3710-FM-BCR0479 7/2012

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CONSERVATION AND RESTORATION

AMD Treatment System Form for Datashed

AML/AMD Remediation Projects

Project Name: Glenn 19 AMLIS #: _____

Latitude: 41 11 25 Longitude: 79 12 18 Determined by GPS? Y ☒ N ☐

Watershed Name: Mill Creek Receiving Stream: Little Mill Creek

USGS Quadrangle: Corsica County: Jefferson

Township/City: Union

Contact Person/Organization:	
Name:	**Address:**
Peter Dalby	221 Ponds View Lane, Marble, PA 16334
Telephone Number + Area Code:	
814 782 3227	
Email Address:	
barbara_dalby@yahoo.com	

Organization responsible for operation/maintenance of project if different than above:	
Name:	**Address:**
Telephone Number + Area Code:	
Email Address:	

Source of AMD:							
Underground	☒	**Surface**	☐	**Refuse**	☐	**Oil-Gas well**	☐

Treatment System Information:							
Year Constructed:	9/2011			**Total Capital Cost:**		**$**	
Was this a Rehabilitation Project?	**Y** ☐	**N** ☒	**Date of Original System:**		**Costs Of Rehabilitation:**	**$**	
Describe Rehabilitation Activities:							

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	
PADEP Other	
PADCNR	
AMD Set Aside Funds	
EPA Section 319	
OSM Watershed Cooperative Assistance Program	
NRCS	
EPA Watershed Protection	
USCOE	
University	
Bond Forfeiture	
Reclamation in Lieu of Penalty	
Consent Order	
Foundation for PA Watersheds	
Private/Foundation	
In-kind Contributions	
Other Funding Partner (Please note)	NRCS PL 566 Economic Stimulus

Treatment Technology: Select all that apply at the site.

Treatment System	# of Treatment Cells	Contain Siphon Automatic Flushing Y	Contain Siphon Automatic Flushing N	Comments
Typical methods		☐	☐	
Aerobic Wetland		☐	☐	
Anaerobic Wetland		☐	☐	
ALD		☐	☐	
Limestone Sand Dosing		☐	☐	
Diversion Well/Mechanical Limestone Addition	2	☐	☐	Topography and several AMD points did not allow for an ALD, therefore, two upflow Limestone columns (ULC), each located in concrete tanks, were utilized.
Oxic Limestone Drain (OLD)		☐	☐	
Oxic Limestone Channel (OLC)		☐	☐	
Low pH Fe Oxidation Channel		☐	☐	
Limestone Pond *(Specify UP, DF or HF under comments)*		☐	☐	
SAP *(Specify UP, DF or HF under comments)*		☐	☐	
Bio-Reactor *(Specify UP, DF or HF under comments)*		☐	☐	
VFP *(Specify UP, DF or HF under comments)*		☐	☐	
Manganese Removal Bed	1	☐	☐	
Pyrolusite Bed		☐	☐	
Settling/oxidation Pond	1	☐	☐	

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 *(Include type under comments)*	
Chemical Addition Treatment Plant *(Include Chemical used under comments)*	
Lime Doser *(Include Chemical used under comments)*	
Mechanical Aeration *(Include type under comments)*	
Others *(discuss in comments)*	

UF = Upflow DF = Downflow (like in a traditional SAP) HF = Horizontal Flow

Project Designer:	
EADS Group/Dietz Gourley Consulting	
Organization:	**Telephone Number + Area Code:**
	814-764-5050 and 814-278-7596

Water Information:

	Inflow	Outflow	Load Reductions (lbs/day)
Flow (gpm)	15-100	15-100	
pH	less thann 5		
Total Iron (mg/L)	20		
Ferrous Iron (mg/L)			
Hot Acidity (mg/L)	80		
Alkalinity (mg/L)	20		
Total Aluminum (mg/L)	less than 0.5		
Total Manganese (mg/L)	35		
Date of Collection	4/2006		

If more detailed water quantity and quality data is available, please provide the following:	
Contact:	
Telephone:	
Email:	

If receiving stream or macroinvertebrate information is available please provide the following:	
Contact:	
Telephone:	
Email:	

Comments: *(specific to O&M; performance; impact on receiving stream. Include date of inspection and name and telephone number of person making comment)*

Date	Name	Telephone Number + Area Code

Comment: _____

_____

_____

_____

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

Send to your DEP Project Advisor with your Final Report Paperwork: One digital copy of 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.

After DEP Project Advisor has approved your Final Report Paperwork, send to the Bureau of Conservation and Restoration: One digital copy of the Datashed form in Word, the Operational, Maintenance and Repair/Replacement (O, M & R) Plan that includes the "as-builts" drawings and site schematics in PDF, and any water quality information in EXCEL format to the address under Final Report Guidelines.