Department of Energy
Washington, DC 20585

October 6, 2014

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 2104 Fernald Preserve On-Site Disposal Facility Inspection Forms

The purpose of this letter is to transmit the completed forms for the September 2014 inspection of the On-Site Disposal Facility (OSDF) at the Fernald, Ohio, Site. The inspection was conducted on September 5, 2014. Photographs of the OSDF and the surrounding area were taken to accompany the inspection and are included with this report. The inspection was conducted by Stoller, the Ohio Environmental Protection Agency (Ohio EPA), and the Ohio Department of Health.

The Fernald Preserve Comprehensive Legacy Management and Institutional Controls Plan (LMICP) describes the inspection process. The September 2014 inspection included a walk of the toe, the drainages, and the fence line.

Individuals recorded their findings on the *Fernald Preserve OSDF Walk-down Inspection Form* and indicated the locations of those findings on a map of the OSDF.

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

Maintenance activities to address restricted flow in several locations along the west inner drainage have been completed. This work was part of a "follow-up" inspection, pursuant to Section 7.2 of the Post-Closure Care and Inspection Plan. No issues were observed with respect to the repairs. Water was observed flowing from underneath the concrete outfall for Gravity Inlet Structure (GIS) 8 (Finding No. 44, photograph enclosed). The water appeared to be leaking from a seam along the horizontal culvert. No other signs of damage were observed (e.g., erosion). At this time, no repairs are necessary. Field personnel will continue to monitor the GIS during future inspections. If erosion or sink holes are observed near the GIS, additional action will be required.

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Findings from this inspection have been added to the Fernald Preserve Maintenance and Repair Action Items database report, a printout of which is enclosed. Resolution of the findings is tracked through this database. Items on the list that were resolved since the previous inspection are included in the report with the date and a description of the resolution. Previously reported resolved items are removed from the list. Resolution of older findings can be found on previous quarterly inspection reports.

Pursuant to Volume II of the LMICP, herbaceous-cover data was collected for Cell Caps 1, 2, and 3. For each cell cap, twelve 1-meter-square quadrats were randomly located using a 3 × 4 grid. The enclosed figure shows the grid and quadrat locations for each cell cap. Field surveys were conducted on August 5 and August 6. Total cover data and species richness data were collected for each quadrat. Total cap cover, native species composition, and relative frequency of native species were calculated using this information. The table below summarizes the overall findings and the enclosed data tables present cap-specific species lists.

Cell Cap	Total Cover	Native Species Composition	Relative Frequency of Native Species
1	97%	65%	65%
2	97%	58%	52%
3	97%	54%	56%

The LMICP goals for the OSDF cap include 90 percent total cover and 50 percent native species composition. The data collected on Cells 1, 2, and 3 demonstrate that native vegetation is being maintained across all three cells. Native species composition is above 50 percent for all three caps. Total cover exceeds the 90 percent goal for all three caps.

The next OSDF cell-cap inspection is scheduled for December 2014 and will include a complete cap walkover, along with an inspection of the drainages, the fence line, and any items of special interest or concern.

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
2014.10.06 09:38:42
-06'00'

Gwendolyn N. Hooten
Fernald Preserve Site Manager
DOE-LM-20.2

Enclosure

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

cc w/o enclosure:
(electronic)
G. Hooten, DOE
K. Reed, DOE
B. Hertel, Stoller
J. Homer, Stoller
L. McHenry, Stoller

Fernald Preserve OSDF Walkdown Inspection Report

Beginning: 09/05/2014

Ending: 09/05/2014

Area(s): Toe, drainages, fence line

Inspector(s): Stoller, Ohio EPA, ODH

Map No.	Location	GPS?	Type of Finding	Description	Photo? (File No.)
1	West toe	No	Vegetation	Woody vegetation	
2	In rip rap in front of VH5	No	Vegetation	Woody vegetation	
3	in rip rap in front of VH7	No	Vegetation	Honeysuckle	
4	West toe in front of VH8	No	Vegetation	Honeysuckle	
5	Just south of VH8	No	Vegetation	Honeysuckle	
6	East corner of toe of cell 8	No	Vegetation	Honeysuckle	
7	east toe cell 5/6 boundary	No	Vegetation	honeysuckle	
8	East toe of cell 4/5 boundary	No	Vegetation	honeysuckle	
9	Just north of midpoint east toe cell 3	No	Vegetation	C. pear	
10	Just west of midpoint on north side of gravel road along cell 1	No	Vegetation	Pear and honeysuckle	
11	NW corner of cell 1 toe	No	Vegetation	Patch of woody vegetation	
12	Northwest corner of cell 1 rip rap	No	Vegetation	Honeysuckle	
13	All along south toe of cell 8	No	Vegetation	honeysuckle	
14	East toe	No	Vegetation	teasel	

Map No.	Location	GPS?	Type of Finding	Description	Photo? (File No.)
15	East toe just north of cell 6/7 border.	No	Vegetation	callery pear	
16	East toe mid point of cell 6	No	Vegetation	callery pear	
17	east toe just south of mid point cell 3	No	Vegetation	callery pear	
18	East 6:1, cell 2	No	Vegetation	Honeysuckle	
19	Northeast toe cell 1	No	Vegetation	Cherry tree	
20	North toe cell 1	No	Vegetation	Honeysuckle	
21	North toe cell 1	No	Vegetation	Multiflora rose	
22	Northwest toe cell 1	No	Vegetation	callery pear	
23	West toe cell 1	No	Vegetation	shrub	
24	West toe cell 2	No	Vegetation	shrub	
25	West toe cell 7/8 boundary	No	Vegetation	shrub	
26	West toe at north end of cell 8	No	Vegetation	honeysuckle	
27	West toe cell 8	No	Vegetation	honeysuckle (x2)	
28	West toe cell 8	No	Vegetation	Honeysuckle	
29	West outer drain at cell 8	No	Vegetation	Honeysuckle (x2)	
30	Southwest toe cell 8	No	Vegetation	honeysuckle in rip rap	
31	south drain, mid point cell 8	No	Vegetation	cottonwood tree	
32	south drain, cell 8	No	Vegetation	cottonwood tree	
33	south drain, cell 8	No	Vegetation	honeysuckle	

Map No.	Location	GPS?	Type of Finding	Description	Photo? (File No.)
34	east drain, cell 8	No	Vegetation	pear	
35	east drain, cell 8	No	Vegetation	honeysuckle	
36	east drain, cell 5	No	Vegetation	elm tree	
37	east drain cell 4/5 boundary	No	Vegetation	thistle	
38	East drain, cell 3	No	Vegetation	Pear	
39	East toe, cell 2/3 boundary	No	Vegetation	honeysuckle	
40	East toe and drain	No	Vegetation	pear and honeysuckle	
41	North toe and drain of cell 1	No	Vegetation	cherry and honeysuckle	
42	At west fence behind VH1	No	Vegetation	Johnson grass	
43	West outer drainage between VH2 and VH3	No	Vegetation	teasel	
44	West fence at VH4	No	Erosion	Water flow from under culvert	4217 and 4218
45	At west fence behind VH6	No	Vegetation	Teasel and callery pear	
46	Behind VH7	No	Signage	Old sign. No longer legible. Suggest removal.	
47	Southwest corner of OSDF fence	No	Vegetation	Bull thistle	
48	Southwest corner of OSDF fence	No	Vegetation	Woody vegetation	
49	South OSDF fence where it meets the road.	No	Vegetation	Honeysuckle	
50	At culvert for main drainage at south fence	No	Vegetation	Honeysuckle	

Map No.	Location	GPS?	Type of Finding	Description	Photo? (File No.)
51	Southeast corner of OSDF fence	No	Vegetation	Canada thistle	
52	East drainage at cell 7 where fence line shifts	No	Vegetation	Teasel	
53	East drainage at cell 6	No	Vegetation	musk thistle	
54	East drainage at cell 6	No	Vegetation	Canada thistle and teasel	
55	East drainage at cell 3 and 4 along fence	No	Vegetation	teasel	
56	East drainage at cell 2	No	Vegetation	Teasel	
57	East drainage at cell 2	No	Erosion	Water flowing under fence off road in two locations	
58	North east corner at OSDF fence	No	Vegetation	teasel	
59	North drain at fence	No	Vegetation	honeysuckle	
60	Outer west drain between VH2 and VH3	No	Vegetation	Johnson grass	
61	South face along bottom edge	No	Vegetation	canada thistle	
62	East toe at cell 6	No	Vegetation	Thistle in edge rip rap	
63	Cell 4/5 boundary along road	No	Vegetation	teasel and honeysuckle	
64	North edge of road along north cell 1	No	Vegetation	Honeysuckle	

