



Department of Energy
Washington, DC 20585

June 26, 2018

Mr. David Seely
U.S. Environmental Protection Agency
Region 5 (SR-6J)
77 W. Jackson Blvd.
Chicago, IL 60604-3590

Ms. Laura Hafer
Ohio Environmental Protection Agency
401 East 5th Street
Dayton, Ohio 45402

Dear Mr. Seely and Ms. Hafer:

Subject: Transmittal of the June 2018 Fernald Quarterly Inspection Report

This letter is the June 2018 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* (State of Ohio 2008). The inspections confirm that the activity and use limitations for the Fernald Preserve remain in place and are being complied with.

This June inspection report includes results from two On-Site Disposal Facility (OSDF) inspections. The first was conducted on April 10 and was a walk-down of cell caps 1, 2, and 3 following a prescribed burn of those three caps. The second was the regularly scheduled quarterly OSDF inspection conducted on June 6. This report also includes results from the site inspection conducted from June 11 through June 14. As stated in the 2018 LMICP, site inspections consist of two components: point-specific institutional control (PSIC) inspections and field walk-downs. All field walk-downs are scheduled during the dormant vegetation months of November through April. Results included in this report are for the following inspections:

INSPECTION TYPE	DATE	PARTICIPANTS
OSDF Inspection	April 10, 2018	Ohio EPA and Navarro
PSIC Inspection	June 11 – 14, 2018	Navarro
OSDF Inspection	June 6, 2018	Department of Energy, Ohio EPA, and Navarro

Findings from the PSIC inspection are recorded on the enclosed *Fernald Preserve Institutional Control Inspection* (LMS 3047FER) form. Findings from the OSDF inspections are recorded on the attached *Fernald Preserve OSDF Walk-down Inspection Summary* for each inspection and on the associated maps (Figures 1 and 2). Photographs of the OSDF and the surrounding area



accompany the June 2018 OSDF inspection and are also included. Photographs of individual findings are sometimes taken with global positioning system (GPS) enabled cameras. This allows for easier location of the findings for correction or maintenance. When GPS enabled cameras are used, the photograph files are listed on the walk-down inspection summaries. The photographs are available upon request.

Findings from Site Inspections

PSICs were inspected on June 11–14. There is a significant buildup of vegetation, including cattails, tree branches, and grasses, inside the south end of the main drainage corridor 60-inch culvert. This vegetation buildup will be removed. There is a buildup of mud and vegetation outside the north end; however, water continues to flow into the culvert. The original grating remains in place and is functional at the south end. The grating at the north end is separating from the concrete, and the concrete on the end of the culvert has begun to deteriorate. The grating is still sufficient to prevent access to the culvert.

The site outfall line to the Great Miami River was also inspected, pursuant to the LMICP. No issues were observed. The erosion repairs on the slope, conducted by the gravel quarry operator, appear to be holding. Visual inspection of the outfall line will continue to be included as part of quarterly PSIC inspections in 2018.

DOE is committed to providing quarterly summary numbers regarding debris findings. Thirty (30) pieces of debris were surveyed since the last inspection report (March 2108). Two pieces of concrete from the former waste pits area had fixed contamination. All debris was properly disposed. Surveyed debris is a combination of debris from inspection follow-up, discoveries during construction activities, and casual observation while in the field.

Findings from OSDF Inspection

The OSDF prescribed burn follow-up inspection of cell caps 1, 2 and 3 took place on April 10 (Figure 1). The inspection included a walk-over of all three cell caps with participation by Ohio EPA and Navarro. Findings primarily included numerous rocks exceeding the 4-inch diameter size limit, noxious weeds and several debris findings. Inspecting the caps following a burn allows for a more thorough inspection of the cap, as all vegetation and thatch have been removed. Findings such as debris, animal burrows, erosion, and rocks, are more visible and easier to identify. Under normal circumstances, the vegetation on the cap obstructs the view of the cap surface.

The June 2018 quarterly OSDF inspection took place on June 6, with participation by the Department of Energy, Navarro, and the Ohio EPA. The inspection included a walk-down of the OSDF toe, drainages, and fence line. Findings primarily included woody and invasive herbaceous vegetation, both on the toe and in the drainages. Herbicide and/or physical removal will be used to clear the unwanted vegetation. Broken couplers were identified at one location on the perimeter chain link fence. The integrity of the fence is not compromised, but the couplers will be repaired or replaced.

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

The remaining 2018 inspection schedule is as follows:

DATE	INSPECTION TYPE	REPORT DATE
September 7, 2018	OSDF Toe, PSIC	September 27, 2018
December 5, 2018	OSDF, West Quadrant, PSIC	January 2019

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

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

Sincerely,



Susan Smiley
Fernald Preserve Site Manager
DOE-LM-20.2

Enclosure

cc w/enclosure:
M. Rubadue, ODH
L. Hafer, OEPA (two copies of enclosure)
Project Record File FER 115.02.05(A) (thru M. Korte)

cc w/o enclosure:
(electronic)
G. Hooten, DOE-LM
T. Smith Taylor, DOE-LM
B. Zimmerman, DOE-LM
B. Hertel, Navarro
J. Homer, Navarro
L. McHenry, Navarro

