

**AMD Treatment System Form for Datashed
 AML/AMD Remediation Projects**

Project Name: SR114 B&D (Slippery Rock Passive Treat Rehab & Maintenance) AMLIS #: PA 0747
 Latitude: 41.095278 Longitude: -79.826944 Determined by GPS? Y N
 Watershed Name: Slippery Rock Creek Receiving Stream: Slippery Rock Creek
 USGS Quadrangle: Hilliard's, PA County: Butler
 Township/City: Washington Township

Contact Person/Organization:							
Name:				Address:			
Cliff Denholm/Stream Restoration Incorporated				PO Box 837			
Telephone Number + Area Code:							
(724)-279-5080							
Email Address:							
sri@streamrestorationinc.org							
Organization responsible for operation/maintenance of project if different than above:							
Name:				Address:			
Telephone Number + Area Code:							
Email Address:							
Source of AMD:							
Underground	<input checked="" type="checkbox"/>	Surface	<input type="checkbox"/>	Refuse	<input type="checkbox"/>	Oil-Gas well	<input type="checkbox"/>
Treatment System Information:							
Year Re-Constructed:	2023			Total Capital Cost:	\$ 296672.65		
Was this a Rehabilitation Project?	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	Date of Original System:	1995	Costs Of Rehabilitation:	\$ 339948.10	
Describe Rehabilitation Activities: See as-built plan and final report on Datashed for additional detail. Sludge, sediment, and organic debris were removed from system components and placed in sludge pond on-site. Anoxic limestone drains (ALD B & ALD D) were expanded and had treatment media replaced. Pond B was expanded, and a windowed baffle curtain was installed in the pond. A directional baffle curtain was installed in Pond D1.							

If this project includes land reclamation as more than 50% of the total cost, what is the estimated cost of the land reclamation? \$ _____

Primary Funding Partners and Funding Provided	
Source	Amount
Title IV, Appalachian Clean Streams	
PADEP Growing Greener	\$280,586.78
PADEP Other	
PADCNR	
AMD Set Aside Funds	
EPA Section 319	
OSM Watershed Cooperative Assistance Program	\$56,203.27
NRCS	
EPA Watershed Protection	
USCOE	
University	
Bond Forfeiture	
Reclamation in Lieu of Penalty	
Consent Order	
Foundation for PA Watersheds	\$7,500.00
Private/Foundation	
In-kind Contributions	\$93,806.80
Other Funding Partner (Please note)	\$10,188.98 Butler Co. Conserv. Dst SGL95 O&M Fund

Treatment Technology: Select all that apply at the site.

Treatment System	# of Treatment Cells	Contain Siphon Automatic Flushing		Comments
		Y	N	
Typical methods		<input type="checkbox"/>	<input type="checkbox"/>	
Aerobic Wetland	3	<input type="checkbox"/>	<input checked="" type="checkbox"/>	3 wetland cells cleaned of sludge during rehabilitation
Anaerobic Wetland		<input type="checkbox"/>	<input type="checkbox"/>	
ALD	2	<input type="checkbox"/>	<input checked="" type="checkbox"/>	ALD B contains 487 tons of limestone; ALD D contains 1,568 tons of limestone
Limestone Sand Dosing		<input type="checkbox"/>	<input type="checkbox"/>	
Diversion Well/Mechanical Limestone Addition		<input type="checkbox"/>	<input type="checkbox"/>	
Oxic Limestone Drain (OLD)		<input type="checkbox"/>	<input type="checkbox"/>	
Oxic Limestone Channel (OLC)		<input type="checkbox"/>	<input type="checkbox"/>	
Low pH Fe Oxidation Channel		<input type="checkbox"/>	<input type="checkbox"/>	
Limestone Pond (Specify UP, DF or HF under comments)		<input type="checkbox"/>	<input type="checkbox"/>	
SAP (Specify UP, DF or HF under comments)		<input type="checkbox"/>	<input type="checkbox"/>	
Bio-Reactor (Specify UP, DF or HF under comments)		<input type="checkbox"/>	<input type="checkbox"/>	
VFP (Specify UP, DF or HF under comments)		<input type="checkbox"/>	<input type="checkbox"/>	
Manganese Removal Bed		<input type="checkbox"/>	<input type="checkbox"/>	
Pyrolusite Bed		<input type="checkbox"/>	<input type="checkbox"/>	
Settling/oxidation Pond	2	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Baffle curtains installed in Pond B (windowed) and Pond D1 (directional)

UF = Upflow

DF = Downflow (like in a traditional SAP)

HF = Horizontal Flow

Other Methods	Comments
Well Plugging	
Steel Slag	
Land Reclamation to cover toxic material or prevent water infiltration.	
In-Situ Treatment <i>(Include type under comments)</i>	
Chemical Addition Treatment Plant <i>(Include Chemical used under comments)</i>	
Lime Doser <i>(Include Chemical used under comments)</i>	
Mechanical Aeration <i>(Include type under comments)</i>	
Others <i>(discuss in comments)</i>	

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Project Designer:			
BioMost, Inc.			
Organization:			Telephone Number + Area Code:
See above.			724-776-0161
Water Information:			
	Inflow	Outflow	Load Reductions (lbs/day)
Flow (gpm)	See Datashed	See Datashed	See Datashed
pH			
Total Iron (mg/L)			
Ferrous Iron (mg/L)			
Hot Acidity (mg/L)			
Alkalinity (mg/L)			
Total Aluminum (mg/L)			
Total Manganese (mg/L)			
Date of Collection			

If more detailed water quantity and quality data is available, please provide the following:	
Contact:	Uploaded to datashed.org
Telephone:	
Email:	

If receiving stream or macroinvertebrate information is available please provide the following:		
Contact:		
Telephone:		
Email:		
Comments: <i>(specific to O&M; performance; impact on receiving stream. Include date of inspection and name and telephone number of person making comment)</i>		
Date	Name	Telephone Number + Area Code
Comment: <u>As-Builts and OM&R Plan posted on www.datashed.org</u>		

Any links specific to this watershed that should be included?	
Web Address	See Datashed.

Send to your DEP Project Advisor with your Final Report Paperwork: One digital copy of the AMD Treatment System Form for Datashed, the Operational, Maintenance and Repair/Replacement (O, M & R) Plan that includes the “as-built” drawings and site schematics in PDF, and any water quality information in EXCEL format.