

Publicly Funded Mine Drainage Treatment or Abatement Project Information Sheet
General Project Information

Project Name and or No.: Koonstown (Oven Run) Site B AMD 56(2524)102.1
PA-057
Location: Municipality and County: Shade Township Somerset County
Watershed: Oven Run to Stonycreek River
USGS Quadrangle: Stoystown
Latitude and Longitude: 40.098889 -78.936389000000005

Contact Information

Contact Organization: PA DEP BAMR
Contact Person: Scott Horrell
Contact Address: 286 Industrial Park Road
Ebensburg
PA
15931
Contact Telephone Number: 814.472.1800
Contact Email: pmilavec@state.pa.us

Organization Currently Responsible For Project Operations, Monitoring and Maintenance

Is this organization different from Contact Organization? False (same as above)
Organization Name: _____
Organization Contact Name: _____
Organization Contact Address: _____

Organization Telephone Number: _____
Organization Email: _____

Site Information

Who owns the property the project is constructed upon?
Somerset County Conservation District (access road is on a different property owner)
Driving Directions to the Project Site (from an easily identifiable reference point):
Davidsville exit Route 219. Proceed south on route 403 approximately 6 miles After passing Hooversville, look for Koontztown Road. Make left turn on this road. Gated access road is located approximately .25 miles from the intersection on the right hand side of Koontztown road.
Special instructions for entry to the site (gates, keys, notifications or permissions, etc.):
Gate is locked with a BAMR master lock

Is there a perpetual access agreement for monitoring and O&M? Yes No
Is the site readily accessible (by 2WD vehicle)? Yes No
Was project completed as part of an overall watershed restoration plan? Yes No
Is the plan available electronically? Yes No
Could you provide the DEP a copy of the plan? Yes No
Is a copy of the plan attached? Yes No

Project Description (Describe the treatment system including each individual component):
Construction of Vertical Flow Passive Treatment System. One Collection basin two vertical flow units

Publicly Funded Mine Drainage Treatment or Abatement Project Information Sheet
Each VF Unit equally sized and followed by Sed pond All Facilities Lined 40-mil polyethylene. Design Flow 350 gpm (will hydraulically handle 1100 gpm)

PROJECT DESIGN INFORMATION:

- Passive treatment system consisting of two (2) SAPS and two (2) sedimentation basins
- Design life of twenty (20) years with a design flow of 350 gallons per minute (gpm)
- System capable of hydraulically handling a flow of 1,100 gpm
- Influent pH ranges from 2.7 to 3.0
- Influent flow ranges from 100 to 1,083 gpm
- Influent acidity concentration ranges from 500 to 800 mg/l
- Influent iron concentration ranges from 50 to 90 mg/l
- Influent aluminum concentration ranges from 35 to 55 mg/l

See BAMR OMR report for additional details)

Pre-Construction Discharge Flow and Monitoring Data

Is data available electronically? Yes No

In what format? Microsoft Excel Access Database Other (specify) _____

Indicate how flow was measured: Weir at the discharge

Indicate laboratory that analyzed samples (or whether field kits were used)

DEP lab

Could you provide this data to the DEP? Yes No

Is a copy of the data attached? Yes No

Pre-Construction Receiving Stream Flow and Monitoring Data

Is data available electronically? Yes No

In what format? Microsoft Excel Access Database Other (specify) _____

Indicate how flow was measured: Meter and cross section

Indicate laboratory that analyzed samples

DEP LAB

Were any biological or fish surveys completed? Yes No

Could you provide this data to the DEP? Yes No

Is a copy of the data attached? Yes No

Treatment System Design Information and Criteria

Who or what firm completed project design? (Include name, address, phone, email and contact person, if available): Gwin Dobson & Forman contract design that was substantially modified by BAMR engineering staff

Are digital photographs of the site before, during and/or after construction available? Yes No

Was there a Specific Restoration or Treatment Goal for this treatment system? Yes No

Publicly Funded Mine Drainage Treatment or Abatement Project Information Sheet

If yes, please describe the goal: PROJECT GOALS:

- Improved Water Quality in Oven Run and the Stonycreek River
- Restoration of ten (10) miles of trout fishery
- Improved water supply for Hooversville Borough
- Improved recreational potential (see NRCS PL 566 Plan and BAMR Hydrologic Unit Plan (HUP) for additional details

What is the Design Flow Rate? 350 gpm

Other design criteria (retention time, acidity loading or removal rate, metals loading or removal rate, alkalinity generation rate, etc.) See BAMR OMR report

Does the treatment system take all of the flow or is some of the flow bypassed?
presently all but can be modified to bypass

Publicly Funded Mine Drainage Treatment or Abatement Project Information Sheet

Plans and Specifications:

