27/2015	
2262	Southwest side of bio-wetland	No	Muskrat den? Erosion	1/14/2015	January 2015 quarterly field walkdown	17	No Action Required	9/25/2015	If a problem arises with muskrats, ODNR may be contacted for assistance. Bio-wetland O & M Plan was referenced.
2263	East side of pond	No	Erosion (gully) and tree cages knocked down	1/14/2015	January 2015 quarterly field walkdown	18	Erosion Repair	7/30/2015	
2268	East edge of bio-wetland	No	animal burrow	1/14/2015	January 2015 quarterly field walkdown	23	No Action Required	9/22/2015	If a problem with animals arises, ODNR may be contacted for assistance. Bio-wetland O & M Plan was referenced
2269	40 feet north of road	No	2 fiberglass stakes	1/14/2015	January 2015 quarterly field walkdown	24			
2270	75 yards east of well house 28	No	glazed tile	1/14/2015	January 2015 quarterly field walkdown	25			
2271		No	Debris	1/14/2015	January 2015 quarterly field walkdown	26	No Action Required	7/30/2015	Unable to locate
2272		No	Erosion	1/14/2015	January 2015 quarterly field walkdown	27			September 2015. Some stabilization starting. Grass growing.
2275		No	Debris	1/14/2015	January 2015 quarterly field walkdown	30	Debris Removal	7/30/2015	
2276	FWP W7	No	Erosion, hole	1/14/2015	January 2015 quarterly field walkdown	31			
2283	Near end of OSDF - parallel	No	2" - 6" concrete debris	1/14/2015	January 2015 quarterly field walkdown	38	Debris Removal	7/30/2015	
2284	West of visitors center	No	concrete	2/10/2015	February 2015 quarterly field walkdown	1	Debris Removal	7/30/2015	
2285	SSOD	No	glazed tile	2/10/2015	February 2015 quarterly field walkdown	2			

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 near SSOD	No	Erosion	2/10/2015	February 2015 quarterly field walkdown	3			
2289	Deer fence south of SWRB, northeast side	No	Hole in deer fence	2/10/2015	February 2015 quarterly field walkdown	6	Deer Fence Repair	7/30/2015	
2290	Deer fence south of SWRB, southeast side	No	Hole in deer fence	2/10/2015	February 2015 quarterly field walkdown	7	Deer Fence Repair	7/30/2015	
2291	West of glacial erratic	No	Erosion	2/10/2015	February 2015 quarterly field walkdown	8	Erosion Repair	7/30/2015	
2292	East side of boardwalk pond	No	Felt	2/10/2015	February 2015 quarterly field walkdown	9			
2293	Between trail and deer fence west of trail.	No	Phragmites	2/10/2015	February 2015 quarterly field walkdown	10			
2294	North of silos near gravel road to well 33, near hay bales	No	Old cages	2/10/2015	February 2015 quarterly field walkdown	11	Deer Cages	8/5/2015	
2295	West of trail intersection	No	Young honeysuckle growing	2/10/2015	February 2015 quarterly field walkdown	12			
2296	Area inside wooded loop of Sycamore trail, west of pines	No	old cages	2/10/2015	February 2015 quarterly field walkdown	13			
2297	Are inside wooded loop of Sycamore trail, west of boardwalk	No	Beer can	2/10/2015	February 2015 quarterly field walkdown	14	General Cleaning	8/5/2015	
2298	West of deer fence on east side of trail, between trail and fence at start of the trail loop.	No	concrete	2/10/2015	February 2015 quarterly field walkdown	15	No Action Required	9/25/2015	item identified is not concrete. It is rock that was placed there intentionally.
2299	West side of deer fence just north of on-site electrical substation	No	Fence hanging, ties broken	2/10/2015	February 2015 quarterly field walkdown	16			
2301	SSOD, below well house	No	Cages next to creek	2/10/2015	February 2015 quarterly field walkdown	18			
2302	West of blue pump station	No	metal stakes with fencing	2/10/2015	February 2015 quarterly field walkdown	19	No Action Required	9/25/2015	Unable to locate. Stakes and fencing must have been removed with deer cages from the area.

