

# OSDF Cell 1 Post Closure Inspection Checklist

Date of Inspection: February 17, 2005

Weather Conditions: Partly cloudy

Time of Inspection: 2:30 P.M.

Temperature: 38 °F

Wind Speed (Miles per hour) and Direction: 10 mph. SE

Inspection By: Fluor Fernald, DOE-FCP, OLM, OEPA, Ohio Department of Health, Tetra Tech Inc.

Transect Direction: north/south

Inspection Component	Condition A* or U*	Comments	Corrective Action(s) Proposed	Reference Source
<b>1. Entrance Road/Monitoring Access Road</b>				
1A. Verify entrance gate, lock and signage are intact and in good working order.	A	N/A	N/A	PCC&IP 20100-PL-010 Rev. 1 July 97
1B. Verify that access gates are locked to prevent unauthorized entry.	A	N/A	N/A	"
1C. Visually observe condition of access road for signs of erosion, ruts, standing water, proper drainage and excess vegetation.	A	N/A	N/A	"
1D. Verify that access road surfacing, cross slope, reflectors, and signage are intact and in good condition.	A	N/A	N/A	"
<b>2. Chain Link Fence and Signage</b>				
2A. Walk length of fence and ensure fence, posts, etc. are intact and in good condition. Ensure that gates are closed/locked to prevent unauthorized entry.	A	N/A	N/A	PCC&IP & OSDF Tech Spec #02831
2B. Verify that the proper signage is intact and in good condition at the following locations: Restricted Access; Certified Area; and Restored Area. (Some signs not installed at this time).	A	N/A	N/A	"
2C. Check for vegetation growing over fences, barricades, signs and any noxious vegetation per State of Ohio Regulations (attached) and invasive plants growing on or around OSDF perimeter.	A	N/A	N/A	"
<b>3. Surface Water Management</b>				
3A. Check integrity of drainage channels around OSDF for erosion or debris restricting water flow (see attached map). Build up of debris/sedimentation in drainage ditch is not to exceed 6 inches.	A	N/A	N/A	OSDF Tech. Spec. #02270; PCC&IP
3B. Visually check the integrity of RipRap in drainage channels for signs of deterioration or removal of rock.	A	N/A	N/A	See above & OSDF Tech. Spec. #02271
3C. Visually check for the presence of woody vegetation growing in drainage channels and in Rip-Rap	A	N/A	N/A	"
3D. Visually check the integrity of run-on and run-off control features including: Ditch checks, Gravity Inlet structures, and Culverts.	A	N/A	N/A	See above & Construction Drawing # 90X- 6000-G-0007B

\*A = Satisfactory \*U = Unsatisfactory (comments required)

\*\* Transect Direction should alternate each inspection (North to South & East to West)

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Transect Direction: north/south

Inspection Component	Condition A* or U*	Comments	Corrective Action(s) Proposed	Reference Source
<b>4. (A) Final Cover</b>				
4A. Walk cover and side slopes in 25-ft (+/- 5-ft) transects and visually inspect for the following items:**				PCC&IP
4A1. Inspect erosion rills/channels. Flag any observable rills/channels greater than 3 inches wide and 6 inches deep or excessive erosion.	U	Some small erosion rills present	Rills did not measure 3" by 6" and do not require repair	"
4A2. Any observable depressions, settlement/subsidence, slumping or desiccation cracks. Flag any observable depressions, slumps, settlement/subsidence or desiccation cracks.	U	There is one area on the east side where a rill has opened up into a shallow depression.	Depression will be filled with topsoil and seeded.	"
4A3. Any ponding or standing water. Flag any standing water.	A	N/A	N/A	"
4A4. Evidence of burrowing animals or other bio-intrusion. Flag any observable evidence of bio-intrusion.	U	There are locations where animals were digging. Most of the burrows do not go more than a few inches at most locations. One burrow is deeper than a few inches and has two openings.	None of the burrows are currently active after a few weeks. Removed soil was pushed back into holes. One burrow was filled with new topsoil and seeded.	"
4A5. Evidence of vehicle traffic on the OSDF cap.	A	N/A	N/A	"
4B. Walk toe of slope and visually inspect for the following:				PCC&IP & Phase III Drwgs #90X-6000-G- 00302 & 90X-6000-G- 00310
4B1. Evidence of settlement/subsidence, erosion, and seepage. Flag any observable evidence of settlement/subsidence, erosion, or seepage.	A	N/A	N/A	"
4B2. A 20-ft corridor at the toe for the presence of woody vegetation, siltation, and/or biointrusion. Flag any woody vegetation, siltation, and/or biointrusion.	A	N/A	N/A	"
4B3. Condition of rip-rap. Flag any observable abnormalities.	A	N/A	N/A	"
4C. Inspect toe at final cover for evidence of freezing or siltation. Flag any observable abnormalities.	A	N/A	N/A	"

