

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

Project Name and or No.: MONASTERY RUN WETLAND 2 PA-084  
Location: Municipality and County: Unity Township WESTMORELAND  
Watershed: MONASTERY RUN  
USGS Quadrangle: LATROBE  
Latitude and Longitude: 40.297499999999999 -79.409166999999997

**Contact Information**

Contact Organization: ST. VINCENT COLLEGE  
Contact Person: BETH LANGHAM Bollinger  
Contact Address: 300 FRASER PURCHASE ROAD  
LATROBE  
PA  
15650  
Contact Telephone Number: ~~7248052298~~ 724-539-5285  
Contact Email: ~~BETH LANGHAM@EMAIL.STVINCENT.EDU~~  
Beth.bollinger

**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 Corporation/Saint Vincent Archabbey

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

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

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

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

SEE OMR (attached)

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

Is data available electronically? Some Yes or  No  
In what format? Microsoft Excel \_\_\_ Access Database \_\_\_ Other(specify) \_\_\_  
Indicate how flow was measured: Stream weir + ?  
Indicate laboratory that analyzed samples (or whether field kits were used)  
Saint Vincent AmeriCorps

Could you provide this data to the DEP?  Yes or No  
Is a copy of the data attached? Will need pulled from file + copied. 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: Stream flow wand  
Indicate laboratory that analyzed samples  
Saint Vincent AmeriCorps

Were any biological or fish surveys completed?  Yes or No  
Could you provide this data to the DEP? Possibly 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 stream biology  
What is the Design Flow Rate? Wt Designed on 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 the flow plus excess flow from the bubbler and all flow from wetland 1

## 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? Yes or No  
 Could you provide the DEP a copy of the plan? Yes or No  
 Is a copy attached? Yes or No

NRCS ?

#### 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

NRCS ?

### Construction and Project Funding Information

What year was the project constructed? 1998

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	\$161,959.00
EPA Watershed Protection	False	\$ .00
USCOE	False	\$ .00
University	False	\$ .00 <i>Intend</i>
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? Not Regularly by St. Vincent  
 Approximately how many hours per year are spent doing O,M&M for this system? 100 hrs

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

Saint Vincent College

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?

USDA/NRCS

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:

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. DEP installed a splitter dike, repaired muskrat damage - installed transfer pipes from wet 1

If yes, please list the date of rehabilitation. 0 4 diff. dates

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

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

clogged pipes - muskrat damage

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

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

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**Other Comments**

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

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**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):

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All of the official documents  
from construction are  
archived with  
USDA/NRCS  
Harrisburg PA

**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