

Publicly Funded Mine Drainage Treatment or Abatement Project Information Sheet

General Project Information

Project Name and or No.: SLIPPERY ROCK CREEK SR109 PA-111
Location: Municipality and County: WASHINGTON TWP. BUTLER COUNTY
Watershed: SLIPPERY ROCK CREEK
USGS Quadrangle: HILLIARDS
Latitude and Longitude: 041.10027778 -079.82916667

Contact Information

Contact Organization: PA DEP - KNOX DMO
Contact Person: ROGER D. BOWMAN, PE
Contact Address: P.O. BOX 669, WHITE MEMORIAL BUILDING
KNOX
PA
16232
Contact Telephone Number: (814) 797-1191
Contact Email: Robowman@state.pa.us

Organization Currently Responsible For Project Operations, Monitoring and Maintenance

Is this organization different from Contact Organization? (NONE)
Organization Name: _____
Organization Contact Name: _____
Organization Contact Address: _____

Organization Telephone Number: _____
Organization Email: _____

Site Information

Who owns the property the project is constructed upon?
PA GAME COMMISSION, c/o Dale Hockenberry, State Game Lands No. 95

Driving Directions to the Project Site (from an easily identifiable reference point):
The project area is located approximately 0.5 mile northwest of the Branchton Road (SR 4010)/Leonard Road (T-637) intersection on State Game lands No. 95. From the SGL No. 95 gate at Leonard Road (T-637) near Argentine, the project area is located approximately 0.50 north along the Operation Scarlift access road, approximately 300 feet west of the access road.

Special instructions for entry to the site (gates, keys, notifications or permissions, etc.):
PA Game Commission and PA DEP-Knox DMO employees have keys to the entrance gate.

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):
1 cell VFW plus retention pond/wetland
VFW: Lateral & Manifold piping system embedded in 450 tons of limestone aggregate then topped with 112 tons (166 cu.yds) of compost. 0.13 acre combined retention pond/wetland built after VFW.

Publicly Funded Mine Drainage Treatment or Abatement Project Information Sheet

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: Bucket and stop watch

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

PA DEP Lab

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: Estimated

Indicate laboratory that analyzed samples

PA DEP Lab

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 - Knox DMO Roger D. Bowman, PE

P.O. Box 669, White Memorial Building

Knox, PA 16232-0669

Phone: (814) 797-1191 email: robowman@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: _____

What is the Design Flow Rate? 30 gpm

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

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

Takes all flow --but--does have an overflow pipe in check dam.

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 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? 1998

When (specific date) did project construction begin? July 1, 1998

When (specific date) was project construction completed? September 16, 1998

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

Puryear Trucking & Excavation, Inc. 254 Harrisville Road West Sunbury, PA 16061

Joseph Puryear (724) 637-3872

When (specific date) did the treatment system go on-line? September 16, 1998

Primary Funding Partners, and funding provided:

Source	True or false	Amount
Title IV, Appalachian Clean Streams	_____	_____
PADEP Growing Greener	_____	_____
10% AMD Set Aside Funds	_____	_____
EPA Section 319	_____	_____
OSM Watershed Cooperative Assistance Program	_____	_____
NRCS	_____	_____
EPA Watershed Protection	<u>True</u>	<u>\$55,000.00</u>
USCOE	_____	_____
University	_____	_____
Private/Foundation	_____	_____

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

Source	Amount
<u>***EPA Watershed Protection EPA 104(b)(3) FY1996***</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? 0.00

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

PA DEP Lab

Publicly Funded Mine Drainage Treatment or Abatement Project Information Sheet

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

Project ID: SLIPPERY1 SIS Monitoring Points: SR109 (discharge) SR109A (sample after treatment)

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: All Knox DMO maintenance and oversight of system stopped when the PA CMRS funding stopped in or about 2005.

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: Bucket and stopwatch

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: Estimated

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): False

If yes, please list the rehabilitation activity. _____

If yes, please list the date of rehabilitation. _____

If yes, please list the rehabilitation cost. 0.00

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

System may still be functional. Just woody debris in discharge routing channel.

How was maintenance work funded?

PA Comprehensive Mine Reclamation Strategy (for a while) under Mr. Ernie Giovanitti and bobby Agnew.

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

Routine maintenance check and periodic flushing of VFW. Maybe a replacement valve.

Other Comments

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

Roger D. Bowman, PE c/o PA DEP-Knox DMO

P.O. Box 669, White Memorial Building, 310 Best Avenue

Knox, PA 16232-0669

Phone: (814) 797-1191

email:robowman@state.pa.us

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):

Timothy Gillen, PG c/o PA DEP - Knox DMO

P.O. Box 669, White Memorial Building, 310 Best Avenue

Knox, PA 16232-0669

Phone: (814) 797-1191 email: tgillen@state.pa.us
