



# pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Office of Active and Abandoned Mine Operations

PINE GROVE NORTH (GLEN RICHEY) WATERLINE  
Abandoned Mine Reclamation Project  
Contract No. OSM 17(6483)101.1

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

PINE GROVE NORTH (GLEN RICHEY) WATERLINE  
ABANDONED MINE RECLAMATION PROJECT  
CONTRACT NO. OSM 17(6483)101.1

FACT SHEET

**Location:** The project site is located in Lawrence Township, Clearfield County. From Interstate-80 West, take Exit 120 for PA-879 toward Clearfield. Turn left onto PA-879 West and follow for 3.1 miles. Turn left onto the PA-153 North/PA-153 South ramp. Turn right onto PA-153 South. This is where the waterline ties into the existing Clearfield Municipal Authority (CMA) waterline.

**Watershed:** West Branch of the Susquehanna River, Warm Water Fishes (WWF); Unnamed Tributaries (UNTs) to West Branch of the Susquehanna River, Cold Water Fishes (CWF); Clearfield Creek, WWF; UNTs to Clearfield Creek, CWF; Laurel Run, High-Quality Cold Water Fishes (HQ-CWF); and UNTs to Laurel Run, HQ-CWF.

**Official Start Date:** April 9, 2018

**Contract Completion Date:** August 29, 2019

**Contractor:** C&R Directional Boring, LLC  
3725 Williams Road  
Clearfield, PA 16830

**Property Owners:** Clearfield Municipal Authority (CMA)

**Project Cost:** \$4,133,171.50 (Bid Amount), \$5,356,443.05 (Final Amount)

**Project Area:** The public waterline extends approximately 97,890 linear feet to 187 Office of Surface Mining (OSM) Abandoned Mine Land (AML) eligible homes and five non-eligible homes.

**Purpose:** Eliminated eligible abandoned mine health and safety hazards related to contaminated or diminished individual potable water supplies and wells.

**Description:** The Pine Grove North (Glen Richey) Waterline project extended a waterline approximately 97,890 linear feet to 187 OSM AML-eligible homes and five non-eligible homes within municipal authority, township, and state right-of-ways. The waterline serves residents along Carbon Mine Road, Natures Lane, Read Road, SR-2024, Antes Hill Road, Pine Grove Nursery Road, SR-2023, Parker Road, Bloom Road, Scribbers Road, Knotty Pine Road, Log Cabin Road, Fire Tower Road,

SR-1005, Clover Hill Road, Litz Road and SR-153. The project also included the construction and installation of a pump station and finished water storage tank which supports this project and facilitates future expansion of the waterline service. Through a Professional Geologist’s “Hydro Report,” it was determined that the drinking water sources in the Glen Richey area were diminished and that the quality was significantly degraded. The water supplies in the area did not meet minimum state and federal drinking water standards. The water problems were attributed to underground mines that were extensively operated by Peale, Peacock & Kerr, Inc. and Wiley Coal Company prior to 1936. These dangerous abandoned mine features of Polluted Water–Human Consumption (PWHC) are located within Problem Areas 0103, 1313, 6473, 6474, 6475, 6476, 6477, 6480, 6481, 6482, 6483 and 6484, which are located on the Glen Richey and Clearfield 7.5 Minute USGS Quadrangle Maps. These dangerous abandoned mine features met OSM’s Priority 2 safety criteria.

**Funding:** Pennsylvania’s Abandoned Mine Land Grant (\$824,915.43); Pennsylvania’s FY 2016 AML Pilot Grant (\$4,531,527.62)