Fernald Preserve Institutional Control Inspection

Date June 2018 Inspector Navarro Area Institutional Controls

Institutional Control	Type of Finding (See Definitions Page)				Description	Photo? (File No.)	Follow Up		
	Signage	Barrier	Groundskeeping	Other			Corrected	Maintenance Req'd	Cont. Observation
Access Points									
South Access					NO FINDINGS				
North Access					NO FINDINGS				
Eco Park					NO FINDINGS				
Forest Demo					NO FINDINGS				
Perimeter Authorized Vehicle Access									
					NO FINDINGS				
Perimeter Signage									
S6, S13, S51	X				Signs need vegetation cleared			X	
Fencing									
CAWWT					NO FINDINGS				
OSDF					NO FINDINGS				
Utility					NO FINDINGS				
Trestle				X	West gate is overgrown with vegetation			X	
Interior Authorized Vehicle Access									
					NO FINDINGS				
Buildings and Structures									
Communication Building					NO FINDINGS				
Dissolved Oxygen Building					NO FINDINGS				
Restoration Storage Shed					NO FINDINGS				
Other IC									
60-Inch Culvert				X	Vegetation buildup inside the south grate			X	
Uncertified Areas					NO FINDINGS				
Roads and Parking Areas					NO FINDINGS				
Trails and Overlooks					NO FINDINGS				

Fernald Preserve Institutional Control Inspection (continued)

Date June 2018 Inspector Navarro Area Institutional Controls

Additional Notes

A visual inspection of the outfall line was conducted as part of the quarterly point-specific IC inspections. No findings were identified.

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Fernald Preserve OSDF Walkdown Inspection Summary

Beginning: 04/10/2018

Ending: 04/10/2018

Area(s): Cell Caps 1, 2 and 3

Inspector(s): Ohio EPA and Navarro

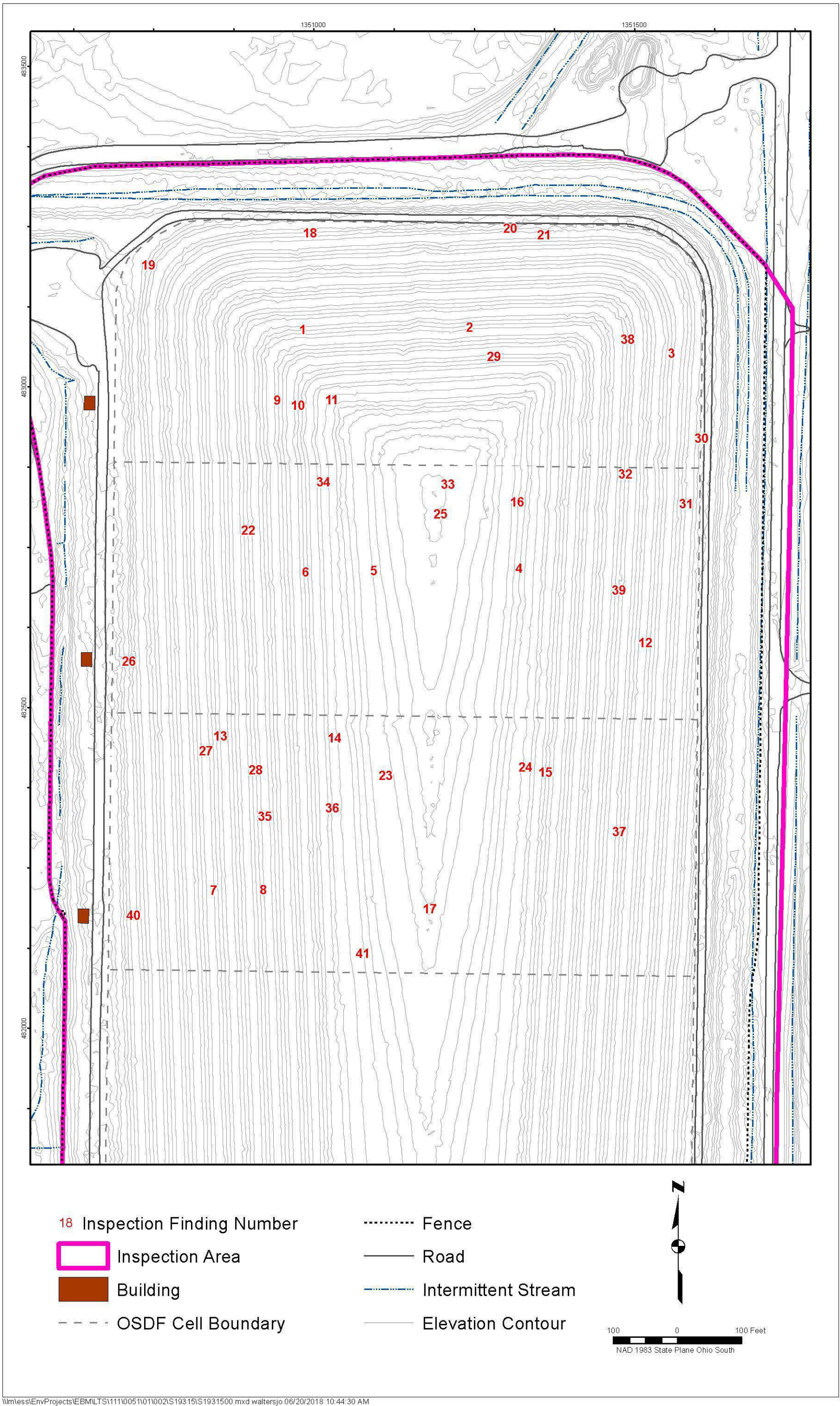
Map No.	Location	GPS?	Type of Finding	Description	Photo
1	Cell 1, west 6:1	Yes	Rock	Rock	04102018_42_01
2	Cell 1, top	Yes	Rock	Several rocks	04102018_42_02
3	Cell 1, east 6:1	Yes	Rock	Rock	04102018_42_03
4	Cell 2, east 6:1	Yes	Rock	Rock	04102018_42_04
5	Cell 2	Yes	Debris	Brick	04102018_42_05
6	Cell 2, west 6:1	No	Debris	Concrete	
7	Cell 3, west 6:1	Yes	Debris	Metal	04102018_42_06
8	Cell 3, west 6:1	Yes	Rock	Rock	04102018_42_07
9	Cell 1, west 6:1	Yes	Debris	Tile	04102018_44_01
10	Cell 1, west 6:1	Yes	Biointrusion	Animal burrow	04102018_44_02
11	Cell 1, top northwest 6:1	Yes	Other	Damage to abandoned monitoring infrastructure	04102018_44_03
12	Cell 2, east 6:1	Yes	Rock	Rock	04102018_44_04
13	Cell 3, west 6:1	Yes	Rock	Rock	04102018_44_05
14	Cell 3, top west 6:1	Yes	Rock	Rock	04102018_44_06

