

Publicly Funded Mine Drainage Treatment or Abatement Project Information Sheet

General Project Information

Project Name and or No.: MCKINLEY 2 PA-216
Location: Municipality and County: JEFFERSON
Watershed: LITTLE MILL CREEK
USGS Quadrangle: CORSICA
Latitude and Longitude: 41.193333000000003 -79.161111000000005

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?
Forest McKinley

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

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

Is there a perpetual access agreement for monitoring and O&M? 25yr 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? PL 566 Yes or No
Is a copy of the plan attached? plan Yes or No

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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 water lab*

Could you provide this data to the DEP?

Yes or  No

Is a copy of the data attached?

**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

~~EADS report~~ *CUP H<sub>2</sub>O lab*

Were any biological or fish surveys completed?

Yes or  No

Could you provide this data to the DEP?

Is a copy of the data attached?

**Treatment System Design Information and Criteria**

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

*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:

What is the Design Flow Rate?

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

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

*Some is currently bypassing*

*see EADS report*

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## 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?

*NRCS  
Headwaters*  
←

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?

*EAPS  
report -  
Headwaters  
NRCS*

Yes or  No  
 Yes or  No  
 Yes or  No

## Construction and Project Funding Information

What year was the project constructed? 1999  
 When (specific date) did project construction begin? \_\_\_\_\_  
 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	False	\$ .00
OSM Watershed Cooperative Assistance Program	False	\$ .00
NRCS	True	\$36,059.00
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? *was* Yes or  No  
 Is the plan available electronically? Yes or  No  
 Is a copy of the plan attached? Yes or  No  
 Is treatment system currently being sampled and monitored? Yes or  No  
 If so, by whom? \_\_\_\_\_  
 Approximately how many hours per year are spent doing O,M&M for this system? 0

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

CUP H2O 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? EAP 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: Wearing out

**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 done  
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 Just shovel work

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

If yes, please list the date of rehabilitation. 0

If yes, please list the rehabilitation cost. \$101,070.00

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

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How was maintenance work funded?

*Volunteer*

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

*See EADS report*

**Other Comments**

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

*Terry Morrow*

*640 Jacks Mt. Lane*

*Clanton PA 16214*

*814 226 5912*

*tmorrow@clarion.edu*

*1-23-09*

**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