Additional Notes

FERNALD PRESERVE MAINTENANCE AND REPAIR ACTION ITEMS

SEPTEMBER 2014 UPDATE

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
856	Duke Energy substation	No	Honeysuckle all along bank east of Duke Energy substation	12/14/2009	December 2009 quarterly field walkdown	11			
862	Field at Rainbow bridge	No	Honeysuckle	12/14/2009	December 2009 quarterly field walkdown	17			
1002	South of Visitors Center parking lot in woods	No	Honeysuckle	6/2/2010	June 2010 quarterly field walkdown	34			
1004	Southeast of arsenic hot spot	No	Multiflora rose	6/2/2010	June 2010 quarterly field walkdown	36			
1006	South pines north of Sycamore trail	No	Honeysuckle all over	6/2/2010	June 2010 quarterly field walkdown	38			
1013	South side of south pines deer fence	No	Honeysuckle	6/2/2010	June 2010 quarterly field walkdown	45			
1020	Southeast of dance hall	No	Honeysuckle	6/2/2010	June 2010 quarterly field walkdown	52			
1022	Drainage west of northern most well in south field	No	Honeysuckle	6/2/2010	June 2010 quarterly field walkdown	54			
1091	Lodge pond basin – center	No	Invasive Schoeneplectus	9/8/2010	September 2010 quarterly field walkdown	2			
1116	Basin across from triangle	No	Honeysuckle, pear, crown vetch	9/8/2010	September 2010 quarterly field walkdown	28			
1117	Basin across from triangle	No	Honeysuckle, pear, crown vetch	9/8/2010	September 2010 quarterly field walkdown	29			
1118	Basin across from triangle	No	Pear, Honeysuckle	9/8/2010	September 2010 quarterly field walkdown	30			
1135	Pines near access road	No	Honeysuckle	9/8/2010	September 2010 quarterly field walkdown	48			
1136	North pines	No	Multiflora rose	9/8/2010	September 2010 quarterly field walkdown	49			

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
1139	North pines along access rd.	No	Honeysuckle	9/8/2010	September 2010 quarterly field walkdown	53			
1211	Cell 5/6, east toe	No	Broken survey marker	3/8/2011	March 2011 OSDF inspection	JC1			
1282	West of VH 7	No	Old leachate line unreadable	6/14/2011	June 2011 OSDF Inspection	DN13			
1285	East fence, east field	No	Honeysuckle along fence	9/7/2011	September 2011 quarterly field walkdown	1			
1291	North pines	No	Honeysuckle along woodline	9/7/2011	September 2011 quarterly field walkdown	10			
1292	Lodge pond - west	No	Olive species	9/7/2011	September 2011 quarterly field walkdown	11			
1293	East perimeter	No	Scattered pear	9/7/2011	September 2011 quarterly field walkdown	14			
1294	Lodge pond basin	No	Callery pear	9/7/2011	September 2011 quarterly field walkdown	15			
1296	OSDF fencing	No	Erosion at post bases, gaps and burrows at various locations	9/8/2011		na			
1305	East Cell 6, 6:1	No	12' x 4' bare area	9/13/2011	September 2011 OSDF Inspection	BL2			
1306	East Cell 7, 6:1	No	12' x 4' bare area	9/13/2011	September 2011 OSDF Inspection	BL3			
1315	Toe, east Cell 2	No	Erosion	9/13/2011	September 2011 OSDF Inspection	JH3			
1353	Restoration storage shed	No	Bottom of corner trim lost bolt.	9/8/2011		na			
1355	Cell 1 (west)	No	Bare spot	12/13/2011	December 2011 OSDF Inspection	LH1			
1356	Cell 1/2	No	Bare spot	12/13/2011	December 2011 OSDF Inspection	LH5			
1383	Waste Pits, north Pit 3	No	Erosion	3/6/2012	March 2012 quarterly field walkdown	12			
1443	East fence line	No	Black pipe	3/13/2012	March 2012 OSDF Inspection	HS10			

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
1451	West fence line	No	Erosion	3/13/2012	March 2012 OSDF Inspection	HS18			
1460	Ditch line on edge of road	No	Sink holes	6/5/2012	June 2012 quarterly field walkdown	8			
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			
1482	North toe	No	Sycamore and willow	6/12/2012	June 2012 OSDF Inspection	LH1			
1485	Drainage west cell 8	No	Willow	6/12/2012	June 2012 OSDF Inspection	LH7			
1491	West toe cell 6	No	Wetland vegetation	6/12/2012	June 2012 OSDF Inspection	JH5	Manage water levels	6/18/2014	
1492	West toe south of VH4	No	Standing water	6/12/2012	June 2012 OSDF Inspection	JH6	No Action Required	6/18/2014	Confirmed sufficient drainage
1526	WM1, W4 and 3	No	Honeysuckle/pear	9/5/2012	September 2012 quarterly field walkdown	6			
1527	WM1, W5 and 1	No	Honeysuckle	9/5/2012	September 2012 quarterly field walkdown	7			
1528	WM1, W7	No	Honeysuckle	9/5/2012	September 2012 quarterly field walkdown	9			
1533	WM1, fenceline	No	Large honeysuckle	9/5/2012	September 2012 quarterly field walkdown	14			
1534	WM1	No	Multiflora rose	9/5/2012	September 2012 quarterly field walkdown	15			
1538	Cell 5, west toe inner drain	No	Standing water – follow up	9/11/2011	September 2011 OSDF Inspection	JH1			
1539	Gravity inlet at VH#6	No	Erosion from gravel road	9/11/2011	September 2011 OSDF Inspection	JH3	Erosion Repair	6/18/2014	
1540	Cell 7, west inner drain	No	Standing water	9/11/2011	September 2011 OSDF Inspection	JH4	No Action Required	6/18/2014	Confirmed sufficient drainage
1555	Cell 4, west riprap	No	Ponding and vegetation in riprap	12/5/2012	December 2012 OSDF Inspection	LH2	No Action Required	6/18/2014	Confirmed sufficient drainage

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
1557	Cell 1, top	No	Burrows from moles	12/5/2012	December 2012 OSDF Inspection	TM1			
1585	CAWWT	No	North gate bent and signs are down	3/6/2013		na			
1599	Former WP PR1	No	Erosion	3/12/2013	March 2013 quarterly field walkdown	13			
1609	East of burn pit WPA PR1	No	Erosion	3/12/2013	March 2013 quarterly field walkdown	23			
1612	South of FPA	No	Erosion at outfall	3/12/2013	March 2013 quarterly field walkdown	26			
1625	PR1 north face	No	Erosion	3/12/2013	March 2013 quarterly field walkdown	39			
1639	Cell 8, south toe	No	Rock	3/12/2013	March 2013 OSDF Inspection	MS2			
1646	Cell 7, west toe	No	Erosion	3/12/2013	March 2013 OSDF Inspection	RE5			
1651	West inner drain between VH5 and VH6	No	Poor drainage	3/12/2013	March 2013 OSDF Inspection	JH5	Manage water levels	6/18/2014	
1656	Cell 3/4, west toe	No	Standing water	3/12/2013	March 2013 OSDF Inspection	BL2	No Action Required	6/18/2014	Confirmed sufficient drainage
1668	Cell 7, east toe	No	Wash area	3/12/2013	March 2013 OSDF Inspection	HS7			
1671	Behind VH8	No	Culvert pipe	3/12/2013	March 2013 OSDF Inspection	HS13			
1673	Leachate signs	No	Faded and unreadable	3/12/2013	March 2013 OSDF Inspection	HS15			
1685	Cell 1, north drain	No	Erosion from roadway	3/12/2013	March 2013 OSDF Inspection	HS29			
1708	East side of road	No	Canada thistle	6/12/2013	June 2013 quarterly field walkdown	20			
1721	South field prairie	No	Canada thistle	6/12/2013	June 2013 quarterly field walkdown	33			
1722	North edge of VC parking lot	No	Pear and honeysuckle	6/6/2013	June 2013 quarterly field walkdown	34			
1735	Prairie north of parking lot	No	Pear and crown vetch	6/6/2013	June 2013 quarterly field walkdown	48			
1739	East bank Paddys Run	No	Multiflora rose	6/6/2013	June 2013 quarterly field walkdown	52			

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
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			
1745	NE corner	No	Musk thistle	6/12/2013	June 2013 OSDF Inspection	JH2			
1750	SW drainage and inner drain	No	Canada, musk, bull thistles (no flag)	6/12/2013	June 2013 OSDF Inspection	JH10			
1769	SW corner drain	No	Woody trees and shrubs	6/12/2013	June 2013 OSDF Inspection	HS17			
1773	East of Restoration shed	No	Vines growing up deer fence	9/4/2013	September 2013 quarterly field walkdown	2			
1774	Hill along SR 126	No	Teasel and honeysuckle	9/4/2013	September 2013 quarterly field walkdown	3			
1775	East fence WM1	No	Callery pear	9/4/2013	September 2013 quarterly field walkdown	4			
1776	East fence WM1	No	Honeysuckle	9/4/2013	September 2013 quarterly field walkdown	5			
1777	East fence WM1	No	Teasel	9/4/2013	September 2013 quarterly field walkdown	6			
1778	East fence WM1	No	Teasel	9/4/2013	September 2013 quarterly field walkdown	7			
1779	East fence WM1	No	Callery pear	9/4/2013	September 2013 quarterly field walkdown	8			
1780	East fence and south	No	Callery pear	9/4/2013	September 2013 quarterly field walkdown	9			
1781	Hill along SR 126	No	Honeysuckle	9/4/2013	September 2013 quarterly field walkdown	10			
1782	WM1 W6	No	Teasel	9/4/2013	September 2013 quarterly field walkdown	11			