Map No.	Location	GPS?	Type of Finding	Description	Photo
15	Cell 3, east 6:1	Yes	Debris	Tile	04102018_44_07
16	Cell 2, east 6:1 near top	No	Vegetation	Canada thistle	
17	Cell 3, top south	No	Vegetation	Canada thistle	
18	Cell 1, north toe	No	Vegetation	Pear tree	
19	Cell 1, northwest corner	No	Structure	Corner survey marker is damaged	
20	Cell 1, north toe	Yes	Vegetation	Cedar trees (2)	04102018_41_01
21	Cell 1, north toe	Yes	Rock	Rock	04102018_41_02
22	Cell 2, west 6:1	Yes	Vegetation	Tree	04102018_41_04
23	Cell 3, top west 6:1	Yes	Vegetation	Grapevine	04102018_41_07
24	Cell 3, east top	Yes	Rock	Rock	04102018_41_08
25	Cell 2, top	Yes	Vegetation	Mulberry	04102018_41_03
26	Cell 2, west toe	Yes	Vegetation	Pear tree	04102018_41_05
27	Cell 3, west 6:1	Yes	Erosion	Erosion	04102018_41_06
28	Cell 3, west 6:1	No	Vegetation	Pear tree	
29	Cell 1, north 6:1	Yes	Rock	Rock	04102018_40_01
30	Cell 1, east toe	Yes	Debris	Wire	04102018_40_03
31	Cell 2, east toe	Yes	Settlement	Holes, possible soil settling	04102018_40_05
32	Cell 2, east 6:1	Yes	Biointrusion	Animal burrow	04102018_40_06
33	Cell 2, top	Yes	Vegetation	Shrub	04102018_40_07

Map No.	Location	GPS?	Type of Finding	Description	Photo
34	Cell 2, west 6:1 top	Yes	Debris	Asphalt	04102018_40_08
35	Cell 3, west 6:1	Yes	Rock	Rock (2)	04102018_40_09
36	Cell 3, west 6:1 top	Yes	Rock	Rock	04102018_40_10
37	Cell 3, east 6:1	Yes	Biointrusion	Animal burrow and tile	04102018_40_11
38	Cell 1, east 6:1	No	Debris	Concrete	
39	Cell 2, east 6:1	No	Debris	Glazed tile	
40	Cell 3, west toe across from valve house	No	Erosion	Erosion in several places at an along rip rap, 6" deep	
41	Cell 3, west 6:1, near top	No	Rock	Rocks	

Additional Notes

Cell Caps 1, 2 and 3 were burned on March 2018. This inspection was a post-burn walk-down.



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Figure 1. April 10, 2018 OSDF Cells 1, 2, and 3, Post Burn Inspection

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Fernald Preserve OSDF Walkdown Inspection Summary