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
2303	Inside pines at "v" of Shingle Oak trail	No	Concrete x 3	2/10/2015	February 2015 quarterly field walkdown	20			A piece of heavy equipment is needed to remove concrete from the woods.
2305	West of PRE-RF2 deer fence along access road, near ravine of SSOD	No	Previously flagged brown gloop	2/10/2015	February 2015 quarterly field walkdown	22	No Action Required	9/25/2015	Wetland "muck" development
2307	southeast side of deer fence at the rainbow bridge field.	No	Tree fell on deer fence	2/10/2015	February 2015 quarterly field walkdown	24	Deer Fence Repair	7/30/2015	
2308	East side of deer fence at the rainbow bridge field	No	Metal stakes	2/10/2015	February 2015 quarterly field walkdown	25	General Cleaning	7/30/2015	
2309	East of Shingle Oak trail between PRE-PP1 sections	No	Asphalt	2/10/2015	February 2015 quarterly field walkdown	26			
2313	West perimeter on fence just south of VH 2	No	2 ft. section of barb wire	3/11/2015	March 2015 OSDF Inspection	3	General Cleaning	8/27/2015	
2318	West perimeter southwest corner drainage at fence	No	trees, shrubs, vines in fence	3/11/2015	March 2015 OSDF Inspection	8	Herbicide Applied	7/30/2015	
2320	East perimeter, southeast corner at fence	No	Dogwood	3/11/2015	March 2015 OSDF Inspection	10	Herbicide Applied	7/30/2015	
2322	East perimeter at fence	No	Metal pipe in ground. Hole under fence.	3/11/2015	March 2015 OSDF Inspection	12			cut off pipe
2327	West perimeter north of VH 6 between road and fence	No	Teasel	3/11/2015	March 2015 OSDF Inspection	16			
2330	West perimeter drainage southwest corner	No	Concrete, asphalt, metal	3/11/2015	March 2015 OSDF Inspection	19	Debris Removal	8/27/2015	
2331	South perimeter field between fence and gravel road	No	Field of bull thistle	3/11/2015	March 2015 OSDF Inspection	20			
2333	West toe edge of rip rap	No	Callery pear	3/11/2015	March 2015 OSDF Inspection	22	Herbicide Applied	7/30/2015	
2334	West toe edge of rip rap	No	Woody vegetation (4)	3/11/2015	March 2015 OSDF Inspection	23	Herbicide Applied	7/30/2015	
2337	West toe, edge of rip rap just south of VH 7	No	Animal burrow	3/11/2015	March 2015 OSDF Inspection	26	General Cleaning	7/30/2015	
2338		No	Animal burrow	3/11/2015	March 2015 OSDF Inspection	27	General Cleaning	7/30/2015	
2341	Valve house 3	No	woody vegetation	3/11/2015	March 2015 OSDF Inspection	30	Herbicide Applied	7/30/2015	
2343	West toe of cell 8	No	Woody vegetation	3/11/2015	March 2015 OSDF Inspection	32	Herbicide Applied	7/30/2015	

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
2345	Throughout the WM1 wetland.	No	Black tubes on trees need to be removed	3/12/2015	March 2015 quarterly field walkdown	1	General Cleaning	8/4/2015	
2346	W4 swale	No	Honeysuckle	3/12/2015	March 2015 quarterly field walkdown	2			
2347	South side of SE corner of deer fence	No	Hole in lower half of deer fence	3/12/2015	March 2015 quarterly field walkdown	3	Deer Fence Repair	7/30/2015	
2348	Midway along south side of deer fence	No	Hole in middle of deer fence	3/12/2015	March 2015 quarterly field walkdown	4	Deer Fence Repair	7/30/2015	
2349	SW corner of south side of deer fence	No	Hole in the middle of the deer fence at the tree	3/12/2015	March 2015 quarterly field walkdown	5	Deer Fence Repair	7/30/2015	
2352	West of power line tower	No	Geotextile - needs cleaned up but it is stuck in the ground	3/12/2015	March 2015 quarterly field walkdown	8	General Cleaning	8/4/2015	
2353	Northwest of power line tower along ditch	No	Fresh erosion on bank. Muskrats?	3/12/2015	March 2015 quarterly field walkdown	9			
2354	West of gravel road	No	Trash - burried	3/12/2015	March 2015 quarterly field walkdown	10	General Cleaning	8/5/2015	
2355	North of deer fence	No	Thick ground cover. Japanese stiltgrass?	3/12/2015	March 2015 quarterly field walkdown	11	Mowing	9/24/2015	
2356	Edge of pine plantation	No	Concrete	3/12/2015	March 2015 quarterly field walkdown	12	Debris Removal	9/24/2015	old well pad
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			
2359	Along road cut in ditch	No	discarded clothing	3/12/2015	March 2015 quarterly field walkdown	15			
2360	Between W1 and W5	No	Broken piece of pipe	3/12/2015	March 2015 quarterly field walkdown	16			
2361	North of road just inside pines	No	plastic bands	3/12/2015	March 2015 quarterly field walkdown	17			
2362	East of cell 8	No	Fence is down	3/12/2015	March 2015 quarterly field walkdown	18			
2364	North pines, just north of restoration shed	No	asphalt pile overgrown	3/12/2015	March 2015 quarterly field walkdown	20	Debris Removal	8/27/2015	
2365	bottom of slope	No	Geotextile material	3/12/2015	March 2015 quarterly field walkdown	21			
2366	East of cell 8, north of STP pond	No	Concrete slab	3/12/2015	March 2015 quarterly field walkdown	22			

