

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

Project Name and or No.: Klondike Project, KL-2 treatment system

PA-265

Location: Municipality and County: Dean & Gallitzin Twps Cambria Co.
Watershed: Little Laurel Run (Clearfield Creek)
USGS Quadrangle: Ashville and Altoona
Latitude and Longitude: 40.556 N 78.5069 W

Contact Information

Contact Organization: Clearfield Creek Watershed Association
Contact Person: Arthur Rose
Contact Address: 726 Edgewood Circle
State College, PA 16801

Contact Telephone Number: 814-865-7261
Contact Email: awr1@psu.edu

Organization Currently Responsible For Project Operations, Monitoring and Maintenance

Is this organization different from Contact Organization? No
Organization Name: Clearfield Creek Watershed Association
Organization Contact Name: Earl Smithmyer
Organization Contact Address: 316 beldin Hollow Road
Ashville, PA 16613

Organization Telephone Number: 814-944-2383 (Smithmyer)
Organization Email: gerald72@verizon.net

Site Information

Who owns the property the project is constructed upon?
Hite-Dodson family heirs, and Blair County Solid Waste Authority

Driving Directions to the Project Site (from an easily identifiable reference point):
From Ashville, drive 3 miles east on PA 36, and enter through gate on N side of road; 1/2 mile to KL-2

Special instructions for entry to the site (gates, keys, notifications or permissions, etc.):
Contact Earl Smithmyer, 814-944-2383, for key to gate.

Is there a perpetual access agreement for monitoring and O&M?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Is the site readily accessible (by 2WD vehicle)?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Was project completed as part of an overall watershed restoration plan?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Is the plan available electronically?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Could you provide the DEP a copy of the plan?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Is a copy of the plan attached?	<input type="checkbox"/> Yes	<input type="checkbox"/> No

Project Description (Describe the treatment system including each individual component):
Limestone-lined channel (300 ft), Settling Pond (75 x 85), VFP (230 x 130, 2 ft limestone, 1 ft compost),
Oxidation Pond (130 x 65) and Wetland (420 x 10)

Pre-Construction Discharge Flow and Monitoring Data

Is data available electronically?

☒ Yes ☐ No

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In what format? Microsoft Excel ☒ Access Database ☐ Other (specify) _____

Indicate how flow was measured: 3-foot rectangular weir

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

Mahaffey Labs

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: 2 Weirs (upstream and downstream)

Indicate laboratory that analyzed samples

Mahaffey Labs

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): U.S. Environmental Research Service

1520 Grant St, Altoona, PA

John Foreman, 814-943-6979

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: Remove acidity, release net alkaline water to Little Laurel Run

What is the Design Flow Rate? 150 gal/min

Other design criteria (retention time, acidity loading or removal rate, metals loading or removal rate, alkalinity generation rate, etc.) > 16 hr retention time

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

Takes all of flow, except minor groundwater flow beneath ponds, emerging in wetland

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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? 2007-8

When (specific date) did project construction begin? August 2007

When (specific date) was project construction completed? November 2007

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

Ligonier Construction,

When (specific date) did the treatment system go on-line? November 15, 2007

Primary Funding Partners, and funding provided:

Source	True or false	Amount
Title IV, Appalachian Clean Streams	<input checked="" type="checkbox"/>	<u>50,000</u>
PADEP Growing Greener	<input checked="" type="checkbox"/>	<u>6,427</u>
10% AMD Set Aside Funds	<input type="checkbox"/>	<u> </u>
EPA Section 319	<input checked="" type="checkbox"/>	<u>178,940</u>
OSM Watershed Cooperative Assistance Program	<input type="checkbox"/>	<u> </u>
NRCS	<input type="checkbox"/>	<u> </u>
EPA Watershed Protection	<input type="checkbox"/>	<u> </u>
USCOE	<input type="checkbox"/>	<u> </u>
University	<input type="checkbox"/>	<u> </u>
Private/Foundation	<input checked="" type="checkbox"/>	<u>10,000</u>

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

Source	Amount
<u>Funds above are 50% of total project that included KL-1</u>	<u> </u>
<u>Not clear what this question wants</u>	<u> </u>
<u>Several 10's of thousands of in-kind contribution</u>	<u> </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? Clearfield Creek Watershed Association (Arthur Rose)

Approximately how many hours per year are spent doing O,M&M for this system? 60

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

Mahaffey Labs, Curwensville, PA

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

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: Working well, except some suspended ppt. escaping pond

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: Inflow weir
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: Weirs
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): No

If yes, please list the rehabilitation activity. _____

If yes, please list the date of rehabilitation. _____

If yes, please list the rehabilitation cost. _____

What routine or non-routine maintenance issues have arisen since system was put online?
None

How was maintenance work funded? _____

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

Other Comments

CD of Final Report, monitoring data, Monitoring Plan and drawings available from Joe Allison and DEP-EPA office in Harrisburg. Project was bid with KL-1 system and stream restoration; funds above are half of total project cost, after deduction of stream restoration cost of \$93,611.

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

Arthur W. Rose

726 Edgewood Circle, State College, PA 16801, 814-865-7261, awr1@psu.edu

12/7/08

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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):

Joe Allison or Malcolm Crittenden, Cambria Office.