Beginning: 06/06/2018

Ending: 06/06/2018

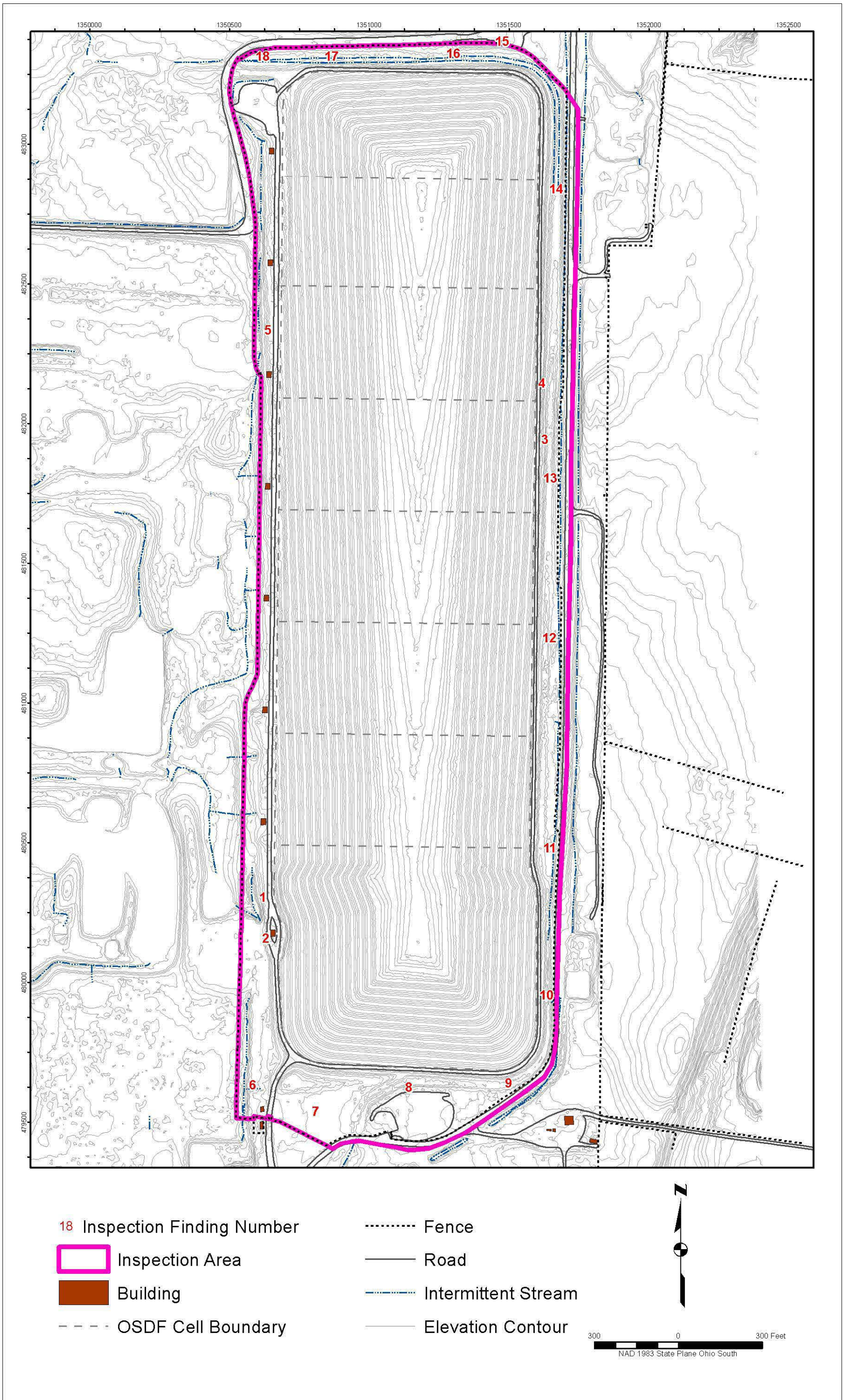
Area(s): OSDF Toe, Drainages and Fence line

Inspector(s): DOE, Ohio EPA and Navarro

Map No.	Location	GPS?	Type of Finding	Description	Photo
1	Cell 8, outer west drainage	Yes	Vegetation	Several trees need removed	06062018_41_01
2	Cell 8, outer west drainage, behind VH 8	Yes	Vegetation	Cedar trees	06062018_41_02
3	Cell 4, east drainage	Yes	Vegetation	Willow	06062018_40_01
4	Cell 3/4 boundary, east drainage	Yes	Vegetation	Ash tree	06062018_40_02
5	Cell 3, outer west drainage, between VH 2 and VH 3	No	Vegetation	Teasel and musk thistle	
6	Cell 8, outer west drainage, southwest corner	No	Vegetation	Trees in drainage, thistle on banks	
7	Cell 8, south prairie field east of gate and along fence	No	Vegetation	Woody vegetation and teasel	
8	Cell 8, south drainage, south side	No	Vegetation	Thistle and woody vegetation	
9	Cell 8, south drain, southeast corner	No	Vegetation	Teasel	
10	Cell 8, east drainage	No	Vegetation	Woody vegetation	
11	Cell 7/8 boundary, east drainage along fence	No	Vegetation	Woody vegetation and teasel	
12	Cell 6, east drainage, along fence	No	Vegetation	Woody vegetation and teasel	

Map No.	Location	GPS?	Type of Finding	Description	Photo
13	Cell 4, east drainage, along fence	No	Vegetation	Musk thistle	
14	Cell 2, east drainage, in cattails	No	Vegetation	Willow	
15	North fence line	Yes	Fencing	Couplers broken from fence	06062018_43_01; 06062018_43_02
16	Cell 1, north drain, along fence	No	Vegetation	Teasel and thistle	
17	Cell 1, north drainage	No	Vegetation	Woody vegetation	
18	Cell 1, north drainage, northwest corner	No	Vegetation	Teasel	

Additional Notes



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Figure 2. OSDF June 2018 Inspection

FERNALD PRESERVE

On-Site Disposal Facility Inspection Photographs

JUNE 2018



**U.S. DEPARTMENT OF
ENERGY**

Legacy
Management



IMGP6786

East Face Cell 1



IMGP6790

West Face Cell 1



IMGP6788

North Face Cell 1



IMGP6787

North Drainage (looking west)



IMGP6784

East Face Cell 2



IMGP6791

West Face Cell 2



IMGP6783

East Face Cell 3



IMGP6792

West Face Cell 3



IMGP6781

East Face Cell 4



IMGP6793

West Face Cell 4



IMGP6780

East Face Cell 5



IMGP6794

West Face Cell 5



IMGP6779

East Face Cell 6



IMGP6795

West Face Cell 6



IMGP6777

East Face Cell 7



IMGP6796

West Face Cell 7



IMGP6776

East Face Cell 8



IMGP6797

West Face Cell 8



IMGP6774

South Face Cell 8



IMGP6775

South Drainage (looking west)



IMGP6778

East Drainage Cell 7 (looking south)



IMGP6782

East Drainage Cell 4 (looking south)



IMGP6785

East Drainage Cell 1 (looking south)



IMGP6771

West Inner Drainage Cell 7 (looking south)



IMGP6770

West Inner Drainage Cell 4 (looking south)



IMGP6789

West Inner Drainage Cell 1 (looking south)



IMGP6769

West Outer Drainage Cell 1 (looking south)