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
2367	North side of deer fence	No	Big hole in fence	3/12/2015	March 2015 quarterly field walkdown	23	Deer Fence Repair	7/30/2015	
2368	South perimeter along aesthetic barrier	No	Sign S69 is turned sideways	3/17/2015	March 2015 point-specific institutional controls inspection	NA	General Cleaning	9/22/2015	
2370	South side of slope of former rail road bed	No	Metal band	2/10/2015	February 2015 quarterly field walkdown	28			
2388	East perimeter at cell 7 at fence	No	Honeysuckle, pear, willow, cottonwood	6/3/2015	June 2015 OSDF Inspection	17	Woody Removal	6/23/2015	
2389	East perimeter at cell 7/8 boundary	No	Japanese honeysuckle, ash, pear, cedar, canada thistle	6/3/2015	June 2015 OSDF Inspection	18	Herbicide Applied	6/23/2015	
2390	East perimeter at cell 8 at fence	No	Pear and honeysuckle	6/3/2015	June 2015 OSDF Inspection	19	Woody Removal	6/23/2015	
2391	East perimeter, southeast corner	No	Pear, cherry, dogwood	6/3/2015	June 2015 OSDF Inspection	20	Woody Removal	6/23/2015	
2392	Southeast perimeter in rocks near laydown area	No	Canada thistle	6/3/2015	June 2015 OSDF Inspection	21	Herbicide Applied	6/23/2015	
2393	Southeast perimeter at fence in laydown area	No	Musk thistle	6/3/2015	June 2015 OSDF Inspection	22	Herbicide Applied	6/23/2015	
2394	South drainage extension in rocks	No	Thistle, pear, honeysuckle, cedar	6/3/2015	June 2015 OSDF Inspection	23	Herbicide Applied	6/23/2015	
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			
2398	Southwest perimeter along drainage	No	Woody species, invasives, thistle	6/3/2015	June 2015 OSDF Inspection	27			
2400	West perimeter at cell 7/8 boundary	No	Teasel	6/3/2015	June 2015 OSDF Inspection	29			
2402	West perimeter at cell 7 outfall - north end of cell 7	No	ends of abandoned leachate are open	6/3/2015	June 2015 OSDF Inspection	31	No Action Required	9/25/2015	
2404	West perimeter at cell 6 at fence	No	Teasel	6/3/2015	June 2015 OSDF Inspection	33			
2406	West perimeter at cell 4 at fence	No	Teasel, thistle, honeysuckle	6/3/2015	June 2015 OSDF Inspection	35	Herbicide Applied	7/15/2015	

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
2407	West perimeter at cell 3/4 boundary	No	Woody vegetation	6/3/2015	June 2015 OSDF Inspection	36	Herbicide Applied	7/15/2015	
2409	West perimeter behind VH 3 in cattails	No	Pear	6/3/2015	June 2015 OSDF Inspection	38	Herbicide Applied	7/15/2015	
2410	West perimeter at cell 2/3 boundary	No	pear, teasel, ash	6/3/2015	June 2015 OSDF Inspection	39	Herbicide Applied	7/15/2015	
2411	West perimeter at Cell 2 at fence	No	Woody species and teasel	6/3/2015	June 2015 OSDF Inspection	40	Herbicide Applied	7/15/2015	
2412	West perimeter behind VH1	No	Honeysuckle	6/3/2015	June 2015 OSDF Inspection	41	Herbicide Applied	7/15/2015	
2413	East perimeter road at Cell 1/2 boundary	No	Honeysuckle	6/4/2015	June 2015 OSDF Inspection	42			
2414	East perimeter road at cell 4	No	Bull thistle	6/3/2015	June 2015 OSDF Inspection	43	Herbicide Applied	7/7/2015	
2415	East perimeter road at cell 5	No	Honeysuckle	6/3/2015	June 2015 OSDF Inspection	44	Woody Removal	7/7/2015	
2416	East perimeter road at cell 7	No	Honeysuckle	6/3/2015	June 2015 OSDF Inspection	45	Woody Removal	7/7/2015	
2417	East perimeter at cell 8 near fence	No	Honeysuckle	6/3/2015	June 2015 OSDF Inspection	46	Woody Removal	7/7/2015	
2418	East perimeter at Cell 8 near fence	No	honeysuckle	6/3/2015	June 2015 OSDF Inspection	47	Woody Removal	7/7/2015	
2419	West perimeter road at cell 5	No	Honeysuckle	6/3/2015	June 2015 OSDF Inspection	48	Woody Removal	7/7/2015	
2423	East drainage at cell 1	No	Honeysuckle	6/3/2015	June 2015 OSDF Inspection	52	Woody Removal	7/7/2015	
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			
2426	East drainage at Cell 3	No	Honeysuckle	6/3/2015	June 2015 OSDF Inspection	55	Woody Removal	7/7/2015	
2427	East drainage at Cell 3, south end	No	Tree	6/3/2015	June 2015 OSDF Inspection	56	Woody Removal	7/7/2015	
2428	East drainage at Cell 4, north end	No	Willow	6/3/2015	June 2015 OSDF Inspection	57	Woody Removal	7/7/2015	
2429	East drainage at Cell 4	No	Honeysuckle	6/3/2015	June 2015 OSDF Inspection	58	Woody Removal	7/7/2015	

