Office of Active and Abandoned Mine Operations

FAIRHOPE (MULTI-STRUCTURE SUBSIDENCE)  
Abandoned Mine Reclamation Project  
Contract No. OSM 26(2757)102.1 EMER

Bureau of Abandoned Mine Reclamation  
286 Industrial Park Road  
Ebensburg, PA 15931-4119
FAIRHOPE (MULTI-STRUCTURE SUBSIDENCE)
ABANDONED MINE RECLAMATION PROJECT
CONTRACT NO. OSM 26(2757)102.1 EMER

FACT SHEET

Location:
The project site is located in Washington Township, Fayette County. The site can be accessed from Interstate 76 West (I-76W), Exit 75 for I-70W toward Wheeling, WV. Continue onto I-70W for 13 miles. Take Exit 44 toward Arnold City. Turn left onto State Route 3011, turn right onto Finley Road, turn right to stay on Finley Road, turn left onto Rehoboth Road, turn right onto Cooks Lane, continue onto Long Avenue, turn right onto Perry Avenue and turn left onto Smithfield Street.

Watershed:
Monongahela River, Warm Water Fishes (WWF) and UNT to Monongahela River, WWF

Official Start Date: 6/25/2020

Contract Completion Date: 9/15/2020

Contractor: Howard Concrete Pumping, Inc.

Property Owners:

Dustin A. Leonard
107 Smithfield Street
Belle Vernon, PA 15012

Paulette Raddock
108 Smithfield Street
Belle Vernon, PA 15012

David A. Fisher
109 Smithfield Street
Belle Vernon, PA 15012

James F. Gardner
112 Smithfield Street
Belle Vernon, PA 15012

Patricia A. Lemley
113 Smithfield Street
Belle Vernon, PA 15012

Darryl B. and Darla J. Sickles
116 Smithfield Street
Belle Vernon, PA 15012

Robert E. and Janet L. Baron
117 Smithfield Street
Belle Vernon, PA 15012

Tina Mutich
120 Perry Avenue
Belle Vernon, PA 15012

Kenneth Shultz
107 Dinsmore Street
Belle Vernon, PA 15012

Elmer C. and Mary L. Spiker
117 Dinsmore Street
Belle Vernon, PA 15012

Lorraine K. Gianella
109 Dinsmore Street
Belle Vernon, PA 15012

Thomas J. Oliver
115 Dinsmore Street
Belle Vernon, PA 15012

Terry W. Gray
Project Cost: $797,419.50 (Bid Amount), $1,026,901.79 (Final Amount)

Project Area: 3-Acre subsidence

Purpose: To eliminate public health and safety hazards on abandoned mine lands (AML) located in close proximity to high foot traffic areas.

Description: The Fairhope (Multi-Structure Subsidence) emergency project consisted of reclaiming one (1) Priority 1 Subsidence (S) Abandoned Mine Land Feature (AMLF) located in Washington Township, Fayette County. The existing Priority 2 feature was upgraded to a three-acre Priority 1 feature in Problem Area No. 2757 and referenced on the Fayette City 7.5 Minute USGS Quadrangle Map. On the evening of June 1, 2020, the Department received notification of a possible mine subsidence event in Belle Vernon, PA. Significant structural damage included displaced water and gas lines and damage to the street. A visual inspection by the Department’s BAMR confirmed that a mine subsidence event had occurred at 107 and 109 Smithfield Street, and an examination of the remaining homes revealed approximately 13 structures sustained damage. The impacted structures and surrounding surfaces showed patterns consistent with mine subsidence. The incident was most likely a result of overburden collapse into the Tremont Mine in the Pittsburgh Coal Seam. The Monongahela River Consolidated Coal and Coke Company operated the mine approximately 140 feet beneath the surface and conducted its last mining operations prior to 1940. Since there was a high potential for additional damage to occur, this risk represented an adverse effect on public health and safety according to criteria established by Title IV of the Surface Mining Control and Reclamation Act (SMCRA). An AML emergency project was proposed to stabilize the mine workings below the surface as immediate corrective action was necessary to stabilize the subsidence and to prevent any additional movement that could potentially impact public health and safety. Minimum reclamation work consisted of stabilizing a three-acre subsidence prone area encompassing approximately 13 structures by drilling multiple boreholes around the homes and injecting a flowable Portland Cement grout to backfill any remaining mine voids beneath the properties.

Funding: Pennsylvania’s Abandoned Mine Land Grant

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

Accomplishments:
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<tr>
<th>PRIORITY</th>
<th>AMLF #</th>
<th>AMLF KEYWORD</th>
<th>MEASUREMENTS</th>
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<td>2757-01</td>
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S = Subsidence

The project included drilling and sealing 55 boreholes. Approximately 8,734 cubic yards of grout was injected into the abandoned mine workings.
Pre-Construction
During Construction
Post Construction

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Post Construction