**Project Management:** Bureau of Abandoned Mine Reclamation  
Cambria District Office  
814.472.1800

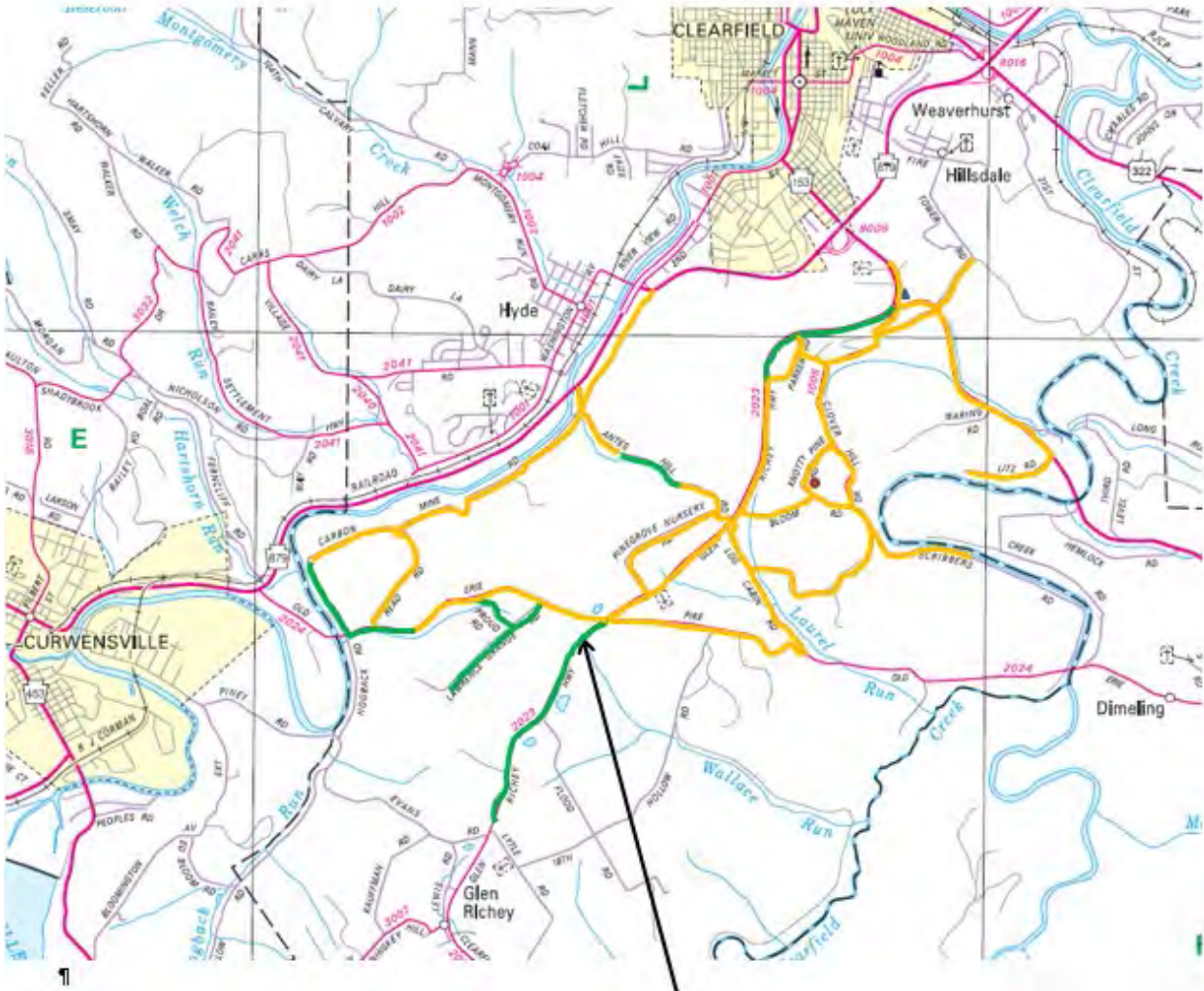
**Accomplishments:**

PRIORITY	AMLF #	AMLF KEYWORD	MEASUREMENTS						QUANTITY	UNIT
			ACRES	HEIGHT	LENGTH	COUNT	VOL.	FLOW		
2	0103-03	PWHC				20			20	COUNT
2	1313-08	PWHC				18			18	COUNT
2	6473-08	PWHC				11			11	COUNT
2	6474-05	PWHC				16			16	COUNT
2	6475-06	PWHC				10			10	COUNT
2	6476-06	PWHC				6			6	COUNT
2	6480-08	PWHC				31			31	COUNT
2	6481-09	PWHC				13			13	COUNT
2	6482-04	PWHC				2			2	COUNT
2	6483-09	PWHC				21			21	COUNT
2	6484-09	PWHC				39			39	COUNT

AMLF = Abandoned Mine Land Feature  
PWHC= Polluted Water - Human Consumption

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Location Map



Pine Grove North (Glen Richey) Waterline  
OSM 17(6483)101.1  
Lawrence Township  
Clearfield County

PINE GROVE NORTH (GLEN RICHEY) WATERLINE  
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Pre-Construction



Pump station location



Water storage tank location



Water tank location

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Pre-Construction



SR-153 N Krebs Highway, waterline location



SR-153 S Krebs Highway, waterline location

PINE GROVE NORTH (GLEN RICHEY) WATERLINE  
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During Construction



Pump station footer

PINE GROVE NORTH (GLEN RICHEY) WATERLINE  
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During Construction



Water storage tank



Water storage tank



PINE GROVE NORTH (GLEN RICHEY) WATERLINE  
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During Construction



Drilling waterline



Installing waterline

PINE GROVE NORTH (GLEN RICHEY) WATERLINE  
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Post Construction



Pump station



Inside pump station

PINE GROVE NORTH (GLEN RICHEY) WATERLINE

Post Construction



Water storage tank



Waterline

PINE GROVE NORTH (GLEN RICHEY) WATERLINE  
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Post Construction



Waterline and blow off