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Transect Direction: north/south

Inspection Component	Condition A* or U*	Comments	Corrective Action(s) Proposed	Reference Source
<b>4. (B) Final Cover — Vegetation</b>				
4D. Walk cover and side slopes in 25-ft (+/- 5-ft) transects and visually check vegetative cover for the following:				OSDF Tech. Spec. #02930
4D1. General health of grass cover and signs of stressed or dead grass should be noted.	A	N/A	N/A	“
4D2. Adequate grass coverage/density with no bares spots greater than 3-ft in diameter. Flag any bare spots greater than 3-ft in diameter. Any areas with questionable vegetative coverage will be sampled for percent cover and type of vegetation using meter-square quadrats.	A	N/A	N/A	“
4D3. Inspect the cover for the presence of woody vegetation (i.e., trees or shrubs) or noxious/invasive plants growing. Flag any woody and/or noxious/invasive vegetation for removal/herbicide.	U	Thistle is growing in a couple of patches on the north face of the cell.	Thistle will be treated with a selective herbicide.	“
<b>5. Cover Monitoring System</b>				
5A. Visually inspect the integrity of the cover monitoring system: check Junction boxes, manholes, pressure transducer risers, soil water status nest headers, and settlement plates of the remote monitoring system for evidence of damage (see attached map). Check that lids and caps on enclosures are intact and in good working order.	N/A	N/A	N/A	OSDF Drwg. # 90X-5500-E-00581 & 90X-5500-G-00577
5B. Visually inspect monitoring system manholes and junction boxes for the presence of animals, insects, rodents or misc. biota. Note the presence or evidence of any biota.	N/A	N/A	N/A	“
5C. Visually inspect manholes and junction boxes and their immediate vicinity for the presence of standing water. Flag all standing water.	N/A	N/A	N/A	“
<b>6. Groundwater Monitoring Wells</b>				
6A. Visually inspect all groundwater wells for damage and integrity of well infrastructure.	A	N/A	N/A	PPC&IP
6A1. Groundwater Monitoring Wells	A	N/A	N/A	“
6A2. Horizontal Monitoring Wells	A	N/A	N/A	“

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Inspection By: Fluor Fernald, DOE-FCP, OLM, OEPA, Ohio Department of Health, Tetra Tech Inc.

Transect Direction: north/south

Inspection Component	Condition A* or U*	Comments	Corrective Action(s) Proposed	Reference Source
<b>7. Miscellaneous</b>				
7A. Visually inspect the integrity of survey benchmarks. Flag/note any abnormalities.	A	N/A	N/A	PPC&IP
7B. Visually inspect the integrity of the perched water interceptor trench (once installed). Note any abnormalities.	A	N/A	N/A	
7C. Visually observe/inspect the corridor 50-ft outside of OSDF for signs/evidence of land use changes, settlement/subsidence, erosion, standing water, encroachment, livestock grazing or noxious vegetation. Note any changes/abnormalities.	A	N/A	N/A	
7D. Visually inspect all infrastructure for any act of vandalism.	A	N/A	N/A	“
7E. List any other observations not noted in the categories above.	U	Some coir matting is bunched up on the east side of the cell, very near cell 2.	Materials will be removed and discarded.	“

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# OSDF Cell 2 Post Closure Inspection Checklist

Date of Inspection: February 17, 2005

Weather Conditions: Partly cloudy

Time of Inspection: 2:30 P.M.

