General Project Information				
Project Name and or No.: LOY	ALHANNA FRIEDLINE MINE PA-106			
Location: Municipality and County:	COOK TOWNShip WESTMORELAND			
Watershed:LOYALHANNA_RIVER (
USGS Quadrangle: <u>STAHLSTOWN</u>				
Latitude and Longitude:41.63388	39000000003 -79.279722000000007			
Contact Information				
Contact Organization:	LOYALHANNA WATERSHED ASSOCIATION			
Contact Person:	SUSAN HUBA			
Contact Address:	110 ANDI LANE			
	LIGONIER			
•	PA 15658			
Contact Telephone Number:	7242387560			
Contact Telephone Number.	SLHUBA@VERIZON.NET			
Contact Email.	OLITODA(& VERIZOR.NET			
Organization Name: Organization Contact Name: Organization Contact Address: Organization Telephone Number: Organization Email:	ontact Organization? <u>Take NO-LWA Maintains</u> project			
Site Information Who owns the property the project is Carnegic Muslum of Natu	s constructed upon? ral History - Powdermill Nature Reserve			
From PATurnpike: Donegal Exi- After Crossing over Turnpike, 1 road. Follow road claun.	e (from an easily identifiable reference point): + #91, Left onto fout 31 East, Left onto Raye 381 Normale a vigot Ofter Snake fencing to a locked gate to treatment system.			
Special instructions for entry to the Notification to Powdermill.	site (gates, keys, notifications or permissions, etc.): KLY from LWA to unlock road gate.			
Is there a perpetual access agreemer Is the site readily accessible (by 2W Was project completed as part of an Is the plan available electron Could you provide the DEP Is a copy of the plan attached	D vehicle)? overall watershed restoration plan? ically? a copy of the plan? Ves. or No sor No ves. or No ves. or No ves. or No ves. or No			

Publicly Funded Mine Drainage Treatment or Abatement Project Information Sheet

of surface Mining. A restriction plan hos since been computed (2006).

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Publicly Funded Mine Drainage Treatment or Abatement Project Information Sheet
Project Description (Describe the treatment system including each individual component):
the sistem was designed in 1996 as a SAPS sistem. It consists of
two SAPS ponds and a series of settling ponds and wetlands. In 2004,
BAMR Constructed a Steel stop bed to whichease alkalinity (see a Hached
dianiam of System.
Chagnair of Molori.
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:
Indicate laboratory that analyzed samples (or whether field kits were used)
Skyvicw Laboratory Inc.
US. Office of Surface Mining
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
Skuriew Laboratory Inc
U.S. Office of Surface, Minima
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
is a copy of the data attached:
Treatment System Design Information and Criteria
Who or what firm completed project design? (Include name, address, phone, email and contact
person, if available):
person, it available). - but to the control of the
Clarion PA 16214
Are digital photographs of the site before, during and/or after construction available? Yes or No # On Children
Was there a Specific Restoration or Treatment Goal for this treatment system? (Yes) or No
If yes, please describe the goal:
proof a law Man and a name observation allowed will from the lawel Dura and postare.
Treat a low flow acidic mine discharge to alleviate pollution to laure Run and restore aguatic
Other design effective (Telephote time, design) reading of Temperature, metals reading of Temperature, and the control of the
rate, alkalinity generation rate, etc.) <u>ONOLOGIC SISTEM, INCHOSE ALENTON TIME FOR</u>
justals removal
Does the treatment system take all of the flow or is some of the flow bypassed?
sistem has numerous seeps throughout site
· J

Publicly Funded Mine Drainage Treatment or Abatement Project Information Sheet

Plans and Specifications:		
As-Bid Project Drawings and Technical Specification	©	
Is this information available electronically?		Yes or No
Could you provide the DEP a copy of the plan	9	Yes or No
Is a copy attached?	•	Yes or (No)
As-Built Drawings		res of the
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
is a copy analysis.		res of the
Construction and Project Funding Information		•
	197	
When (specific date) did project construction begin?		
When (specific date) was project construction comple	ted? October 190	37
Who was the Construction Contractor? (Name, Addre	ss, Phone, email, co	ntact person)
DONO Hails Ecological Restoration Services	. 1633 Gilmore	ROOD Apollo PA 15613
, ,	<u> </u>	
When (specific date) did the treatment system go on-l	ine? October 1	7 1997
D 1 D 11 D		M
Primary Funding Partners, and	d funding provided:	# See Ottached funding
Source	d funding provided: True or false	Amount
Source Title IV, Appalachian Clean Streams	funding provided: True or false False	Amount 5
Source	True or false	Amount \$.00 \$200,000.00
Source Title IV, Appalachian Clean Streams	True or false False	Amount 5
Source Title IV, Appalachian Clean Streams PADEP Growing Greener	True or false False True False	Amount \$.00 \$200,000.00
Source Title IV, Appalachian Clean Streams PADEP Growing Greener 10% AMD Set Aside Funds	True or false False False	Amount \$.00 \$200,000.00 \$.00
Source Title IV, Appalachian Clean Streams PADEP Growing Greener 10% AMD Set Aside Funds EPA Section 319	True or false False False False	Amount \$.00 \$ 200,000.00 \$.00 \$.00
Source Title IV, Appalachian Clean Streams PADEP Growing Greener 10% AMD Set Aside Funds EPA Section 319 OSM Watershed Cooperative Assistance Program	True or false False False False False	Amount \$.00 \$200,000.00 \$.00 \$.00 \$.00
Source Title IV, Appalachian Clean Streams PADEP Growing Greener 10% AMD Set Aside Funds EPA Section 319 OSM Watershed Cooperative Assistance Program NRCS	True or false False False False False True False	Amount \$.00 \$200,000.00 \$.00 \$.00 \$.00 \$.00
Source 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	True or false False False False False True False False True False	Amount \$.00 \$200,000.00 \$.00 \$.00 \$.00 \$.00 \$.00 \$.00
Source 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 USCOE	True or false	Amount \$.00 \$200,000.00 \$.00 \$.00 \$.00 \$.00 \$.00 \$.00 \$.00 \$.00
Source 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 USCOE University	True or false	Amount \$.00 \$200,000.00 \$.00 \$.00 \$.00 \$.00 \$.00 \$.00 \$.00 \$.00 \$.00 \$.00
Source 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 USCOE University	True or false	Amount \$.00 \$200,000.00 \$.00 \$.00 \$.00 \$.00 \$.00 \$.00 \$.00 \$.00 \$.00 \$.00 \$.00
Source 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 USCOE University Private/Foundation	True or false	Amount \$.00 \$200,000.00 \$.00 \$.00 \$.00 \$.00 \$.00 \$.00 \$.00 \$.00 \$.00 \$.00 \$.00
Source 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 USCOE University Private/Foundation How or by whom was treatment system construction to	True or false	Amount \$.00 \$200,000.00 \$.00 \$.00 \$.00 \$.00 \$.00 \$.00 \$.00 \$.00 \$.00 \$.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 the attended as a street of	XZ an Ma