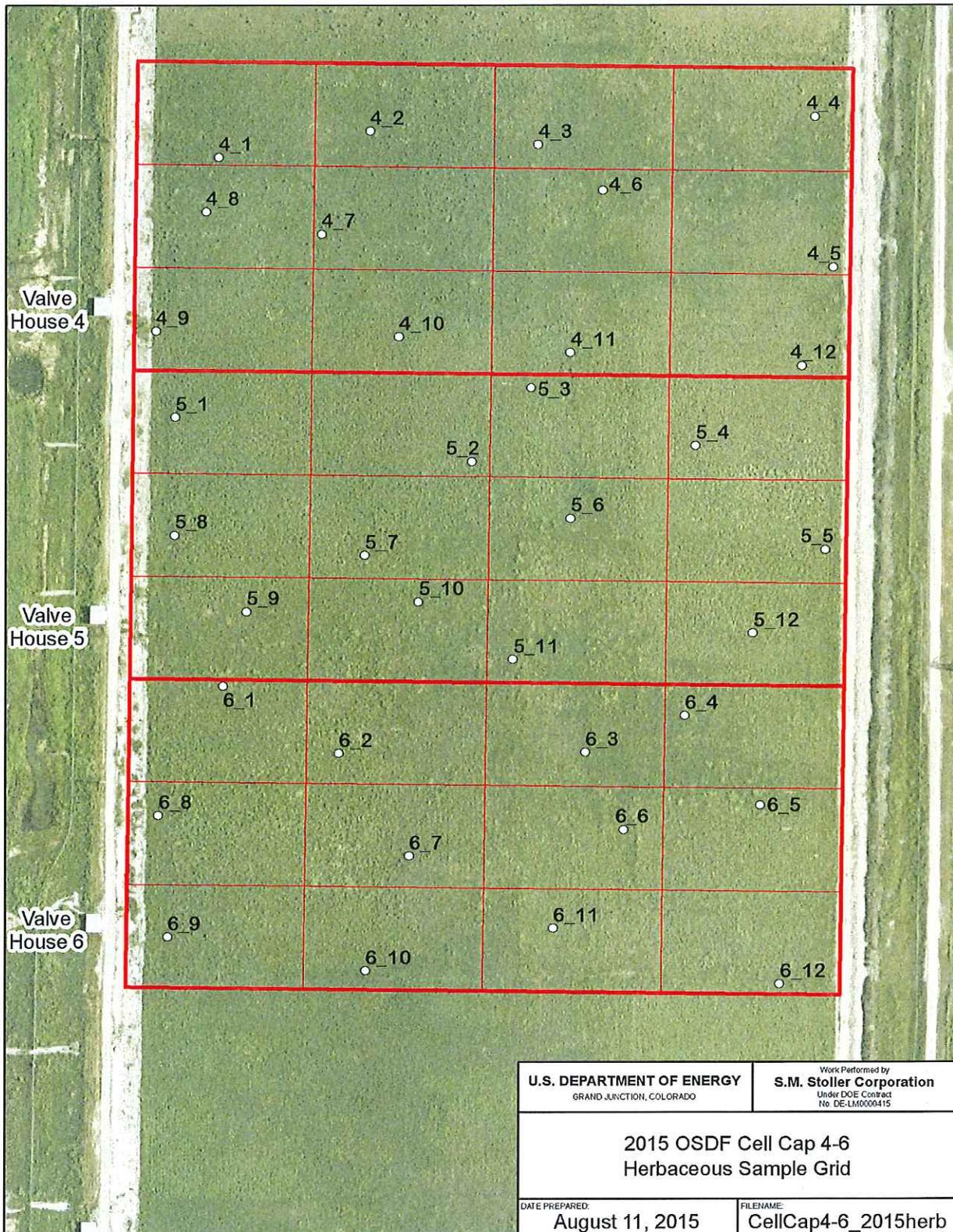
No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
2430	East drainage at Cell 4	No	Thistle	6/3/2015	June 2015 OSDF Inspection	59	Herbicide Applied	7/7/2015	
2431	East drain at cell 5	No	Woody vegetation x 2	6/3/2015	June 2015 OSDF Inspection	60	Woody Removal	7/7/2015	
2432	East perimeter at Cell 6	No	Woody vegetation x 3 (cottonwood)	6/3/2015	June 2015 OSDF Inspection	61	Woody Removal	7/7/2015	
2435	West perimeter between VH 2 and VH 3	No	Thistle, teasel, honeysuckle, crown vetch	6/3/2015	June 2015 OSDF Inspection	64	Herbicide Applied	7/15/2015	
2436	East perimeter road, northeast corner, east road edge	No	2 honeysuckle seedlings	6/3/2015	June 2015 OSDF Inspection	NA	Woody Removal	7/7/2015	Finding not identified on map
2437	East perimeter road edge at Cell 2	No	Honeysuckle	6/3/2015	June 2015 OSDF Inspection	NA	Woody Removal	7/7/2015	Finding not identified on map
2438	East perimeter road edge at Cell 2/3 boundary	No	Japanese honeysuckle	6/3/2015	June 2015 OSDF Inspection	NA	Herbicide Applied	7/7/2015	Finding not identified on map
2439	East toe at Cell 5/6 boundary	No	Elm seedling	6/3/2015	June 2015 OSDF Inspection	NA	Woody Removal	7/7/2015	Finding not identified on map
2440	East toe at Cell 7	No	cherry seedling	6/3/2015	June 2015 OSDF Inspection	NA	Woody Removal	7/7/2015	Finding not identified on map
2441	East toe at cell 7/8 boundary.	No	Grape vine	6/3/2015	June 2015 OSDF Inspection	NA	Herbicide Applied	7/7/2015	Finding not identified on map
2442	Southeast corner along road edge	No	2 honeysuckle - one on road edge and one on east bank riprap	6/3/2015	June 2015 OSDF Inspection	NA	Woody Removal	7/7/2015	Finding not identified on map.
2443	South toe at Cell 8	No	Honeysuckle	6/3/2015	June 2015 OSDF Inspection	NA	Woody Removal	7/7/2015	Finding not identified on map
2444	West toe at Cell 8	No	Honeysuckle	6/3/2015	June 2015 OSDF Inspection	NA	Woody Removal	7/7/2015	Finding not identified on map
2445	West edge of riprap at Cell 8	No	Honeysuckle	6/3/2015	June 2015 OSDF Inspection	NA	Woody Removal	7/7/2015	Finding not identified on map
2446	West edge of riprap at cell 8	No	Honeysuckle	6/3/2015	June 2015 OSDF Inspection	NA	Woody Removal	7/7/2015	Finding not identified on map
2447	West edge of riprap at Cell 6	No	Honeysuckle. Three in riprap.	6/3/2015	June 2015 OSDF Inspection	NA	Woody Removal	7/7/2015	Finding not identified on map
2448	West edge of riprap at Cell 2	No	Box elder	6/3/2015	June 2015 OSDF Inspection	NA	Woody Removal	7/7/2015	Finding not identified on map
2449	North side of cell 1	No	honeysuckle	6/3/2015	June 2015 OSDF Inspection	NA	Woody Removal	7/7/2015	Finding not identified on map
2450	West side of cell 8	No	3 plants within 10 feet	6/3/2015	June 2015 OSDF Inspection	NA	Woody Removal	7/7/2015	Finding not identified on map

