Office of Active and Abandoned Mine Operations

HOLLYWOOD AMD TREATMENT PLANT
Abandoned Mine Reclamation Project
Contract No. AMD 17(1416)202.1 DGS 193-37

Bureau of Abandoned Mine Reclamation
286 Industrial Park Road
Ebensburg, PA 15931-4119
FACT SHEET

Location: The plant site is located in the Village of Hollywood, Huston Township, Clearfield County and Jay Township, Elk County. The site can be accessed from Interstate 80 (I-80), Interchange No. 111, by traveling 7.6 miles north on Pennsylvania State Route 153 (SR 153). Turn right onto SR 255 North, travel 3.5 miles, turn right onto Tyler Road, and after 500 feet, turn right onto the treatment plant access road.

Watershed: Bennett Branch Sinnemahoning Creek, Warm Water Fishes (WWF)

Official Start Date: July 1, 2010

Contract Completion Date: August 27, 2013

Contractor: Kukurin Contracting, Inc.
Export, PA

Property Owners: Joseph E. Deaton
Joseph B. Spellen and Joseph P. Tegano
William J. and Anna Marie Herzing
Marion P. Gerber
George A. Rhoads
Marlyn G. and William T. Challingsworth
Rosebud Mining Company
Huston Township
Western Pennsylvania Conservancy
PA DCNR
Richard A. Larkin
Allyson K. and Stephen M. Smith
Clarence A. Cataldo
Huston Township Water Authority
Pittsburgh and Shawmut Rail Road Inc.
Rosebud Coal Sales
Persal Akat
Huston Township Sewer Authority
Richard V. Michuck
Diana D. and Donald J. Uberti
John R. Stoddard
Jacqueline M. and Robert J. Michuck
Judith A. and Robert P. Scott
Property Owners (Continued):
Kim E. Mowery and the Kim E. Mowery Trust Fund
New Shawmut Timber Company Inc.
Kocjancis Family Limited Partnership

Project Cost:
$14,608,912.68 (Final Amount), $14,224,422.00 (Bid Amount)

Project Area:
Approximately 41 Acres, including the plant site and conveyance lines.

Purpose:
To treat acid mine drainage (AMD) from twenty (20) mine seals, two (2) seaps and two (2) horizontal boreholes and discharge treated water with excess alkalinity to restore approximately thirty-three (33) miles of the Bennett Branch Sinnemahoning Creek to a recreational fishery.

Description:
The project involved constructing an AMD active chemical treatment plant that consists of a pre-aeration reactor tank, two oxidation reactor tanks, a clarifier, an effluent monitoring tank and a polishing pond. The plant uses hydrated lime and sludge recirculating technology for treatment. The hydrated lime is stored in a 5,000-cubic foot silo. Polymer is added to promote floculation and the settling of metals. AMD is conveyed to the plant by gravity through pipelines to three pump stations that pump the mine water to the pre-aeration reactor tank. Waste sludge is pumped to one of the two disposal boreholes. The treatment plant is capable of treating 6,000 gallons per minute or 8,640,000 gallons per day. In addition to construction of the plant facilities, work also consisted of general earthwork; site preparation and restoration; installation of 20 wet mine seals; 250 lineal feet (L.F.) of vertical drilling; 1,024 L.F. of horizontal drilling and appurtenances; installation of 19,836 L.F. of AMD conveyance pipelines and 5,125 L.F. of sludge conveyance pipelines; electrical/power; facilities control and processing; facilities lighting; and facilities startup, training, and operation. The abandoned features are a result of the underground and surface mining facilities of the following: New Shawmut Mining Company’s Proctor No. 1 and No. 2 Mines, circa 1955; Buffalo and Susquehanna Coal and Coke Company’s Tyler Mines, circa 1930s; and Underhill Mining Company’s Tyler No. 14 Mines, circa 1967.

Funding:
PA Capital Budget Approval Funds
GG II – Growing Greener II Bond Issue
AMD – AMD Abatement and Treatment SetAside

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

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AMLF – Abandoned Mine Land Feature
MO - Mine Opening
WA – Water
SB – Surface Burning
GO – Gob
CS – Clogged Stream
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CONTRACT NO. AMD 17(1416)202.1 DGS 193-37

Location Map
HOLLYWOOD AMD TREATMENT PLANT
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Pre-Construction
HOLLYWOOD AMD TREATMENT PLANT
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Pre-Construction and Construction

Refuse Pile at Proposed Plant Location

Plant and Polishing Pond

Incorporation of Alkaline Addition during Site Grading
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Pre-Construction and Construction

**AMD Discharge at Friday’s Run**

**Conveyance Line Installation**

**Deep Mine Opening Excavation**

**Wet Seal Installation**

**Friday’s Run after Wet Seal and Channel Installation**
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Pre-Construction and Construction

Construction of Pump Station Underground Tank

Completed Pump Station

Construction of Clarifier

Construction of Clarifier
Pre-Construction and Construction

Construction of Aeration Tanks

Construction of Aeration Tanks

Construction of Control Building
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Construction

Control Building, Lime Silo and Reactor Tanks

Clarifier, Lime Silo and Effluent Monitoring Tank
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Construction
Construction
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Post-Construction
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Post-Construction