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
1783	WM1 W6 berm	No	Callery pear	9/4/2013	September 2013 quarterly field walkdown	12			
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			
1792	CAWWT fencing	No	Woody vegetation growing quickly around north portion	9/4/2013	September 2013 quarterly field walkdown	na			
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			
1816	SW corner	No	Bull thistle	9/10/2013	September 2013 OSDF Inspection	HS18			
1817	West fence at Cell 7/8	No	Debris	9/10/2013	September 2013 OSDF Inspection	HS19			
1823	NWEPR1 - Northwest corner of old access road and Hickory trail	No	Two old pipes from previous inspection	12/3/2013	December 2013 quarterly field walkdown	1			
1824	In Paddys Run just west of bench on Hickory Trail.	No	Large white board (cornhole board?)	12/3/2013	December 2013 quarterly field walkdown	2			
1825	Deer trail below slope west of road.	No	Old orange marker in evergreen	12/3/2013	December 2013 quarterly field walkdown	3			
1826	south side of trail just east of stone-paved section	No	Old yellow marker in shrub with red berries	12/3/2013	December 2013 quarterly field walkdown	4			
1827	Fence along south boundary with PR1	No	Hole under fence	12/3/2013	December 2013 quarterly field walkdown	5			

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
1828	Opposite buildings on west side of road	No	plastic debris - corrugated sheets	12/3/2013	December 2013 quarterly field walkdown	6			
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			
1852	Northwest corner of parking area	No	Cedar tree	12/11/2013	December 2013 OSDF Inspection	HS1			
1853	North fenceline at former gate location	No	Metal gate stop...needs removed	12/11/2013	December 2013 OSDF Inspection	HS2			
1854	South gate	No	Sign is hanging	12/11/2013	December 2013 OSDF Inspection	HS3			
1855	Southwest corner at drainage	No	Cedars	12/11/2013	December 2013 OSDF Inspection	HS4			
1856	100 yards north of southwest corner	No	Sign hanging	12/11/2013	December 2013 OSDF Inspection	HS5			
1861	Next to firebreak	No	Concrete block chip	3/10/2014	March 2014 quarterly field walkdown	4	Debris Removal	8/20/2014	
1865	Northwest of CAWWT near drainage	No	Power pole anchor, conduit	3/10/2014	March 2014 quarterly field walkdown	8			
1867	West of OSDF VH 6	No	Concrete	3/10/2014	March 2014 quarterly field walkdown	10	Debris Removal	8/20/2014	
1871	Northwest drainage corridor on boundary with FWP-RF1	No	Power pole top, cable	3/10/2014	March 2014 quarterly field walkdown	14			
1872	North of former WPRP swale	No	Concrete	3/10/2014	March 2014 quarterly field walkdown	15			
1873	North of former WPRP swale	No	Glazed brick	3/10/2014	March 2014 quarterly field walkdown	16			
1874	North of former WPRP swale	No	ductile iron pipe (4" diameter)	3/10/2014	March 2014 quarterly field walkdown	17			

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
1878	West of OSDF VH 7	No	Concrete	3/10/2014	March 2014 quarterly field walkdown	21	Debris Removal	8/20/2014	
1879	NW of OSDF VH 7	No	Concrete	3/10/2014	March 2014 quarterly field walkdown	22	Debris Removal	8/20/2014	
1880	SW of OSDF VH 6	No	Concrete	3/10/2014	March 2014 quarterly field walkdown	23			
1881	SW of OSDF VH3 and south of drainage	No	Concrete	3/10/2014	March 2014 quarterly field walkdown	24			
1882	SW of OSDF VH3 and south of drainage	No	Concrete	3/10/2014	March 2014 quarterly field walkdown	25			
1890	High ground in MDC - just south of firebreak	No	Concrete	3/10/2014	March 2014 quarterly field walkdown	33	Debris Removal	8/20/2014	
1891	Northeast bank of pond	No	concrete/fence in water	3/10/2014	March 2014 quarterly field walkdown	34			
1892	NE of CAWWT	No	Going into pond 4B	3/10/2014	March 2014 quarterly field walkdown	35			
1894	North of depression	No	asphalt	3/10/2014	March 2014 quarterly field walkdown	37	Debris Removal	8/20/2014	
1895	North of access road	No	plastic bag/trash	3/10/2014	March 2014 quarterly field walkdown	38			
1896	west of firebreak	No	field of debris	3/10/2014	March 2014 quarterly field walkdown	39	Debris Removal	8/20/2014	
1897	SE corner of Angel pond	No	Pile of concrete and rebar	3/10/2014	March 2014 quarterly field walkdown	40	Debris Removal	8/20/2014	
1899	wetland piezometer	No	Piezometer down	3/10/2014	March 2014 quarterly field walkdown	42			
1900	west of Hickory trail, East of swale	No	Concrete	3/10/2014	March 2014 quarterly field walkdown	43			
1901	Bank of pond	No	Fresh erosion	3/10/2014	March 2014 quarterly field walkdown	44			
1902	bank between ponds	No	Fresh	3/10/2014	March 2014 quarterly field walkdown	45			
1903	Bank of Paddys Run	No	Bank cut at Paddy's Run	3/10/2014	March 2014 quarterly field walkdown	46			
1909	on end of peninsula	No	peninsula eroding	3/10/2014	March 2014 quarterly field walkdown	52			
1910	northwest of skillet pond	No	concrete	3/10/2014	March 2014 quarterly field walkdown	53			

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
1911	northwest of skillet pond	No	metal sheet	3/10/2014	March 2014 quarterly field walkdown	54			
1912	east side of swale	No	debris	3/10/2014	March 2014 quarterly field walkdown	55			
1919	At water's edge, west bank of pond	No	concrete	3/10/2014	March 2014 quarterly field walkdown	62	Debris Removal	8/20/2014	
1921	Northwest of pond (10' from water)	No	18" x 18" concrete	3/10/2014	March 2014 quarterly field walkdown	64			
1924	North bank of swan pond at water's edge	No	oil slick/cess pool	3/10/2014	March 2014 quarterly field walkdown	67			
1937	east of five oaks on east edge of pond	No	asphalt, plastic	3/10/2014	March 2014 quarterly field walkdown	80			
1938	northeast corner of pond nearthe willows	No	concrete	3/10/2014	March 2014 quarterly field walkdown	81			
1939	in drainage north of willows	No	glazed clay tile	3/10/2014	March 2014 quarterly field walkdown	82	Debris Removal	8/20/2014	
1940	east of pond	No	tile and coal?	3/10/2014	March 2014 quarterly field walkdown	83			
1941	west finger of "boot" pond	No	overturned plant cages in the water	3/10/2014	March 2014 quarterly field walkdown	84			
1942	Knoll west of "boot" pond	No	metal fence post with no cage	3/10/2014	March 2014 quarterly field walkdown	85			
1943		No	piece of metal	3/10/2014	March 2014 quarterly field walkdown	86			
1944	North of Visitors Center	No	Asphalt/concrete	3/10/2014	March 2014 quarterly field walkdown	87			
1945	North of Visitors Center	No	Asphalt/concrete	3/10/2014	March 2014 quarterly field walkdown	88			
1947	Northeast of bio-wetland	No	concrete	3/10/2014	March 2014 quarterly field walkdown	90			
1948	Northeast of bio-wetland	No	erosion	3/10/2014	March 2014 quarterly field walkdown	91			
1949	West of Visitors Center	No	asphalt	3/10/2014	March 2014 quarterly field walkdown	92			Finding just outside of inspection area boundary
1952	East 6:1, cell 2	No	Burrow	3/11/2014	March 2014 OSDF Inspection	HB3			
1971	west 6:1, cell 3	No		3/11/2014	March 2014 OSDF Inspection	SD1			

