



## Department of Energy

Washington, DC 20585

September 27, 2012

Mr. Timothy Fischer  
U.S. Environmental Protection Agency  
Region V-SRF-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. Fischer and Mr. Schneider:

**SUBJECT: Transmittal of the September 2012 Fernald Preserve On-Site Disposal Facility Inspection Forms**

The purpose of this letter is to transmit the completed forms for the September 2012 inspection of the On-Site Disposal Facility (OSDF). The inspection was conducted on September 11, 2012. 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 and the Ohio Department of Health.

The *Fernald Preserve Comprehensive Legacy Management and Institutional Controls Plan* (LMICP) describes the inspection process. The September 2012 inspection included a walk of the cell cap toe, drainages, and 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. A consolidated form and map is included with this report. Most findings were related to vegetation, including the presence of woody vegetation. Some standing water and wetland vegetation continued to be observed at several locations along the western inner drainage. Site personnel will evaluate the need for further action regarding this. No major changes were observed in the status of erosion along the toe of the slope or the fence line. Items that require maintenance are entered on and tracked using the enclosed Fernald Preserve Maintenance and Repair Action Items form. Items on the list are shaded once they are completed. Previously reported 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 4, 5 and 6. For each cell cap, 12 one-meter square quadrats were randomly located using a three by four grid. The enclosed figure shows the grid and quadrat locations for each cell cap. Field surveys were conducted on July 31, August 1, and August 2. Total cover and species richness data were collected for each quadrat. From this information, total cover, native species composition and



Mr. Timothy Fischer  
Mr. Thomas Schneider  
Page 2

relative frequency of native species was calculated. The table below summarizes the findings. The attached tables present cap-specific species lists and data summaries.

Cell Cap	Total Cover	Native Species Composition	Relative Frequency of Native Species
4	81%	82%	87%
5	89%	73%	83%
6	82%	70%	80%

The LMICP goals for the OSDF cap include 90% total cover and 50% native species composition. The data collected on Cells 4 to 6 demonstrate that a quality stand of native vegetation has been established. Native species composition is well above 50% for all three caps. Total cover across all three cells is well established. Average total cover was close to 90% for all three caps. While some bare areas were present within the quadrats, it did not appear to be attributed to vegetation stress or erosion. Instead, this is likely due to the high relative frequency of native bunch grasses that much of the OSDF vegetation consists of.

The next OSDF cell cap inspection is scheduled for December 2012 and will include a walk-down of the entire OSDF cap and an inspection of the toe, drainages, fence line, and any items of special interest or concern.

If you have any questions or require additional information, please call me at (513) 648-3148. Please send any correspondence to:

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

Sincerely,



Jane Powell  
Fernald Preserve Site Manager  
DOE-LM-20.2

Enclosure

Mr. Timothy Fischer  
Mr. Thomas Schneider  
Page 3

cc w/enclosure:

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

cc w/o enclosure:

(electronic)  
G. Hooten, DOE  
T. Pauling, DOE  
K. Reed, DOE  
B. Hertel, Stoller  
J. Homer, Stoller  
L. McHenry, Stoller

# On-Site Disposal Facility Inspection Report September 2012



U.S. DEPARTMENT OF  
**ENERGY**

Legacy  
Management



**East Face Cell 1**



**West Face Cell 1**



6319D-6104

**North Face Cell 1**



6319D-6103

**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**



6319D-6093

**East Face Cell 7**



6319D-6085

**West Face Cell 7**



**East Face Cell 8**



**West Face Cell 8**



6319D-6090

**South Face Cell 8**



6319D-6091

**South Drainage (looking west)**



6319D-6094

**East Drainage Cell 7 (looking south)**



6319D-6098

**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)**



6319D-6075

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



6319D-6089

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



**West Outer Drainage Cell 8 (looking north)**

U.S. Department of Energy Office of Legacy Management

Fernald Preserve OSDF Walkdown Inspection

Date 9-11-2012 Inspector SM Stoller, Ohio Department of Health Cell Cap/Area Toe, drainage, fence line

No.	Location (Use Map Whenever Possible)	GPS ?	Type of Finding					Description	Photo? (File No.)	Follow Up	
			Erosion	Settlement	Vegetation	Biointrusion	Drainage			Other	Corrected
AD1	Cell 1, west toe	NO			X			Callery pear		X	
AD2	Cell 5, west toe	NO			X			Callery pear		X	
AD3	Southwest corner Cell 8	NO			X			Honeysuckle		X	
AD4	Southwest corner Cell 8	NO			X			Honeysuckle		X	
AD5	Cell 8, east toe	NO			X			2 honeysuckle		X	
AD6	Cell 6, east toe	NO			X			Cedar		X	
AD7	Cell 2, east drain	NO			X			Cottonwood in drainage		X	
JH1	Cell 5, west toe inner drain	NO					X	Standing water – follow up	1975		X
JH2	Cell 6, west	NO			X			Cottonwood		X	
JH3	Gravity inlet at VH#6	NO	X					Erosion from gravel road			X
JH4	Cell 7, west inner drain	NO					X	Standing water			X
JH5	Cell 8, west, edge of stone	NO			X			Woody shrub		X	
JH6	East of Cell 2	NO			X			Woody vegetation		X	
ED1	Across from VH#4	NO			X			Woody vegetation		X	
ED2	Southwest corner of VH#5	NO					X	Gutter/nest/vegetation		X	
ED3	Across from VH#8	NO			X			Woody next to bollard		X	
ED4	Southwest corner Cell 8	NO			X			Woody vegetation		X	
LM1	Perimeter fence	NO					X	Check all signs on fence			X
LM2	West drain	NO			X			Johnson grass throughout		X	
LM3	South side of VH#4	NO			X			Thistle		X	
LM4	Behind VH#8	NO			X			Woody vegetation		X	
LM5	Midpoint Cell 8, west drain	NO					X	4"x4" post with metal			X
LM6	Southwest corner/drain	NO			X			Willows and other woody veg.		X	
HS1	At VH#2	NO					X	Large piece of concrete			X
HS2	At VH#4	NO			X			Ash sapling		X	
HS3	At VH#6	NO			X			Ash sapling		X	
HS4	At VH#7	NO				X		Groundhog holes			X
HS5	At VH#8	NO			X			Honeysuckle		X	
HS6	Midpoint Cell 7 east drain	NO			X			Cottonwood		X	
HS7	Cell 5, east toe	NO			X			Cottonwood		X	
HS8	Cell 5, east toe	NO			X			Cottonwood		X	
HS9	Cell 4, east toe	NO			X			Cottonwood		X	
HS10	Cell 4, east toe	NO			X			Cherry		X	
HS11	Cell 2, east toe	NO			X			Thistle		X	
HS12	Northeast corner, Cell 1 drain	NO			X			Honeysuckle		X	
SB1	Fence between VH#2 and 3	NO			X			Willow		X	

