



pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Office of Active and Abandoned Mine Operations

EHRENFELD

Abandoned Mine Reclamation Project

Contract No. OSM 11(3041)102.1

Bureau of Abandoned Mine Reclamation

286 Industrial Park Road

Ebensburg, PA 15931-4119

**DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF ACTIVE AND ABANDONED MINE OPERATIONS
BUREAU OF ABANDONED MINE RECLAMATION**

**EHRENFELD
ABANDONED MINE RECLAMATION PROJECT
CONTRACT NO. OSM 11(3041)102.1**

FACT SHEET

Location: The project site is located in Ehrenfeld Borough and Croyle Township, Cambria County. The site can be accessed from the United States Route 219 (US-219) South Fork/Portage Exit by turning left onto Railroad Street (S.R. 53) towards South Fork, after 0.2 miles turn right onto the Oak Street bridge, after crossing over the bridge turn right onto Portage Street, after 500 feet Portage Street changes names to 2nd Street, after 0.3 miles turn left onto 3rd Street. The site is then accessed from left side of 3rd Street.

Watershed: Unnamed Tributary to Little Conemaugh River, Cold Water Fishes (CWF); and the Little Conemaugh River, Warm Water Fishes (WWF).

Official Start Date: April 28, 2016

Contract Completion Date: August 25, 2020

Contractor: Rosebud Mining Company

Property Owners: ArcelorMittal Pristine Resources, LLC,
Borough of Ehrenfeld,
Eugene and Janet Moratti,
Rosebud Mining Company

The following organizations are partners of the project:

Community for Foundation for the Alleghenies,
Foundation for Pennsylvania Watersheds,
Cambria County Conservation & Recreation Authority
Stoneycreek-Conemaugh River Improvement Project
Office of Surface Mining
PA DEP Cambria District Mining Office
Forest Hills Regional Alliance
Ehrenfeld Borough
Croyle Township
South Fork Borough
American Chesnut Foundation

<u>Project Cost:</u>	<p>\$16,799,451.25 (Final Amount), \$13,455,319 (Bid Amount) \$12,736,920* (Additional refuse disposal fee) *License agreement fee between Rosebud Mining Company and PA DEP \$26,192,239 (Total Bid Amount with refuse disposal fee)</p>
<u>Project Area:</u>	<p>82.2 acres of combined dangerous abandoned mine lands that is comprised of: 36 acres of dangerous pile embankment, 10 acres of a dangerous slide, 6.2 acres of surfacing burning material, 10 acres of mine refuse gob material, 15 acres of haul road area, 5 acres of incidental areas and a clogged stream condition that has impacted an unnamed tributary of the Little Conemaugh River.</p>
<u>Purpose:</u>	<p>To eliminate public health and safety hazards that are located on abandoned mine land (AML) and in close proximity to high foot traffic areas.</p>
<u>Description:</u>	<p>The Ehrenfeld dangerous pile project involved eliminating 62.2 acres of dangerous AML. The pile of 3.2 million tons of AML related materials was comprised of loose, unconsolidated shale and coal refuse with extremely high and steep slopes. It was also eroding coal fines that clogged the unnamed tributary that flows west of the pile and the Little Conemaugh River. In addition, the pile was leaching highly acidic water into the river. Local air quality was degraded by burning areas of the pile venting hazardous fumes. Evidence of high foot traffic included all-terrain vehicle (ATV) and motorcycle tracks and trails, as well as fire pits, empty bottles and cans, and other garbage. The 3.2 million tons of dangerous abandoned mine land materials was excavated, blended with alkaline addition material, and disposed of within the approved adjacent Surface Mining Permit Number 11080101 operated by the Rosebud Mining Company via a proposed 5,000-foot-long haul road. Once the refuse related materials were removed, surface drainage features were constructed. The area was regraded to promote infiltration and seeded and mulched to promote revegetation of the excavated area. The 15-acre haul road area was restored to the original pre-construction condition to accommodate planting various tree species including American Chestnut Trees. Over 115 residential structures are located within 500 feet of the project site while the nearest home is located within 20 feet from the former base of the dangerous pile area. These dangerous abandoned mine features, located within Problem Areas PA 3041 and PA 3261 and referenced within the Geistown 7.5 Minute USGS Quadrangle Map, are a direct result of various deep mining activities that began as early as 1903 and ceased operation prior to 1971 by the Pennsylvania Coal and Coke Company's Ehrenfeld Mine No. 3 in the Lower Kittaning Coal Seam and Ehrenfeld Mine No. 8 in the Lower Freeport Coal Seam. Each AML feature met the Office of Surface Mining Reclamation and Enforcement's (OSMRE) Priority 2 safety criteria. After the site reclamation, the property owner and partners of the project promoted a portion of the site for recreational and tourism usage while also implementing</p>

transportation safety modifications to the adjacent “Path of the Flood Trail” that commemorates the Johnstown Flood of 1889 .

Funding:

Pennsylvania’s Abandoned Mine Land Grant, 30% AMD Abatement and Treatment Set-Aside, Pennsylvania’s Growing Greener Program, Abandoned Mine Land Economic and Revitalization (AMLER) program, and various funding amounts from: Community for Foundation for the Alleghenies, Foundation for Pennsylvania Watersheds, American Chestnut Foundation and Cambria County Conservation & Recreation Authority.