IMGP6773

West Outer Drainage Cell 8 (looking south)



IMGP6772

West Outer Drainage Cell 8 (looking north)

FERNALD PRESERVE MAINTENANCE AND REPAIR ACTION ITEMS SUMMARY
JUNE 2018 UPDATE

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
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
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
1468	Drainage area	No	Garlic mustard	6/5/2012	June 2012 quarterly field walkdown	26			
1739	East bank Paddys Run	No	Multiflora rose	6/6/2013	June 2013 quarterly field walkdown	52			
1774	Hill along State Route 126	No	Teasel and honeysuckle	9/4/2013	September 2013 quarterly field walkdown	3			Large-scale woody invasives are addressed on a prioritized schedule
1781	Hill along State Route 126	No	Honeysuckle	9/4/2013	September 2013 quarterly field walkdown	10			Large-scale woody invasives are addressed on a prioritized schedule
1788	WM1 W4 between pond and swale	No	Honeysuckle	9/4/2013	September 2013 quarterly field walkdown	17			
2232	East and north of service road, northwest of WM2	No	Pear tree	12/4/2014	December 2014 quarterly field walkdown	2			
2235	West of north/south section of Hickory Trail	No	Autumn olive	12/4/2014	December 2014 quarterly field walkdown	5			
2346	W4 swale	No	Honeysuckle	3/12/2015	March 2015 quarterly field walkdown	2			Large-scale woody invasives are addressed on a prioritized schedule
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			

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
2615	Cell 3, east slope	No	Erosion/burrow	12/2/2015	December 2015 OSDF Inspection	106			
2659	At base of hill on west side	No	Old cages	12/8/2015	December 2015 quarterly field walkdown	6			
2695	Pit 3	No	Posts and wire fence need removed (tree cages)	1/28/2016	January 2016 quarterly field walkdown	25			
2712	Slope east of drainage that flows north from off site	No	Old deer cages need removed	2/23/2016	February 2016 quarterly field walkdown	12			
2735	North of the pines just east of north access road	No	Old cages	3/2/2016	March 2016 quarterly field walkdown	2			
2818	Cell 3, west toe	No	Sandy dirt pile	9/6/2016	September 2016 OSDF Inspection	17			
2867	West side of fence	No	Hole in deer fence	12/7/2016	December 2016 quarterly field walkdown	13			
2871	Cell 4, west face	Yes	Rock	12/1/2016	December 2016 OSDF Inspection	1			Camera L14641
2893	Rip rap repair	No	Side blow out	1/11/2017	January 2017 quarterly field walkdown	1			
2907	30 yards north of Swan Pond	No	Old cages need removed	1/11/2017	January 2017 quarterly field walkdown	15			
2912	East bank of drainage/side drainage off top of hill	No	Cut through core matting	1/11/2017	January 2017 quarterly field walkdown	20			
2914	South bank of Swan Pond	No	Cages and t-posts	1/11/2017	January 2017 quarterly field walkdown	22			

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
2922	Area not identified on map	No	Large bare area	1/11/2017	January 2017 quarterly field walkdown	30			
2923	East of small basin to the east of Swan Pond	No	Erosion	1/11/2017	January 2017 quarterly field walkdown	31			
2935	North of Angel Pond	No	Deer cage	1/11/2017	January 2017 quarterly field walkdown	43			
2939	North of pond	No	T-post	1/11/2017	January 2017 quarterly field walkdown	47			
2943	North of east/west drain	No	T-posts	1/11/2017	January 2017 quarterly field walkdown	51			
2953	East side of drain and up the hill	No	Old cages and t-posts	2/8/2017	February 2017 quarterly field walkdown	9			
2956	West of concrete wall	Yes	Exposed concrete and erosion	2/8/2017	February 2017 quarterly field walkdown	12			The concrete is from a beneficial reuse of concrete in this area; erosion repair is needed
2958	South of 'dance hall'	No	Broken survey marker	2/8/2017	February 2017 quarterly field walkdown	14			
2962	Along trail, both sides	No	Deer cages	2/8/2017	February 2017 quarterly field walkdown	18			
2963	Among the trees at the south edge of the field	No	Deer cages	2/8/2017	February 2017 quarterly field walkdown	19			
2964	Pines west of CAWWT	No	Deer cages	2/8/2017	February 2017 quarterly field walkdown	20			
2965	South of trail	No	Cages	2/8/2017	February 2017 quarterly field walkdown	21			

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
2966	South of south end of trail	No	Deer cages	2/8/2017	February 2017 quarterly field walkdown	22			
2967	West of 'dance hall'	No	Deer cages	2/8/2017	February 2017 quarterly field walkdown	23			
2970	Just inside pines on east side	No	Deer cages	3/2/2017	March 2017 quarterly field walkdown	2			
2971	Edge of pines along southeast corner of deer fence	No	Tree on fence	3/2/2017	March 2017 quarterly field walkdown	3			
2972	South edge of deer fence	No	Hole in fence	3/2/2017	March 2017 quarterly field walkdown	4			
2973	West end of deer fence	No	Hole in fence	3/2/2017	March 2017 quarterly field walkdown	5			
2974	Edge of pond	Yes	Deer cages need to be pulled	3/2/2017	March 2017 quarterly field walkdown	6			
2977	South berm of NPPW5	Yes	Water level 1 foot lower in basin	3/2/2017	March 2017 quarterly field walkdown	9			
2988	Cell 8, middle of west slope	No	Appears animal was digging for rodents	3/29/2017	March 2017 OSDF Inspection	4			This inspection was a walk-down of Cell Caps 7 and 8 following a prescribed burn on March 9, 2017
2998	Cell 7, west slope near top	Yes	Animal burrow	3/29/2017	March 2017 OSDF Inspection	14			This inspection was a walk-down of Cell Caps 7 and 8 following a prescribed burn on March 9, 2017
3000	Cell 8, gravel roadway along south face	No	The gravel road is developing an erosion rill, washing gravel into south drainage	6/7/2017	June 2017 OSDF Inspection	2			
3058	Top of the hill	Yes	Survey marker is at this location; unknown why it is here	12/7/2017	December 2017 quarterly field walkdown	1			