U.S. Department of Energy Office of Legacy Management

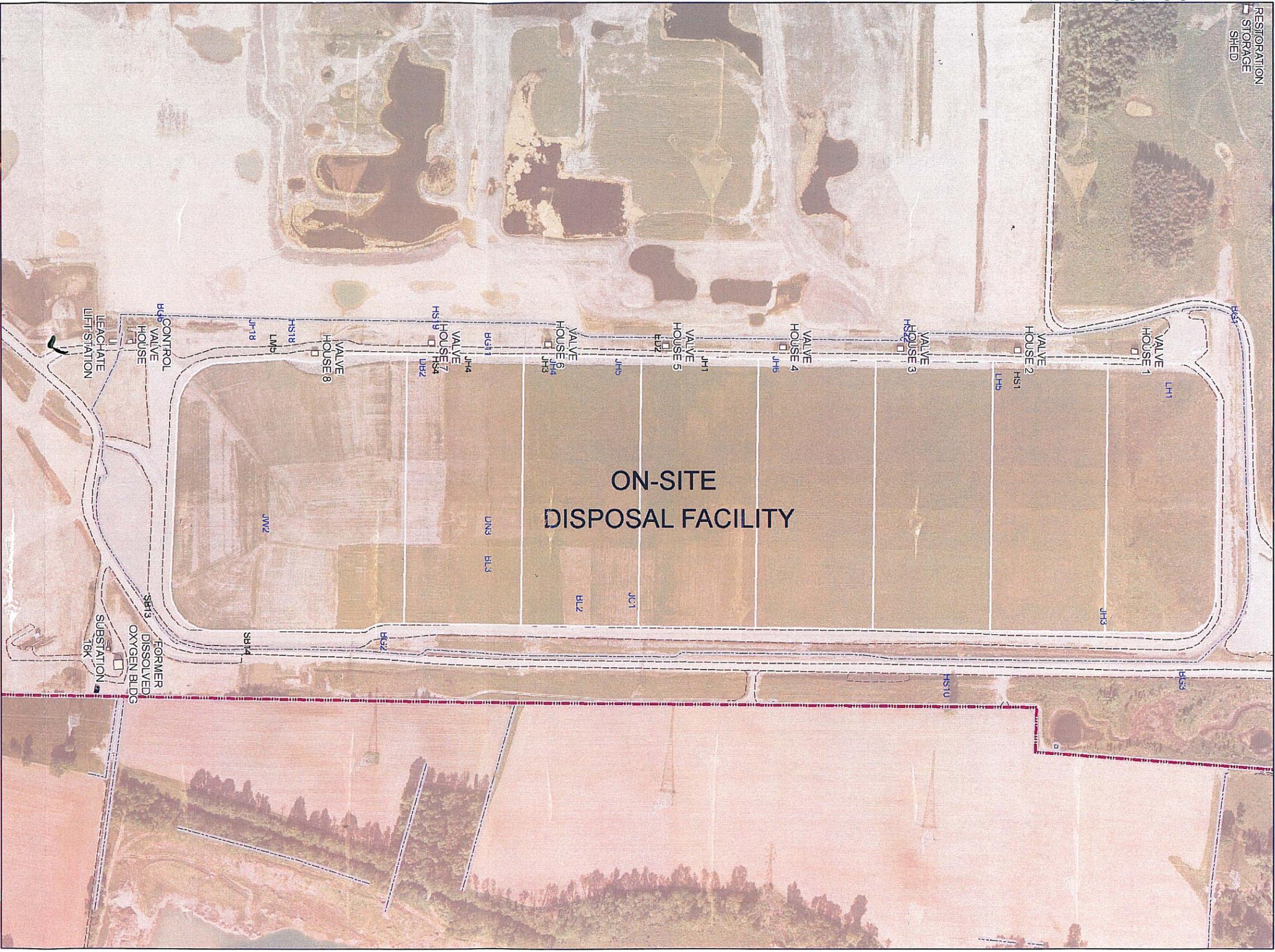
Fernald Preserve OSDF Walkdown Inspection (continued)

Date 9-11-2012 Inspector SM Stoller, Ohio Department of Health Cell Cap/Area Toe, drainage, fenceline

No.	Location (Use Map Whenever Possible)	GPS ?	Type of Finding					Description	Photo? (File No.)	Follow Up		
			Erosion	Settlement	Vegetation	Biointrusion	Drainage			Other	Corrected	Maintenance Req'd
SB2	Between VH#3 and 4	NO			X			Pear		X		
SB3	Between VH#3 and 4 along fence	NO			X			Willow		X		
SB4	North of VH#5	NO			X			2 pears		X		
SB5	Between VH#5 and 6 in drain	NO			X			Woody vegetation		X		
SB6	Between VH#6 and 7	NO			X			Honeysuckle along fence		X		
SB7	North and south of VH#7	NO					X	Buried leachate signs faded			X	
SB8	Drain north of VH#8	NO			X			Willow grove in drainage		X		
SB9	North of control VH	NO			X			Grapevine growing up fence		X		
SB10	Southeast of control VH	NO			X			Woody vegetation along fence		X		
SB11	East of control VH	NO			X			Honeysuckle patch		X		
SB12	South fence	NO			X			Woody vegetation along fence		X		
SB13	East fence at Cell 8	NO	X					Gravel sinking along fence			X	
SB14	East fence at Cell 8	NO					X	Concrete in drainage			X	
SB15	Cell 1, northeast drain	NO			X			Multiflora and grapevine in fence		X		

Additional Notes

EP = East perimeter; SP = South perimeter; SWP = Southwest perimeter; WP = West perimeter; NP = North perimeter; NEP = Northeast perimeter



- Legend**
- Building
  - Fernald Preserve Boundary
  - Fence

- OSDF Final Cover Outline**
- Road-Paved
  - Road-gravel



**Fernald Preserve  
OSDF (On-Site Disposal Facility)  
September 2012 Inspection Findings  
(Previous findings requiring follow-up or  
maintenance)**

**FERNALD PRESERVE MAINTENANCE AND REPAIR ACTION ITEMS  
SEPTEMBER 2012 UPDATE**

No.	Location	GPS?	Maintenance item identified	Date identified	Origin of Finding	Inspection Finding No.	Resolution	Date of resolution	Comments
757	Former silos area	No	Wide erosion, partially vegetated	6/9/2009	June 2009 quarterly field walkdown	57			
817	Access V3	No	Move back/widen gate	10/1/2009	Casual observation	na	No action required	8/22/2012	Access gates are of sufficient width
818	Access V3A	No	Move back/widen gate	10/1/2009	Casual observation	na	No action required	8/22/2012	Access gates are of sufficient width
819	Access V4	No	Move back/widen gate	10/1/2009	Casual observation	na	No action required	8/22/2012	Access gates are of sufficient width
846	A8P111 Parking lot	No	U-post at entrance needs removed	12/14/2009	December 2009 quarterly field walkdown	1	U-posts removed	August-12	
856	Duke Energy substation	No	Honeysuckle all along bank east of Duke Energy substation	12/14/2009	December 2009 quarterly field walkdown	11			
857	Field north of Duke Energy substation on Paddys Run Road	No	Northwest corner of deer fence is damaged	12/14/2009	December 2009 quarterly field walkdown	12			
860	A8P111-North	No	North deer fence needs repair at south end	12/14/2009	December 2009 quarterly field walkdown	15	Repaired deer fence	9/18/2012	
862	Field at Rainbow bridge	No	Honeysuckle	12/14/2009	December 2009 quarterly field walkdown	17			
869	A8P111	No	Wooden post	12/14/2009	December 2009 quarterly field walkdown	24	Unable to locate	8/9/2012	
875	A8P111-North	No	Deer fence needs repair	12/14/2009	December 2009 quarterly field walkdown	30	Repaired deer fence	9/18/2012	
876	A8P111-North	No	Deer fence needs repair	12/14/2009	December 2009 quarterly field walkdown	31	Repaired deer fence	9/18/2012	
877	A8P111-North	No	South fence - deer fence needs repair	12/14/2009	December 2009 quarterly field walkdown	32	Removed deer fence	9/13/2012	
940	East end of drain north of Angel Pond	No	Erosion	3/11/2010	March 2010 quarterly field walkdown	22	Repaired erosion area	9/13/2012	
943	East bank of drainage	No	Thistle	3/11/2010	March 2010 quarterly field walkdown	25			
973	South field drainage	No	Bog stem bullrush	6/2/2010	June 2010 quarterly field walkdown	6			
974	South of Sycamore trail south of the Shingle Oak	No	Downed tree cage	6/2/2010	June 2010 quarterly field walkdown	7			
975	North of deer fence in SWU, west of trail	No	Black pipe	6/2/2010	June 2010 quarterly field walkdown	8			
976	North of south pines deer fence near access road	No	Thistle	6/2/2010	June 2010 quarterly field walkdown	9			