Temperature: 38 °F

Wind Speed (Miles per hour) and Direction: 10 mph SE

Inspection By: Fluor Fernald, DOE-FCP, OLM, OEPA, Ohio Department of Health, Tetra Tech, Inc.

Transect Direction\*\*: north/south

Inspection Component	Condition A* or U*	Comments	Corrective Action(s) Proposed	Reference Source
<b>1. Entrance Road/Monitoring Access Road</b>				
1A. Verify entrance gate, lock and signage are intact and in good working order.	A	N/A	N/A	PCC&IP 20100-PL-010 Rev. 1 July 97
1B. Verify that access gates are locked to prevent unauthorized entry.	A	N/A	N/A	"
1C. Visually observe condition of access road for signs of erosion, ruts, standing water, proper drainage and excess vegetation.	A	N/A	N/A	"
1D. Verify that access road surfacing, cross slope, reflectors, and signage are intact and in good condition.	A	N/A	N/A	"
<b>2. Chain Link Fence and Signage</b>				
2A. Walk length of fence and ensure fence, posts, etc. are intact and in good condition. Ensure that gates are closed/locked to prevent unauthorized entry.	A	N/A	N/A	PCC&IP & OSDF Tech Spec #02831
2B. Verify that the proper signage is intact and in good condition at the following locations: Restricted Access; Certified Area; and Restored Area. (Some signs not installed at this time).	A	N/A	N/A	"
2C. Check for vegetation growing over fences, barricades, signs and any noxious vegetation per State of Ohio Regulations (attached) and invasive plants growing on or around OSDF perimeter.	A	N/A	N/A	"
<b>3. Surface Water Management</b>				
3A. Check integrity of drainage channels around OSDF for erosion or debris restricting water flow (see attached map). Build up of debris/sedimentation in drainage ditch is not to exceed 6 inches.	A	N/A	N/A	OSDF Tech. Spec. #02270; PCC&IP
3B. Visually check the integrity of RipRap in drainage channels for signs of deterioration or removal of rock.	A	N/A	N/A	See above & OSDF Tech. Spec. #02271
3C. Visually check for the presence of woody vegetation growing in drainage channels and in Rip-Rap	A	N/A	N/A	"
3D. Visually check the integrity of run-on and run-off control features including: Ditch checks, Gravity Inlet structures, and Culverts.	A	N/A	N/A	See above & Construction Drawing # 90X- 6000-G-00073

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Transect Direction\*\*: north/south

Inspection Component	Condition A* or U*	Comments	Corrective Action(s) Proposed	Reference Source
<b>4. (A) Final Cover</b>				
4A. Walk cover and side slopes in 25-ft (+/- 5-ft) transects and visually inspect for the following items:**				PCC&IP
4A1. Inspect erosion rills/channels. Flag any observable rills/channels greater than 3 inches wide and 6 inches deep or excessive erosion.	U	Some small erosion rills are present.	Rills do not measure 3" by 6" and do not need repair.	"
4A2. Any observable depressions, settlement/subsidence, slumping or desiccation cracks. Flag any observable depressions, slumps, settlement/subsidence or desiccation cracks.	A	N/A	N/A	"
4A3. Any ponding or standing water. Flag any standing water.	A	N/A	N/A	"
4A4. Evidence of burrowing animals or other bio-intrusion. Flag any observable evidence of bio-intrusion.	U	There is evidence of animals digging. The burrows do not go more than a few inches.	None of the burrows are currently active after a few weeks. Removed soil was pushed back into holes.	"
4A5. Evidence of vehicle traffic on the OSDF cap.	A	N/A	N/A	"
4B. Walk toe of slope and visually inspect for the following:				PCC&IP & Phase III Drwgs #90X-6000-G-00302 & 90X-6000-G-00310
4B1. Evidence of settlement/subsidence, erosion, and seepage. Flag any observable evidence of settlement/subsidence, erosion, or seepage.	A	N/A	N/A	"
4B2. A 20-ft corridor at the toe for the presence of woody vegetation, siltation, and/or biointrusion. Flag any woody vegetation, siltation, and/or biointrusion.	A	N/A	N/A	"
4B3. Condition of rip-rap. Flag any observable abnormalities.	A	N/A	N/A	"
4C. Inspect toe at final cover for evidence of freezing or siltation. Flag any observable abnormalities.	A	N/A	N/A	"

