

Office of Active and Abandoned Mine Operations

REDLAND MINE DRAINAGE TREATMENT PROJECT Abandoned Mine Reclamation Project Contract No. GG 02(2276)103.1

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

REDLAND MINE DRAINAGE TREATMENT PROJECT ABANDONED MINE RECLAMATION PROJECT CONTRACT NO. GG 02(2276)103.1

FACT SHEET

Location: The project site is located in Harmar Township, Allegheny

County. The site can be accessed from the Pittsburgh Interchange (Exit 57) of the Pennsylvania Turnpike Interstate 76 (I-76), travel 9.7 miles along westbound I-76 and exit from I-76 at the Allegheny Valley Interchange (Exit 48), bear right onto Freeport Road and after 0.6 miles turn right onto Indianola Road (PA-910), after 1.1 miles turn right onto Rich Hill Road, after 0.6 miles turn left into the parking lot of the Redland Brick plant. From the western end of the parking lot, turn left onto an access road that passes under the Pennsylvania Turnpike Interstate 76 (I-76), the treatment ponds are then located on the right side at the

end of the access road.

Watershed: Deer Creek, Cold Water Fishes (CWF)

Official Start Date: March 24, 2014

Contract Completion Date: October 27, 2014

Contractor: Adam Eidemiller, Inc.

Property Owners: Redland Brick, Inc. Clean Streams Foundation, Inc.

15718 Clear Spring Road (Trustee)

Williamsport, MD 21795 520 W. Short Street

Lexington, KY 40507-1252

Project Cost: \$213,877.50 (Final Amount), \$158,916.61 (Bid Amount)

Project Area: 1.5 Acres

Purpose: To treat acid mine drainage and eliminate abandoned mine public

health and safety hazards located within close proximity to places

of intense visitation of humans.

Description: The Redland Mine Drainage Treatment project constructed two

iron oxide settling pond cells to lessen a 1,200 gallon per minute acid mine drainage impairment to Deer Creek. The iron oxide settling ponds were uniquely constructed in between Deer Creek and the Pennsylvania Turnpike Interstate 76 (I-76). During the spring and summer of 2013 an exploratory drilling project safely lowered a dangerous underground mine pool water impoundment that upwelled and discharged through the Redland Brick plant

facility before flowing untreated into Deer Creek.

The reclaimed dangerous abandoned mine features are located within Problem Area 2276 (PA 2276), which is referenced within the New Kensington 7.5 Minute USGS Quadrangle Map. The acid mine drainage and dangerous underground mine pool water impoundment condition was a direct result of the Republic Steel Corporation's Indianola Deep Mine that was in operation prior to 1957.

Funding: Growing Greener II (GG II), Bond Issue Funds, and funds derived

from the Clean Streams Trust

Project Management: Bureau of Abandoned Mine Reclamation

Cambria District Office

814.472.1800

Accomplishments:

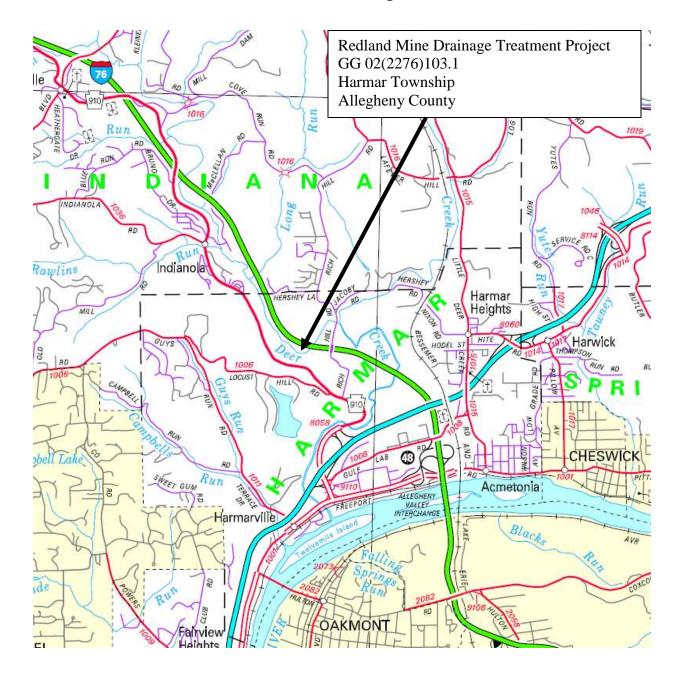
Y		AMLF KEYWORD	MEASUREMENTS						Ľ	
PRIORIT	AMLF#		ACRES	HEIGHT	LENGTH	COUNT	VOL.	FLOW	QUANTIT	UNIT
3	2276-01	WA	-	-	-	-	-	2,400	-	GALLONS PER MINUTE
2	2276-02	DI	-	-	-	1	-	-	1	COUNT

AMLF = Abandoned Mine Land Feature

WA= Water Area

DI= Dangerous Impoundment

Location Map



Pre-Construction



Pre-Construction



Pre-Construction





Contractor placing entrance road to job site under PA Turnpike bridge.

Contractor placing E&S fence and laying out project.





Contractor mobilizing equipment to job site.

Original channel on project site.

During Construction





Contractor placing E&S around excavated ponds.

Contractor placing brick rubble on channels sides and bottoms.





Contractor excavating for well head pads.

Contractor excavation for ponds.

Post Construction





Fence around holding ponds.

Fence around holding ponds.





Fence around well head.

Overview picture of ponds from baffle.