No.	Location	GPS?	Maintenance item identified	Date identified	Origin of Finding	Inspection Finding No.	Resolution	Date of resolution	Comments
984	North of former inactive flyash pile (slope of SWU)	No	Debris – asphalt	6/2/2010	June 2010 quarterly field walkdown	16			
986	Near "salamander habitat"	No	Erosion	6/2/2010	June 2010 quarterly field walkdown	18			
989	North of silo ponds	No	Patchy vegetation	6/2/2010	June 2010 quarterly field walkdown	21			
992	Paddys Run – silos riprap	No	Reed canary grass	6/2/2010	June 2010 quarterly field walkdown	24			
994	SWU floodplain	No	Old cage needs removed	6/2/2010	June 2010 quarterly field walkdown	26			
996	SWRB southwest corner	No	Thistle patch	6/2/2010	June 2010 quarterly field walkdown	28			
999	Northeast of north silo pond	No	Erosion	6/2/2010	June 2010 quarterly field walkdown	31	Repaired erosion area	9/17/2012	
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			
1010	South pines along access road	No	Honeysuckle	6/2/2010	June 2010 quarterly field walkdown	42			
1011	East of south pines, south of access road	No	Thistle	6/2/2010	June 2010 quarterly field walkdown	43			
1012	East edge of south pines deer fence	No	Thistle	6/2/2010	June 2010 quarterly field walkdown	44			
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 Schoenoplectus	9/8/2010	September 2010 quarterly field walkdown	2			
1100	Lodge pond basin – northeast	No	Bare area	9/8/2010	September 2010 quarterly field walkdown	11			
1101	Lodge pond basin – northeast	No	Erosion	9/8/2010	September 2010 quarterly field walkdown	12			
1105	NE of lodge pond basin near property line	No	Bare area	9/8/2010	September 2010 quarterly field walkdown	16			
1106	Near well across from OSDF mowed path	No	Thistle	9/8/2010	September 2010 quarterly field walkdown	17			

No.	Location	GPS?	Maintenance item identified	Date identified	Origin of Finding	Inspection Finding No.	Resolution	Date of resolution	Comments
1116	Basin across from triangle	No	Honeysuckle, pear, crown vetch	9/8/2010	September 2010 quarterly field walkdown	28			
1117	Basin across from triangle	No	Honeysuckle, pear, crown vetch	9/8/2010	September 2010 quarterly field walkdown	29			
1118	Basin across from triangle	No	Pear, Honeysuckle	9/8/2010	September 2010 quarterly field walkdown	30			
1135	Pines near access road	No	Honeysuckle	9/8/2010	September 2010 quarterly field walkdown	48			
1136	North pines	No	Multiflora rose	9/8/2010	September 2010 quarterly field walkdown	49			
1139	North pines along access rd.	No	Honeysuckle	9/8/2010	September 2010 quarterly field walkdown	53			
1144	Interior vehicle access VR		Attachment broken	9/7/2010	September 2010 point-specific IC inspection	na	Repaired	8/9/2012	
1147	A8P111-N, south deer fence	no	North side of fence down	12/6/2010	December 2010 quarterly field walkdown	3			
1148	A8P111-N, south deer fence	no	East gate open	12/6/2010	December 2010 quarterly field walkdown	4	Removed deer fence	9/13/2012	
1149	A8P111-N, south deer fence	no	South end of fence down	12/6/2010	December 2010 quarterly field walkdown	5	Removed deer fence	9/13/2012	
1150	A8P111-N, south deer fence	no	West side of fence down	12/6/2010	December 2010 quarterly field walkdown	6	Removed deer fence	9/13/2012	
1151	A8P111-N, south deer fence	no	West side of fence down	12/6/2010	December 2010 quarterly field walkdown	7	Removed deer fence	9/13/2012	
1152	A8P111-N, north deer fence	no	West side of fence down	12/6/2010	December 2010 quarterly field walkdown	8	Repaired deer fence	9/18/2012	
1154	A8P111, south deer fence	no	Southwest corner down	12/6/2010	December 2010 quarterly field walkdown	10	Removed deer fence	9/13/2012	
1157	A8P111-N, north deer fence	no	East side has holes and the fence is slipping down poles	12/6/2010	December 2010 quarterly field walkdown	13	Repaired deer fence	9/18/2012	
1191	WP Cell 8	no	Erosion greater than one foot. Grass is growing in erosion rill stopping progression of erosion. Be careful if repaired – buried pipe! (Previous inspection JF12)	12/7/2010	December 2010 OSDF Inspection	JF18	No action necessary	9/18/2012	rill is stable
1211	Cell 5/6, east toe	No	Broken survey marker	3/8/2011	March 2011 OSDF Inspection	JC1			
1218	Berm south of VC Parking	No	Crown Vetch	6/1/2011	June 2011 quarterly field walkdown	3			
1219	South Pines deer fence (east)	No	Fence is sagging	6/1/2011	June 2011 quarterly field walkdown	4			
1220	SWU east fence	No	South side down	6/1/2011	June 2011 quarterly field walkdown	6			
1222	Radium hot spot	No	Deer fence south gate broken	6/1/2011	June 2011 quarterly field walkdown	9			

No.	Location	GPS?	Maintenance item identified	Date identified	Origin of Finding	Inspection Finding No.	Resolution	Date of resolution	Comments
1223	SWU – deer fence east of trail	No	Deer fence top is down	6/1/2011	June 2011 quarterly field walkdown	10			
1225	West of Lodge Pond overlook	No	Deer fence sagging	6/1/2011	June 2011 quarterly field walkdown	14			
1228	SWU east of trail	No	Teasel	6/1/2011	June 2011 quarterly field walkdown	17			
1229	SWU by well east of trail	No	Erosion	6/1/2011	June 2011 quarterly field walkdown	18	No action necessary	9/18/2012	rill is stable
1230	SWU east of deer fence	No	Teasel	6/1/2011	June 2011 quarterly field walkdown	19			
1231	SWU deer fence east of road	No	Teasel, thistle, crown vetch	6/1/2011	June 2011 quarterly field walkdown	21			
1232	West of SSOD	No	Teasel	6/1/2011	June 2011 quarterly field walkdown	22			
1233	West of SSOD	No	Teasel	6/1/2011	June 2011 quarterly field walkdown	23			
1234	Radium hot spot deer fence	No	Fence/door low	6/1/2011	June 2011 quarterly field walkdown	24			
1236	South of VC parking lot	No	Thistle	6/1/2011	June 2011 quarterly field walkdown	26			
1237	SWU at top of hill	No	Teasel	6/1/2011	June 2011 quarterly field walkdown	27			
1240	South field	No	Dense poison ivy	6/1/2011	June 2011 quarterly field walkdown	30			
1241	SWU deer fence (east)	No	Door broken	6/1/2011	June 2011 quarterly field walkdown	31			
1242	Eco Park	No	Broken spring (does not affect barricade)	6/2/2011	June 2011 point-specific IC inspection	na	Repaired	8/9/2012	
1243	Perimeter Sign S45	No	Shrub has overgrown sign	6/2/2011	June 2011 point-specific IC inspection	na	No action necessary	8/9/2012	Limited potential for observation from S.R. 126
1246	Access Gate VU	No	Broken spring (does not affect barricade)	6/2/2011	June 2011 point-specific IC inspection	na			
1276	Cell 7, east top	No	Rock	6/14/2011	June 2011 OSDF inspection	DN3	Removed rock	8/8/2012	
1278	North fence (e)	No	Fence damaged	6/14/2011	June 2011 OSDF inspection	DN5			
1282	West of VH 7	No	Old leachate line unreadable	6/14/2011	June 2011 OSDF inspection	DN13			
1283	West fence	No	Suggest mowing along fence	6/14/2011	June 2011 OSDF inspection	DN14	Cleared vegetation	8/8/2012	
1285	East fence, east field	No	Honeysuckle along fence	9/7/2011	September 2011 Site Inspection	1			