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Transect Direction\*\*: north/south

Inspection Component	Condition A* or U*	Comments	Corrective Action(s) Proposed	Reference Source
<b>4. (B) Final Cover — Vegetation</b>				
4D. Walk cover and side slopes in 25-ft (+/- 5-ft) transects and visually check vegetative cover for the following:				OSDF Tech. Spec. #02930
4D1. General health of grass cover and signs of stressed or dead grass should be noted.	A	N/A	N/A	“
4D2. Adequate grass coverage/density with no bares spots greater than 3-ft in diameter. Flag any bare spots greater than 3-ft in diameter. Any areas with questionable vegetative coverage will be sampled for percent cover and type of vegetation using meter-square quadrats.	A	N/A	N/A	“
4D3. Inspect the cover for the presence of woody vegetation (i.e., trees or shrubs) or noxious/invasive plants growing. Flag any woody and/or noxious/invasive vegetation for removal/herbicide.	A	N/A	N/A	“
<b>5. Cover Monitoring System</b>				
5A. Visually inspect the integrity of the cover monitoring system: check Junction boxes, manholes, pressure transducer risers, soil water status nest headers, and settlement plates of the remote monitoring system for evidence of damage (see attached map). Check that lids and caps on enclosures are intact and in good working order.	N/A	N/A	N/A	OSDF Drwg. # 90X-5500-E-00581 & 90X-5500-G-00577
5B. Visually inspect monitoring system manholes and junction boxes for the presence of animals, insects, rodents or misc. biota. Note the presence or evidence of any biota.	N/A	N/A	N/A	“
5C. Visually inspect manholes and junction boxes and their immediate vicinity for the presence of standing water. Flag all standing water.	N/A	N/A	N/A	“
<b>6. Groundwater Monitoring Wells</b>				
6A. Visually inspect all groundwater wells for damage and integrity of well infrastructure.	A	N/A	N/A	PPC&IP
6A1. Groundwater Monitoring Wells	A	N/A	N/A	“
6A2. Horizontal Monitoring Wells	A	N/A	N/A	“

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Transect Direction\*\*: north/south

Inspection Component	Condition A* or U*	Comments	Corrective Action(s) Proposed	Reference Source
<b>7. Miscellaneous</b>				
7A. Visually inspect the integrity of survey benchmarks. Flag/note any abnormalities.	N/A	N/A	N/A	PPC&IP
7B. Visually inspect the integrity of the perched water interceptor trench (once installed). Note any abnormalities.	A	N/A	N/A	
7C. Visually observe/inspect the corridor 50-ft outside of OSDF for signs/evidence of land use changes, settlement/subsidence, erosion, standing water, encroachment, livestock grazing or noxious vegetation. Note any changes/abnormalities.	A	N/A	N/A	
7D. Visually inspect all infrastructure for any act of vandalism.	A	N/A	N/A	“
7E. List any other observations not noted in the categories above.	U	A piece of orange snow fence and some larger rocks are present on the cap.	Piece of fencing and rocks will be removed from the cap.	“

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# OSDF Cell 3 Post Closure Inspection Checklist

Date of Inspection: February 17, 2005

Weather Conditions: Partly cloudy

Time of Inspection: 2:30 p.m.

Temperature: 38 °F

Wind Speed (Miles per hour) and Direction: 10 mph SE

Inspection By: Fluor Fernald, DOE-FCP, OLM, OEPA, Ohio Department of Health, Tetra Tech, Inc.

