

**Publicly Funded Mine Discharge Treatment or Abatement Project Information**  
**YELLOW CREEK TREATMENT SYSTEMS**

	<b>1A</b>	<b>1B</b>	<b>2A</b>	<b>2B</b>	<b>2C</b>
<b>General Project Information</b>					
Project Name & #	Yellow Creek 1-A PA-125	Yellow Creek 1-B PA-121	Yellow Creek 2-A PA-124	Yellow Creek 2B PA-123	Yellow Creek 2-C PA-122
Location: Municipality County	Center Township Indiana				
Watershed:	Yellow Creek, part of the Blacklick Creek				
USGS Quad	Indiana	Indiana	Indiana	Indiana	Indiana
Lat	40.567222	40.566389	40.563889	40.563056	40.562222
Long	-79.126944	-79.126944	-79.12611	-79.1252778	-79.127778
<b>Contact Info</b>					
Contact Organization:	Blacklick Creek Watershed Association				
Contact Person:	Bob Eppley				
Contact Address:	52 Oakland Ave., Homer City, PA 15748				
Contact Phone Number:	412-289-2857	412-289-2857	412-289-2857	412-289-2857	412-289-2857
Contact email:	eppldr@msn.com	eppldr@msn.com	eppldr@msn.com	eppldr@msn.com	eppldr@msn.com
<b>Organization Currently Responsible For Project Operations, Monitoring and Maintenance</b>	Same as above				
<b>Site Information</b>					
Who owns the property the project is constructed upon?	PA Game Commission	PA Game Commission	PA Game Commission	PA Game Commission	???

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Driving Directions to the Project Site (from an easily identified reference point):	From the intersection of Rts. 422 and 954, take Rt 954 south. In about one mile you will cross over Yellow Creek. Immediately after crossing the stream is a gated access road on the right side. The systems are on PA Game Commission property.	From the intersection of Rts. 422 and 954, take Rt 954 south. In about one mile you will cross over Yellow Creek. Immediately after crossing the stream is a gated access road on the right side. The systems are on PA Game Commission property.	From the intersection of Rts. 422 and 954, take Rt 954 south. In about one mile you will cross over Yellow Creek. Immediately after crossing the stream is a gated access road on the right side. The systems are on PA Game Commission property.	From the intersection of Rts. 422 and 954, take Rt 954 south. In about one mile you will cross over Yellow Creek. Immediately after crossing the stream is a gated access road on the right side. The systems are on PA Game Commission property.	From the intersection of Rts. 422 and 954, take Rt 954 south. In about one mile you will cross over Yellow Creek. Immediately after crossing the stream is a gated access road on the right side.
Special Instructions for entry to the site (gates, keys, notifications, or permissions, etc.)?	The gate is usually unlocked. If lock, contact the PA Game Commission	The gate is usually unlocked. If lock, contact the PA Game Commission	The gate is usually unlocked. If lock, contact the PA Game Commission	The gate is usually unlocked. If lock, contact the PA Game Commission	The gate is usually unlocked. If lock, contact the PA Game Commission
Is there a perpetual access agreement for monitoring and O&M? Y/N	Yes	Yes	Yes	Yes	Yes
Is the site accessible by 2WD vehicle? Y/N	Yes	Yes	Yes	Yes	Yes
Was the project completed as part of an overall watershed restoration plan? Y/N	Yes	Yes	Yes	Yes	Yes
Is the plan available electronically?	No	No	No	No	No
Could you provide the DEP a copy of the plan?	DEP has a copy of it.	DEP has a copy of it.			
Is a copy of the plan attached? Y/N	No	No	No	No	No
Project Description Describe the treatment system including each individual component):	Sulfate reducing bacteria passive treatment system Pond 1 – Grit Settling Pond Pond 2 – Wetland Pond 3 – Bioreactor Pond 4 – Settling pond	Sulfate reducing bacteria passive treatment system Pond 1 – Grit Settling Pond Pond 2 – Bioreactor Pond 3 – Settling pond	Sulfate reducing bacteria passive treatment system Pond 1 – Mine discharge collection Pond for 2A & 2B Pond 2 – Equalization Pond Pond 3 – Bioreactor Pond 4 – Settling pond for 2A, 2B and any untreated water	Sulfate reducing bacteria passive treatment system Pond 1 – Mine discharge collection Pond for 2A & 2B Pond 2 – Bioreactor Pond 3 – Settling pond for 2A, 2B and any untreated water	Sulfate reducing bacteria passive treatment system Pond 1 – Mine discharge collection pond Pond 2 – Bioreactor Pond 3 – Settling Pond Pond 4 – Additional Settling Pond