No.	Location	GPS?	Maintenance item identified	Date identified	Origin of Finding	Inspection Finding No.	Resolution	Date of resolution	Comments
1286	North pines, fence east of shed	No	Tree down on deer fence	9/7/2011	September 2011 Site Inspection	2			
1287	North pines, fence east of shed	No	Tree down on deer fence	9/7/2011	September 2011 Site Inspection	3			
1288	Lodge pond basin - south	No	Downed cages	9/7/2011	September 2011 Site Inspection	4	Removed cages	8/9/2012	
1289	Lodge pond basin	No	Thistle	9/7/2011	September 2011 Site Inspection	5			
1290	Lodge pond basin - SE	No	Downed cages	9/7/2011	September 2011 Site Inspection	6	Removed cages	8/9/2012	
1291	North pines	No	Honeysuckle along woodline	9/7/2011	September 2011 Site Inspection	10			
1292	Lodge pond - west	No	Olive species	9/7/2011	September 2011 Site Inspection	11			
1293	East perimeter	No	Scattered pear	9/7/2011	September 2011 Site Inspection	14			
1294	Lodge pond basin	No	Callery pear	9/7/2011	September 2011 Site Inspection	15			
1295	Perimeter Sign S6	No	View of sign is blocked by pear tree	9/8/2011	September 2011 point-specific IC inspection	na	Vegetation cleared	8/22/2012	
1296	OSDF fencing	No	Erosion at post bases, gaps and burrows at various locations	9/8/2011	September 2011 point-specific IC inspection	na			
1297	Interior Authorized Vehicle Access VU	No	Broken spring (does not affect barricade)	9/8/2011	September 2011 point-specific IC inspection	na	No action necessary	8/9/2012	Spring functions as is
1298	Restoration storage shed	No	Bottom of corner trim lost bolt.	9/8/2011	September 2011 point-specific IC inspection	na			
1304	East Cell 2, 6:1	No	Johnson grass	9/13/2011	September 2011 OSDF Inspection	BL1			
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			
1310	West drain, north of VH2	No	Woody vegetation, honeysuckle	9/13/2011	September 2011 OSDF Inspection	BL7	Herbicide applied	7/12/2012	
1315	Toe, east Cell 2	No	Erosion	9/13/2011	September 2011 OSDF Inspection	JH3			
1320	NW corner of fence	No	Burrowing under fence	9/13/2011	September 2011 OSDF Inspection	BG1	Filled in burrow	8/22/2012	
1321	North fence	No	Fence bracing damage	9/13/2011	September 2011 OSDF Inspection	BG2	Brace repaired	8/7/2012	
1322	East fence, Cell 2	No	Under fence wire	9/13/2011	September 2011 OSDF Inspection	BG3	fill added under fence	8/23/2012	

No.	Location	GPS?	Maintenance item identified	Date identified	Origin of Finding	Inspection Finding No.	Resolution	Date of resolution	Comments
1324	East fence, Cell 3	No	Under fence wire	9/13/2011	September 2011 OSDF Inspection	BG5	fill added under fence	8/23/2012	
1327	East fence, Cell 5	No	Under fence wire	9/13/2011	September 2011 OSDF Inspection	BG8	fill added under fence	8/23/2012	
1330	North of VH7	No	Faded signage (Buried Leachate)	9/13/2011	September 2011 OSDF Inspection	BG11			
1331	Deer fence north of WM2 - north	No	Hole in deer fence	12/1/2011	December 2011 Site Inspection	1	Removed deer fence	9/10/2012	
1332	Deer fence north of WM2 - north	No	Tree on deer fence	12/1/2011	December 2011 Site Inspection	2	Removed deer fence	9/10/2012	
1333	Deer fence north of WM2 - north	No	Tree on deer fence	12/1/2011	December 2011 Site Inspection	3	Removed deer fence	9/10/2012	
1334	Deer fence north of WM2 - north	No	Hole in fence	12/1/2011	December 2011 Site Inspection	4	Removed deer fence	9/10/2012	
1335	Deer fence north of WM2 - north	No	Hole in fence	12/1/2011	December 2011 Site Inspection	5	Removed deer fence	9/10/2012	
1336	A8PIII-North, south deer fence	No	Hole on north side of fence	12/1/2011	December 2011 Site Inspection	7	Removed deer fence	9/13/2012	
1337	A8PIII-North, south deer fence	No	Hole on east side of fence	12/1/2011	December 2011 Site Inspection	8	Removed deer fence	9/13/2012	
1338	Deer fence north of WM2 - west	No	Fence is down (tree)	12/1/2011	December 2011 Site Inspection	9	Removed deer fence	9/10/2012	
1339	Deer fence north of WM2 - NE	No	Hole in fence	12/1/2011	December 2011 Site Inspection	10	Removed deer fence	9/10/2012	
1340	A8PII Paddys Run west bank	No	Bottles/trash caught in fence	12/1/2011	December 2011 Site Inspection	11	Picked up trash	8/9/2012	
1341	A8PII Paddys Run west bank	No	Tree tubes need removed	12/1/2011	December 2011 Site Inspection	12	Removed remaining tubes	8/9/2012	
1342	A8PIII-North, north deer fence	No	Fence sagging – ties broken	12/1/2011	December 2011 Site Inspection	14	Repaired deer fence	9/18/2012	
1343	Rainbow bridge deer fence - SE	No	Deer fence down	12/1/2011	December 2011 Site Inspection	15			
1344	Rainbow bridge deer fence - NE	No	Deer fence down	12/1/2011	December 2011 Site Inspection	16			
1345	Duke Energy deer fence - SE	No	Deer fence down	12/1/2011	December 2011 Site Inspection	17			
1346	Duke Energy deer fence - east	No	Deer fence down	12/1/2011	December 2011 Site Inspection	18			
1347	Duke Energy deer fence – NE	No	Tree on deer fence	12/1/2011	December 2011 Site Inspection	19			
1348	Duke Energy deer fence – north	No	Tree on deer fence	12/1/2011	December 2011 Site Inspection	20			

