

Orofino Asbestos Repository Site – First Baptist Church

Field Maintenance Form

Routine Maintenance ☐ or Temporary Maintenance ☐ Date Completed: _____ Inspector Name (printed): _____

Reason for Temporary Maintenance: _____

Site Structure	Failure Criteria	Suggested Maintenance and Repair	Who will Perform the Task	Maintenance and Repair Completed ¹
1. Asphalt Cap (see Section 3.1 of the M&M Plan)				
Asphalt surface	Signs of wear, weathering	Reseal asphalt as needed. Estimated frequency is every 5 years. The frequency will depend on observed conditions.	Contractor or Church (To be discussed with the EPA Project Manager)	
Cracks, ruts, gouges or penetrations	Formation of cracks, ruts or gouges on cap \geq ½ inch deep ²	Annually fill in cracks with asphalt filler.	Contractor or Church	
Subsidence and differential settlement (mass movement of consolidated materials)	Presence of a depression deep enough to pond 1 inch of water	Place asphalt patch per specifications (see Specification Note A below).	Contractor Or Church (To be discussed with the EPA Project Manager)	
Parking space stop	Loose, damaged or movement of parking space stops	Stabilize stoppers. Replace stops if not effective for intended purpose.	Contractor	
2. Soil Cap (Dry Retention Basin) (see Section 3.2 of the M&M Plan)				
Vegetated Area	As needed	Water the grass (as needed)	Church Member	

Orofino Asbestos Repository Site – First Baptist Church

Field Maintenance Form

Site Structure	Failure Criteria	Suggested Maintenance and Repair	Who will Perform the Task	Maintenance and Repair Completed ¹
Vegetation Height	As needed	Maintain vegetation height at less than 6 inches	Church Member	
Sparse vegetated areas or stressed vegetation	Bare soil areas \geq 20 square feet or total vegetation cover \leq 70%	Reseed bare areas with certified pure live seed of sheep fescue and hard fescue or similar suitable materia (4 lbs per acre each); consider use of fertilizers or soil amendments to improve vegetation growth. Evaluate conditions that may have caused formation of bare areas.	Contractor Or Church	
Deep-rooted vegetation	Presence of tree, shrub, brush or other woody or deep-rooted plant growth	Remove plant growth in such a manner that the underlying soils are not disturbed.	Contractor Or Church	
Erosion	Formation of rills or gullies on cap \geq 2 inches deep	Place clean, loamy material free of roots, contaminants and other deleterious and objectionable material meeting Idaho Transportation Department topsoil specifications (see Specification Note B below) or similar suitable materia . Reseed as stated above.	Contractor Or Church	
Subsidence and differential settlement (mass movement of consolidated materials)	Presence of depressions \geq 5 feet in length and \geq 2 inches deep			
Damage due to wildlife	Presence of burrowing animals, bare areas \geq 10 square feet, or holes \geq 2 inches deep			
PVC liner	Exposed PVC liner or any penetration of the soil cap \geq 6 inches (minimum cap thickness)	Repair the area as stated for Erosion repairs, above. Contact the monitoring agency.	Contractor	

Orofino Asbestos Repository Site – First Baptist Church
Field Maintenance Form

Site Structure	Failure Criteria	Suggested Maintenance and Repair	Who will Perform the Task	Maintenance and Repair Completed ¹
Dry retention basin	Slow water drainage, standing water, or saturated soils (water should drain within 48 hours)	Make repairs as stated in Drainage and Erosion, below. If these do not solve the issue of standing water then contact the monitoring agency.	Contractor Or Church	

Orofino Asbestos Repository Site – First Baptist Church

Field Maintenance Form

Site Structure	Failure Criteria	Suggested Maintenance and Repair	Who will Perform the Task	Maintenance and Repair Completed ¹
3. Drainage Features (see Section 3.3 of the M&M Plan)				
Aggregate and riprap for slope protection and stabilization	Debris and sediment accumulation, or material movement, sloughing, scouring, or slumping	Remove debris and sediment accumulation. Add aggregate and riprap to match the specifications shown in the Record Drawings (Attachment 1 of the M&M Plan) for the area of repair.	Contractor Or Church	
Washed-rock drainage apron between asphalt cap and soil cap	Debris and sediment accumulation, or vegetation growing, or material movement, sloughing, scouring, or slumping	Remove debris and sediment accumulation using pressure washer or leaf blower (do not disturb underlying soil or PVC liner). Remove vegetation. Add 1.5 inch washed drain rock adjacent to asphalt cap or 1.5 inch to 3 inch washed drain rock adjacent to soil cap as necessary.	Church Member	
Washed-rock drainage apron between asphalt cap and soil cap	Wet or standing water	Remove debris and sediment. If attempted cleaning does not solve issue of standing water contact the monitoring agency.	Church Member	
Drain rock around dry well	Debris and sediment accumulation, or material movement, sloughing, scouring, or slumping	Remove debris and sediment accumulation using pressure washer or leaf blower (do not disturb underlying soil or PVC liner). Add 1.5 inch to 3 inch washed drain rock adjacent to dry well as necessary.	Church Member	
Drain rock around dry well	Wet or standing water around the dry well	Remove debris and sediment. If attempted cleaning does not solve issue of standing water contact the monitoring agency.	Church Member	
Buried dry wells below retaining wall	Wet soil, standing water, erosion.	Retain a contractor with experience in cleaning out dry wells to remove debris (Refer to Note 3 at the end)	Contractor	

