

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

Project Name and or No.: MONASTERY RUN WETLAND 3 PA-085  
Location: Municipality and County: WESTMORELAND  
Watershed: MONASTERY RUN  
USGS Quadrangle: LATROBE  
Latitude and Longitude: 40.296666999999999 -79.404167000000001

**Contact Information**

Contact Organization: ST. VINCENT COLLEGE  
Contact Person: BETH LANGHAM Bollinger  
Contact Address: 300 FRASER PURCHASE ROAD  
LATROBE  
PA  
15650  
Contact Telephone Number: 724-537-5285  
Contact Email: BETH.LANGHAM@EMAIL.STVINCENT.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?

Wimmer Corp / Saint Vincent Archabbey

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

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

Is there a perpetual access agreement for monitoring and O&M?  
Is the site readily accessible (by 2WD vehicle)?  
Was project completed as part of an overall watershed restoration plan?  
Is the plan available electronically?  
Could you provide the DEP a copy of the plan? DEP has a copy  
Is a copy of the plan attached?

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

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

See OMR

Passive treatment - Gravity Flow

**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: pipe, weir & head

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

St. Vincent Lab.

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: \_\_\_\_\_

Indicate laboratory that analyzed samples \_\_\_\_\_

Were any biological or fish surveys completed?

☒ Yes or No

Could you provide this data to the DEP? Online and with Dr. Cindy Walter

☒ 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):

NRCS SOMERSET

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:

Reduction of Iron Improved biology of stream

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?

All flow usually -

Some is bypassed to macrocans & Wet 2

# 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?

DEP Has  
copies

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?

DEP  
Has copies

Yes or No  
 Yes or No  
 Yes or No

## Construction and Project Funding Information

What year was the project constructed? 1997

When (specific date) did project construction begin? 1997

When (specific date) was project construction completed? 1997

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

Stoy Excavating - Somerset

When (specific date) did the treatment system go on-line? 1997

### 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	\$169,301.00
OSM Watershed Cooperative Assistance Program	False	\$ .00
NRCS	True	\$ .00 Inkind
EPA Watershed Protection	False	\$ .00
USCOE	False	\$ .00
University	False	\$ .00 Inkind
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?

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? SVC - on a regular basis

Approximately how many hours per year are spent doing O,M&M for this system? 150 hrs

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

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

Beth Bollinger, St. Vincent College, 300 Fraser Purchase Road  
Lattrobe PA 15650

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:

### 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: Flow meter

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. Complete remediation of Bubbler capture, Armory of dikes to reduce muskrat damage

If yes, please list the date of rehabilitation. Various

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

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

Clogging pipes - muskrat damage

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How was maintenance work funded?

Growing Greener  
9 @ 0.01M money held at Loyalhanna Watershed  
What routine or non-routine maintenance is currently needed or anticipated in the next 1-3 years?

~~install~~  
Removal of Iron sludge.

**Other Comments**

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

Beth Bollinger - beth.bollinger@email.stvincent.edu  
Saint Vincent College, 300 Fraser Purchase Road, Latrobe, PA 15650

**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):

Caryl.Fish@email.stvincent.edu  
Doryle.Fish.@ "  
Cynthia.Walter@  
Saint Vincent College

**Fall 1998**

- Funding Received for Construction, *Allegheny Power*
- Wetland #1 and #2 Construction and Completion
- 6<sup>th</sup> Annual Monastery Run Project Symposium: *"Wetland #1, #2 Dedication / Art in the Wetlands"*
- First AMD Environmental Education Programs Coordinated

**Summer 1999**

- Transfer Pipe from Wetland #1 and Wetland #2 Installed: *Inverted Siphon*

**Spring 2000**

- Bubbler Problem: *The borehole "blew" due to corrosion in pipe.*

**Summer 2000**

- PA DEP Growing Greener Grant Projects
  - *Mesocosm Repair*
  - *Collection of Additional AMD Discharge Seep*
  - *Streambank Stabilization*

**Fall 2000**

- Transfer Pipe (2<sup>nd</sup>) Installed - *Between Wetland #1 and Wetland #2*

**Spring 2001**

- Wetland #2 Output Weir Installed

**Fall 2001**

- New Splitter Dike Installed: *Wetland #2, Cell #2*

### **Spring 2002**

- New "Bubbler" Drilled: *PA DEP Growing Greener Grant*
- AMDEC Formed: *Abandoned Mine Drainage Education Coalition*
- First Earth Day Celebration Held

### **Summer 2002**

- Interdisciplinary Student Research Project- ISRP
- Office of Surface Mining Internship Program
- Project to Expand Watershed Resources and Environmental Education: *US EPA EE Grant*
- AMD Treatment using Activated Iron Sludge AIS –*PA DEP Growing Greener*

### **Fall 2002**

- EE Assistant Hired: Wetland Whispers Newsletter, Website Upgraded
- AMD Honors Class: Saint Vincent College
- AMD Activity Booklet Developed: *PA DEP Growing Greener*
- 10<sup>th</sup> Annual Monastery Run Project Symposium: *"A Decade of Success"*

### **Spring 2003**

- AMD Education: Tools for Teaching, April 2003
- 2<sup>nd</sup> Annual Earth Day Event Held
- New In-School Wetland On Wheels Program- Operation Squish Squash, Marsh Madness, and Goodbye Orange Water.
- Needs Assessment of Environmental Education Content/Pedagogy in Teacher Preparation Project Awarded: PA DEP Education Grant

### **Summer 2003**

- Summer Institute in Watershed Restoration for Undergraduate Students
- Office of Surface Mining Internship Program
- Lancy Undergraduate Research Program
- Teacher Enhancement Institute, Watersheds and Wetlands: PA Department of Education Eisenhower Grant
- Secondary AMD Module Curriculum Completed: PA DEP Education Grant
- Wetland and Watershed Education Workshop Project Awarded: PA DEP Education Grant

### **Fall 2003**

- *Goodbye Orange Water: An AMD Activity Booklet Teacher's Guide* Completed
- Abandoned Mine Drainage Coalition (AMDEC) AMD Curriculum Project PA DEP Growing Greener Grants Program
- "Go With the Flow" - Environmental Education Center brochure completed
- Winner -Western PA Environmental Awards – Higher Education Category
- 11<sup>th</sup> Annual Monastery Run Project Symposium: *"AMD: Moving Beyond Passive Treatment"*

### **Spring 2004**

- Leaf Pack Network Training
- 3<sup>rd</sup> Annual Earth Day Event Held
- Exploring Post – Environmental Science
- Completion of Phase 1- PA DEP Environmental Education Content Inclusion into teacher training program