No.	Location	GPS?	Maintenance item identified	Date identified	Origin of Finding	Inspection Finding No.	Resolution	Date of resolution	Comments
1349	"S" bend on Paddys Run Rd.	No	4x4 barrier post is broken off at ground level, seemingly run over by a vehicle (tire tracks on either side)	12/1/2011	December 2011 Site Inspection	22			
1350	CAWWT fence	No	Tree growing into chain link fence on north side.	9/8/2011	September 2011 point-specific IC inspection	na	Cut tree adjacent to fence	7/25/2012	
1351	Interior Authorized Vehicle Access VU	No	Broken spring, rope on ground	9/8/2011	September 2011 point-specific IC inspection	na			
1352	Interior Authorized Vehicle Access VT	No	Posts are there, but no rope	9/8/2011	September 2011 point-specific IC inspection	na	Removed posts	8/9/2012	
1353	Restoration storage shed	No	Bottom of corner trim lost bolt.	9/8/2011	September 2011 point-specific IC inspection	na			
1354	Cell 8	No	Rocks	12/13/2011	December 2011 OSDF Inspection	JW2	Removed rocks	8/8/2012	
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			
1362	Cell 7/8 (west)	No	Cell marker at toe seems loose	12/13/2011	December 2011 OSDF Inspection	DB2	No action necessary	8/8/2012	cell marker is secure
1366	Cell 2	No	Burrow	12/13/2011	December 2011 OSDF Inspection	HB2		8/22/2012	Could not locate
1369	Cell 3 (top)	No	Holes	12/13/2011	December 2011 OSDF Inspection	GH2		8/22/2012	Could not locate
1370	East fence (cell 8)	No	Burrowing	12/13/2011	December 2011 OSDF Inspection	BG2	Filled hole	8/23/2012	
1371	East fence ( NE cell 1)	No	Burrowing	12/13/2011	December 2011 OSDF Inspection	BG3	Filled hole	8/23/2012	
1374	South of control VH	No	Burrowing	12/13/2011	December 2011 OSDF Inspection	BG6	Filled hole	8/23/2012	
1375	Waste Pits, east slope of pond	No	Erosion	3/6/2012	March 2012 Site Inspection	2			
1379	Production Area	No	Debris	3/6/2012	March 2012 Site Inspection	8	Debris removed and free-released	8/7/2012	
1380	Production Area	No	Debris	3/6/2012	March 2012 Site Inspection	9	Debris removed and free-released	8/7/2012	
1381	Production Area	No	Debris	3/6/2012	March 2012 Site Inspection	10	Debris removed and free-released	8/7/2012	
1383	Waste Pits, north Pit 3	No	Erosion	3/6/2012	March 2012 Site Inspection	12			
1386	Production Area, w corner Angel Pond	No	Glazed tile debris	3/6/2012	March 2012 Site Inspection	15	Debris removed and free-released	8/7/2012	
1387	Waste Pits	No	Erosion	3/6/2012	March 2012 Site Inspection	16			

No.	Location	GPS?	Maintenance item identified	Date identified	Origin of Finding	Inspection Finding No.	Resolution	Date of resolution	Comments
1388	Waste Pits, east end Pit 5	No	Erosion	3/6/2012	March 2012 Site Inspection	17			
1390	Waste Pits, north Pit 5	No	Erosion	3/6/2012	March 2012 Site Inspection	19			
1392	Waste Pits, northeast	No	Tile	3/6/2012	March 2012 Site Inspection	21	Debris removed and free-released	8/7/2012	
1393	Production Area, north Angel Pond	No	Tile and debris	3/6/2012	March 2012 Site Inspection	26	Debris removed and free-released	8/7/2012	
1394	Production Area, east Swan Pond	No	Concrete	3/6/2012	March 2012 Site Inspection	27	Debris removed and free-released	8/7/2012	
1395	Production Area, east by OSDF fence	No	Debris (2 locations)	3/6/2012	March 2012 Site Inspection	28	Debris removed and free-released	8/7/2012	
1396	Production Area, NE Angel Pond	No	Re-bar debris	3/6/2012	March 2012 Site Inspection	29	Debris removed and free-released	8/7/2012	
1397	Production Area, west of cell 6/7	No	Debris metal	3/6/2012	March 2012 Site Inspection	30	Debris removed and free-released	8/7/2012	
1398	Production Area, west of cell 8	No	Debris metal	3/6/2012	March 2012 Site Inspection	31	Debris removed and free-released	8/7/2012	
1399	Production Area, SE of CAWWT	No	Concrete (in pines)	3/6/2012	March 2012 Site Inspection	32	Debris removed and free-released	8/7/2012	
1400	Production Area, SE of CAWWT	No	T-post (west of pines)	3/6/2012	March 2012 Site Inspection	33	Unable to locate	8/7/2012	
1402	Center waste pit 3	No	Erosion between ponds	3/6/2012	March 2012 Site Inspection	35			
1403	East side of pond waste pit 3	No	Erosion between ponds	3/6/2012	March 2012 Site Inspection	36			
1409	East of Community Pond	No	Erosion rill	3/6/2012	March 2012 Site Inspection	42			
1410	East of well road, E end of pond	No	Debris	3/6/2012	March 2012 Site Inspection	43	Debris removed and free-released	8/7/2012	
1411	Land between lakes	No	Erosion rills	3/6/2012	March 2012 Site Inspection	44			
1426	Perimeter sign S49	No	Sign not visible due to vegetation	3/15/2012	March 2012 point-specific IC inspection	na	No action necessary	8/9/2012	Limited potential for observation from S.R. 126
1443	East fence line	No	Black pipe	3/13/2012	March 2012 OSDF Inspection	HS10			
1445	East fence line	No	Barb arm off fence	3/13/2012	March 2012 OSDF Inspection	HS12	Repaired barb arm	8/7/2012	
1451	West fence line	No	Erosion	3/13/2012	March 2012 OSDF Inspection	HS18			
1454	VH3	No	Drain pipe on building is down	3/13/2012	March 2012 OSDF Inspection	HS22			

