

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

Project Name and or No.: ALDER BOG PA-209
Location: Municipality and County: JEFFERSON
Watershed: LITTLE MILL CREEK
USGS Quadrangle: CORSICA
Latitude and Longitude: 41.21750000000001 -79.15138899999995

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?
Rick Ochs owned it. Current ownership may be different

Driving Directions to the Project Site (from an easily identifiable reference point):
949 to Schnepf Road - site is across mill creek from Schnepf Rd. Treatment system

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

Is there a perpetual access agreement for monitoring and O&M? *- original agreement was for 3 years* 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

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

This is just a ditch that allows the water to flow for approximately 150 yds before entering Mill creek. - water has some alkalinity so increased flow allows for about 1/2 of the iron to settle out

Pre-Construction Discharge Flow and Monitoring Data

Is data available electronically?

~~Yes~~ or ~~No~~ No

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

Indicate how flow was measured: _____

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

Clarion Univ.

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?

supplied

Yes or ~~No~~

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

Indicate how flow was measured: bucket stopwatch

Indicate laboratory that analyzed samples

Clarion ?

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): Seat of pants - National Guard

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:

See above - remove 1/2 iron by providing room to flow

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?

Currently there is overflows as system has become degraded & filled in.

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Plans and Specifications:

As-Bid Project Drawings and Technical Specifications

Is this information available electronically?

Yes or No

Could you provide the DEP a copy of the plan?

Yes or No

Is a copy attached?

Yes or No

As-Built Drawings

Is this information available electronically?

Yes or No

Could you provide the DEP a copy of the plan?

Yes or No

Is a copy attached?

Yes or No

Construction and Project Funding Information

What year was the project constructed? 1992

When (specific date) did project construction begin? Fall 92

When (specific date) was project construction completed? Fall 92

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

National Guard

When (specific date) did the treatment system go on-line? Fall 92

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	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
National Guard	\$7,000.00 - <i>in kind</i>
	\$.00

Post Construction Operation, Monitoring and Maintenance

Is there a Sampling and Monitoring Plan? - terminated 2005

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)

Clarion Univ

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? 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: Natural bog treatment

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 stop watch
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: ~~Bucket stop watch~~ Mt 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): ~~False~~ Occasional 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. \$.00

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

Occasional shovel work

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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?

yes

Other Comments

Discharge routed into a natural bog for treatment

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

Terry Morrow

640 Jacks Mt Lane

Clarion PA 16214

814 226 5912

t.morrow@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):

Pete Dalby

221 Ponds View Ln

Marble PA 16334

Mill Creek Coalition
of
Clarion and Jefferson Counties

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