Is treatment system currently being sampled and monitored?

If so, by whom? LWA EMOINES

Approximately how many hours per year are spent doing O,M&M for this system? No

Publicly Funded Mine Drainage Treatment or Abatement Project Info		eet
Where are samples being analyzed? (Name, Address, Phone, email, contact per the samples of the sample of the sample of the samples of the sample of th	erson)	
RICH Beam, DEP-BAHR Cambria Office 2810 Industrial Po	IR KOOO,	
EVENSOUR, PA 15931-4119 (814) 472 - 1800, RBEAM @ STOCK.	fa.us	
If DEP Lab is being used, what is the project ID and the Sample Information S	system (SIS)	
monitoring point IDs?		
<u> 7485 - (001-006)</u>		
		
I d O d 124 i 124		
Is there an Operation and Maintenance Plan?		Na
Is the plan available electronically?	Z - 2 3	(No)
Could you provide the DEP a copy of this information?	>~~	No
Is a copy of the information attached?	(Yes) or	No
Comments on the treatment system: Steel Slag/Ennestone Pond	·	
		
Post- Construction Discharge Flow and Monitoring Data		
Is the data available electronically?	(Yes) or	No
In what format? Microsoft Excel Access Database Other(specify)	<u> </u>	110
Indicate how flow was measured: Willot/Stopicate		
Could you provide the DEP a copy of this information?	Vestor	No
Is a copy of the information attached?		No
is a copy of the information accorded.	103 01	110
Post-Construction Receiving Stream Flow and Monitoring Data		
Is the data available electronically?	Yes or	No
In what format? Microsoft ExcelAccess DatabaseOther(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?		No
Were any biological or fish surveys that were completed on the receiving stream		No
of Through BANR Surveys by Rich Beam		110
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. Kedall Import of Course +	pioma netu	ookin SAP
install emergency spillmay in SAPS! installation of aluminum recov		
	,	
If yes, please list the date of rehabilitation		
If yes, please list the rehabilitation cost. \$ 90 \$ 105,000.00		
11 yes, prease list the reliabilitation cost \$ _ \$ _ \$ _ \$ _ \$ _ \$ _ \$ _ \$ _ \$ _	 	
What routine or non-routine maintenance issues have arisen since system was		
vandalism compost armouring closped pipes cottail overg		
, , <u>), ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,</u>		

Publicly Funded Mine Drainage Treatment or Abatement Project Information Sheet
How was maintenance work funded?
Private foundation contributions, BAMR assistance
THE CONTRACT CONTRACTOR OF THE
What routine or non-routine maintenance is currently needed or anticipated in the next 1-3 years'
Dipe Meaning, limestone/compost repair
pipe craimed, interpret report
Other Comments
Person(s) Completing this Form (Name, Address, Phone, email, Date Completed):
Susan Huba - Program Manager
Layalhanna watershed Association, Inc.
110 Andi Lane
Liaponier PA 15658 (724) 238-7560 Sihulang verizon net
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):
Rich Beam - BAMR (pyrolusite bed stell stay bed)
286 Industrial Park Road
Ebenshing PA 15931-4119
1844 4192-18M , then m & state M 118





December 4, 2008

Eric Cavazza, PE Acting Chief DEP-Bureau of Abandoned Mine Reclamation Division of Acid Mine Drainage Abatement 286 Industrial Park Road Ebensburg, PA 15931

Dear Eric:

Please find the enclosed materials in regards to your request for assistance on completing information on the "Loyalhanna Friedline Mine" Project, a publicly funded mine drainage treatment or abatement project, Project ID PA-106.

A listing of supporting materials in addition to the information sheet you originally sent can be found below. Original construction plans are not included, as there was no way for us to copy them. However, you are more than welcome to borrow these plans from our office if you need them.

Please feel free to contact me if I can provide you with any additional information at (724) 238-7560, or slhuba@verizon.net. Happy Holidays!

Sincerely,

Susan L. Huba

Program Manager

Enclosures:

Information Sheet

Loyalhanna Creek Watershed Assessment CD

Friedline Mine Diagram

Pre-Construction Data - Mine Discharge

Pre-Construction Data - Laurel Run (receiving stream)

Pre-Construction Survey of Laurel Run - PA Fish & Boat Commission

Digital Photos of Project Construction on CD

Table of Funding Sources

O,M&M Plan

Friedline Treatment System Sampling Data (through October 2008)