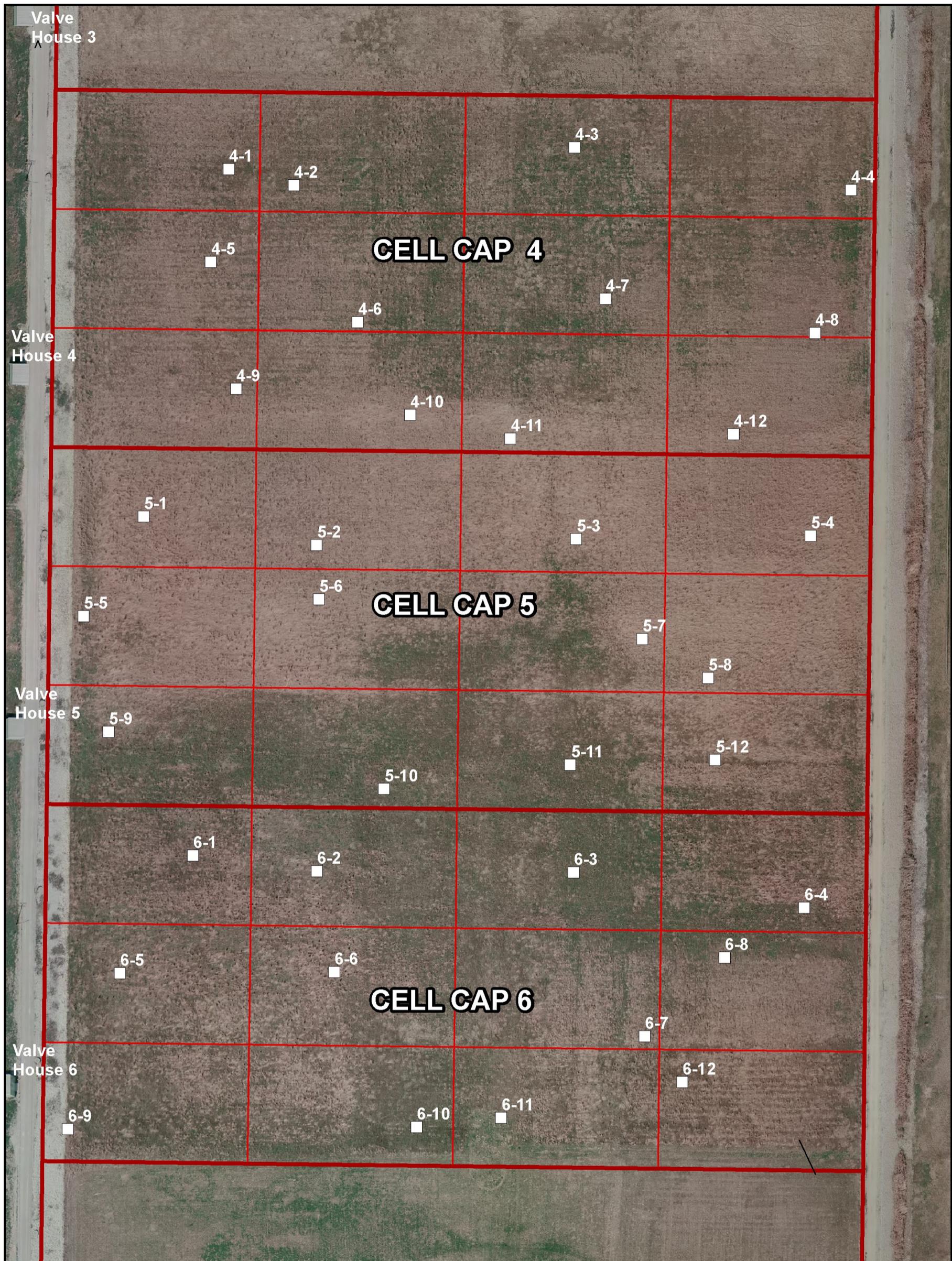
No.	Location	GPS?	Maintenance item identified	Date identified	Origin of Finding	Inspection Finding No.	Resolution	Date of resolution	Comments
1456	North of silos ponds	No	Spotty bare/gravel	6/5/2012	June 2012 Site Inspection	2			
1457	At well house	No	Exposed wires (from removal?)	6/5/2012	June 2012 Site Inspection	4			
1458	South edge of road	No	Canada thistle	6/5/2012	June 2012 Site Inspection	6	Herbicide applied	7/12/2012	
1459	East side of south pines deer fence	No	Deer fence off posts	6/5/2012	June 2012 Site Inspection	7			
1460	Ditch line on edge of road	No	Sink holes	6/5/2012	June 2012 Site Inspection	8			
1461	East side of south pines deer fence	No	Holes in gate	6/5/2012	June 2012 Site Inspection	9			
1462	Radiation hotspot deer fence – east side	No	Zip ties broken, fence hanging	6/5/2012	June 2012 Site Inspection	13			
1463	Paddys Run – east bank west of silos ponds	No	10' x 20' exposed fabric, rocks gone	6/5/2012	June 2012 Site Inspection	14			
1464	Paddys Run – east bank west of silos ponds	No	Fallen tree cages	6/5/2012	June 2012 Site Inspection	15			
1465	West side SWRB	No	Teasel	6/5/2012	June 2012 Site Inspection	18	Herbicide applied	7/12/2012	
1466	Shingle Oak trail	No	Teasel	6/5/2012	June 2012 Site Inspection	24			
1467	Sycamore trail	No	Teasel	6/5/2012	June 2012 Site Inspection	25	Herbicide applied	7/12/2012	
1468	Drainage area	No	Garlic mustard	6/5/2012	June 2012 Site Inspection	26			
1469	Well access	No	Teasel	6/5/2012	June 2012 Site Inspection	27			
1470	SE corner of deer fence	No	Thistle patch	6/5/2012	June 2012 Site Inspection	28			
1471	Drainage E of Sycamore trail	No	Concrete (chunks)	6/5/2012	June 2012 Site Inspection	29	Debris removed and free-released	9/5/2012	
1472	Dance hall road	No	Erosion rill	6/5/2012	June 2012 Site Inspection	31			
1473	Deer fence	No	Limbs on deer fence*	6/5/2012	June 2012 Site Inspection	32			
1474	Deer fence	No	Grapes pulling down fence	6/5/2012	June 2012 Site Inspection	33			
1475	Deer fence	No	Top of fence unattached	6/5/2012	June 2012 Site Inspection	34			
1476	Perimeter sign S37	No	Sign is leaning	6/6/2012	June 2012 point-specific IC inspection	na	Repaired sign	8/9/2012	

No.	Location	GPS?	Maintenance item identified	Date identified	Origin of Finding	Inspection Finding No.	Resolution	Date of resolution	Comments
1477	Perimeter sign S41	No	Sign not visible due to vegetation	6/6/2012	June 2012 point-specific IC inspection	na			
1478	Perimeter sign S48	No	Sign not visible due to vegetation	6/6/2012	June 2012 point-specific IC inspection	na	No action necessary	8/10/2012	Limited potential for observation from S.R. 126
1479	Perimeter sign S65	No	Sign is leaning	6/6/2012	June 2012 point-specific IC inspection	na	Repaired sign	8/9/2012	
1480	Trestle	No	Vegetation covers and blocks entry gate into trestle	6/6/2012	June 2012 point-specific IC inspection	na	Cleared vegetation	7/25/2012	
1481	Riprap toe west cell 6	No	Grapevine in riprap	6/12/2012	June 2012 OSDF Inspection	ED2	Herbicide applied	7/12/2012	
1482	North toe	No	Sycamore and willow	6/12/2012	June 2012 OSDF Inspection	LH1			
1483	North toe	No	Ash and grapevine	6/12/2012	June 2012 OSDF Inspection	LH2			
1484	Drainage west cell 8	No	Cottonwood	6/12/2012	June 2012 OSDF Inspection	LH6			
1485	Drainage west cell 8	No	Willow	6/12/2012	June 2012 OSDF Inspection	LH7			
1486	Drainage east cell 2 (north)	No	Woody vegetation	6/12/2012	June 2012 OSDF Inspection	BL1	Herbicide applied	7/12/2012	
1487	Drainage east cell 2	No	Red cedar	6/12/2012	June 2012 OSDF Inspection	BL2	Herbicide applied	7/12/2012	
1488	North drainage (northwest)	No	Woody vegetation	6/12/2012	June 2012 OSDF Inspection	JH1	Herbicide applied	7/12/2012	
1489	North drainage	No	Grape vine	6/12/2012	June 2012 OSDF Inspection	JH2	Herbicide applied	7/12/2012	
1490	West toe at VH6	No	Standing water (follow up to LH3 from March 2012)	6/12/2012	June 2012 OSDF Inspection	JH4			
1491	West toe cell 6	No	Wetland vegetation	6/12/2012	June 2012 OSDF Inspection	JH5			
1492	West toe south of VH4	No	Standing water	6/12/2012	June 2012 OSDF Inspection	JH6			
1493	North drainage (north east)	No	Teasel	6/12/2012	June 2012 OSDF Inspection	LM1	Herbicide applied	7/12/2012	
1494	East drainage cell 1/2 boundary	No	Honeysuckle	6/12/2012	June 2012 OSDF Inspection	LM2	Herbicide applied	7/12/2012	
1495	East drainage cell 2	No	Teasel and grapevine	6/12/2012	June 2012 OSDF Inspection	LM3	Herbicide applied	7/12/2012	
1496	North of northwest gate	No	Honeysuckle	6/12/2012	June 2012 OSDF Inspection	HS1	Herbicide applied	7/12/2012	
1497	North of northwest gate	No	Pear/elms	6/12/2012	June 2012 OSDF Inspection	HS2	Herbicide applied	7/12/2012	

