

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

**General Project Information**

Project Name and or No.: FILSON # 7 PA-296  
Location: Municipality and County: JEFFERSON  
Watershed: MILL CREEK  
USGS Quadrangle: CORSICA  
Latitude and Longitude: 0 0

**Contact Information**

Contact Organization: MILL CREEK COALITION  
Contact Person: PETER DALBY  
Contact Address: 221 PONDS VIEW LANE  
MARBLE  
PA  
16334  
Contact Telephone Number: 8143932164  
Contact Email: pdalby@clarion.edu

**Organization Currently Responsible For Project Operations, Monitoring and Maintenance**

Is this organization different from Contact Organization? True  
Organization Name: \_\_\_\_\_  
Organization Contact Name: \_\_\_\_\_  
Organization Contact Address: \_\_\_\_\_  
Organization Telephone Number: 0  
Organization Email: \_\_\_\_\_

**Site Information**

Who owns the property the project is constructed upon?  
Gary Mumford

Driving Directions to the Project Site (from an easily identifiable reference point):  
off 949 - by bridge

Special instructions for entry to the site (gates, keys, notifications or permissions, etc.):  
see Mr mumford

Is there a perpetual access agreement for monitoring and O&M? 25 year Yes or No  
Is the site readily accessible (by 2WD vehicle)? Yes or No  
Was project completed as part of an overall watershed restoration plan? PL566 Yes or No  
Is the plan available electronically? Yes or No  
Could you provide the DEP a copy of the plan? Yes or No  
Is a copy of the plan attached? Yes or No

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Project Description (Describe the treatment system including each individual component):

4 ALDS & 2 settling ponds

**Pre-Construction Discharge Flow and Monitoring Data**

Is data available electronically?  Yes or No

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

Indicate how flow was measured: Bucket Stopwatch

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

BAMR has some samples - Don Sawyer  
Know DMO too

Could you provide this data to the DEP? Yes or No

Is a copy of the data attached? Yes or  No

**Pre-Construction Receiving Stream Flow and Monitoring Data**

Is data available electronically?  Yes or No

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

Indicate how flow was measured: Not done

Indicate laboratory that analyzed samples

CUP & DEP

Were any biological or fish surveys completed?  Yes or No

Could you provide this data to the DEP?  Yes or  No

Is a copy of the data attached? Yes or  No

**Treatment System Design Information and Criteria**

Who or what firm completed project design? (Include name, address, phone, email and contact person, if available): Hedin Environmental

0

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

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

If yes, please describe the goal:

add excess alkalinity

What is the Design Flow Rate? 110 gpm

Other design criteria (retention time, acidity loading or removal rate, metals loading or removal rate, alkalinity generation rate, etc.) add excess alkalinity to

Stream

Does the treatment system take all of the flow or is some of the flow bypassed?

all -

*probably Hedin*

## 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? *probably from*

Could you provide the DEP a copy of the plan? *Hedon*

Is a copy attached? *or Headwaters*

Yes or No  
 Yes or  No  
 Yes or  No

As-Built Drawings

Is this information available electronically? *probably from*

Could you provide the DEP a copy of the plan? *Hedon*

Is a copy attached? *or Headwaters*

Yes or No  
 Yes or  No  
 Yes or  No

### Construction and Project Funding Information

What year was the project constructed? 2008

When (specific date) did project construction begin? 2007

When (specific date) was project construction completed? \_\_\_\_\_

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

When (specific date) did the treatment system go on-line? \_\_\_\_\_

#### Primary Funding Partners, and funding provided:

Source	True or false	Amount
Title IV, Appalachian Clean Streams	False	\$ .00
PADEP Growing Greener	True	\$140,000.00
10% AMD Set Aside Funds	False	\$ .00
EPA Section 319	False	\$ .00
OSM Watershed Cooperative Assistance Program	False	\$ .00
NRCS	False	\$ .00
EPA Watershed Protection	False	\$ .00
USCOE	False	\$ .00
University	False	\$ .00
Private/Foundation	True	\$49,272.00

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

Source	Amount
	\$ .00
	\$ .00

### Post Construction Operation, Monitoring and Maintenance

Is there a Sampling and Monitoring Plan?

Is the plan available electronically? *probably*

Is a copy of the plan attached? *Hedon - Headwaters*

Is treatment system currently being sampled and monitored?