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
1972	West 6:1, cell 5	No	2 large holes	3/11/2014	March 2014 OSDF Inspection	SD2			
1973	Inspector unsure of location. Cell 5 or 6.	No	Large bare spot. Rocks.	3/11/2014	March 2014 OSDF Inspection	SD3			Unable to locate
1978	west 6:1, just south of VH 5	No	Musk thistle, several	3/11/2014	March 2014 OSDF Inspection	PB1			
1979	west 6:1, halfway between VH 5 and 6	No	Musk thistle	3/11/2014	March 2014 OSDF Inspection	PB2			
1980	west 6:1, on edge of mowed grass, cell 6	No	Musk thistle, several	3/11/2014	March 2014 OSDF Inspection	PB3			
1981	Just north of rise, cell 8	No		3/11/2014	March 2014 OSDF Inspection	PB4			
1982	West 6:1, half way up slope, cell 7	No	Teasel rosettes	3/11/2014	March 2014 OSDF Inspection	HS1			
1983	North drainage	No	cedar tree	3/11/2014	March 2014 OSDF Inspection	LM3			
1986	Former compost area	No	Area needs re-seeded	6/3/2014	June 2014 quarterly field walkdown	1			
1987	Soutwest of bio-wetland	No	asphalt	6/3/2014	June 2014 quarterly field walkdown	2	Debris Removal	8/20/2014	
1988	South of drainage ditch	No	Crown vetch	6/3/2014	June 2014 quarterly field walkdown	3	Herbicide Applied	6/13/2014	
1989	Near road and along drainage	No	Crown vetch	6/3/2014	June 2014 quarterly field walkdown	4	Herbicide Applied	6/13/2014	
1990	Ridge top	No	Thistle and crown vetch	6/3/2014	June 2014 quarterly field walkdown	5	Herbicide Applied	6/13/2014	
1991	North of "Ant Island" basin	No	Remove deer cages as needed	6/3/2014	June 2014 quarterly field walkdown	6			
1992	NW of "Ant Island" basin	No	Phragmites	6/3/2014	June 2014 quarterly field walkdown	7	Herbicide Applied	6/16/2014	
1993	Edge of trail	No	reed canary grass	6/3/2014	June 2014 quarterly field walkdown	8	Herbicide Applied	6/16/2014	
1994	Edge of trail	No	reed canary grass	6/3/2014	June 2014 quarterly field walkdown	9	Herbicide Applied	6/16/2014	
1995	SW of storm water retention basin	No	reed canary grass	6/3/2014	June 2014 quarterly field walkdown	10	Herbicide Applied	6/18/2014	
1996	Bank of storm water retention basin	No	canada thistle	6/3/2014	June 2014 quarterly field walkdown	11	Herbicide Applied	6/18/2014	

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
1997	At outlet to storm sewer outfall ditch	No	reed canary grass	6/3/2014	June 2014 quarterly field walkdown	12	Herbicide Applied	6/18/2014	
1998	West fence	No	Hole in deer fence (2)	6/3/2014	June 2014 quarterly field walkdown	13			
1999	North fence	No	Hole in fence	6/3/2014	June 2014 quarterly field walkdown	14			
2000	SE fence	No	Hole in fence	6/3/2014	June 2014 quarterly field walkdown	15			
2001	Southern deer fence	No	Fence needs to be removed	6/3/2014	June 2014 quarterly field walkdown	16			
2002	Between ponds	No	Individual musk thistle	6/3/2014	June 2014 quarterly field walkdown	17	Herbicide Applied	6/16/2014	
2003	North	No	Individual musk thistle and teasel	6/3/2014	June 2014 quarterly field walkdown	18	Herbicide Applied	6/13/2014	
2004	West of Sycamore trail next to Paddys Run	No	Old cages	6/3/2014	June 2014 quarterly field walkdown	19			
2005	West deer fence	No	Gate down	6/3/2014	June 2014 quarterly field walkdown	20			
2006	Inside deer fence	No	Teasel	6/3/2014	June 2014 quarterly field walkdown	21	Herbicide Applied	6/18/2014	
2007	Between wells	No	Fencing sliding down poles	6/3/2014	June 2014 quarterly field walkdown	22			
2008	Behind deer fence	No	Old cages	6/3/2014	June 2014 quarterly field walkdown	23			
2009	South edge	No	Sliding down poles	6/3/2014	June 2014 quarterly field walkdown	24			
2010	West of 'speed limit 15' sign	No	teasel	6/3/2014	June 2014 quarterly field walkdown	25	Herbicide Applied	6/16/2014	
2011	Under power lines in ravine	No	Nodding thistle (musk thistle)	6/3/2014	June 2014 quarterly field walkdown	26	Herbicide Applied	6/18/2014	
2012	West of Visitors Center, north of silo ponds	No	Crown vetch	6/3/2014	June 2014 quarterly field walkdown	27	Herbicide Applied	6/13/2014	
2013	Deer fence north of 'dance hall'	No	teasel	6/3/2014	June 2014 quarterly field walkdown	28	Herbicide Applied	6/17/2014	
2014	South of gravel road	No	teasel	6/3/2014	June 2014 quarterly field walkdown	29			
2015	SWU slope	No	teasel	6/3/2014	June 2014 quarterly field walkdown	30	Herbicide Applied	6/17/2014	

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
2016	Field across from Comm building and Lodge Pond	No	teasel	6/3/2014	June 2014 quarterly field walkdown	31	Herbicide Applied	6/18/2014	
2017		No	aluminum well cap	6/3/2014	June 2014 quarterly field walkdown	32			
2018	East slope of basin	No	sheet metal roofing	6/3/2014	June 2014 quarterly field walkdown	33	No Action Required	6/3/2014	This finding was an identification of a cover board used for ecological monitoring purposes.
2019	North perimeter along SR 126	No	Unable to locate sign	6/5/2014	June 2014 point-specific institutional controls inspection				
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			
2021	Edge of road on slant of rip rap	No	Honeysuckle	6/4/2014	June 2014 OSDF Inspection	DB1			
2022	End of cell 3 along road	No	Woody	6/4/2014	June 2014 OSDF Inspection	DB2			
2023	South toe edge of slope	No	Honeysuckle	6/4/2014	June 2014 OSDF Inspection	DB3			
2024	West above to of 8, end of 8	No	Thistle	6/4/2014	June 2014 OSDF Inspection	DB4			
2025	South of valve house 6 at edge of road	No	possible thistle	6/4/2014	June 2014 OSDF Inspection	DB5			
2026	Across from VH4, in rip rap at corner next to wells	No	Depression	6/4/2014	June 2014 OSDF Inspection	DB6	No Action Required	6/18/2014	Confirmed sufficient drainage
2027	Near VH3, next to mushroom in toe	No	Looks like thistle	6/4/2014	June 2014 OSDF Inspection	DB7			
2028	South of VH2	No	thistle in edge of road	6/4/2014	June 2014 OSDF Inspection	DB8			
2029	East toe at end of Cell 2 and into Cell 3	No	Honeysuckle and pear	6/4/2014	June 2014 OSDF Inspection	SB1			
2030	East drainage, middle, rip rap	No	Pear	6/4/2014	June 2014 OSDF Inspection	SB2			
2031	Just south of 7/8 boundary, east drain, rip rap	No	Woody vegetation	6/4/2014	June 2014 OSDF Inspection	SB3			
2032	East drain, just south of "dog leg" in drain, rip rap.	No	Honeysuckle x 2	6/4/2014	June 2014 OSDF Inspection	SB4			
2033	East drain in rip rap, southeast corner	No	Patch of woody vegetation	6/4/2014	June 2014 OSDF Inspection	SB5			

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
2034	South drain in rip rap, southwest corner	No	Honeysuckle x 3	6/4/2014	June 2014 OSDF Inspection	SB6			
2035	West toe of cell 8	No	Nodding and Canada thistle	6/4/2014	June 2014 OSDF Inspection	SB7			
2036	west drain in rip rap	No	pear tree	6/4/2014	June 2014 OSDF Inspection	SB8			
2037	Near west boundary of cell 7 and 8	No	Thistle patch	6/4/2014	June 2014 OSDF Inspection	SB9	Herbicide Applied	6/5/2014	
2038	West 6:1 slope of cell 1	No	Crown vetch	6/4/2014	June 2014 OSDF Inspection	LM1	Herbicide Applied	6/9/2014	
2039	East drain at cell 2	No	Woody vegetation	6/4/2014	June 2014 OSDF Inspection	LM2			
2040	East drain at cell 3	No	Woody vegetation	6/4/2014	June 2014 OSDF Inspection	LM3			
2041	East 6:1 at cell 3/4 boundary	No	Crown vetch patches	6/4/2014	June 2014 OSDF Inspection	LM4	Herbicide Applied	6/9/2014	
2042	East 6:1 cell 5	No	Crown vetch	6/4/2014	June 2014 OSDF Inspection	LM5			
2043	Cell 8 cap	No	Large patches of thistle in various locations	6/4/2014	June 2014 OSDF Inspection	LM6	Herbicide Applied	6/5/2014	
2044	South drain	No	Honeysuckle	6/4/2014	June 2014 OSDF Inspection	LM7			
2045	Prairie pocket at southwest corner of OSDF at south gate	No	Thistle and crown vetch patches	6/4/2014	June 2014 OSDF Inspection	LM8	Herbicide Applied	6/5/2014	
2046	East drain at cell 4	No	Pear trees	6/4/2014	June 2014 OSDF Inspection	HS1			
2047	East drain near edge of rocks at 4/5 boundary	No	Canada thistle	6/4/2014	June 2014 OSDF Inspection	HS2			
2048	East drain next to fence at 5/6 boundary	No	Canada thistle, hackberry, musk thistle	6/4/2014	June 2014 OSDF Inspection	HS3			
2049	East drain in rocks	No	Canada thistle	6/4/2014	June 2014 OSDF Inspection	HS4			
2050	East drain at cell 6 next to fence	No	Musk thistle, ash tree, honeysuckle	6/4/2014	June 2014 OSDF Inspection	HS5			
2051	East drain	No	Cottonwood	6/4/2014	June 2014 OSDF Inspection	HS6			
2052	AT rocks and into grass	No	Honeysuckle	6/4/2014	June 2014 OSDF Inspection	HS7			