No.	Location	GPS?	Maintenance item identified	Date identified	Origin of Finding	Inspection Finding No.	Resolution	Date of resolution	Comments
1498	North of northwest gate	No	Ash tree/elms	6/12/2012	June 2012 OSDF Inspection	HS3	Herbicide applied	7/12/2012	
1499	North drain (northwest corner)	No	Honeysuckle	6/12/2012	June 2012 OSDF Inspection	HS4	Herbicide applied	7/12/2012	
1500	North drain (northwest corner)	No	Ash tree	6/12/2012	June 2012 OSDF Inspection	HS5	Herbicide applied	7/12/2012	
1501	North drain (northwest corner)	No	Ash and willows	6/12/2012	June 2012 OSDF Inspection	HS6	Herbicide applied	7/12/2012	
1502	North drain (northwest rocks)	No	Honeysuckle	6/12/2012	June 2012 OSDF Inspection	HS7	Herbicide applied	7/12/2012	
1503	North drainage	No	Sycamore, elm, cottonwood, willow	6/12/2012	June 2012 OSDF Inspection	HS9	Herbicide applied	7/12/2012	
1504	North fence gate	No	Teasel and thistle	6/12/2012	June 2012 OSDF Inspection	HS11	Herbicide applied	7/12/2012	
1505	Northeast corner drainage	No	Cottonwoods, ash, pear	6/12/2012	June 2012 OSDF Inspection	HS13	Herbicide applied	7/12/2012	
1506	East drain, north end of cell 5	No	Pear	6/12/2012	June 2012 OSDF Inspection	HS15	Herbicide applied	7/12/2012	
1507	East drain, cell 5/6 boundary	No	Honeysuckle	6/12/2012	June 2012 OSDF Inspection	HS16	Herbicide applied	7/12/2012	
1508	East drain, cell 6 fence line	No	Pear	6/12/2012	June 2012 OSDF Inspection	HS17	Herbicide applied	7/12/2012	
1509	East drain, cell 6 fence line	No	Honeysuckle	6/12/2012	June 2012 OSDF Inspection	HS18	Herbicide applied	7/12/2012	
1510	East drain, cell 6 fence line	No	Musk thistle	6/12/2012	June 2012 OSDF Inspection	HS19	Herbicide applied	7/12/2012	
1511	East drain, cell 6 fence line	No	Bull thistle	6/12/2012	June 2012 OSDF Inspection	HS20	Herbicide applied	7/12/2012	
1512	East drain, cell 6 fence line	No	Elm	6/12/2012	June 2012 OSDF Inspection	HS21	Herbicide applied	7/12/2012	
1513	West drain, cell 8	No	Willows, trumpet creeper	6/12/2012	June 2012 OSDF Inspection	HS32	Herbicide applied	7/12/2012	
1514	West fence line behind VH7	No	Poison ivy	6/12/2012	June 2012 OSDF Inspection	HS33			
1515	West drain, north end cell 6	No	Willows and honeysuckle at culvert	6/12/2012	June 2012 OSDF Inspection	HS34	Herbicide applied	7/12/2012	
1516	West drain, mid cell 5	No	Honeysuckle	6/12/2012	June 2012 OSDF Inspection	HS35	Herbicide applied	7/12/2012	
1517	West drain, north end cell 5	No	Musk thistle	6/12/2012	June 2012 OSDF Inspection	HS36	Herbicide applied	7/12/2012	
1518	West drain, cell 4	No	Willows	6/12/2012	June 2012 OSDF Inspection	HS37			

No.	Location	GPS?	Maintenance item identified	Date identified	Origin of Finding	Inspection Finding No.	Resolution	Date of resolution	Comments
1519	West drain, cell 3	No	Willow, cottonwood, honeysuckle	6/12/2012	June 2012 OSDF Inspection	HS38	Herbicide applied	7/12/2012	
1520	West drain, cell 2	No	Willow, Virginia creeper, honeysuckle	6/12/2012	June 2012 OSDF Inspection	HS39			
1521	West drain, cell 1	No	Honeysuckle, multiflora, ash	6/12/2012	June 2012 OSDF Inspection	HS40			
1522	East perimeter	No	Callery pear	9/5/2012	September 2012 Site Inspection	1			
1523	East field	No	Callery pear	9/5/2012	September 2012 Site Inspection	2			
1524	WM1, Basin 3	No	Rubber pipe and charred log	9/5/2012	September 2012 Site Inspection	3			
1525	North of Restoration shed	No	Gravel/asphalt patch	9/5/2012	September 2012 Site Inspection	5			
1526	WM1, W4 and 3	No	Honeysuckle/pear	9/5/2012	September 2012 Site Inspection	6			
1527	WM1, W5 and 1	No	Honeysuckle	9/5/2012	September 2012 Site Inspection	7			
1528	WM1, W7	No	Honeysuckle	9/5/2012	September 2012 Site Inspection	9			
1529	WM1, W7	No	T-post in hole	9/5/2012	September 2012 Site Inspection	10			
1530	WM1, W3	No	Bare spot	9/5/2012	September 2012 Site Inspection	11			
1531	WM1, W3 and 2	No	Bare spot	9/5/2012	September 2012 Site Inspection	12			
1532	WM1, W2 – fenceline	No	A bat house coming down	9/5/2012	September 2012 Site Inspection	13			
1533	WM1, fenceline	No	Large honeysuckle	9/5/2012	September 2012 Site Inspection	14			
1534	WM1	No	Multiflora rose	9/5/2012	September 2012 Site Inspection	15			
1535	WM1	No	Soil erosion	9/5/2012	September 2012 Site Inspection	16			
1536	Lodge Pond basin north bank	No	Thistle	9/5/2012	September 2012 Site Inspection	19			
1537	Lodge Pond trail inside loop	No	Thistle	9/5/2012	September 2012 Site Inspection	20			
1538	Cell 5, west toe inner drain	No	Standing water – follow up	9/11/2011	September 2012 OSDF Inspection	JH1			
1539	Gravity inlet at VH#6	No	Erosion from gravel road	9/11/2011	September 2012 OSDF Inspection	JH3			

No.	Location	GPS?	Maintenance item identified	Date identified	Origin of Finding	Inspection Finding No.	Resolution	Date of resolution	Comments
1540	Cell 7, west inner drain	No	Standing water	9/11/2011	September 2012 OSDF Inspection	JH4			
1541	Perimeter fence	No	Check all signs on fence	9/11/2011	September 2012 OSDF Inspection	LM1			
1542	Midpoint Cell 8, west drain	No	4"x4" post with metal	9/11/2011	September 2012 OSDF Inspection	LM5			
1543	At VH#2	No	Large piece of concrete	9/11/2011	September 2012 OSDF Inspection	HS1			
1544	At VH#7	No	Groundhog holes	9/11/2011	September 2012 OSDF Inspection	HS4			
1545	North and south of VH#7	No	Buried leachate signs faded	9/11/2011	September 2012 OSDF Inspection	SB7			
1546	East fence at Cell 8	No	Gravel sinking along fence	9/11/2011	September 2012 OSDF Inspection	SB13			
1547	East fence at Cell 8	No	Concrete in drainage	9/11/2011	September 2012 OSDF Inspection	SB14			



**Legend**

- Sample Grid
- Sample Location



**OSDF Cell Cap 4 through 6  
Herbaceous Monitoring Locations for 2012**

Herbaceous Cover Data Summary  
 On-site Disposal Facility- Cell 4

Total Spp.:	17	Mean CC <sup>b</sup> :	2.41
Native Spp.:	14	Average Cover:	81%
Non-Native Spp.:	3	FQAI <sup>c</sup> :	9.94
Percent Native:	82%		

