

Publicly Funded Mine Drainage Treatment or Abatement Project Information Sheet

General Project Information

Project Name and or No.: ARGENTINE CENTRAL SR115 PA-182
Location: Municipality and County: WASHINGTON BUTLER
Watershed: SLIPPERY ROCK CREEK
USGS Quadrangle: HILLIARDS
Latitude and Longitude: 41.09555556 -79.82027778

Contact Information

Contact Organization: PADEP KNOX DMO
Contact Person: ROGER BOWMAN
Contact Address: P.O. Box 669, WHITE MEM. BLDG., 310 BEST AVE.
KNOX
PA
16232
Contact Telephone Number: 814-797-1911
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 1000 feet northwest of the Branchton Road (S.R. 4010)/Leonard Road intersection on PA State Game Lands No. 95.

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 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 (parts)
 Could you provide the DEP a copy of the plan? BAMR has it.
 Is a copy of the plan attached? Yes or No

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

PHASE ONE WAS THE CONSTRUCTION OF A ROCK CHANNEL AND RETENTION BASIN/WETLAND FOR METALS DEPOSITION FOR THE SR115 BOREHOLE DISCHARGE DESIGNED BY THE NRCS. PHASE TWO WAS THE CONSTRUCTION OF A FLOW DISTRIBUTION BOX AT THE BOREHOLE DISCHARGE, ROCK CHANNEL AND RETENTION BASIN/WETLAND FOR THE HIGHER FLOW PERIODS DESIGNED BY PA BAMR-CAMBRIA.

Pre-Construction Discharge Flow and Monitoring Data

Is data available electronically? Yes or No

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

Indicate how flow was measured: V-NOTCH WEIR

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

PA DEP 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 and No

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

Indicate how flow was measured: _____

Indicate laboratory that analyzed samples

PA DEP LAB

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): MARK KLEMAN - PADEP BAMR CAMBRIA FOR PHASE TWO

SCOTT RENNE, NRCS FOR PHASE ONE

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:

TRYING TO DROP THE IRON OUT OF SOLUTION UNDER 7.0 MG/L (25 PA CODE 87.102 STANDARDS)

What is the Design Flow Rate? APPROXIMATELY 300 GPM (BOTH PHASES GUESS)

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

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

TAKES ALL FLOW.

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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? PHASE ONE: 1996 PHASE 2: 2002

When (specific date) did project construction begin? (UNKNOWN)

When (specific date) was project construction completed? ASK MARK KLEMAN OR BAMR INSPECTOR

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

PHASE ONE: UNKNOWN PHASE TWO: PURYEAR TRUCKING & EXCAVATION, INC. 254 HARRISVILLE ROAD, WEST SUNBURY, PA 16061 JOE PURYEAR (724) 637-3872

When (specific date) did the treatment system go on-line? AUGUST 13, 1996

Primary Funding Partners, and funding provided:

Source	True or false	Amount
Title IV, Appalachian Clean Streams (PHASE TWO)	True	\$236,541.00
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
Fines	\$31,000.00
	\$.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? _____

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

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

PA DEP LAB

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 point IDS: SR115 (discharge) SR115T (sample PHASE ONE treatment)

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: 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 or No

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

Indicate how flow was measured: V-NOTCH WEIR.

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 X Access Database ___ Other(specify) _____

Indicate how flow was measured: UNKNOWN

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

*****PA FISH & BOAT COMMISSION & SRU*****

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. _____

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?

UNKNOWN

How was maintenance work funded?

UNKNOWN

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What routine or non-routine maintenance is currently needed or anticipated in the next 1-3 years?
Routine maintenance of the flow control box is needed. Unclear as to how much iron deposition is in the Phase One and Two Retention basins since 1996.

Other Comments

First pond in 1996 was rec in lieu. Second pond was Title IV ACSI

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

Roger D. Bowman, PE (for PHASE ONE) Mark Klemon @ BAMR (PHASE TWO)
P.O. BOX 669, White Mem. Bldg., 310 Best Avenue
Knox, PA 16232-0669 Phone: (814) 797-1191 email: robowman@state.pa.us
Date completed: March 17, 2009

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