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
2451	West side of cell 6	No	Honeysuckle 10 feet in on cell side	6/3/2015	June 2015 OSDF Inspection	NA	Woody Removal	7/7/2015	Finding not identified on map
2452	West side of cell 5, 10 feet toward cell	No	Honeysuckle	6/3/2015	June 2015 OSDF Inspection	NA	Woody Removal	7/7/2015	Finding not identified on map
2453	West side of cell 5, 10 feet toward cell	No	Honeysuckle	6/3/2015	June 2015 OSDF Inspection	NA	Woody Removal	7/7/2015	Finding not identified on map
2454	east toe of cell 1	No	callery pear tree	6/3/2015	June 2015 OSDF Inspection	NA	Woody Removal	7/7/2015	Finding not identified on map
2455	east drainage at cell 2	No	callery pear tree	6/3/2015	June 2015 OSDF Inspection	NA	Woody Removal	7/7/2015	Finding not identified on map
2456	along rock at east side cell 2	No	callery pear	6/3/2015	June 2015 OSDF Inspection	NA	Woody Removal	7/7/2015	Finding not identified on map
2457	edge of road at east side cell 7	No	callery pear tree	6/3/2015	June 2015 OSDF Inspection	NA	Woody Removal	7/7/2015	Finding not identified on map
2458	edge of road at east side of cell 7	No	callery pear tree	6/3/2015	June 2015 OSDF Inspection	NA	Woody Removal	7/7/2015	Finding not identified on map
2459	along road in rocks on east or south side of cell 8	No	callery pear	6/3/2015	June 2015 OSDF Inspection	NA	Woody Removal	7/7/2015	Finding not identified on map
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
2462	Along Paddys Run Rd.	No	Sign completely blocked by vegetation	6/5/2015	June 2015 point-specific institutional controls inspection	NA	General Cleaning	9/24/2015	
2463	Various locations along perimeter of site	No	Vegetation is partially blocking signs S4, S6, S21, S44, S45	6/5/2015	June 2015 point-specific institutional controls inspection	NA	Pruning	9/24/2015	
2464	west side of CAWWT fence	No	Tree growing into west side of CAWWT fence	6/8/2015	June 2015 point-specific institutional controls inspection	NA	Woody Removal	7/30/2015	
2465	North of VH3 along access road	No	Elm tree	9/2/2015	September 2015 OSDF Inspection	1	Herbicide Applied	9/24/2015	
2466	North of valve house 4 along access road	No	Grape vine	9/2/2015	September 2015 OSDF Inspection	2	Herbicide Applied	9/24/2015	
2467	North of VH 6 at raptor pole along access road	No	Grape vine, callery pear, poison ivy, hackberry	9/2/2015	September 2015 OSDF Inspection	3	Herbicide Applied	9/24/2015	
2468	Southwest corner of cell 8 toe of slope	No	Honeysuckle and blackcherry	9/2/2015	September 2015 OSDF Inspection	4	Herbicide Applied	9/24/2015	

