

Publicly Funded Mine Drainage Treatment or Abatement Project Information Sheet

General Project Information

Project Name and or No.: Ravine Wetland AD 605
Location: Municipality and County: Tremont Twp. Schuylkill
Watershed: Swatara Creek
USGS Quadrangle: Pine Grove
Latitude and Longitude: 40.5915 -76.4110

Contact Information

Contact Organization: PADEP BAMR
Contact Person: MIKE KORB
Contact Address: 2 PUBLIC SQUARE, 5TH FLOOR
WILKES-BARRE
PA
18711
Contact Telephone Number: 570-826-2371
Contact Email: mkorb@state.pa.us

Organization Currently Responsible For Project Operations, Monitoring and Maintenance

Is this organization different from Contact Organization? No
Organization Name: _____
Organization Contact Name: _____
Organization Contact Address: _____

Organization Telephone Number: _____
Organization Email: _____

Site Information

Who owns the property the project is constructed upon?
Pennsylvania Department of Transportation

Driving Directions to the Project Site (from an easily identifiable reference point):
The treatment system is located east of the I-81 north bound land at the Ravine Exit (104) and north of the northbound on ramp.

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 No
Is the site readily accessible (by 2WD vehicle)? Yes No
Was project completed as part of an overall watershed restoration plan? Yes No
 Is the plan available electronically? Yes No
 Could you provide the DEP a copy of the plan? Yes No
 Is a copy of the plan attached? Yes No

Project Description (Describe the treatment system including each individual component):
The project consisted of constructing two anoxic wetland cells. Each cell consisted of a mixture of mushroom compost and limestone and approximately two and one half feet of standing water. The berms and spillways of the wetland cells were constructed of on site material and were lined with R-6 Rock. The project does not treat an individual mine discharge. Instead the system treats all of the water of the Lower Rausch Creek.

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Pre-Construction Discharge Flow and Monitoring Data

Is data available electronically? Yes No

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

Indicate how flow was measured: _____

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

Could you provide this data to the DEP? Yes No

Is a copy of the data attached? Yes No

Pre-Construction Receiving Stream Flow and Monitoring Data

Is data available electronically? Yes 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 No

Could you provide this data to the DEP? Yes No

Is a copy of the data attached? Yes No

Treatment System Design Information and Criteria

Who or what firm completed project design? (Include name, address, phone, email and contact person, if available): PA DEP - Dennis Palladino

2 Public Sq. 5th Flr., Wilkes-Barre, PA 18711

(570)-830-3190

dpalladino@state.pa.us

Are digital photographs of the site before, during and/or after construction available? Yes No

Was there a Specific Restoration or Treatment Goal for this treatment system? Yes No

If yes, please describe the goal: Reduce the iron loading on Lower Rausch Creek

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?

The treatment system treats all of the flow of Lower Rausch Creek

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Plans and Specifications:

As-Bid Project Drawings and Technical Specifications

Is this information available electronically? Yes No

Could you provide the DEP a copy of the plan? Yes No

Is a copy attached? Yes No

As-Built Drawings

Is this information available electronically? Yes No

Could you provide the DEP a copy of the plan? Yes No

Is a copy attached? Yes No

Construction and Project Funding Information

What year was the project constructed? July 1, 1997

When (specific date) did project construction begin? July 1, 1997

When (specific date) was project construction completed? February 27, 1998

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

WB-BAMR AD Crew

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	_____	_____
PADEP Growing Greener	_____	_____
10% AMD Set Aside Funds	True	<u>291409</u>
EPA Section 319	_____	_____
OSM Watershed Cooperative Assistance Program	_____	_____
NRCS	_____	_____
EPA Watershed Protection	_____	_____
USCOE	_____	_____
University	_____	_____
Private/Foundation	_____	_____

How or by whom was treatment system construction funded or other funding not included in the table?

Source	Amount
<u>DEP/EPA and many others- Dan Koury has all the funding sources</u>	<u>\$272,288.00</u>
_____	_____
_____	_____

Post Construction Operation, Monitoring and Maintenance

Is there a Sampling and Monitoring Plan? Yes No

Is the plan available electronically? Yes No

Is a copy of the plan attached? Yes No

Is treatment system currently being sampled and monitored? Yes No

If so, by whom? _____

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

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

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If DEP Lab is being used, what is the project ID and the Sample Information System (SIS) monitoring point IDs?

see attached

- Is there an Operation and Maintenance Plan? Yes No
- Is the plan available electronically? Yes No
- Could you provide the DEP a copy of this information? Yes No
- Is a copy of the information attached? Yes No

Comments on the treatment system: _____

Post- Construction Discharge Flow and Monitoring Data

- Is the data available electronically? Yes 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 No
- Is a copy of the information attached? Yes No

Post-Construction Receiving Stream Flow and Monitoring Data

- Is the data available electronically? Yes 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 No
- Is a copy of the information attached? Yes No
- Were any biological or fish surveys that were completed on the receiving stream? Yes No

Treatment System Maintenance and/or Rehabilitation

- Has rehabilitation work been performed at the site? Yes No
- True(yes) or false(no): _____

If yes, please list the rehabilitation activity. _____

If yes, please list the date of rehabilitation. _____

If yes, please list the rehabilitation cost. _____

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

Water was by-passing the system underground due to the porous material available on site. Clay was placed at various locations to stop by-passing

How was maintenance work funded?

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

Other Comments

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

Todd Wood
2 Public Sq., 5th Flr., Wilkes-Barre, PA 18711
(570)-830-3171
twood@state.pa.us

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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):
