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

General Project Information		On 11.7
Project Name and or No.: Mid	Idle Branch Passive Treatment System - Rehabilitated	PA-062
Location: Municipality and County:		·
Watershed: Kettle Creek Watershe		
USGS Quadrangle: Renovo Wes		
Latitude and Longitude: Latitude	e: 41.352 Longitude: -77.8513	
Contact Information		
Contact Organization:	Trout Unlimited	
Contact Person:	Amy Wolfe	_
Contact Address:	18 E. Main St, Suite 3	
	Lock Haven, PA 17745	
Contact Telephone Number:	(570) 748-4901	
Contact Email:	awolfe@tu.org	
Organization Name: Organization Contact Name: Organization Contact Address:		_ ·
Organization Telephone Number: Organization Email:		
Site Information Who owns the property the project is DCNR Bureau of Forestry	s constructed upon?	
From Rt 120, turn right onto Kettle Crebridge that spans Twomile Run. Take le	e (from an easily identifiable reference point): eek Road. Turn right into state forest lands immediately eft at first intersection. Stay right at Y and continue on g another left at gate. Continue past gate until you come	ated road.
Special instructions for entry to the s	site (gates, keys, notifications or permissions, etc.): NR Bureau of Forestry Sproul District #10 office and wit	th Trout
Unlimited.		
Is there a perpetual access agreement Is the site readily accessible (by 2W) Was project completed as part of an Is the plan available electronic Could you provide the DEP a	D vehicle)? overall watershed restoration plan? ically? a copy of the plan?	es 🔲 No
Is a copy of the plan attached	Υ€	es 🔯 No

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Project Description (Describe the treatment system including each individual component): The purpose of this project was to implement several operational changes to the Middle Branch passive treatment, which was originally designed and constructed by DEP BAMR in 2000. An autopsy was conducted in June 2004 that revealed findings important to the rehabilitation design. The rehabilitation was completed in June 2007. Overall the system contains a collection pond, several collection systems, four vertical ponds, a settling pond, and a wetland. Please see further details below in rehabilitation section. 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 stopwatch Indicate laboratory that analyzed samples (or whether field kits were used) DEP Could you provide this data to the DEP? ⊠Yes □ 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: Weir Indicate laboratory that analyzed samples DEP 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): Hedin Environmental 195 Castle Shannon Blvd. Pittsburgh, PA 15228 Bob Hedin - bhedin@hedinenv.com, (412) 571-2208 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: _The restoration/treatment goal was to abate the R1 and R2 discharges that pollute Middle Branch for the purpose of restoring brook trout and other native aquatic organisms to Middle Branch. Additionally, abating this source of pollution is a critical step to the overall restoration plan for Twomile Run and ultimately the mainstem of Kettle Creek. What is the Design Flow Rate? R2 flow was limited to a maximum of 25 gpm, although this can be increased if desired. 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 discharges are collected and piped into one of the four treatment systems.

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Plans and Specifications:		
As-Bid Project Drawings and Technical Specification	ns	
is this information available electronically?		⊠Yes □ N
Could you provide the DEP a copy of the plan	n?	⊠Yes □ N
Is a copy attached?		☐Yes ⊠ N
As-Built Drawings		
Is this information available electronically?		⊠Yes □ N
Could you provide the DEP a copy of the plan	n?	Yes N
Is a copy attached?		☐Yes ⊠ N
Construction and Project Funding Information		
What year was the project constructed? 2007		
When (specific date) did project construction begin?	May 2007	
when (specific date) was project construction comple	ted? June 2007	
who was the Construction Contractor? (Name Addre	es Phone amoil as	toot norgan)
<u>- omiti Edinoci, 720 Central Avenue, Renovo, PA 17767</u>	ob, i none, eman, cor	nact person)
<u>ivike Smith (570) 923-0188</u>		
When (specific date) did the treatment system go on-l	ine? <u>July 1, 2007</u>	
Primary Funding Partners, and	1 funding provided	
Source Source	True or false	T
Title IV, Appalachian Clean Streams	false	Amount
PADEP Growing Greener		
10% AMD Set Aside Funds	true	113,235
EPA Section 319	false	
OSM Watershed Cooperative Assistance Program	false	
NRCS	false	
EPA Watershed Protection	false	
USCOE	<u>false</u>	
University	<u>false</u>	
Private/Foundation	<u>false</u>	
riivate/roundation	true	<u>15,000</u>
How or by whom was treatment system construction for	anded or other funding	o not included in the
		S not moraded in the
Source		Amount
Post Construction Operation, Monitoring and Main	tomana	
s there a Sampling and Monitoring Plan?	сепапсе	□
s the plan available electronically?		∑Yes ☐ No
s a copy of the plan attached?		Yes ☐ No
s treatment system currently being sampled and monito	rod?	∐Yes ⊠ No
f so, by whom? Trout Unlimited and Hedin Environm	NEG!	⊠Yes ☐ No
Approximately how many hours per year are spent doin	CITICAL COMPONIES 11.	
Where are samples being analyzed? (Name, Address, P)	bons are it	ystem? 8 hours
G&C Laboratory, 1341 Hoffman Hollow Road, Summerville	none, email, contact j	person)
- Tollow Noau, Summerville	7, FA 10804	

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

In these on On anotice and 1 M	
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:	
	<u> </u>
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: weir	
Could you provide the DEP a copy of this information?	⊠Yes ☐ No
Is a copy of the information attached?	= =
Work and his to deal of the	☐Yes ☐ No ☐Yes ☐ No
stream?	⊠Yes ∐ No
Treatment System Maintenance and/or Rehabilitation	
Has rehabilitation work been performed at the site?	⊠Yes ☐ No
True(yes) or false(no): yes	⊠ i es ∐ No
(40)	
If yes, please list the rehabilitation activity. Changes to the existing system included	the following: 1)
Installation of a collection system to collect the majority of the R2 flow, the worst discharge	e to the system:
 Replacement of compost in the upper vertical flow ponds and amend the compost with 	limestone: 3)
<u>Conversion of the limestone treatment beds to vertical flow ponds; and 4) I imit the flow of </u>	the R2
discharge entering the system to a maximum of 25 gpm.	
If yes, please list the date of rehabilitation. May-June 2007	
way-Julie 2007	
If yes, please list the rehabilitation cost. \$128,235 (see funding sources above)	
The state of the s	
What routine or non-routine maintenance issues have arisen since system was put	online?
No issues have arisen since the rehabilitated system went online.	omme:
How was maintenance work funded?	
What routine or non-routine maintenance is currently needed or anticipated in the	next 1-3 years?
No maintenance is anticipated in the next 1-3 years.	
Other Comments	
Person(s) Completing this Form (Name, Address, Phone, email, Date Completed): Amy Wolfe	
T. 4 0.5	

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18 E. Main St, Suite 3
Lock Haven, PA 17745
(570) 748-4901 awolfe@tu.org
(2)
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):