Transect Direction\*\* north/south

Inspection Component	Condition A* or U*	Comments	Corrective Action(s) Proposed	Reference Source
<b>1. Entrance Road/Monitoring Access Road</b>				
1A. Verify entrance gate, lock and signage are intact and in good working order.	A	N/A	N/A	PCC&IP 20100-PL-010 Rev. 1 July 97
1B. Verify that access gates are locked to prevent unauthorized entry.	A	N/A	N/A	"
1C. Visually observe condition of access road for signs of erosion, ruts, standing water, proper drainage and excess vegetation.	A	N/A	N/A	"
1D. Verify that access road surfacing, cross slope, reflectors, and signage are intact and in good condition.	A	N/A	N/A	"
<b>2. Chain Link Fence and Signage</b>				
2A. Walk length of fence and ensure fence, posts, etc. are intact and in good condition. Ensure that gates are closed/locked to prevent unauthorized entry.	A	N/A	N/A	PCC&IP & OSDF Tech Spec #02831
2B. Verify that the proper signage is intact and in good condition at the following locations: Restricted Access; Certified Area; and Restored Area. (Some signs not installed at this time).	A	N/A	N/A	"
2C. Check for vegetation growing over fences, barricades, signs and any noxious vegetation per State of Ohio Regulations (attached) and invasive plants growing on or around OSDF perimeter.	A	N/A	N/A	"
<b>3. Surface Water Management</b>				
3A. Check integrity of drainage channels around OSDF for erosion or debris restricting water flow (see attached map). Build up of debris/sedimentation in drainage ditch is not to exceed 6 inches.	A	N/A	N/A	OSDF Tech. Spec. #02270; PCC&IP
3B. Visually check the integrity of RipRap in drainage channels for signs of deterioration or removal of rock.	A	N/A	N/A	See above & OSDF Tech. Spec. #02271
3C. Visually check for the presence of woody vegetation growing in drainage channels and in Rip-Rap	A	N/A	N/A	"
3D. Visually check the integrity of run-on and run-off control features including: Ditch checks, Gravity Inlet structures, and Culverts.	A	N/A	N/A	See above & Construction Drawing # 90X- 6000-G-00073

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Inspection By: Fluor Fernald, DOE-FCP, OLM, OEPA, Ohio Department of Health, Tetra Tech, Inc.

Transect Direction\*\* north/south

Inspection Component	Condition A* or U*	Comments	Corrective Action(s) Proposed	Reference Source
<b>4. (A) Final Cover</b>				
4A. Walk cover and side slopes in 25-ft (+/- 5-ft) transects and visually inspect for the following items:**				PCC&IP
4A1. Inspect erosion rills/channels. Flag any observable rills/channels greater than 3 inches wide and 6 inches deep or excessive erosion.	U	Some small erosion rills are present.	Rills do not measure 3" by 6" and do not need repair.	"
4A2. Any observable depressions, settlement/subsidence, slumping or desiccation cracks. Flag any observable depressions, slumps, settlement/subsidence or desiccation cracks.	U	Large, elongated depression along top of cell 3.	Depression will be monitored for future need of repair.	"
4A3. Any ponding or standing water. Flag any standing water.	A	N/A	N/A	"
4A4. Evidence of burrowing animals or other bio-intrusion. Flag any observable evidence of bio-intrusion.	A	N/A	N/A	"
4A5. Evidence of vehicle traffic on the OSDF cap.	A	N/A	N/A	"
4B. Walk toe of slope and visually inspect for the following:				PCC&IP & Phase III Drwgs #90X-6000-G- 00302 & 90X-6000-G- 00310
4B1. Evidence of settlement/subsidence, erosion, and seepage. Flag any observable evidence of settlement/subsidence, erosion, or seepage.	A	N/A	N/A	"
4B2. A 20-ft corridor at the toe for the presence of woody vegetation, siltation, and/or biointrusion. Flag any woody vegetation, siltation, and/or biointrusion.	A	N/A	N/A	"
4B3. Condition of rip-rap. Flag any observable abnormalities.	A	N/A	N/A	"
4C. Inspect toe at final cover for evidence of freezing or siltation. Flag any observable abnormalities.	A	N/A	N/A	"