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
3059	Southeast side of deer fence	Yes	Hole in deer fence	12/7/2017	December 2017 quarterly field walkdown	2			
3060	Southeast side of deer fence	Yes	Holes (2) in deer fence and fence collapsed	12/7/2017	December 2017 quarterly field walkdown	3			
3061	North end of deer fence	Yes	Post is unattached	12/7/2017	December 2017 quarterly field walkdown	4			
3062	North end of deer fence	Yes	Hole in fence	12/7/2017	December 2017 quarterly field walkdown	5			
3063	South end of flood plain along Paddys Run	Yes	Metal posts and cages at trees	12/7/2017	December 2017 quarterly field walkdown	6			
3065	Along north boundary fence and creek	No	Tree tubes need removed	12/7/2017	December 2017 quarterly field walkdown	8			
3066	West end of railroad trestle	Yes	Concrete	12/7/2017	December 2017 quarterly field walkdown	9			
3067	Bank of creek	Yes	Post on ground; signs on ground	12/7/2017	December 2017 quarterly field walkdown	10			
3068	East of deer fence	Yes	Old cages need removed	12/7/2017	December 2017 quarterly field walkdown	11			
3069	North side of west end of W2	Yes	Deer cages need removed	12/7/2017	December 2017 quarterly field walkdown	12			
3070	Area of former deer fence	No	Deer fencing laying on ground and needs removed	12/7/2017	December 2017 quarterly field walkdown	13			This deer fence was removed; some material was left behind
3071	North end of flood plain	Yes	Metal posts at several trees need removed	12/7/2017	December 2017 quarterly field walkdown	14			

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
3072	Along Paddys Run Rd	Yes	Deer cages need removed	12/7/2017	December 2017 quarterly field walkdown	15			
3073	Cell 7, west slope	Yes	Animal burrow	12/14/2017	December 2017 OSDF Inspection	1			
3074	Cell 5, west top	Yes	Honeysuckle	12/14/2017	December 2017 OSDF Inspection	2			
3080	Interior access point VV on Lodge Pond trail loop	No	Hardware on rope barrier needs replaced	12/8/2017	December 2017 point-specific institutional controls inspection	NA			
3082	North end of 60" culvert	No	Vegetation buildup; appears metal grate is detaching from concrete	12/8/2017	December 2017 point-specific institutional controls inspection	NA			Water is flowing freely
3083	South end of 60" culvert	No	Vegetation buildup on inside of grate	12/8/2017	December 2017 point-specific institutional controls inspection	NA			Water is flowing freely
3084	West gate of former railroad trestle	No	Gate is overgrown with vegetation	12/8/2017	December 2017 point-specific institutional controls inspection	NA			
3085	Northeast of Swan pond	Yes	Wash out between ponds	1/10/2018	January 2018 quarterly field walkdown	1			
3092	In depression east of pond and west of Hickory trail	No	Large teasel patch	1/10/2018	January 2018 quarterly field walkdown	8			
3099	West of sampling road, at bottom of slope	Yes	Tree cages (need removed)	1/10/2018	January 2018 quarterly field walkdown	15			
3101	Around water and east toward Hickory trail	No	Teasel rosettes	1/10/2018	January 2018 quarterly field walkdown	17			
3102	In and along edge of water at west end of Angel pond	No	Tree cages (need removed)	1/10/2018	January 2018 quarterly field walkdown	18			

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
3103	East edge of basin just south of CAWWT	No	Water coming into an area, causing a 4-foot bare area and erosion	1/10/2018	January 2018 quarterly field walkdown	19			
3111	Bank over creek	No	Tree cages (need removed)	2/13/2018	February 2018 quarterly field walkdown	4			
3112	Behind "bone yard"	No	Tree cages (need removed)	2/13/2018	February 2018 quarterly field walkdown	5			
3113	East side of deer fence	Yes	Break in deer fence	2/13/2018	February 2018 quarterly field walkdown	6			
3114	East of well house	Yes	Styrofoam pieces	2/13/2018	February 2018 quarterly field walkdown	7			
3115	Road down into SSOD	No	Tree across access	2/13/2018	February 2018 quarterly field walkdown	8			
3116	Paddys Run	Yes	Concrete	2/13/2018	February 2018 quarterly field walkdown	9			Very large. Need equipment to remove.
3117	South of parking lot	No	Teasel	2/13/2018	February 2018 quarterly field walkdown	10			
3118	South of glacial erratic and Shingle Oak trail	No	Teasel	2/13/2018	February 2018 quarterly field walkdown	11			
3119	South of pines, north of Sycamore trail above SWU	No	Teasel	2/13/2018	February 2018 quarterly field walkdown	12			
3120	East bank of boardwalk pond	No	Teasel	2/13/2018	February 2018 quarterly field walkdown	13			
3123	North side of fence	Yes	Deer fence ripped and sagging	2/13/2018	February 2018 quarterly field walkdown	16			

