

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

Project Name and or No.: FILSON 2 AND 3 PA-213  
Location: Municipality and County: JEFFERSON  
Watershed: LITTLE MILL CREEK  
USGS Quadrangle: CORSICA  
Latitude and Longitude: 41.204166999999998 -79.165555999999995

**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?

Dennis Clark  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Driving Directions to the Project Site (from an easily identifiable reference point):

Access from Filson 5/6  
\_\_\_\_\_  
\_\_\_\_\_

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

\_\_\_\_\_  
\_\_\_\_\_

Is there a perpetual access agreement for monitoring and O&M?

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?

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

*PS66  
plan  
& EADS  
report*

**Publicly Funded Mine Drainage Treatment or Abatement Project Information Sheet**  
Project Description (Describe the treatment system including each individual component):

*See EADS report*

**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 & stop watch*

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

*CUP & DEP*

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 measured*

Indicate laboratory that analyzed samples

*CUP H2O Lab*

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): *Damariscotta*

*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:

*To get the best treatment possible*

What is the Design Flow Rate?

*3*

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

*This is very bad water & system was designed to treat only some of it*

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

*Some bypassed*

# 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?  
 Could you provide the DEP a copy of the plan?  
 Is a copy attached?

*Headwaters  
may have this*

Yes or ☒ No  
 Yes or ☒ No  
 Yes or ☒ No

As-Built Drawings

- Is this information available electronically?  
 Could you provide the DEP a copy of the plan?  
 Is a copy attached?

*See EADS report*

☒ Yes or ☒ No  
☒ Yes or ☒ No  
☒ Yes or ☒ No

## Construction and Project Funding Information

What year was the project constructed? 1995

When (specific date) did project construction begin? 3

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	False	\$ .00
10% AMD Set Aside Funds	False	\$ .00
EPA Section 319	True	\$93,315.00
OSM Watershed Cooperative Assistance Program	False	\$ .00
NRCS	False	\$ .00
EPA Watershed Protection	False	\$ .00
USCOE	False	\$ .00
University	False	\$ .00
Private/Foundation	False	\$ .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?

Is a copy of the plan attached?

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? 0 currently

*CUP monitored  
until 2 years ago.*

☒ 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)

CUP 420 Lab

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?

EAPs report

☒ Yes or ☐ No

Is the plan available electronically?

☒ Yes or ☐ No

Could you provide the DEP a copy of this information?

☒ Yes or ☐ No

Is a copy of the information attached?

☒ Yes or ☐ No

Comments on the treatment system:

worn out - undersized because space was limited

**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: Bucket & Stopwatch

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: not 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): True

If yes, please list the rehabilitation activity.

New SAP added

If yes, please list the date of rehabilitation. 0

If yes, please list the rehabilitation cost. \$962,832.00

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

worn out - Bad water

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

3

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

See EAPS report

**Other Comments**

Filson 3 was incorporated with Filson 2 in 2001

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

Terry Morrow  
640 Jacks Mt. Lane  
Clarion PA 16214  
814-2265912 Emorrow@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