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<b>Pre-Construction Discharge Flow &amp; Monitoring Data</b>					
Is data available electronically? Y/N	Yes	Yes	Yes	Yes	Yes
In what format?	Excel	Excel	Excel	Excel	Excel
Indicate how flow was measured?	Bucket & stopwatch				
Laboratory used or field kits:	DEP Lab				
Could you provide this data to the DEP? Y/N	Yes	Yes	Yes	Yes	Yes
Is a copy of the data attached? Y/N	No	No	No	No	No
<b>Pre-Construction Receiving Stream Flow &amp; Monitoring Data</b>					
Is data available electronically? Y/N	Yes	Yes	Yes	Yes	Yes
In What format?	Excel	Excel	Excel	Excel	Excel
Indicate how flow was measured:	Estimate and other				
Indicate laboratory that analyzed samples (or whether field kits were used):	DEP Lab				
Were any biological or fish surveys completed? Y/N	Yes. Data with IUP/Biology Dept.				
Could you provide this data to the DEP? Y/N	No	No	No	No	No
Is a copy of the data attached? Y/N	No	No	No	No	No
<b>Treatment System Design Info &amp; Criteria</b>					
Who or what firm completed project design?	L. Robert Kimball & Assoc.	L. Robert Kimball & Assoc.	L. Robert Kimball & Assoc.	Knight-Piesold & Co.	L. Robert Kimball & Assoc.
Name				1580 Lincoln St.	
Address	615 W. Highland Ave.	615 W. Highland Ave.	615 W. Highland Ave.	Ste. 1000	615 W. Highland Ave.
Phone	Ebensburg, PA 15931	Ebensburg, PA 15931	Ebensburg, PA 15931	Denver, CO 80203	Ebensburg, PA 15931
Email	814-472-7700	814-472-7700	814-472-7700	303-629-8788	814-472-7700
Contact person	?	?	?	?	?
	Dave Minnear	Dave Minnear	Dave Minnear	?	Dave Minnear

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Are digital photographs of the site before, during and/or after construction available? Y/N	Yes	Yes	Yes	Yes	Yes
Was there a Specific Restoration or Treatment Goal for the treatment system? Y/N	Yes	Yes	Yes	Yes	Yes
If yes, please describe the goal:	95% reduction of parameters				
What is the Design Flow Rate?	30	60	60	15 max	150
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?	During high flows only part of the discharge is treated	During high flows only part of the discharge is treated	During high flows only part of the discharge is treated	During high flows only part of the discharge is treated	During high flows only part of the discharge is treated
<b>Plans and Specifications:</b>					
As-Bid Project Drawings and Technical Specifications					
Is the information available electronically? Y/N	No	No	No	No	No
Could you provide the DEP a copy of the plan? Y/N	The drawings were included in the proposals				
Is a copy attached? Y/N	No	No	No	No	No
<b>As-Built Drawings</b>					
Is the information available electronically? Y/N	No	No	No	No	No
Could you provide the DEP a copy of the plan? Y/N	No	No	No	No	No
Is a copy attached? Y/N	No	No	No	No	No

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<b>Construction and Project Funding Information</b>					
What year was the project constructed?	1999	2000	2004	2002	2003
When (specific date) did project construction begin?	?	?	?	?	?
When (specific date) was project construction completed?	?	?	?	?	?
Who was the construction contractor? (Name, address, Phone, email, contact person)	Britt Energies 1849 S. 6 <sup>th</sup> St. Indiana, PA 15701 724-465-6757	Britt Energies 1849 S. 6 <sup>th</sup> St. Indiana, PA 15701 724-465-6757	Britt Energies 1849 S. 6 <sup>th</sup> St. Indiana, PA 15701 724-465-6757	Maudie Excavation & Hauling 9031 Rt. 286HWY W. Homer City, PA 15748 724-479-0870	Maudie Excavation & Hauling 9031 Rt. 286HWY W. Homer City, PA 15748 724-479-0870
When (specific date) did the treatment system go on-line?	?	?	?	?	?
Title IV, Appalachian Clean Streams	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
PADEP Growing Greener	\$0.00	\$0.00	\$200,000.00	\$0.00	\$25,000.00
10% AMD Set Aside Funds	\$0.00	\$0.00	\$0.00	\$0.00	\$275,000.00
EPA Section 319	\$131,000.00	\$131,000.00	\$0.00	\$158,048.00	\$0.00
OSM Watershed Cooperative Assistance Program	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
NRCS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
EPA Watershed Protection	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
USCOE	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
University	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Private Foundation	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