As-Bid Project Drawings and Technical Specifications

Is this information available electronically? Yes No

Could you provide the DEP a copy of the plan? Yes No

Is a copy attached? Yes No

As-Built Drawings

Is this information available electronically? Yes No

Could you provide the DEP a copy of the plan? Yes No

Is a copy attached? Yes No

Construction and Project Funding Information

What year was the project constructed? 1999

When (specific date) did project construction begin? September 21, 1998

When (specific date) was project construction completed? November 1999

Who was the Construction Contractor? (Name, Address, Phone, email, contact person)

Amerikohl Mining, Inc., 202 Sunset Drive, Butler, PA 16001
724.423.8700

When (specific date) did the treatment system go on-line? October 1, 1999

Primary Funding Partners, and funding provided:

Source	True or false	Amount
Title IV, Appalachian Clean Streams	<u>True</u>	<u>\$462,306.00</u>
PADEP Growing Greener	<u>False</u>	<u>_____</u>
10% AMD Set Aside Funds	<u>True</u>	<u>\$639,642.00</u>
EPA Section 319	<u>False</u>	<u>_____</u>
OSM Watershed Cooperative Assistance Program	<u>False</u>	<u>_____</u>
NRCS	<u>False</u>	<u>_____</u>
EPA Watershed Protection	<u>False</u>	<u>_____</u>
USCOE	<u>False</u>	<u>_____</u>
University	<u>False</u>	<u>_____</u>
Private/Foundation	<u>False</u>	<u>_____</u>

How or by whom was treatment system construction funded or other funding not included in the table?

Source	Amount
<u>_____</u>	<u>_____</u>
<u>_____</u>	<u>_____</u>
<u>_____</u>	<u>_____</u>

Post Construction Operation, Monitoring and Maintenance

Is there a Sampling and Monitoring Plan? Yes No

Is the plan available electronically? Yes No

Is a copy of the plan attached? Yes No

Is treatment system currently being sampled and monitored? Yes No

If so, by whom? PA DEP BAMR & Kiski Conemaugh Stream Team

Approximately how many hours per year are spent doing O,M&M for this system? 40

Where are samples being analyzed? (Name, Address, Phone, email, contact person)

DEP LAB

Publicly Funded Mine Drainage Treatment or Abatement Project Information Sheet

If DEP Lab is being used, what is the project ID and the Sample Information System (SIS) monitoring point IDs?

Project ID: Ovenrun Monitoring Points: ORBI, ORBSAP1, ORBPOND2, ORBSAP2, ORBO, ORBUS, ORBDS

- Is there an Operation and Maintenance Plan? Yes No
- Is the plan available electronically? Yes No
- Could you provide the DEP a copy of this information? Yes No
- Is a copy of the information attached? Yes No

Comments on the treatment system: Not performing to expectations. O&M work planned spring 2009

Post- Construction Discharge Flow and Monitoring Data

- Is the data available electronically? Yes No
- In what format? Microsoft Excel Access Database Other(specify) _____
- Indicate how flow was measured: Outlet box calculations and bucket stopwatch
- Could you provide the DEP a copy of this information? Yes No
- Is a copy of the information attached? Yes No

Post-Construction Receiving Stream Flow and Monitoring Data

- Is the data available electronically? Yes No
- In what format? Microsoft Excel Access Database Other(specify) _____
- Indicate how flow was measured: Limited metering data
- Could you provide the DEP a copy of this information? Yes No
- Is a copy of the information attached? Yes No
- Were any biological or fish surveys that were completed on the receiving stream? Yes No

Treatment System Maintenance and/or Rehabilitation

- Has rehabilitation work been performed at the site? Yes No
- True(yes) or false(no): True

If yes, please list the rehabilitation activity. See attached BAMR OMR Report

If yes, please list the date of rehabilitation. See attached BAMR OMR Report

If yes, please list the rehabilitation cost. See attached BAMR OMR Report

What routine or non-routine maintenance issues have arisen since system was put online?

See attached BAMR OMR Report

How was maintenance work funded?

See attached BAMR OMR Report

What routine or non-routine maintenance is currently needed or anticipated in the next 1-3 years?

See attached BAMR OMR Report

Other Comments

Person(s) Completing this Form (Name, Address, Phone, email, Date Completed):

Richard Beam P.G.

PA DEP Bureau of Abandoned Mine Reclamation

286 Industrial Park Road

Ebensburg, PA 15931

Publicly Funded Mine Drainage Treatment or Abatement Project Information Sheet

Is there any other person, company or organization that should be contacted for information about this treatment system or the information requested in this form?
(Include Name, Address, Phone, email, etc):