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
2469	South toe of cell 8 near midpoint.	No	Honeysuckle	9/2/2015	September 2015 OSDF Inspection	5	Herbicide Applied	9/24/2015	
2470	South toe of cell 8 near midpoint	No	honeysuckle	9/2/2015	September 2015 OSDF Inspection	6	Herbicide Applied	9/24/2015	
2471	Southeast corner of cell 8 toe of slope	No	Mulberry, hackberry, honeysuckle	9/2/2015	September 2015 OSDF Inspection	7	Herbicide Applied	9/24/2015	
2472	Southeast corner of cell 8 at toe of slope	No	Hackberry	9/2/2015	September 2015 OSDF Inspection	8	Herbicide Applied	9/24/2015	
2473	East toe of cell 8, near midpoint	No	Woody vegetation	9/2/2015	September 2015 OSDF Inspection	9	Herbicide Applied	9/24/2015	
2474	East toe of Cell 8 near midpoint	No	poison ivy	9/2/2015	September 2015 OSDF Inspection	10	Herbicide Applied	9/24/2015	
2475	East toe of cell 8	No	Grape vine	9/2/2015	September 2015 OSDF Inspection	11	Herbicide Applied	9/24/2015	
2476	North toe of cell 1	No	woody vegetation (OST VIR)	9/2/2015	September 2015 OSDF Inspection	12	Herbicide Applied	9/24/2015	
2477	East toe of cell 2 near midpoint	No	honeysuckle	9/2/2015	September 2015 OSDF Inspection	13	Herbicide Applied	9/24/2015	
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			
2480	east toe of cell 4 near cell 4/5 boundary	No	dogwood and honeysuckle	9/2/2015	September 2015 OSDF Inspection	16	Herbicide Applied	9/24/2015	
2481	East toe of cell 5	No	Honeysuckle	9/2/2015	September 2015 OSDF Inspection	17	Herbicide Applied	9/24/2015	
2482	East toe of cell 6	No	Cherry tree	9/2/2015	September 2015 OSDF Inspection	18	Herbicide Applied	9/24/2015	
2483	East toe of cell 6	No	Honeysuckle	9/2/2015	September 2015 OSDF Inspection	19	Herbicide Applied	9/24/2015	
2484	East drain at cell 6/7 boundary	No	cottonwood tree	9/2/2015	September 2015 OSDF Inspection	20	Herbicide Applied	9/24/2015	
2485	East toe of cell 8	No	Grape vine	9/2/2015	September 2015 OSDF Inspection	21	Herbicide Applied	9/24/2015	
2486	East toe of cell 8	No	Honeysuckle	9/2/2015	September 2015 OSDF Inspection	22	Herbicide Applied	9/24/2015	
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
2488	North drain	No	Pear tree	9/3/2015	September 2015 OSDF Inspection	24			
2489	East drain at Cell 1	No	woody vegetation on rip rap slope	9/3/2015	September 2015 OSDF Inspection	25	Herbicide Applied	9/24/2015	
2490	East drain at cell 2	No	Willow in cattails	9/3/2015	September 2015 OSDF Inspection	26	Herbicide Applied	9/24/2015	
2491	East drain at cell 7	No	Pear tree	9/3/2015	September 2015 OSDF Inspection	27			
2492	East drain at cell 7/8 boundary	No	Honeysuckle	9/3/2015	September 2015 OSDF Inspection	28	Herbicide Applied	9/24/2015	
2493	East drain at cell 8	No	Pear tree	9/3/2015	September 2015 OSDF Inspection	29	Herbicide Applied	9/24/2015	
2494	East drain at cell 8	No	grape vine	9/3/2015	September 2015 OSDF Inspection	30	Herbicide Applied	9/24/2015	
2495	East drain at cell 8	No	Honeysuckle	9/3/2015	September 2015 OSDF Inspection	31	Herbicide Applied	9/24/2015	
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			
2500	West drain at southwest corner of cell 8	No	Varous woody vegetation	9/3/2015	September 2015 OSDF Inspection	36	Herbicide Applied	9/24/2015	
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			
2503	West drain behind VH 6 at fence	No	Green ash	9/3/2015	September 2015 OSDF Inspection	39	Herbicide Applied	9/24/2015	
2504	West drain at cell 5	No	Honeysuckle and pear	9/3/2015	September 2015 OSDF Inspection	40	Herbicide Applied	9/24/2015	
2505	West drain at cell 2	No	Honeysuckle	9/3/2015	September 2015 OSDF Inspection	41	Herbicide Applied	9/24/2015	
2506	North perimeter of site	No	Sign S49 unable to be located	9/9/2015	September 2015 point-specific institutional controls inspection	NA	No Action Required	9/24/2015	Sign located