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
2053	At crook in fence in drain	No	thistle and honeysuckle	6/4/2014	June 2014 OSDF Inspection	HS8			
2054	At the east 7/8 boundary in drain	No	Japanese honeysuckle	6/4/2014	June 2014 OSDF Inspection	HS9			
2055	AT hump in drain	No	mulberry, bull thistle	6/5/2014	June 2014 OSDF Inspection	HS10			
2056	East drain, midpoint to corner	No	hackberry, honeysuckle, cherry	6/4/2014	June 2014 OSDF Inspection	HS11			
2057	In drain coming out of southeast corner.	No	Cottonwoods in cattails	6/4/2014	June 2014 OSDF Inspection	HS12			
2058	South drain, quarter way across bern on rocks	No	Honeysuckle	6/4/2014	June 2014 OSDF Inspection	HS13			
2059	South drain, near southwest corner	No	willow and honeysuckle in the cattails	6/4/2014	June 2014 OSDF Inspection	HS14			
2060	In drain on the berm	No	Cedar, cananda thistle, box elder, honeysuckle	6/4/2014	June 2014 OSDF Inspection	HS15			
2061	Prairie pocket at south end next to gate	No	Canada and musk thistle	6/4/2014	June 2014 OSDF Inspection	HS16			
2062	Southwest corner in drain	No	Honeysuckle, rosa, bull thistle, pear, elm, canada thistle	6/4/2014	June 2014 OSDF Inspection	HS17			
2063	East drain in rocks at 4/3 split	No	Canada thistle	6/4/2014	June 2014 OSDF Inspection	HS18			
2064	In cattails	No	Cottonwood, green ash	6/4/2014	June 2014 OSDF Inspection	HS19			
2065	East drain cell 2 midway in rocks	No	Teasel	6/4/2014	June 2014 OSDF Inspection	HS20			
2066	East drain at cell 1 midway in rocks	No	Honeysuckle, pear	6/4/2014	June 2014 OSDF Inspection	HS21			
2067	East drain at cell 1 in cattails and rocks	No	Ash and thistle	6/4/2014	June 2014 OSDF Inspection	HS22			
2068	Northeast drain in rocks	No	Cherry, teasel, honeysuckle	6/4/2014	June 2014 OSDF Inspection	HS23			
2069	North drain above rocks in grasses	No	Rosa, honeysuckle, teasel	6/4/2014	June 2014 OSDF Inspection	HS24			
2070	North drain in cattails at old gate location	No	Ash tree	6/4/2014	June 2014 OSDF Inspection	HS25			
2071	North drain in grasses	No	teasel	6/4/2014	June 2014 OSDF Inspection	HS26			

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
2072	North drain at northwest corner	No	phragmites, teasel, ash	6/4/2014	June 2014 OSDF Inspection	HS27			
2073	North drain in grasses and rocks	No	Corylus, pear	6/4/2014	June 2014 OSDF Inspection	HS28			
2074	West drain at culvert beside north west gate	No	honeysuckle and teasel	6/4/2014	June 2014 OSDF Inspection	HS29			
2075	West drain at cell 1 along fence	No	Ash, teasel, honeysuckle, orchard grass	6/5/2014	June 2014 OSDF Inspection	HS30			
2076	West outer drain at cell 2 midway in rocks of drainage	No	honeysuckle, canada thistle	6/5/2014	June 2014 OSDF Inspection	HS31			
2077	Behind VH 2 in outer west drain	No	honeysuckle, canada thistle, orchard grass, willow	6/5/2014	June 2014 OSDF Inspection	HS32			
2078	West outer drain midway between VH2 and VH3 in grasses	No	musk thistle, teasel	6/5/2014	June 2014 OSDF Inspection	HS33			
2079	Behind VH 3	No	Teasel, musk thistle, honeysuckle	6/5/2014	June 2014 OSDF Inspection	HS34			
2080	Between VH3 and VH4 in grasses	No	musk thistle	6/5/2014	June 2014 OSDF Inspection	HS35			
2081	West drain along fence south of 4/5 boundary	No	Cedar	6/5/2014	June 2014 OSDF Inspection	HS36			
2082	Just north and south of VH5 in grasses	No	musk thistle	6/5/2014	June 2014 OSDF Inspection	HS37			
2083	Half way between VH 5 and VH 6 in grass	No	Musk thistle, canada thistle	6/5/2014	June 2014 OSDF Inspection	HS38			
2084	Around and behind VH 6	No	musk thistle and honeysuckle	6/5/2014	June 2014 OSDF Inspection	HS39			
2085	South of VH 6, north of drain	No	musk thistle, teasel	6/5/2014	June 2014 OSDF Inspection	HS40			
2086	Just north of VH 7 and behind VH 7	No	musk thistle and teasel	6/5/2014	June 2014 OSDF Inspection	HS41			
2087	Around well south of VH 7	No	musk thistle	6/5/2014	June 2014 OSDF Inspection	HS42			
2088	At leachate line sign	No	asphalt	6/5/2014	June 2014 OSDF Inspection	HS43			old finding
2089	between drainage and fence at cell 8 (at owl box)	No	teasel, patch of trumpet creeper	6/5/2014	June 2014 OSDF Inspection	HS44			
2090	Behind VH8	No	musk thistle	6/5/2014	June 2014 OSDF Inspection	HS45			

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
2091	Southwest drainage	No	Teasel, willow, honeysuckle	6/5/2014	June 2014 OSDF Inspection	HS46			
2092	North perimeter fence line along SR 126	No	Could not locate sign	6/3/2014	June 2014 point-specific institutional controls inspection	NA			
2093	east slope of basin NDAP4	No	Rill erosion from road into pond.	7/1/2014					Reported by CAWWT last winter.
2094	access path	No	low spot due to beaver dam is rutted and needs rock added.	7/1/2014					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			
2096	South end of BAPW2	No	Canada thistle	9/3/2014	September 2014 quarterly field walkdown	2	Herbicide Applied	9/9/2014	
2097	BAPW9	No	Canada thistle	9/3/2014	September 2014 quarterly field walkdown	3	Herbicide Applied	9/9/2014	
2098	Northwest BAPW7	No	Phragmites	9/3/2014	September 2014 quarterly field walkdown	4	Herbicide Applied	9/9/2014	
2099	Northeast corner of W4	No	Teasel	9/3/2014	September 2014 quarterly field walkdown	5	Herbicide Applied	9/15/2014	
2100	East edge of W1	No	Teasel	9/3/2014	September 2014 quarterly field walkdown	6	Herbicide Applied	9/15/2014	
2101	On hillside just below St. Rt. 126	No	Teasel	9/3/2014	September 2014 quarterly field walkdown	7	Herbicide Applied	9/9/2014	
2102	Just south of W1	No	Canada thistle	9/3/2014	September 2014 quarterly field walkdown	8	Herbicide Applied	9/15/2014	
2103	West of W2	No	Teasel	9/3/2014	September 2014 quarterly field walkdown	9	Herbicide Applied	9/15/2014	
2104	Southwest corner of basin	No	Tree cages?	9/3/2014	September 2014 quarterly field walkdown	10			Unsure of finding description