Orofino Asbestos Repository Site – First Baptist Church

Field Maintenance Form

Site Structure	Failure Criteria	Suggested Maintenance and Repair	Who will Perform the Task	Maintenance and Repair Completed ¹
4. Dry Well and Manhole Assembly (see Section 3.4 of the M&M Plan)				
Dry well	Vegetation restricting proper drainage	Remove vegetation from drain rock and keep vegetation in drainage swale trimmed to 6 inches or less.	Church Member	
Dry well	Accumulation of debris, sediment or other obstructions inside dry well impacting water infiltration; standing water inside dry well ³	Retain a contractor with experience in cleaning out dry wells to remove debris (Refer to Note 3).	Contractor	
Manhole cover	Security assembly properly in place	Any repair to the manhole assembly should be completed by a contractor that has experience repairing such equipment.	Contractor	
5 Retaining Wall (see Section 3.5 of the M&M Plan)				
Retaining Wall	As needed	Remove vegetation between blocks	Church Member	
Ramp to base of retaining wall	Erosion, etc.	Rebuild or repair	Contractor Or Church	
Base of retaining wall	Erosion, slumping, movement of soil at base.	Contact EPA Emergency Management Program: 206-553-1263	Contractor	
Blocks	Material washout from around retaining blocks or movement of blocks	Contact EPA Emergency Management Program: 206-553-1263.	Contractor	
Toe of retaining wall	Standing water, saturated soils, or movement of soil at the base of the wall	Contact EPA Emergency Management Program: 206-553-1263.	Contractor	

Field Maintenance Form

Site Structure	Failure Criteria	Suggested Maintenance and Repair	Who will Perform the Task	Maintenance and Repair Completed ¹
6. Fencing (see Section 3.6 of the M&M Plan)				
Fencing	Loose or damaged posts, or missing post caps, or loose or damaged chain link sections	Repair loose posts. Replace damaged posts. Replace missing post caps. Repair loose or damaged chain link sections.	Church Member	
Additional Explanation/Comments/Notes:				
Areas of potential concern:				

1. The specifics of any repairs associated with damage to the asphalt barrier and cap and/or the PVC liner, including the timeframe until a permanent repair is made, will be developed on a case-specific basis and will be subject to EPA approval.
2. Repairs associated with damage to the asphalt barrier and cap and/or the PVC liner that may result in the release of or exposure to ACM or contaminated soil must be performed by a licensed asbestos contractor with certified asbestos supervisors and workers.
3. No one should enter the drywell without implementing the proper confined space procedures as per 29 CFR 1910.146.

Inspector signature: _____ Date: _____

Inspector title: _____ Inspector Affiliation: _____

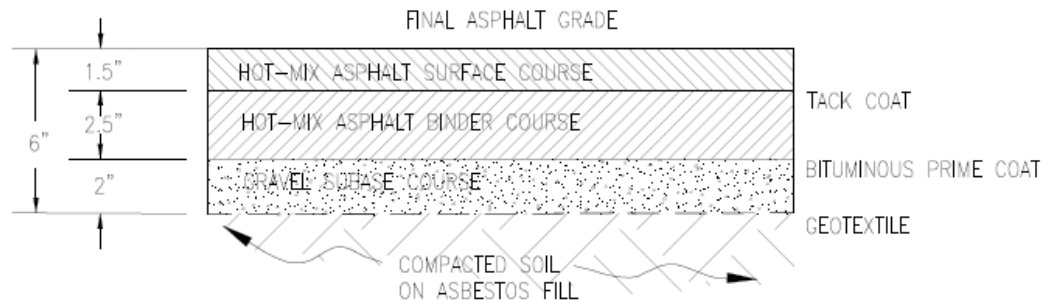
Orofino Asbestos Repository Site – First Baptist Church
Field Maintenance Form

SPECIFICATION NOTES

Source of Specifications: 2015 Site Restoration Repairs (Ecology and Environment, Inc., April 2015, *2015 Site Restoration Repairs*, Orofino Asbestos Site, Orofino, Idaho, prepared for the United States Environmental Protection Agency, Seattle, Washington). These plans are included in Appendix D of the Repository Stability Assessment Report (Ecology and Environment, Inc., May 2017, *Final Report, Orofino Asbestos Site, Repository Stability Assessment*, Orofino, Idaho, prepared for the United States Environmental Protection Agency, Seattle, Washington), which is available at the US EPA Region 10 Records Center, 1200 6th Avenue, Seattle, Washington 98101.

A. Asphalt Repair

1. Use Idaho Transportation Department, Standard Specifications for Highway Construction [IDASPEC] for Asphalt Materials.
2. The existing asphalt shall be sawcut through the entire asphalt section prior to excavation.
3. Sawcut edges are to be tacked with hot liquid asphalt.
4. Work resulting in irregular trench widths or incidental damage to the lot surface will require another sawcut and subsequent removal of asphalt.
5. Restore asphalt section in accordance with the asphalt repair cross section shown below.



6. Asphalt joints/seams shall be sealed with hot liquid asphalt, or approved equal, and sanded.
7. Protect subgrades from softening, undermining, washout, and damage by rain or water accumulation.
8. Asphalt granular base and subbase courses shall be size three quarter inch ($\frac{3}{4}$ ") meeting requirements as specified in IDASPEC Sections 703.01 and 703.04.

B. Topsoil

Orofino Asbestos Repository Site – First Baptist Church
Field Maintenance Form

Table C-3.1 Topsoil Gradation	
Sieve Size	Percentage by Weight Required to Pass a Square Mesh Sieve
1 inch	98-100
No. 4	95-100
No. 8	80-100
No. 200	15-80

Table C-3.2 Topsoil Chemistry		
Property	Minimum	Maximum
pH	5.5	7.8
ESP	--	10
EC	--	80
Organic Material	0.5	15
ESP = Exchangeable Sodium Percentage		
EC = Electrical Conductivity, mOhhms/cm at 77 deg.		