Species <sup>a</sup>	Common Name	Type	CC <sup>b</sup>	Frequency (species/quadrat)	Relative Frequency
<i>Ambrosia artemisiifolia</i>	COMMON RAGWEED	forb	0	0.42	7%
<i>Andropogon gerardii</i>	BIG BLUESTEM	grass	5	0.83	15%
<i>Aster novae-angliae</i>	NEW ENGLAND ASTER	forb	2	0.08	1%
<i>Aster pilosus</i>	AWL ASTER	forb	1	0.17	3%
<i>Bouteloua curtipendula</i>	SIDE-OATS GRAMA GRASS	grass	8	0.83	15%
<i>Coryza canadensis</i>	HORSEWEED	forb	0	0.08	1%
<i>Elymus canadensis</i>	CANADA WILD RYE	grass	6	0.58	10%
<i>Erigeron annuus</i>	DAISY FLEABANE	forb	0	0.08	1%
<i>Lactuca biennis</i>	TALL BLUE LETTUCE	forb	1	0.42	7%
<i>Monarda fistulosa</i>	WILD BERGAMOT	forb	3	0.08	1%
<i>Panicum virgatum</i>	SWITCH GRASS	grass	4	0.33	6%
<i>Schizachyrium scoparium</i>	LITTLE BLUESTEM	grass	5	0.08	1%
<i>Solidago canadensis</i>	CANADA GOLDENROD	forb	1	0.25	4%
<i>Sorghastrum nutans</i>	INDIAN GRASS	grass	5	0.58	10%
<b><i>Bromus japonicus</i></b>	<b>JAPANESE BROME</b>	grass	0	0.17	3%
<b><i>Daucus carota</i></b>	<b>QUEEN-ANNE'S-LACE</b>	forb	0	0.42	7%
<b><i>Plantago major</i></b>	<b>COMMON PLANTAIN</b>	forb	0	0.17	3%
<b>Native Species:</b>				4.83	87%
<b>Non-Native Species:</b>				0.75	13%

<sup>a</sup>Species in bold are non-native

<sup>b</sup>CC = Coefficient of Conservatism

<sup>c</sup>FQAI = Floristic Quality Assessment Index

Herbaceous Cover Data Summary  
 On-site Disposal Facility- Cell 5

Total Spp.:	15	Mean CC <sup>b</sup> :	2.67
Native Spp.:	11	Average Cover:	89%
Non-Native Spp.:	4	FQAI <sup>c</sup> :	10.33
Percent Native:	73%		

Species <sup>a</sup>	Common Name	Type	CC <sup>b</sup>	Frequency (species/quadrat)	Relative Frequency	
<i>Ambrosia artemisiifolia</i>	COMMON RAGWEED	forb	0	0.17	4%	
<i>Andropogon gerardii</i>	BIG BLUESTEM	grass	5	0.75	19%	
<i>Aster pilosus</i>	AWL ASTER	forb	1	0.33	8%	
<i>Bouteloua curtipendula</i>	SIDE-OATS GRAMA GRASS	grass	8	0.33	8%	
<i>Elymus canadensis</i>	CANADA WILD RYE	grass	6	0.33	8%	
<i>Eupatorium altissimum</i>	TALL BONESET	forb	0	0.08	2%	
<i>Panicum virgatum</i>	SWITCH GRASS	grass	4	0.58	15%	
<i>Ratibida pinnata</i>	GRAY-HEADED CONEFLOWER	forb	5	0.08	2%	
<i>Schizachyrium scoparium</i>	LITTLE BLUESTEM	grass	5	0.08	2%	
<i>Solidago canadensis</i>	CANADA GOLDENROD	forb	1	0.25	6%	
<i>Sorghastrum nutans</i>	INDIAN GRASS	grass	5	0.33	8%	
<b><i>Agrostis gigantea</i></b>	<b>REDTOP</b>	grass	0	0.08	2%	
<b><i>Bromus japonicus</i></b>	<b>JAPANESE BROME</b>	grass	0	0.25	6%	
<i>Daucus carota</i>	QUEEN-ANNE'S-LACE	forb	0	0.25	6%	
<b><i>Dipsacus fullonum</i></b>	<b>WILD TEASEL</b>	forb	0	0.08	2%	
				<b>Native Species:</b>	3.33	83%
				<b>Non-Native Species:</b>	0.67	17%

<sup>a</sup>Species in bold are non-native

<sup>b</sup>CC = Coefficient of Conservatism

<sup>c</sup>FQAI = Floristic Quality Assessment Index

Herbaceous Cover Data Summary  
On-site Disposal Facility- Cell 6

Total Spp.:	27	Mean CC <sup>b</sup> :	2.19
Native Spp.:	19	Average Cover:	82%
Non-Native Spp.:	8	FQAI <sup>c</sup> :	11.35
Percent Native:	70%		

Species <sup>a</sup>	Common Name	Type	CC <sup>b</sup>	Frequency (species/quadrat)	Relative Frequency
<i>Ambrosia artemisiifolia</i>	COMMON RAGWEED	forb	0	0.33	5%
<i>Andropogon gerardii</i>	BIG BLUESTEM	grass	5	0.58	9%
<i>Asclepias syriaca</i>	COMMON MILKWEED	forb	1	0.08	1%
<i>Aster pilosus</i>	AWL ASTER	forb	1	0.67	10%
<i>Bouteloua curtipendula</i>	SIDE-OATS GRAMA GRASS	grass	8	0.33	5%
<i>Carex frankii</i>	FRANK'S SEDGE	sedge	2	0.08	1%
<i>Chamaecrista fasciculata</i>	PARTRIDGE-PEA	forb	3	0.08	1%
<i>Conyza canadensis</i>	HORSEWEED	forb	0	0.17	2%
<i>Elymus canadensis</i>	CANADA WILD RYE	grass	6	0.58	9%
<i>Erigeron annuus</i>	DAISY FLEABANE	forb	0	0.25	4%
<i>Lactuca biennis</i>	TALL BLUE LETTUCE	forb	1	0.33	5%
<i>Monarda fistulosa</i>	WILD BERGAMOT	forb	3	0.08	1%
<i>Oenothera biennis</i>	COMMON EVENING-PRIMROSE	forb	1	0.08	1%
<i>Panicum virgatum</i>	SWITCH GRASS	grass	4	0.25	4%
<i>Ratibida pinnata</i>	GRAY-HEADED CONEFLOWER	forb	5	0.25	4%
<i>Schizachyrium scoparium</i>	LITTLE BLUESTEM	grass	5	0.50	7%
<i>Solidago canadensis</i>	CANADA GOLDENROD	forb	1	0.50	7%
<i>Solidago rigida</i>	STIFF GOLDENROD	forb	8	0.17	2%
<i>Sorghastrum nutans</i>	INDIAN GRASS	grass	5	0.17	2%
<i>Agrostis gigantea</i>	REDTOP	grass	0	0.25	4%
<i>Bromus japonicus</i>	JAPANESE BROME	grass	0	0.33	5%
<i>Daucus carota</i>	QUEEN-ANNE'S-LACE	forb	0	0.08	1%
<i>Dipsacus fullonum</i>	WILD TEASEL	forb	0	0.17	2%
<i>Medicago lupulina</i>	BLACK MEDICK	forb	0	0.25	4%
<i>Melilotus officinalis</i>	YELLOW SWEET-CLOVER	forb	0	0.08	1%
<i>Solanum carolinense</i>	HORSE NETTLE	forb	0	0.08	1%
<i>Verbascum thapsus</i>	COMMON MULLEIN	forb	0	0.08	1%
<b>Native Species:</b>				5.50	80%
<b>Non-Native Species:</b>				1.33	20%

<sup>a</sup>Species in bold are non-native

<sup>b</sup>CC = Coefficient of Conservatism

<sup>c</sup>FQAI = Floristic Quality Assessment Index