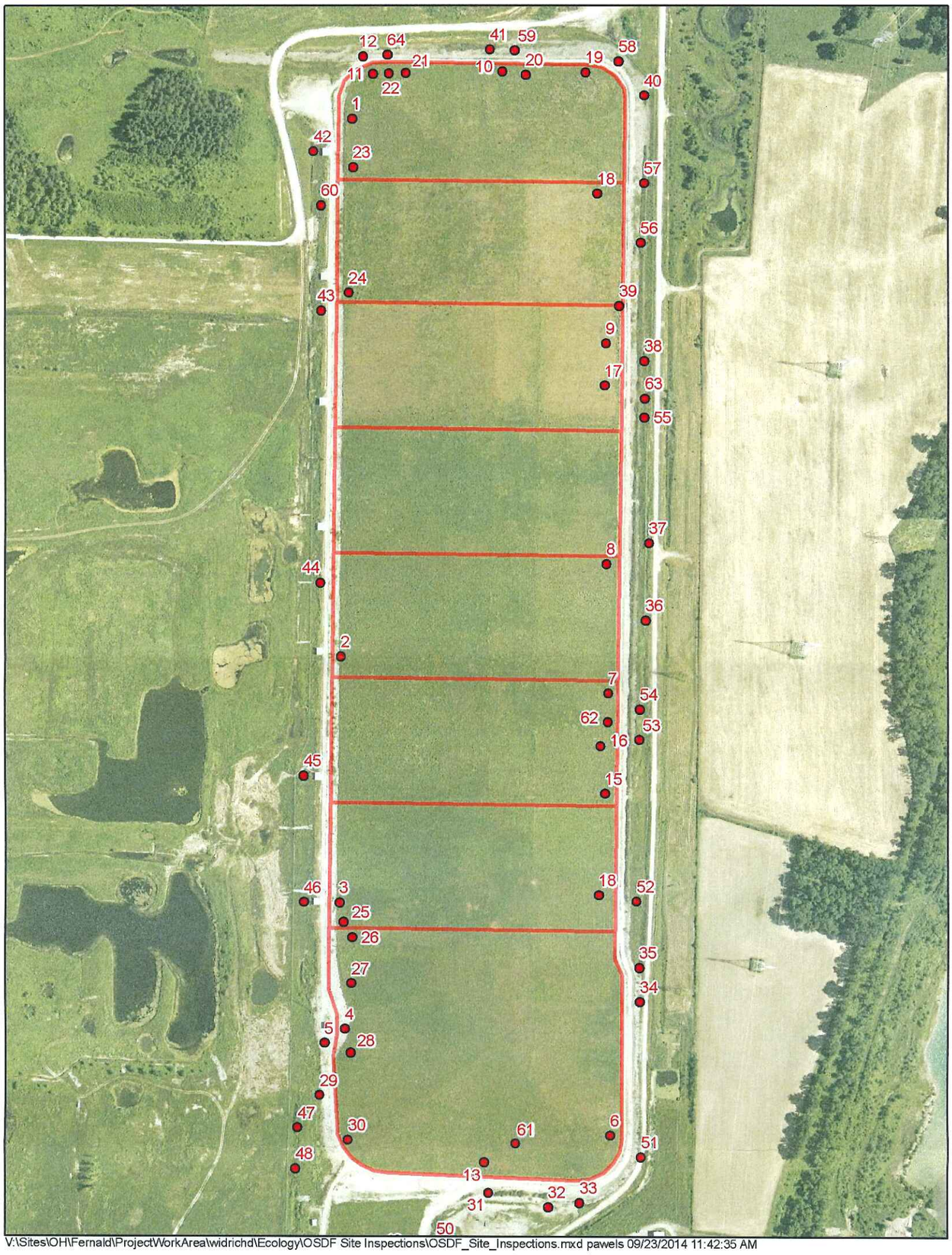
No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
2105	South of BAPW3	No	snow fence	9/3/2014	September 2014 quarterly field walkdown	11			
2106	South of BAPW3	No	plastic/trash	9/3/2014	September 2014 quarterly field walkdown	12			
2107	East of east drain on west side of area	No	concrete	9/3/2014	September 2014 quarterly field walkdown	13			
2108	W7	No	Large sandy spot (bare area?)	9/3/2014	September 2014 quarterly field walkdown	14			
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
2112	south edge of pines at NE corner of deer fence	No	Canada thistle	9/3/2014	September 2014 quarterly field walkdown	18	Herbicide Applied	9/10/2014	
2113	South edge of reforested area between groups of pines	No	Teasel	9/3/2014	September 2014 quarterly field walkdown	19	Herbicide Applied	9/10/2014	
2114	On mowed path inside deer fence	No	Canada thistle	9/3/2014	September 2014 quarterly field walkdown	20	Herbicide Applied	9/10/2014	
2115	West toe	No	Woody vegetation	9/5/2014	September 2014 OSDF Inspection	1	Herbicide Applied	9/11/2014	
2116	In rip rap in front of VH5	No	Woody vegetation	9/5/2014	September 2014 OSDF Inspection	2	Herbicide Applied	9/11/2014	
2117	in rip rap in front of VH7	No	Honeysuckle	9/5/2014	September 2014 OSDF Inspection	3	Herbicide Applied	9/11/2014	
2118	West toe in front of VH8	No	Honeysuckle	9/5/2014	September 2014 OSDF Inspection	4	Herbicide Applied	9/11/2014	
2119	Just south of VH8	No	Honeysuckle	9/5/2014	September 2014 OSDF Inspection	5	Herbicide Applied	9/11/2014	Honeysuckle east of flag, too.
2120	East corner of toe of cell 8	No	Honeysuckle	9/5/2014	September 2014 OSDF Inspection	6	Herbicide Applied	9/11/2014	

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
2121	east toe cell 5/6 boundary	No	honeysuckle	9/5/2014	September 2014 OSDF Inspection	7	Herbicide Applied	9/12/2014	
2122	East toe of cell 4/5 boundary	No	honeysuckle	9/5/2014	September 2014 OSDF Inspection	8	Herbicide Applied	9/12/2014	
2123	Just north of midpoint east toe cell 3	No	C. pear	9/5/2014	September 2014 OSDF Inspection	9	Herbicide Applied	9/12/2014	
2124	Just west of midpoint on north side of gravel road along cell 1	No	Pear and honeysuckle	9/5/2014	September 2014 OSDF Inspection	10	Herbicide Applied	9/12/2014	
2125	NW corner of cell 1 toe	No	Patch of woody vegetation	9/5/2014	September 2014 OSDF Inspection	11	Herbicide Applied	9/15/2014	
2126	Northwest corner of cell 1 rip rap	No	Honeysuckle	9/5/2014	September 2014 OSDF Inspection	12	Herbicide Applied	9/15/2014	
2127	All along south toe of cell 8	No	honeysuckle	9/5/2014	September 2014 OSDF Inspection	13	Herbicide Applied	9/11/2014	
2128	East toe	No	teasel	9/5/2014	September 2014 OSDF Inspection	14	Herbicide Applied	9/12/2014	
2129	East toe just north of cell 6/7 border.	No	callery pear	9/5/2014	September 2014 OSDF Inspection	15	Herbicide Applied	9/12/2014	
2130	East toe mid point of cell 6	No	callery pear	9/5/2014	September 2014 OSDF Inspection	16	Herbicide Applied	9/12/2014	
2131	east toe just south of mid point cell 3	No	callery pear	9/5/2014	September 2014 OSDF Inspection	17	Herbicide Applied	9/12/2014	
2132	East 6:1, cell 2	No	Honeysuckle	9/5/2014	September 2014 OSDF Inspection	18	Herbicide Applied	9/12/2014	NO FLAG
2133	Northeast toe cell 1	No	Cherry tree	9/5/2014	September 2014 OSDF Inspection	19	Herbicide Applied	9/12/2014	NO FLAG
2134	North toe cell 1	No	Honeysuckle	9/5/2014	September 2014 OSDF Inspection	20	Herbicide Applied	9/12/2014	NO FLAG
2135	North toe cell 1	No	Multiflora rose	9/5/2014	September 2014 OSDF Inspection	21	Herbicide Applied	9/12/2014	NO FLAG
2136	Northwest toe cell 1	No	callery pear	9/5/2014	September 2014 OSDF Inspection	22	Herbicide Applied	9/12/2014	NO FLAG
2137	West toe cell 1	No	shrub	9/5/2014	September 2014 OSDF Inspection	23	Herbicide Applied	9/11/2014	
2138	West toe cell 2	No	shrub	9/5/2014	September 2014 OSDF Inspection	24	Herbicide Applied	9/11/2014	
2139	West toe cell 7/8 boundary	No	shrub	9/5/2014	September 2014 OSDF Inspection	25	Herbicide Applied	9/11/2014	

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
2140	West toe at north end of cell 8	No	honeysuckle	9/5/2014	September 2014 OSDF Inspection	26	Herbicide Applied	9/11/2014	
2141	West toe cell 8	No	honeysuckle (x2)	9/5/2014	September 2014 OSDF Inspection	27	Herbicide Applied	9/11/2014	
2142	West toe cell 8	No	Honeysuckle	9/5/2014	September 2014 OSDF Inspection	28	Herbicide Applied	9/11/2014	
2143	West outer drain at cell 8	No	Honeysuckle (x2)	9/5/2014	September 2014 OSDF Inspection	29	Herbicide Applied	9/11/2014	
2144	Southwest toe cell 8	No	honeysuckle in rip rap	9/5/2014	September 2014 OSDF Inspection	30	Herbicide Applied	9/11/2014	
2145	south drain, mid point cell 8	No	cottonwood tree	9/5/2014	September 2014 OSDF Inspection	31	Herbicide Applied	9/11/2014	
2146	south drain, cell 8	No	cottonwood tree	9/5/2014	September 2014 OSDF Inspection	32	Herbicide Applied	9/11/2014	
2147	south drain, cell 8	No	honeysuckle	9/5/2014	September 2014 OSDF Inspection	33	Herbicide Applied	9/11/2014	
2148	east drain, cell 8	No	pear	9/5/2014	September 2014 OSDF Inspection	34	Herbicide Applied	9/11/2014	
2149	east drain, cell 8	No	honeysuckle	9/5/2014	September 2014 OSDF Inspection	35	Herbicide Applied	9/11/2014	
2150	east drain, cell 5	No	elm tree	9/5/2014	September 2014 OSDF Inspection	36	Herbicide Applied	9/12/2014	
2151	east drain cell 4/5 boundary	No	thistle	9/5/2014	September 2014 OSDF Inspection	37	Herbicide Applied	9/12/2014	
2152	East drain, cell 3	No	Pear	9/5/2014	September 2014 OSDF Inspection	38	Herbicide Applied	9/12/2014	NO FLAG
2153	East toe, cell 2/3 boundary	No	honeysuckle	9/5/2014	September 2014 OSDF Inspection	39	Herbicide Applied	9/12/2014	
2154	East toe and drain	No	pear and honeysuckle	9/5/2014	September 2014 OSDF Inspection	40	Herbicide Applied	9/12/2014	
2155	North toe and drain of cell 1	No	cherry and honeysuckle	9/5/2014	September 2014 OSDF Inspection	41	Herbicide Applied	9/12/2014	
2156	At west fence behind VH1	No	Johnson grass	9/5/2014	September 2014 OSDF Inspection	42	Herbicide Applied	9/11/2014	
2157	West outer drainage between VH2 and VH3	No	teasel	9/5/2014	September 2014 OSDF Inspection	43	Herbicide Applied	9/11/2014	
2158	West fence at VH4	No	Water flow from under culvert	9/5/2014	September 2014 OSDF Inspection	44			