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
3124	Southeast side of deer fence	Yes	Deer fence sagging	2/13/2018	February 2018 quarterly field walkdown	17			
3125	Near well house that is northeast of electric-substation	No	Teasel	2/13/2018	February 2018 quarterly field walkdown	18			
3128	North of pond	No	Tree cages and metal posts (need removed)	3/6/2018	March 2018 quarterly field walkdown	2			
3129	Property line	No	Metal posts from old power lines	3/6/2018	March 2018 quarterly field walkdown	3			
3130	Property line at basin 3	No	Wildlife camera mounted on fence post	3/6/2018	March 2018 quarterly field walkdown	4			
3132	Basin 8, north of gravel access	No	Teasel	3/6/2018	March 2018 quarterly field walkdown	6			
3134	Basin 6	No	Hole	3/6/2018	March 2018 quarterly field walkdown	8			
3136	Cell 1, north drainage	Yes	Willow in cattails	3/6/2018	March 2018 OSDF Inspection	1			
3139	Cell 2, east drainage	Yes	Willows in cattails	3/6/2018	March 2018 OSDF Inspection	4			
3141	Cell 5, east drainage	No	Cedar and honeylocust	3/6/2018	March 2018 OSDF Inspection	6			
3142	Cell 8, south fenceline	Yes	Pear tree	3/6/2018	March 2018 OSDF Inspection	7			
3143	Cell 8, southwest drainage	Yes	Woody vegetation	3/6/2018	March 2018 OSDF Inspection	8			

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
3146	Cell 1, west fence behind VH1	Yes	Cedar	3/6/2018	March 2018 OSDF Inspection	11			
3147	Cell 4, east toe	Yes	Several cedar trees	3/6/2018	March 2018 OSDF Inspection	12			
3149	Cell 1, west 6:1	Yes	Rock	4/10/2018	April 2018 OSDF Inspection	1	Removed rock	5/15/2018	
3150	Cell 1, top	Yes	Several rocks	4/10/2018	April 2018 OSDF Inspection	2	Removed rocks	5/15/2018	
3151	Cell 1, east 6:1	Yes	Rock	4/10/2018	April 2018 OSDF Inspection	3	Removed rock	5/15/2018	
3152	Cell 2, east 6:1	Yes	Rock	4/10/2018	April 2018 OSDF Inspection	4	Removed rock	5/15/2018	
3153	Cell 2	Yes	Brick	4/10/2018	April 2018 OSDF Inspection	5	Free released and disposed	5/9/2018	
3154	Cell 2, west 6:1	No	Concrete	4/10/2018	April 2018 OSDF Inspection	6	Free released and disposed	5/9/2018	
3155	Cell 3, west 6:1	Yes	Metal	4/10/2018	April 2018 OSDF Inspection	7	Free released and disposed	5/9/2018	
3156	Cell 3, west 6:1	Yes	Rock	4/10/2018	April 2018 OSDF Inspection	8	Removed rock	5/15/2018	
3157	Cell 1, west 6:1	Yes	Tile	4/10/2018	April 2018 OSDF Inspection	9	Free released and disposed	5/9/2018	
3158	Cell 1, west 6:1	Yes	Animal burrow	4/10/2018	April 2018 OSDF Inspection	10			

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
3159	Cell 1, top northwest 6:1	Yes	Damage to abandoned monitoring infrastructure	4/10/2018	April 2018 OSDF Inspection	11			
3160	Cell 2, east 6:1	Yes	Rock	4/10/2018	April 2018 OSDF Inspection	12	Removed rock, refilled hole	5/15/2018	
3161	Cell 3, west 6:1	Yes	Rock	4/10/2018	April 2018 OSDF Inspection	13	Removed rock	5/15/2018	
3162	Cell 3, top west 6:1	Yes	Rock	4/10/2018	April 2018 OSDF Inspection	14	Removed rock	5/15/2018	
3163	Cell 3, east 6:1	Yes	Tile	4/10/2018	April 2018 OSDF Inspection	15	Free released and disposed	5/9/2018	
3164	Cell 2, east 6:1 near top	No	Canada thistle	4/10/2018	April 2018 OSDF Inspection	16			
3165	Cell 3, top south	No	Canada thistle	4/10/2018	April 2018 OSDF Inspection	17			
3166	Cell 1, north toe	No	Pear tree	4/10/2018	April 2018 OSDF Inspection	18	Prescribed burn and herbicide applied	4/19/2018	
3167	Cell 1, northwest corner	No	Corner survey marker is damaged	4/10/2018	April 2018 OSDF Inspection	19			
3168	Cell 1, north toe	Yes	Cedar trees (2)	4/10/2018	April 2018 OSDF Inspection	20	Prescribed burn and herbicide applied	4/19/2018	
3169	Cell 1, north toe	Yes	Rock	4/10/2018	April 2018 OSDF Inspection	21	Removed rock	5/15/2018	
3170	Cell 2, west 6:1	Yes	Tree	4/10/2018	April 2018 OSDF Inspection	22	Prescribed burn and herbicide applied	4/18/2018	