Project Management:

Bureau of Abandoned Mine Reclamation
Cambria District Office
814.472.1800

Accomplishments:

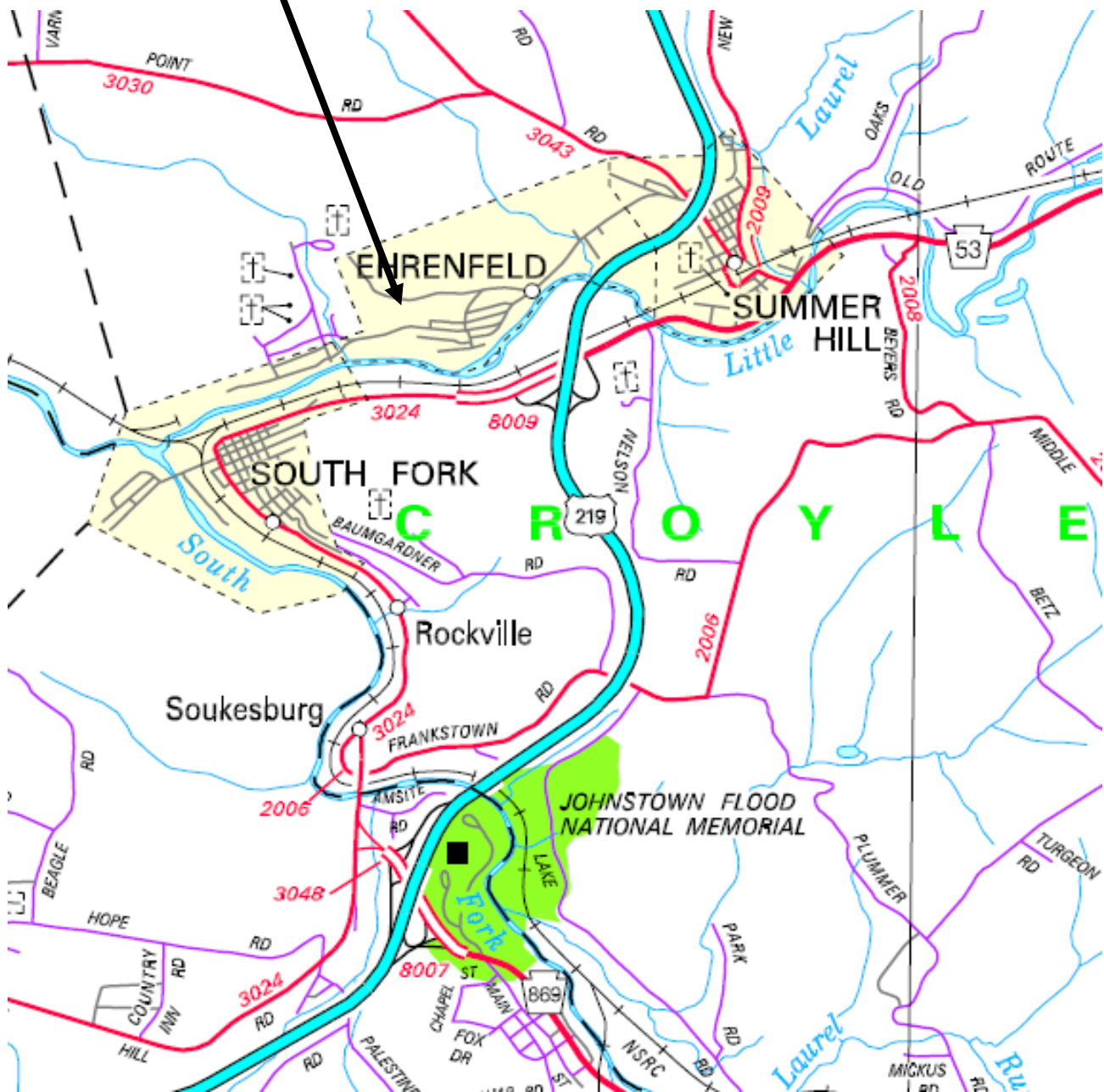
PRIORITY	AMLF #	AMLF KEYWORD	MEASUREMENTS						QUANTITY	UNIT
			ACRES	HEIGHT	LENGTH	COUNT	VOL.	FLOW		
2	3041-5	DS	10.0	-	-	-	-	-	10.0	ACRE
2	3041-6	DPE	36.0	-	-	-	-	-	36.0	ACRE
3	3041-7	GO	10.0	-	-	-	-	-	10.0	ACRE
2	3041-8	SB	5.0	-	-	-	-	-	5.0	ACRE
2	3041-9	CSL	1.0	-	-	-	-	-	1.0	ACRE
2	3261-4	DPE	10.0	-	-	-	-	-	10.0	ACRE

AMLF = Abandoned Mine Land Feature
DS = Dangerous Slide
DPE = Dangerous Piles and Embankments
GO = Gob
SB = Surface Burning
CSL= Clogged Stream Lands

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Location Map

Ehrenfeld
OSM 11(3041) 102.1
Croyle Township and Ehrenfeld Borough
Cambria County



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Pre-Construction



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Pre-Construction



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During Construction



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During Construction



Haul Road Construction on Refuse Pile No.1



Haul Road Construction on Refuse Pile No. 1



First Bucket of Refuse on Refuse Pile No. 1



Sediment Pond along Haul Road

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Post Construction



Gabion Baskets, Channel No. 3 on Refuse Pile No. 1



Guiderail along 2nd Street looking East on
Refuse Pile No. 1



Guiderail along 2nd Street looking West over
Refuse Pile No. 1



Channel No. 1 Grouted and Finished