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
2159	At west fence behind VH6	No	Teasel and callery pear	9/5/2014	September 2014 OSDF Inspection	45	Herbicide Applied	9/11/2014	
2160	Behind VH7	No	Old sign. No longer legible. Suggest removal.	9/5/2014	September 2014 OSDF Inspection	46			
2161	Southwest corner of OSDF fence	No	Bull thistle	9/5/2014	September 2014 OSDF Inspection	47	Herbicide Applied	9/15/2014	
2162	Southwest corner of OSDF fence	No	Woody vegetation	9/5/2014	September 2014 OSDF Inspection	48	Herbicide Applied	9/15/2014	
2163	South OSDF fence where it meets the road.	No	Honeysuckle	9/5/2014	September 2014 OSDF Inspection	49	Herbicide Applied	9/11/2014	
2164	At culvert for main drainage at south fence	No	Honeysuckle	9/5/2014	September 2014 OSDF Inspection	50	Herbicide Applied	9/11/2014	
2165	Southeast corner of OSDF fence	No	Canada thistle	9/5/2014	September 2014 OSDF Inspection	51	Herbicide Applied	9/11/2014	
2166	East drainage at cell 7 where fence line shifts	No	Teasel	9/5/2014	September 2014 OSDF Inspection	52	Herbicide Applied	9/12/2014	
2167	East drainage at cell 6	No	musk thistle	9/5/2014	September 2014 OSDF Inspection	53	Herbicide Applied	9/12/2014	
2168	East drainage at cell 6	No	Canada thistle and teasel	9/5/2014	September 2014 OSDF Inspection	54	Herbicide Applied	9/12/2014	
2169	East drainage at cell 3 and 4 along fence	No	teasel	9/5/2014	September 2014 OSDF Inspection	55	Herbicide Applied	9/12/2014	
2170	East drainage at cell 2	No	Teasel	9/5/2014	September 2014 OSDF Inspection	56	Herbicide Applied	9/12/2014	
2171	East drainage at cell 2	No	Water flowing under fence off road in two locations	9/5/2014	September 2014 OSDF Inspection	57			
2172	North east corner at OSDF fence	No	teasel	9/5/2014	September 2014 OSDF Inspection	58	Herbicide Applied	9/12/2014	
2173	North drain at fence	No	honeysuckle	9/5/2014	September 2014 OSDF Inspection	59	Herbicide Applied	9/12/2014	
2174	Outer west drain between VH2 and VH3	No	Johnson grass	9/5/2014	September 2014 OSDF Inspection	60	Herbicide Applied	9/15/2014	
2175	South face along bottom edge	No	canada thistle	9/5/2014	September 2014 OSDF Inspection	61	Mowing	9/15/2014	
2176	East toe at cell 6	No	Thistle in edge rip rap	9/5/2014	September 2014 OSDF Inspection	62	Herbicide Applied	9/12/2014	
2177	Cell 4/5 boundary along road	No	teasel and honeysuckle	9/5/2014	September 2014 OSDF Inspection	63	Herbicide Applied	9/12/2014	

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
2178	North edge of road along north cell 1	No	Honeysuckle	9/5/2014	September 2014 OSDF Inspection	64	Herbicide Applied	9/12/2014	
2179	North end of CAWWT fence	No	Woody vegetation growing into fence	9/5/2014					
2180	Paddys Run trestle	No	Vegetation overgrown at both gates of the trestle	9/4/2014					
2181	North end of 60-inch culvert	No	Willows growing at north end of culvert	9/4/2014					



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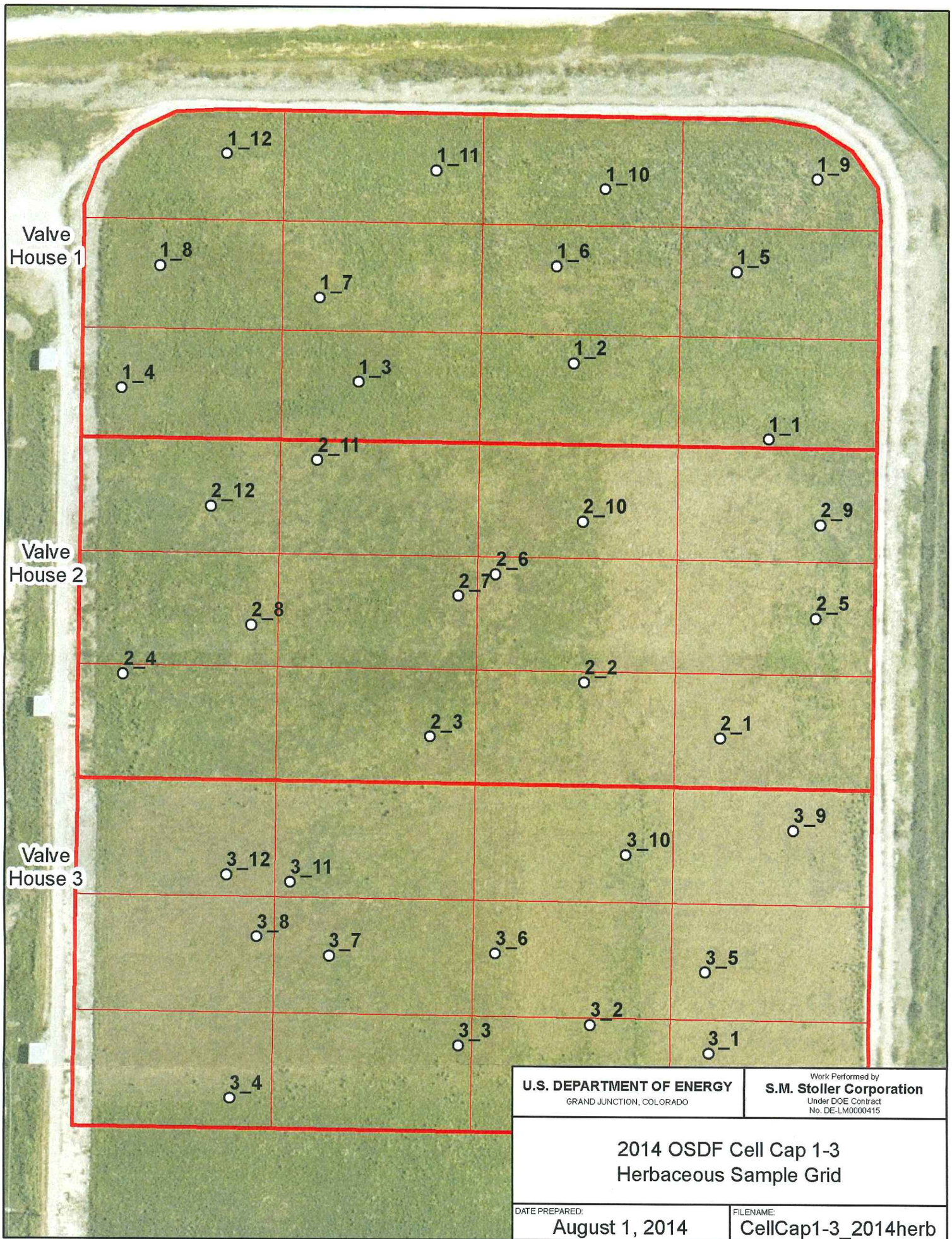
- OSDF Site Inspection Locations
- OSDF Cell Boundaries

U.S. DEPARTMENT OF ENERGY GRAND JUNCTION, COLORADO	Work Performed by S.M. Stoller Corporation Under DOE Contract No. DE-LM0000415
OSDF Inspections September 2014	
DATE PREPARED: September 23, 2014	FILENAME: OSDF_Site_Inspections

Finding Number 44



U.S. DEPARTMENT OF ENERGY GRAND JUNCTION, COLORADO	Work Performed by S.M. Stoller Corporation Under DOE Contract No. DE-LM0000415
2014 OSDF Cell Cap 1-3 Herbaceous Sample Grid	
DATE PREPARED: August 1, 2014	FILENAME: CellCap1-3_2014herb

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- OSDF points 2014
- Cell Grid
- OSDF Cell Boundaries

Implementation Monitoring 2014
Herbaceous Cover Data Summary
On-site Disposal Facility Cell 1

Total Spp.:	26	**Mean CC[a]:**	2.04
Native Spp.:	17	**Average Cover:**	97%
Non-Native Spp.:	9	**FQAI[b]:**	10.41
Percent Native:	65%		

