



# pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Office of Active and Abandoned Mine Operations

COALDALE

Abandoned Mine Reclamation Project

Contract No. OSM 14(4565)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

COALDALE  
ABANDONED MINE RECLAMATION PROJECT  
CONTRACT NO. OSM 14(4565)101.1

FACT SHEET

**Location:** The project site is located in Rush Township, Centre County. The site can be accessed from Interstate 99 (I-99) at the Bald Eagle Exit No. 52 (S.R. 350/U.S. 220). After traveling approximately 15 miles north on the Philipsburg/Tyrone Pike (S.R. 350) into Phillipsburg, turn right onto East Presqueisle Street (S.R. 504). Travel 1.5 miles on (S.R. 504) and turn left onto One Mile Run Road. Travel 0.5 miles and turn right onto Lock Lomand Road. After traveling northeast 0.5 miles, the road name changes to Coaldale Road (T.R. 535) and after traveling 2.1 miles the site is located on the right side of Coaldale Road (T.R. 535).

**Watershed:** Moshannon Creek (TSF) and Unnamed Tributary to Moshannon Creek (CWF)

**Official Start Date:** May 25, 2014

**Contract Completion Date:** May 25, 2015

**Contractor:** Morgan's Excavating, LLC

**Property Owners:** Carmen III, Inc.  
c/o John Scipione  
245 Pine Hurst Court  
State College, PA 16803

Commonwealth of PA  
Dept. of Conservation and Natural Resources  
Bureau of Forestry  
P.O. Box 8552  
Harrisburg, PA 17105-8552

**Project Cost:** \$865,480.04 (Final Amount), \$819,444 (Bid Amount)

**Project Area:** 61.0 Acres

**Purpose:** To eliminate eligible abandoned mine public health and safety hazards that are located within close proximity to places of intense visitation of humans.

**Description:** The Coaldale project eliminated two dangerous highwalls that were in excess of over 50 feet high and at a combined length of over 7,000 linear feet. The adjacent parent spoil pile areas were

utilized to backfill and reclaim each of the dangerous highwalls. One inhabitable structure is located 500 feet from the site and Coaldale Road (T.R. 535) runs continuously near the base of the site. Coaldale Road (T.R. 535) promoted intense public visitation that resulted in massive garbage dumping, fire rings, empty alcohol containers, empty gunshot shells, and all-terrain vehicle (ATV) riding. The Forestry Reclamation Approach (FRA) method was utilized for the rough grading backfill and tree planting of over 38,000 trees seedlings. The FRA grading method also promoted storm water infiltration as a best management practice (BMP) to prevent soil erosion. The end result of the FRA method provided a final irregular rough grade of hummocky mounds and deep tilled depressions that will provide for an excellent tree growth condition for years to come. In addition to the FRA tree planting that dominated the backfill area, the American Chestnut Foundation of Asheville, North Carolina donated and planted over 525 American Chestnut trees within an one-acre fenced-in plot that will be monitored by the Foundation in perpetuity. These dangerous abandoned mine features were located within Problem Area 4565 (PA 4565), which is referenced within the Philipsburg 7.5 Minute USGS Quadrangle Map. This dangerous condition was a direct result of surface mining performed in 1966 by K&M Kephart, Inc. These dangerous abandoned mine features qualified for the Office of Surface Mining's (OSM's) Priority 2 safety criteria.

**Funding:** Pennsylvania's Abandoned Mine Land Grant

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

In addition to the 525 American Chestnut trees seedlings that were donated and planted by the American Chestnut Foundation, the contractor planted a total of 38,000 tree seedlings that consisted of the following:

5,862 of Eastern White Pine,  
4,122 each of Northern Red Oak, Chestnut Oak, Black Cherry, and Norway Spruce,  
4,111 of White Oak,  
3,295 each of Black Walnut, Sugar Maple, and Black Oak, and  
827 each of Black Locust and Swamp White Oak.