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Transect Direction\*\* north/south

Inspection Component	Condition A* or U*	Comments	Corrective Action(s) Proposed	Reference Source
<b>4. (B) Final Cover — Vegetation</b>				
4D. Walk cover and side slopes in 25-ft (+/- 5-ft) transects and visually check vegetative cover for the following:				OSDF Tech. Spec. #02930
4D1. General health of grass cover and signs of stressed or dead grass should be noted.	A	N/A	N/A	“
4D2. Adequate grass coverage/density with no bares spots greater than 3-ft in diameter. Flag any bare spots greater than 3-ft in diameter. Any areas with questionable vegetative coverage will be sampled for percent cover and type of vegetation using meter-square quadrats.	U			“
4D3. Inspect the cover for the presence of woody vegetation (i.e., trees or shrubs) or noxious/invasive plants growing. Flag any woody and/or noxious/invasive vegetation for removal/herbicide.	A	N/A	N/A	“
<b>5. Cover Monitoring System</b>				
5A. Visually inspect the integrity of the cover monitoring system: check Junction boxes, manholes, pressure transducer risers, soil water status nest headers, and settlement plates of the remote monitoring system for evidence of damage (see attached map). Check that lids and caps on enclosures are intact and in good working order.	N/A	N/A	N/A	OSDF Drwg. # 90X-5500-E-00581 & 90X-5500-G-00577
5B. Visually inspect monitoring system manholes and junction boxes for the presence of animals, insects, rodents or misc. biota. Note the presence or evidence of any biota.	N/A	N/A	N/A	“
5C. Visually inspect manholes and junction boxes and their immediate vicinity for the presence of standing water. Flag all standing water.	N/A	N/A	N/A	“
<b>6. Groundwater Monitoring Wells</b>				
6A. Visually inspect all groundwater wells for damage and integrity of well infrastructure.	A	N/A	N/A	PPC&IP
6A1. Groundwater Monitoring Wells	A	N/A	N/A	“
6A2. Horizontal Monitoring Wells	A	N/A	N/A	“

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Transect Direction\*\* north/south

Inspection Component	Condition A* or U*	Comments	Corrective Action(s) Proposed	Reference Source
<b>7. Miscellaneous</b>				
7A. Visually inspect the integrity of survey benchmarks. Flag/note any abnormalities.	A	N/A	N/A	PPC&IP
7B. Visually inspect the integrity of the perched water interceptor trench (once installed). Note any abnormalities.	A	N/A	N/A	
7C. Visually observe/inspect the corridor 50-ft outside of OSDF for signs/evidence of land use changes, settlement/subsidence, erosion, standing water, encroachment, livestock grazing or noxious vegetation. Note any changes/abnormalities.	A	N/A	N/A	
7D. Visually inspect all infrastructure for any act of vandalism.	A	N/A	N/A	“
7E. List any other observations not noted in the categories above.	A	N/A	N/A	“

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# On-Site Disposal Facility Inspection Report February 2005

Graphic 8370.1

5/05



8117D-89

**OSDF 5/05  
(looking south)**

Graphic 8370.2

5/05



**Cell 1 North Drainage**  
(looking west)

Graphic 8370.3

5/05



**Cell 1 North Drainage**  
(looking east)

Graphic 8370.4

5/05



**Cell 2 West Drainage**  
(looking south)

Graphic 8370.5

5/05



**Cell 1 West Face**

Graphic 8370.6

5/05



**Cell 2 West Face**

Graphic 8370.7

5/05



**Cell 3 West Face**

Graphic 8370.8

5/05



**Cell 1 North Face**

Graphic 8370.9

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**Cell 1 East Drainage  
(looking south)**

Graphic 8370.10

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**Cell 1 East Face**

Graphic 8370.11

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**Cell 2 East Face**

Graphic 8370.12

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**Cell 3 East Face**

Graphic 8370.13

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**Animal Burrow**

Graphic 8370.14

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