Species	Common Name	Type	CC[a]	Frequency (species/quadrat)	Relative Frequency
Achillea millefolium	YARROW	forb	1	0.08	1%
Allium sp.	NDA[c]	forb	NDA[c]	0.08	1%
Ambrosia artemisiifolia	COMMON RAGWEED	forb	0	0.17	3%
Andropogon gerardii	BIG BLUESTEM	grass	5	1.00	15%
Aster pilosus	AWL ASTER	forb	1	0.33	5%
Baptisia australis	BLUE FALSE INDIGO	forb	6	0.08	1%
Bouteloua curtipendula	SIDE-OATS GRAMA GRASS	grass	8	0.58	9%
Echinacea purpurea	PURPLE CONEFLOWER	forb	6	0.08	1%
Elymus canadensis	CANADA WILD RYE	grass	6	0.08	1%
Erigeron annuus	DAISY FLEABANE	forb	0	0.33	5%
Eupatorium altissimum	TALL BONESET	forb	0	0.08	1%
Euphorbia sp.	NDA[c]	forb	NDA[c]	0.08	1%
Panicum virgatum	SWITCH GRASS	grass	4	0.25	4%
Ratibida pinnata	GRAY-HEADED CONEFLOWER	forb	5	0.08	1%
Rudbeckia hirta	BLACK-EYED SUSAN	forb	1	0.17	3%
Solidago canadensis	CANADA GOLDENROD	forb	1	0.42	6%
Sorghastrum nutans	INDIAN GRASS	grass	5	0.42	6%
Agrostis gigantea	**REDTOP**	grass	0	0.67	10%
Bromus japonicus	**JAPANESE BROME**	grass	0	0.58	9%
Cichorium intybus	**CHICORY**	forb	0	0.08	1%
Daucus carota	**QUEEN-ANNE'S-LACE**	forb	0	0.33	5%
Lolium perenne	**PERENNIAL RYEGRASS**	grass	0	0.17	3%
Melilotus officinalis	**YELLOW SWEET-CLOVER**	forb	0	0.17	3%
Plantago lanceolata	**ENGLISH PLANTAIN**	forb	0	0.08	1%
Stellaria media	**COMMON CHICKWEED**	forb	0	0.08	1%
Trifolium repens	**WHITE CLOVER**	forb	0	0.17	3%
		Native Species:		4.33	65%
		Non-Native Species:		2.33	35%

[a]CC= Coefficient of Conservatism
[b]FQAI= Floristic Quality Assessment Index
[c]NDA= No Determination
[d]N/A=Not Applicable
Species in bold are non-native

Implementation Monitoring 2014
Herbaceous Cover Data Summary
On-site Disposal Facility Cell 2

Total Spp.:	24	**Mean CC[a]:**	1.17
Native Spp.:	14	**Average Cover:**	97%
Non-Native Spp.:	10	**FQAI[b]:**	5.72
Percent Native:	58%		

Species	Common Name	Type	CC[a]	Frequency (species/quadrat)	Relative Frequency
Ambrosia artemisiifolia	COMMON RAGWEED	forb	0	0.58	10%
Andropogon gerardii	BIG BLUESTEM	grass	5	0.08	1%
Asclepias tuberosa	BUTTERFLY-WEED	forb	4	0.08	1%
Aster pilosus	AWL ASTER	forb	1	0.08	1%
Conyza canadensis	HORSEWEED	forb	0	0.25	4%
Elymus canadensis	CANADA WILD RYE	grass	6	0.67	11%
Erigeron annuus	DAISY FLEABANE	forb	0	0.17	3%
Eupatorium altissimum	TALL BONESET	forb	0	0.17	3%
Eupatorium serotinum	LATE-FLOWERING BONESET	forb	2	0.08	1%
Lactuca biennis	TALL BLUE LETTUCE	forb	1	0.08	1%
Monarda fistulosa	WILD BERGAMOT	forb	3	0.08	1%
Oxalis stricta	COMMON YELLOW WOOD-SORREL	forb	0	0.08	1%
Ratibida pinnata	GRAY-HEADED CONEFLOWER	forb	5	0.08	1%
Solidago canadensis	CANADA GOLDENROD	forb	1	0.58	10%
Agrostis gigantea	**REDTOP**	grass	0	1.00	17%
Bromus inermis	**HUNGARIAN BROME**	grass	0	0.42	7%
Bromus japonicus	**JAPANESE BROME**	grass	0	0.08	1%
Cirsium arvense	**CANADA THISTLE**	forb	0	0.17	3%
Daucus carota	**QUEEN-ANNE'S-LACE**	forb	0	0.25	4%
Lactuca serriola	**PRICKLY LETTUCE**	forb	0	0.25	4%
Lolium perenne	**PERENNIAL RYEGRASS**	grass	0	0.08	1%
Melilotus officinalis	**YELLOW SWEET-CLOVER**	forb	0	0.33	6%
Solanum carolinense	**HORSE NETTLE**	forb	0	0.08	1%
Trifolium pratense	**RED CLOVER**	forb	0	0.17	3%
			Native Species:	3.08	52%
			Non-Native Species:	2.83	48%

[a]CC= Coefficient of Conservatism
[b]FQAI= Floristic Quality Assessment Index
[c]NDA= No Determination
[d]N/A=Not Applicable
Species in bold are non-native

Implementation Monitoring 2014
Herbaceous Cover Data Summary
On-site Disposal Facility Cell 3

Total Spp.:	24	**Mean CC[a]:**	1.32
Native Spp.:	13	**Average Cover:**	97%
Non-Native Spp.:	11	**FQAI[b]:**	6.46
Percent Native:	54%		

Species	Common Name	Type	CC[a]	Frequency (species/quadrat)	Relative Frequency
Acalypha rhomboidea	RHOMBIC THREE-S. MERCURY	forb	0	0.17	2%
Ambrosia artemisiifolia	COMMON RAGWEED	forb	0	0.92	12%
Aster pilosus	AWL ASTER	forb	1	0.17	2%
Bouteloua curtipendula	SIDE-OATS GRAMA GRASS	grass	8	0.17	2%
Calystegia sepium	HEDGE BINDWEED	forb	1	0.17	2%
Conyza canadensis	HORSEWEED	forb	0	0.17	2%
Elymus canadensis	CANADA WILD RYE	grass	6	1.00	13%
Erigeron annuus	DAISY FLEABANE	forb	0	0.50	7%
Eupatorium maculatum	SPOTTED JOE-PYE WEED	forb	6	0.08	1%
Eupatorium serotinum	LATE-FLOWERING BONESET	forb	2	0.08	1%
Euphorbia sp.	NDA[c]	forb	NDA[c]	0.25	3%
Panicum virgatum	SWITCH GRASS	grass	4	0.08	1%
Solidago canadensis	CANADA GOLDENROD	forb	1	0.42	6%
Agrostis gigantea	**REDTOP**	grass	0	1.00	13%
Carduus nutans	**NODDING THISTLE**	forb	0	0.08	1%
Cirsium arvense	**CANADA THISTLE**	forb	0	0.17	2%
Daucus carota	**QUEEN-ANNE'S-LACE**	forb	0	0.33	4%
Lactuca serriola	**PRICKLY LETTUCE**	forb	0	0.67	9%
Melilotus officinalis	**YELLOW SWEET-CLOVER**	forb	0	0.25	3%
Polygonum convolvulus	**BLACK BINDWEED**	vine	0	0.08	1%
Rumex crispus	**CURLY DOCK**	forb	0	0.08	1%
Setaria sp.	**NDA[c]**	grass	NDA[c]	0.17	2%
Solanum carolinense	**HORSE NETTLE**	forb	0	0.17	2%
Trifolium repens	**WHITE CLOVER**	forb	0	0.33	4%
		Native Species:		4.17	56%
		Non-Native Species:		3.33	44%

[a]CC= Coefficient of Conservatism
[b]FQAI= Floristic Quality Assessment Index
[c]NDA= No Determination
[d]N/A=Not Applicable
Species in bold are non-native

On-Site Disposal Facility Inspection Report

September 2014

U.S. DEPARTMENT OF ENERGY

Legacy Management

East Face Cell 1

West Face Cell 1

North Face Cell 1

North Drainage (looking west)

East Face Cell 2

West Face Cell 2

East Face Cell 3

West Face Cell 3

East Face Cell 4

West Face Cell 4

East Face Cell 5

West Face Cell 5

East Face Cell 6

West Face Cell 6

East Face Cell 7

West Face Cell 7

East Face Cell 8

West Face Cell 8

South Face Cell 8

South Drainage (looking west)

East Drainage Cell 7 (looking south)

East Drainage Cell 4 (looking south)

East Drainage Cell 1 (looking south)

West Inner Drainage Cell 7 (looking south)

West Inner Drainage Cell 4 (looking south)

West Inner Drainage Cell 1 (looking south)

West Outer Drainage Cell 1 (looking south)

West Outer Drainage Cell 8 (looking south)

West Outer Drainage Cell 8 (looking north)