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How or by whom was treatment system construction funded or other funding not included in the table. (Source, Amount)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Post Construction Operation, Monitoring and Maintenance</b>					
Is there a sampling and monitoring plan? Y/N	Standard BCWA grant plan and maintenance as needed by inspection/mmts.	Standard BCWA grant plan and maintenance as needed by inspection/mmts.	Standard BCWA grant plan and maintenance as needed by inspection/mmts.	Standard BCWA grant plan and maintenance as needed by inspection/mmts.	Standard BCWA grant plan and maintenance as needed by inspection/mmts.
Is a copy of the plan available electronically? Y/N	No	No	No	No	No
Is a copy of the plan attached? Y/N	No	No	No	No	No
Is treatment system currently being sampled and monitored? Y/N	Yes	Yes	Yes	Yes	Yes
If so, by whom?	Dennis Remy, Stream Team	Dennis Remy, Stream Team	Dennis Remy, Stream Team	Dennis Remy, Stream Team	Dennis Remy, Stream Team
Approximately how many hours per year are spent doing O,M&M for this system?	60	60	60	60	60
Where are the samples being analyzed? (Name, Address, Phone, email, contact person)	DEP Lab	DEP Lab	DEP Lab	DEP Lab	DEP Lab
If DEP Lab is being used, what is the project ID and the Sample Information System (SIS) monitoring point IDs?	Kiski Conemaugh River Basin Watershed Monitoring Network (KCRBWNN) Seq IDs 443, 444, & 447	Kiski Conemaugh River Basin Watershed Monitoring Network (KCRBWNN) Seq IDs 445, 446 & 448	Kiski Conemaugh River Basin Watershed Monitoring Network (KCRBWNN) Seq IDs 433, 434 & 435	Kiski Conemaugh River Basin Watershed Monitoring Network (KCRBWNN) Seq IDs 442	Kiski Conemaugh River Basin Watershed Monitoring Network (KCRBWNN) Seq IDs 449, 450, 451
Is there an Operation and Maintenance Plan? Y/N	Standard BCWA grant plan and maintenance as needed by inspection/mmts.	Standard BCWA grant plan and maintenance as needed by inspection/mmts.	Standard BCWA grant plan and maintenance as needed by inspection/mmts.	Standard BCWA grant plan and maintenance as needed by inspection/mmts.	Standard BCWA grant plan and maintenance as needed by inspection/mmts.
Is the plan available electronically? Y/N	No	No	No	No	No
Could you provide the DEP a copy of this information? Y/N	Yes	Yes	Yes	Yes	Yes

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Is a copy of the information attached? Y/N	No	No	No	No	No
Comments on the treatment system:					
<b>Post-Construction Discharge Flow and Monitoring Data</b>					
Is the data available electronically? Y/N	Yes	Yes	Yes	Yes	Yes
In what format?	Excel	Excel	Excel	Excel	Excel
Indicate how the flow was measured:	Bucket & Stopwatch				
Could you provide the DEP a copy of this information? Y/N	Yes	Yes	Yes	Yes	Yes
Is a copy of the information attached? Y/N	No	No	No	No	No
<b>Post-Construction Receiving Stream Flow and Monitoring Data</b>					
Is the data available electronically? Y/N	No	No	No	No	No
In what format?	NA	NA	NA	NA	NA
Indicate how the flow was measured:	NA	NA	NA	NA	NA
Could you provide the DEP a copy of this information? Y/N	Yes but sampling was downstream from other discharges.	Yes but sampling was downstream from other discharges.	Yes but sampling was downstream from other discharges.	Yes but sampling was downstream from other discharges.	Yes but sampling was downstream from other discharges.
Is a copy of the information attached? Y/N	No	No	No	No	No
Were any biological or fish surveys that were completed on the receiving stream? Y/N	By other agents: e.g. Stream Team, IUP/Bio; FB&;C	By other agents: e.g. Stream Team, IUP/Bio; FB&;C	By other agents: e.g. Stream Team, IUP/Bio; FB&;C	By other agents: e.g. Stream Team, IUP/Bio; FB&;C	By other agents: e.g. Stream Team, IUP/Bio; FB&;C
<b>Treatment System Maintenance and /or Rehabilitation</b>					
Has rehabilitation work been performed at the site? Y/N	Yes	Yes	Yes	Yes	Yes

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If yes, please list the rehabilitation activity.	?	?	?	?	?
If yes, please list the date rehabilitation	?	?	?	?	?
If yes, please list the rehab cost.	?	?	?	?	?
What routine or non-routine maintenance issues have arisen since system was put online?	?	?	?	?	?
How was maintenance work funded?	?	?	?	?	?
What maintenance is needed or anticipated in the next 1-3 years?	?	?	?	?	?
<b>Other Comments</b>					
<b>Person(s) Completing form:</b> Name Address Phone Email Date Completed	Dennis Remy 5320 Ferguson Road, Indiana, PA 15701 724-349-8597 Dennir3@comcast.net				
<b>Any other contact?</b>	Bob Eppley				