



pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Office of Active and Abandoned Mine Operations

CROWN/TYLERSBURG
Abandoned Mine Reclamation
Contract No. OSM 16(0886,3316)101.1



Bureau of Abandoned Mine Reclamation
286 Industrial Park Road
Ebensburg, PA 15931

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

**CROWN/TYLERSBURG
ABANDONED MINE RECLAMATION
CONTRACT NO. OSM 16(0886,3316)101.1
FACT SHEET**

Location: Farmington Township, Clarion County

Official Start Date: 5/20/2012

Contract Completion Date: 5/13/2013

Contractor: Gralan Corporation

Property Owners:

Dennis and Robin Kahle 501 Arnold Avenue Leeper, PA 16233	David and Barbara Kahle 571 Arnold Avenue Leeper, PA 16233
Keith and Patty McCloskey P.O. Box 114 Tylersburg, PA 16361	James M. and Sharon M. Kahle 621 Arnold Avenue Leeper, PA 16233
Keith and Deborah Breitenstein 1301 Grouse Drive Pittsburgh, PA 15243	Denise McCloskey and Ronald Kuleck P. O. Box 5 Tylersburg, PA 16361
Dennis, Lawrence and Terry Pierce P.O. Box 277 Leeper, PA 16233	

Project Cost: \$367,480.03 (Final); \$ 321,626.98 (Bid Amount)

Project Area: 25.3 Acres

Purpose: This project consisted of grading the available adjacent spoil material into the pit and returning the surface mine site to approximate original contour. This project also included the draining and removal of two (2) water impoundments. Five (5) inhabitable structures that promoted intense public visitation are located within 1,000 feet of the project site. Access to the dangerous abandoned highwalls located only 300 feet away from the closest structures was eliminated.

Description: The Crown project involved the reclamation of the abandoned mine land features in Problem Area 0886 (PA 0886), Crown and PA 3316, Tylersburg Northeast. The abandoned mine land features (AMLF) that were reclaimed in PA 0886 are: AMLF

No. 0886-01 (DH) dangerous highwall, adjacent AMLF No. 0886-02 (SA) spoil area, AMLF No. 0886-04 (DH) and AMLF No. 0886-03 (SA). The features that were reclaimed in PA 3316 are: AMLF No. 3316-01 (DH) and AMLF No. 3316-02 (SA). The water impoundments were within AMLF No. 0886-01 (DH) and AMLF No. 0886-04 (DH), which when combined, measured approximately 0.995 acres of impounded water that did not discharge. Since the water impoundments measured less than one acre and met the poor water quality of low pH and high aluminum, the water impoundments qualified for the Title 25, Chapter 105, Section 16, Category 1 Waiver. The features are located on the Tylersburg 7.5 Minute USGS Quadrangle Map. The abandoned features were a direct result of the G.A. Stiles Coal Company, which ceased operations prior to 1960.

Funding:

This project was financed through Pennsylvania’s Federal Abandoned Mine Land (AML) Grant funded by the coal industry via fees paid on each ton of coal mined.

Project Management:

Bureau of Abandoned Mine Reclamation
Cambria District Office
814.472.1800

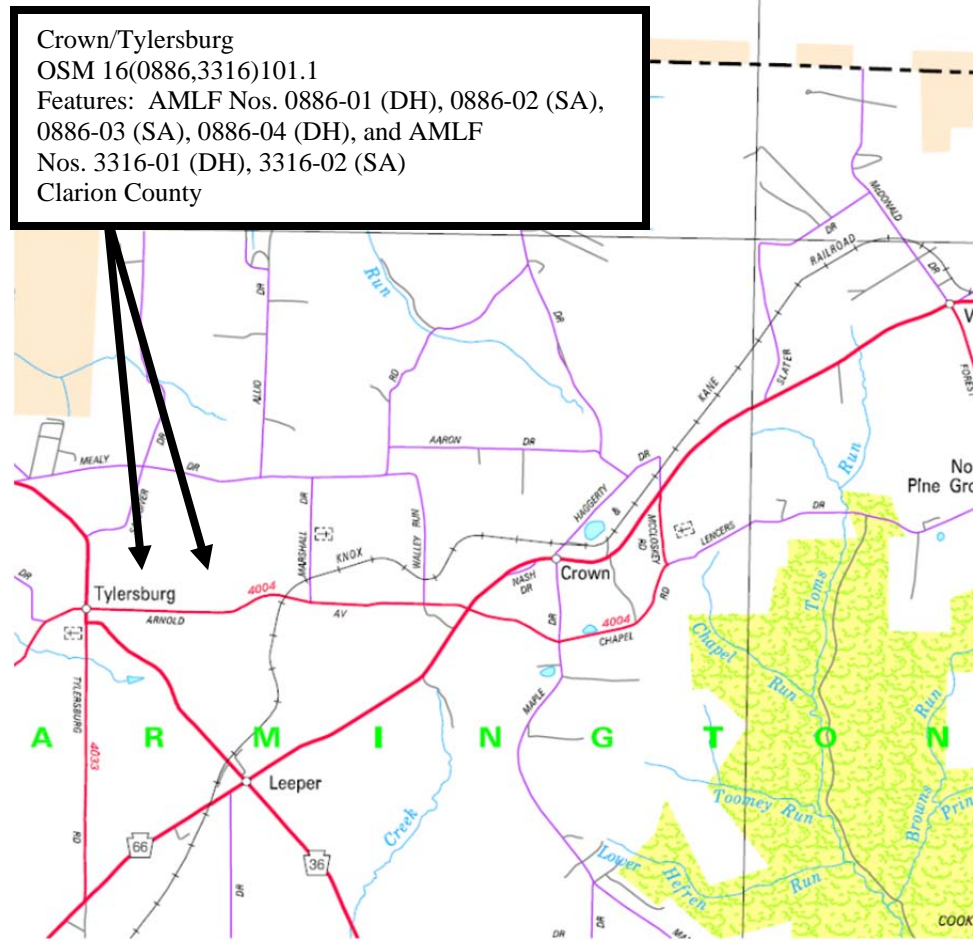
Accomplishments:

PRIORITY	AMLF #	AMLF KEYWORD	MEASUREMENTS						QUANTITY	UNIT
			ACRES	HEIGHT	LENGTH	COUNT	VOL.	FLOW		
2	0886-01	DH	-	-	985	-	-	-	985	L.F.
3	0886-02	SA	7.5	-	-	-	-	-	7.5	ACRES
3	0886-03	SA	3.0	-	-	-	-	-	3.0	ACRES
2	0886-04	DH	-	-	1,100	-	-	-	1,100	L.F.
2	3316-1	DH	-	-	450	-	-	-	450	L.F.
3	3316-2	SA	2.5	-	-	-	-	-	2.5	ACRES

5,381 trees were planted consisting of Northern Red Oak, Black Cherry, Yellow Poplar, Sugar Maple, White Oak, Black Walnut, Chestnut Oak, Bur Oak and Eastern White Pine using the Appalachian Regional Reforestation Initiative (ARRI) Forestry Reclamation Approach (FRA).

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Location Map



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Pre-Construction



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During Construction



Site A, looking north, fill at west end of site (east end of fill).

Site A, looking south, fill at west end of site (west end of fill).



View of site grading looking along western dogleg on Site B.

View of grading along north and east boundaries of Site B.

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Post-Construction



View of grass growing on Site A, looking east.



View of grass growing and water running along Site A, looking east.



View of completed ARRI grading looking along western dogleg on Site B.



View of ARRI grading on Site B, looking west.