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
2507	East perimeter fence along well road south of DO building.	No	Sign S65 unable to be located	9/8/2015	September 2015 point-specific institutional controls inspection	NA	No Action Required	9/24/2015	Sign located
2508	North perimeter along Hickory trail.	No	Sign S45 is partially blocked by vegetation	9/8/2015	September 2015 point-specific institutional controls inspection	NA	Pruning	9/24/2015	



\\lm\gis\ProjectWorkArea\Sites\OH\Fernald\ProjectWorkArea\widrichd\OSDF\CellCap4-6_2015herb.mxd widrichd 08/11/2015 3:03:31 PM

- OSDF Inspection Point
- Cell Grid
- OSDF Cell Boundaries

2015 Herbaceous Cover Data Summary
OSDF- Cell Cap 4

Total Spp.:	22	Mean CC:	2.45
Native Spp.:	14	Average Cover:	97%
Non-Native Spp.:	8	FQAI ^b :	11.51
Percent Native:	64%		

Species	Common Name	Type	CC ^a	Number of quadrats present	Frequency (species/quadrat)	Relative Frequency	
<i>Ambrosia artemisiifolia</i>	COMMON RAGWEED	forb	0	2	0.17	3%	
<i>Andropogon gerardii</i>	BIG BLUESTEM	grass	5	11	0.92	16%	
<i>Aster pilosus</i>	AWL ASTER	forb	1	3	0.25	4%	
<i>Bouteloua curtipendula</i>	SIDE-OATS GRAMA GRASS	grass	8	7	0.58	10%	
<i>Calystegia sepium</i>	HEDGE BINDWEED	forb	1	2	0.17	3%	
<i>Echinacea purpurea</i>	PURPLE CONEFLOWER	forb	6	1	0.08	1%	
<i>Elymus canadensis</i>	CANADA WILD RYE	grass	6	7	0.58	10%	
<i>Heliopsis helianthoides</i>	SMOOTH OXEYE	forb	5	1	0.08	1%	
<i>Ipomoea pandurata</i>	POTATO-VINE	forb	2	1	0.08	1%	
<i>Panicum virgatum</i>	SWITCH GRASS	grass	4	5	0.42	7%	
<i>Ratibida pinnata</i>	GRAY-HEADED CONEFLOWER	forb	5	3	0.25	4%	
<i>Schizachyrium scoparium</i>	LITTLE BLUESTEM	grass	5	1	0.08	1%	
<i>Solidago canadensis</i>	CANADA GOLDENROD	forb	1	6	0.50	9%	
<i>Sorghastrum nutans</i>	INDIAN GRASS	grass	5	4	0.33	6%	
<i>Bromus japonicus</i>	JAPANESE BROME	grass	0	2	0.17	3%	
<i>Cirsium arvense</i>	CANADA THISTLE	forb	0	1	0.08	1%	
<i>Daucus carota</i>	QUEEN-ANNE'S-LACE	forb	0	2	0.17	3%	
<i>Dipsacus fullonum</i>	WILD TEASEL	forb	0	2	0.17	3%	
<i>Echinochloa crusgalli</i>	BARNYARD GRASS	grass	0	1	0.08	1%	
<i>Festuca sp.</i>	ND^c	grass	0	1	0.08	1%	
<i>Melilotus alba</i>	WHITE SWEET-CLOVER	forb	0	1	0.08	1%	
<i>Trifolium hybridum</i>	ALSIKE CLOVER	forb	0	4	0.33	6%	
				Native Species:	54	4.50	79%
				Non-Native Species:	14	1.17	21%

^aCC = Coefficient of Conservatism

^bFQAI = Floristic Quality Assessment Index

^cND = No Determination

Species in bold are non-native

2015 Herbaceous Cover Data Summary
OSDF- Cell Cap 5

Total Spp.:	17	Mean CC:	2.47
Native Spp.:	12	Average Cover:	97%
Non-Native Spp.:	5	FQAI ^b :	10.19
Percent Native:	71%		

