

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

AMD Treatment System Form for Datashed

AML/AMD Remediation Projects

Latitude: 40d 43' 40.52" N Longitude: 76d 07 21.51" W' Determined by GPS? Y □ N ⊠ Watershed Name: Schuylkill River Receiving Stream: Silver Creek USGS Quadrangle: Orwigsburg, PA County: Schuylkill Township/City: Blythe Township County: Schuylkill Contact Person/Organization: Name: Address: Bill Reichert P.O. Box 1385 Telephone Number + Area Code: Pottsville PA 17901 570-622-3742 EXT 118 Email Address: WREICHERT@CO.SCHUYLKILL.PA.US PO.Box 1385 Corganization responsible for operation/maintenance of project if different than above: Name: Address: Schuylkill Headwaters Association Inc. P.O. Box 1385 Telephone Number + Area Code: Pottsville PA 17901 570-622-3742 EXT 118 Email Address: Schuylkill Headwaters Association Inc. P.O. Box 1385 Telephone Number + Area Code: Pottsville PA 17901 570-622-3742 EXT 118 Email Address: WREICHERT@CO.SCHUYLKILL.PA.US WREICHERT@CO.SCHUYLKILL.PA.US
Watershed Name: Schuylkill River Receiving Stream: Silver Creek USGS Quadrangle: Orwigsburg, PA County: Schuylkill Township/City: Blythe Township County: Schuylkill Contact Person/Organization: Name: Address: Bill Reichert P.O. Box 1385 Telephone Number + Area Code: Pottsville PA 17901 570-622-3742 EXT 118 Email Address: WREICHERT@CO.SCHUYLKILL.PA.US Organization responsible for operation/maintenance of project if different than above: Name: Address: Schuylkill Headwaters Association Inc. P.O. Box 1385 Telephone Number + Area Code: Pottsville PA 17901 S70-622-3742 EXT 118 Email Address: WREICHERT@CO.SCHUYLKILL.PA.US POttsville PA 17901 S70-622-3742 EXT 118 Email Address: WREICHERT@CO.SCHUYLKILL.PA.US Email Address: WREICHERT@CO.SCHUYLKILL.PA.US Email Address: WREICHERT@CO.SCHUYLKILL.PA.US Email Address:
USGS Quadrangle: Orwigsburg, PA County: Schuylkill Township/City: Blythe Township Contact Person/Organization: Name: Name: PO. Box 1385 Telephone Number + Area Code: Pottsville PA 17901 570-622-3742 EXT 118 Email Address: WREICHERT@CO.SCHUYLKILL.PA.US Organization responsible for operation/maintenance of project if different than above: Name: Schuylkill Headwaters Association Inc. P.O. Box 1385 Telephone Number + Area Code: POttsville PA 17901 570-622-3742 EXT 118 Email Address: WREICHERT@CO.SCHUYLKILL.PA.US WREICHERT@CO.SCHUYLKILL.PA.US WREICHERT@CO.SCHUYLKILL.PA.US
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Email Address: WREICHERT@CO.SCHUYLKILL.PA.US
WREICHERT@CO.SCHUYLKILL.PA.US
Source of AMD:
Underground Surface Refuse Oil-Gas well
Treatment System Information:
Year Constructed: 2010 Total Capital Cost: \$ 853,402.00
Y N Date of Costs Of Was this a Rehabilitation Project? Image: Cost of the second secon
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? \$_____

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Diversion Well/Mechanical Image: Constraint of the second sec	Limestone Sand Dosing				1			
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	VFP (Specify UP, DF or				1			
HF under comments)	HF under comments)				1			
Manganese Removal Bed	Manganese Removal Bed]			
	Pyrolusite Bed							
Scour Pool (Limestone Lined) 0.14 Ac, Aeration Basin 1.50 Ac 10 ft deep. Sattling Basin 1.95 Ac 13						Scour Pool (Limestone Lined) U.14 Ac, Aeration Basin 1 50 Ac 10 ft deep. Sattling Basin 1 95 Ac 13		
Settling/oxidation Pond 3	Settling/oxidation Pond	3			1	ft deep. Aeration Basin was designed for		
mechanical aeration equipment but equipment was	County on autor 1 on a	0			4	mechanical aeration equipment but equipment was		
not installed, currently acting as settling pond.						not installed, currently acting as settling pond.		

UF = Upflow

DF = Downflow (like in a traditional SAP)

HF = Horizontal Flow

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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)	Designed with future equipment addition in mind
Others (discuss in comments)	

UF = Upflow

DF = Downflow (like in a traditional SAP)

HF = Horizontal Flow

Project Designer:				
Christine Haldeman, PE				
Organization:	Telephone Number + Area Code:			
RETTEW Associates, Inc.			717-394-3721	
Water Information:				
	Inflow	Outf	flow	Load Reductions (Ibs/day)
Flow (gpm)	233 - 2827	1245		
рН	5.5	6.2		
Total Iron (mg/L)	24 to 27	1 to 5		
Ferrous Iron (mg/L)				
Hot Acidity (mg/L)		5 to -37		
Alkalinity (mg/L)	-1 to - 49	11 to 46		
Total Aluminum (mg/L)	<0.2 to 0.5	<.2 to .6		
Total Manganese (mg/L)	3.4 to 3.6	1.1 to 3.2		
Date of Collection				

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

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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: Design Flow 1,500 gpm High Flow Design 5,000 gpm					
L					

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

Send to your DEP Project Advisor with your Final Report Paperwork: One <u>digital</u> 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 <u>digital</u> 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.