All tree seedling planting was performed utilizing the FRA method

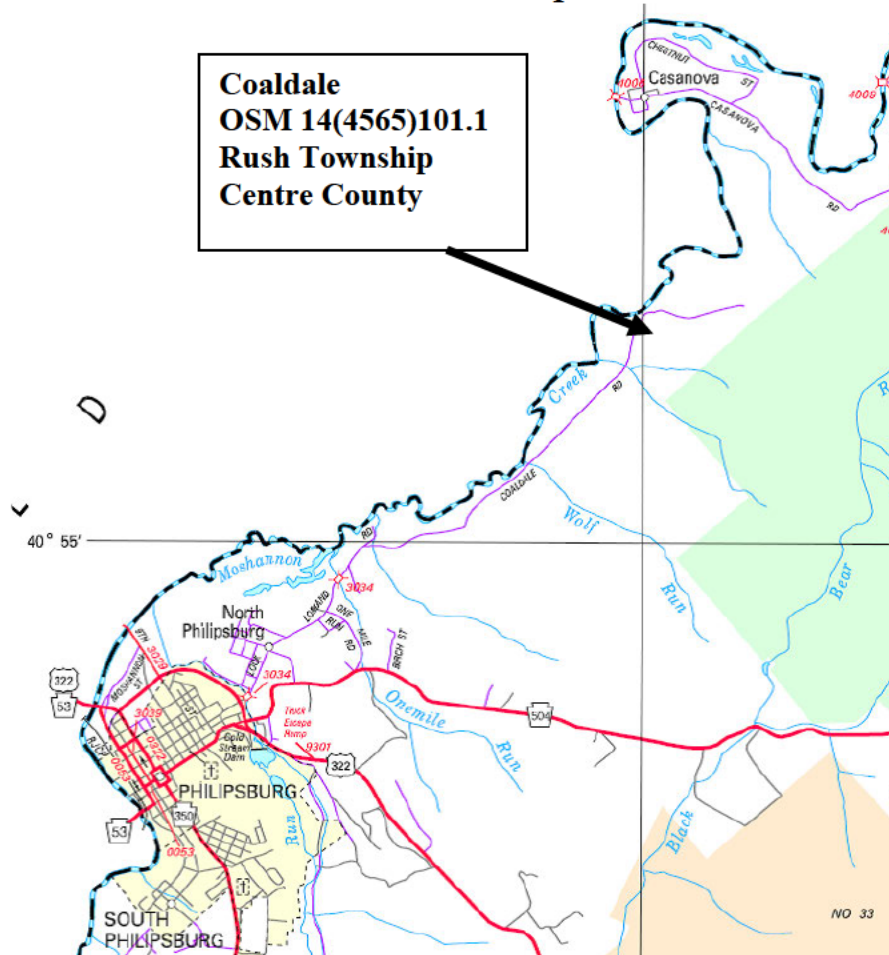
**Accomplishments:**

| PRIORITY | AMLF #  | AMLF KEYWORD | MEASUREMENTS |        |        |       |      |      | QUANTITY | UNIT  |
|----------|---------|--------------|--------------|--------|--------|-------|------|------|----------|-------|
|          |         |              | ACRES        | HEIGHT | LENGTH | COUNT | VOL. | FLOW |          |       |
| 2        | 4565-02 | DH           | -            | -      | 6,000  | -     | -    | -    | 6,000    | L.F.  |
| 3        | 4565-03 | SA           | 17           | -      | -      | -     | -    | -    | 17       | ACRES |
| 3        | 4565-04 | SA           | 20           | -      | -      | -     | -    | -    | 20       | ACRES |
| 2        | 4565-05 | DH           | -            | -      | 1,000  | -     | -    | -    | 1,000    | L.F.  |

AMLF = Abandoned Mine Land Feature  
 L.F.= Linear Feet  
 DH= Dangerous Highwall  
 SA= Spoil Area

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**Location Map**



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Pre-Construction



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During Construction



Underdrain excavation.



Grading at Area 2.



Grading at Area 2.



Incorporating lime at Area 4.

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Post-Construction



Final grade at Grading Areas 1 and 2.



Final grade, vegetative filter strip and brush barrier at Area 2.



Vegetative filter strip and brush barrier at Grading Area 5.



Corner of the one-acre fenced-in plot of the American Chestnut tree seedling planting area.