Species	Common Name	Type	CC ^a	Number of quadrats present	Frequency (species/quadrat)	Relative Frequency
<i>Ambrosia artemisiifolia</i>	COMMON RAGWEED	forb	0	1	0.08	2%
<i>Andropogon gerardii</i>	BIG BLUESTEM	grass	5	11	0.92	23%
<i>Aster pilosus</i>	AWL ASTER	forb	1	1	0.08	2%
<i>Bouteloua curtipendula</i>	SIDE-OATS GRAMA GRASS	grass	8	3	0.25	6%
<i>Calystegia sepium</i>	HEDGE BINDWEED	forb	1	1	0.08	2%
<i>Elymus canadensis</i>	CANADA WILD RYE	grass	6	4	0.33	9%
<i>Heliopsis helianthoides</i>	SMOOTH OXEYE	forb	5	1	0.08	2%
<i>Oenothera biennis</i>	COMMON EVENING-PRIMROSE	forb	1	1	0.08	2%
<i>Panicum virgatum</i>	SWITCH GRASS	grass	4	7	0.58	15%
<i>Ratibida pinnata</i>	GRAY-HEADED CONEFLOWER	forb	5	2	0.17	4%
<i>Solidago canadensis</i>	CANADA GOLDENROD	forb	1	7	0.58	15%
<i>Sorghastrum nutans</i>	INDIAN GRASS	grass	5	3	0.25	6%
<i>Daucus carota</i>	QUEEN-ANNE'S-LACE	forb	0	1	0.08	2%
<i>Dipsacus fullonum</i>	WILD TEASEL	forb	0	1	0.08	2%
<i>Echinochloa crusgalli</i>	BARNYARD GRASS	grass	0	1	0.08	2%
<i>Solanum carolinense</i>	HORSE NETTLE	forb	0	1	0.08	2%
<i>Sonchus arvensis</i>	FIELD SOW-THISTLE	forb	0	1	0.08	2%
Native Species:				42	3.50	89%
Non-Native Species:				5	0.42	11%

^aCC = Coefficient of Conservatism

^bFQAI = Floristic Quality Assessment Index

Species in bold are non-native

2015 Herbaceous Cover Data Summary
OSDF- Cell Cap 6

Total Species:	22	Mean CC:	2.23
Native Species:	16	Average Cover:	97%
Non-Native Species:	6	FQAI ^D :	10.45
Percent Native:	73%		

Species	Common Name	Type	CC ^a	Number of quadrats present	Frequency (species/quadrat)	Relative Frequency	
<i>Ambrosia artemisiifolia</i>	COMMON RAGWEED	forb	0	3	0.25	4%	
<i>Andropogon gerardii</i>	BIG BLUESTEM	grass	5	10	0.83	13%	
<i>Aster pilosus</i>	AWL ASTER	forb	1	1	0.08	1%	
<i>Bouteloua curtipendula</i>	SIDE-OATS GRAMA GRASS	grass	8	6	0.50	8%	
<i>Calystegia sepium</i>	HEDGE BINDWEED	forb	1	1	0.08	1%	
<i>Carex sp.</i>	ND ^c	sedge	0	1	0.08	1%	
<i>Elymus canadensis</i>	CANADA WILD RYE	grass	6	6	0.50	8%	
<i>Panicum virgatum</i>	SWITCH GRASS	grass	4	6	0.50	8%	
<i>Physalis heterophylla</i>	CLAMMY GROUND-CHERRY	forb	1	1	0.08	1%	
<i>Ratibida pinnata</i>	GRAY-HEADED CONEFLOWER	forb	5	8	0.67	10%	
<i>Rudbeckia hirta</i>	BLACK-EYED SUSAN	forb	1	2	0.17	3%	
<i>Schizachyrium scoparium</i>	LITTLE BLUESTEM	grass	5	2	0.17	3%	
<i>Senna hebecarpa</i>	NORTHERN WILD SENNA	forb	4	1	0.08	1%	
<i>Solidago canadensis</i>	CANADA GOLDENROD	forb	1	4	0.33	5%	
<i>Sorghastrum nutans</i>	INDIAN GRASS	grass	5	9	0.75	12%	
<i>Vernonia gigantea</i>	TALL IRONWEED	forb	2	1	0.08	1%	
<i>Bromus japonicus</i>	JAPANESE BROME	grass	0	4	0.33	5%	
<i>Chrysanthemum leucanthemum</i>	OX-EYE DAISY	forb	0	1	0.08	1%	
<i>Daucus carota</i>	QUEEN-ANNE'S-LACE	forb	0	4	0.33	5%	
<i>Dipsacus fullonum</i>	WILD TEASEL	forb	0	3	0.25	4%	
<i>Sonchus arvensis</i>	FIELD SOW-THISTLE	forb	0	1	0.08	1%	
<i>Trifolium pratense</i>	RED CLOVER	forb	0	2	0.17	3%	
				Native Species:	62	5.17	81%
				Non-Native Species:	15	1.25	19%

^aCC = Coefficient of Conservatism

^bFQAI = Floristic Quality Assessment Index

^cND = No Determination

Species in bold are non-native