If so, by whom? *No*

Approximately how many hours per year are spent doing O,M&M for this system? *None*

Yes or No  
 Yes or  No  
 Yes or  No  
 Yes or No

**Publicly Funded Mine Drainage Treatment or Abatement Project Information Sheet**  
Where are samples being analyzed? (Name, Address, Phone, email, contact person)

*NA*

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

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

Comments on the treatment system: *New - some H<sub>2</sub>O was probably lost due to disturbances associated w construction*

**Post- Construction Discharge Flow and Monitoring Data**

Is the data available electronically? Yes or  No  
In what format? Microsoft Excel \_\_\_ Access Database \_\_\_ Other(specify) \_\_\_  
Indicate how flow was measured: \_\_\_  
Could you provide the DEP a copy of this information? Yes or No  
Is a copy of the information attached? Yes or No

**Post-Construction Receiving Stream Flow and Monitoring Data**

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

**Treatment System Maintenance and/or Rehabilitation**

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

If yes, please list the rehabilitation activity. \_\_\_\_\_

If yes, please list the date of rehabilitation. *0*

If yes, please list the rehabilitation cost. *\$ .00*

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

**Publicly Funded Mine Drainage Treatment or Abatement Project Information Sheet**  
How was maintenance work funded?

NA

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

**Other Comments**

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

Terry Morrow  
640 Jacks Mt. Lane  
Claron PA 16214  
814 226 5912

tmorrow@clarion.edu

**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):

**Mill Creek Coalition**  
of  
**Clarion and Jefferson Counties**

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Alliance for Wetlands  
and Wildlife

Conservation District  
Clarion County

Conservation District  
Jefferson County

Federation of Sportsmen  
Clarion County

Federation of Sportsmen  
Jefferson County

Iron Furnace Chapter  
of Trout Unlimited

League of Women Voters  
of Clarion County

Mill Creek Chapter  
Nat'l Wild Turkey Fed.

Natural Resources  
Conservation Services

Northwest Pennsylvania's  
Great Outdoors Tourist  
Promotion Agency

Seneca Rocks  
Audubon Society

Peter Dalby  
221 Ponds View Lane  
Marble, PA 16334  
February 5, 2009

Eric Cavazza, PE  
Acting Chief  
DEP-BAMR  
Division of Acid Mine Drainage Abatement  
286 Industrial Park Road  
Ebensburg, PA 15931

Dear Eric:

Enclosed please find the forms you sent concerning the AMD treatment systems in the Mill Creek Watershed. We have filled them out as well as we could. In addition, we are including a copy of the PL83-566 plan approved for the watershed, an electronic copy of all the data in the Clarion University data base, and an electronic copy of the OM&R report prepared for most of the sites by the Dietz and Gourley. Most of the information, such as system schematics, water chemistry data and detailed plans for system rehabilitation are found in the Dietz and Gourley report, which was funded by a growing greener grant.

There are several comments that relate to all or most of these sites:

- The PL83-566 Mill Creek Watershed Plan was approved in 1999. It forms the basis for the recovery of the watershed.
- There has been some DEP data collected over the years throughout the watershed. It includes some seep data as well as stream data. The Knox DMO has done TMDL plans for the watershed.
- Clarion University collected extensive water quality data from the passive treatment systems as well as various stream segments for the period 1991-2006. That effort ceased with the retirement of Terry Morrow from the University.
- Funded by a Growing Greener Grant, a comprehensive OM & R report on most of these sites was prepared by Dietz-Gourley Consulting for the EADS Group.

**Member of**

**Pennsylvania Organization for Watershed and Rivers**

- For most of these sites the funding was handled by the Headwaters Charitable Trust or the Headwaters RC&D. They and/or the NRCS office in DuBois hold files on most of the systems, including easement documents, bid packages, design specification, blueprints, etc.
- The Mill Creek Coalition has files on most of these systems. Some are sketchy and other more complete.
- A report was done for the Center for Rural Pennsylvania. The report is titled: Watershed Scale Assessment of an Acid Mine Drainage Abatement Project in Clarion County. It was completed in 2002 and could be made available to you. It includes macroinvertebrate and fish data.
- We also have a final report for the FY97/98 319 Program produced in November, 2000. We can make it available if you want it.

Thank you for your interest in the Mill Creek Watershed and the efforts we have made to monitor the systems and streams. As you are aware, we have built a lot of passive treatment systems but have been unable to maintain and replace the systems properly. This also applies to three systems built in the watershed by BAMR. Hopefully, BAMR will be able to develop a comprehensive plan to this the effort going now that more money should be available from the re-enactment of the SMCRA legislation.

We are ready to assist with the next step. Thank you.

Sincerely,

A handwritten signature in cursive script that reads "Peter Dalby".

Peter Dalby, President MCC