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
3171	Cell 3, top west 6:1	Yes	Grapevine	4/10/2018	April 2018 OSDF Inspection	23	Prescribed burn and herbicide applied	4/17/2018	
3172	Cell 3, east top	Yes	Rock	4/10/2018	April 2018 OSDF Inspection	24	Removed rock, refilled hole	5/15/2018	
3173	Cell 2, top	Yes	Mulberry	4/10/2018	April 2018 OSDF Inspection	25	Prescribed burn and herbicide applied	4/17/2018	
3174	Cell 2, west toe	Yes	Pear tree	4/10/2018	April 2018 OSDF Inspection	26	Prescribed burn and herbicide applied	4/18/2018	
3175	Cell 3, west 6:1	Yes	Erosion	4/10/2018	April 2018 OSDF Inspection	27	Seed drill cut across rills	5/15/2018	
3176	Cell 3, west 6:1	No	Pear tree	4/10/2018	April 2018 OSDF Inspection	28	Prescribed burn and herbicide applied	4/18/2018	
3177	Cell 1, north 6:1	Yes	Rock	4/10/2018	April 2018 OSDF Inspection	29	Removed rock, refilled hole	5/15/2018	
3178	Cell 1, east toe	Yes	Wire	4/10/2018	April 2018 OSDF Inspection	30			
3179	Cell 2, east toe	Yes	Holes, possible soil settling	4/10/2018	April 2018 OSDF Inspection	31			
3180	Cell 2, east 6:1	Yes	Animal burrow	4/10/2018	April 2018 OSDF Inspection	32	Filled animal burrow	5/15/2018	
3181	Cell 2, top	Yes	Shrub	4/10/2018	April 2018 OSDF Inspection	33	Prescribed burn and herbicide applied	4/17/2018	
3182	Cell 2, west 6:1 top	Yes	Asphalt	4/10/2018	April 2018 OSDF Inspection	34	Free released and disposed	5/9/2018	

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
3183	Cell 3, west 6:1	Yes	Rock (2)	4/10/2018	April 2018 OSDF Inspection	35	Removed rocks	5/15/2018	
3184	Cell 3, west 6:1 top	Yes	Rock	4/10/2018	April 2018 OSDF Inspection	36	Removed rock	5/15/2018	
3185	Cell 3, east 6:1	Yes	Animal burrow and tile	4/10/2018	April 2018 OSDF Inspection	37	Free released and disposed	5/9/2018	
3186	Cell 1, east 6:1	No	Concrete	4/10/2018	April 2018 OSDF Inspection	38	Free released and disposed	5/9/2018	
3187	Cell 2, east 6:1	No	Glazed tile	4/10/2018	April 2018 OSDF Inspection	39	Free released and disposed	5/9/2018	
3188	Cell 3, west toe across from valve house	No	Erosion in several places at an along rip rap, 6" deep	4/10/2018	April 2018 OSDF Inspection	40			
3189	Cell 3, west 6:1, near top	No	Rocks	4/10/2018	April 2018 OSDF Inspection	41	Removed rocks	5/15/2018	
3190	Cell 8, outer west drainage	Yes	Several trees need removed	6/6/2018	June 2018 OSDF Inspection	1	Vegetation mowed	6/12/2018	
3191	Cell 8, outer west drainage, behind VH 8	Yes	Cedar trees	6/6/2018	June 2018 OSDF Inspection	2	Vegetation mowed	6/12/2018	
3192	Cell 4, east drainage	Yes	Willow	6/6/2018	June 2018 OSDF Inspection	3			
3193	Cell 3/4 boundary, east drainage	Yes	Ash tree	6/6/2018	June 2018 OSDF Inspection	4			
3194	Cell 3, outer west drainage, between VH 2 and VH 3	No	Teasel and musk thistle	6/6/2018	June 2018 OSDF Inspection	5	Vegetation mowed	6/12/2018	

No.	Location	GPS?	Maintenance Item Identified	Date Identified	Origin of Finding	Inspection Finding No.	Resolution	Date of Resolution	Comments
3195	Cell 8, outer west drainage, southwest corner	No	Trees in drainage, thistle on banks	6/6/2018	June 2018 OSDF Inspection	6			
3196	Cell 8, south prairie field east of gate and along fence	No	Woody vegetation and teasel	6/6/2018	June 2018 OSDF Inspection	7	Vegetation mowed	6/12/2018	
3197	Cell 8, south drainage, south side	No	Thistle and woody vegetation	6/6/2018	June 2018 OSDF Inspection	8			
3198	Cell 8, south drain, southeast corner	No	Teasel	6/6/2018	June 2018 OSDF Inspection	9			
3199	Cell 8, east drainage	No	Woody vegetation	6/6/2018	June 2018 OSDF Inspection	10			
3200	Cell 7/8 boundary, east drainage along fence	No	Woody vegetation and teasel	6/6/2018	June 2018 OSDF Inspection	11			
3201	Cell 6, east drainage, along fence	No	Woody vegetation and teasel	6/6/2018	June 2018 OSDF Inspection	12			
3202	Cell 4, east drainage, along fence	No	Musk thistle	6/6/2018	June 2018 OSDF Inspection	13			
3203	Cell 2, east drainage, in cattails	No	Willow	6/6/2018	June 2018 OSDF Inspection	14			
3204	North fence line	Yes	Couplers broken from fence	6/6/2018	June 2018 OSDF Inspection	15			
3205	Cell 1, north drain, along fence	No	Teasel and thistle	6/6/2018	June 2018 OSDF Inspection	16			
3206	Cell 1, north drainage	No	Woody vegetation	6/6/2018	June 2018 OSDF Inspection	17			

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3207	Cell 1, north drainage, northwest corner	No	Teasel	6/6/2018	June 2018 OSDF Inspection	18			
3208	Perimeter signs S6, S13, S51	No	Vegetation needs cleared	6/12/2018	June 2018 point-specific institutional controls inspection	NA			
3209	Former railroad trestle	No	West gate overgrown with vegetation	6/14/2018	June 2018 point-specific institutional controls inspection	NA			
3210	South end of 60" culvert	No	Vegetation buildup inside south grate	6/12/2018	June 2018 point-specific institutional controls inspection	NA			