



BERNER CONSTRUCTION, INCORPORATED PROJECT SUMMARY

Project Title: Contrary Run SM 7-8 Mine Reclamation and Acid Drainage Treatment System Project

Location: Snow Shoe Township, Centre County, PA

Scope: Provide labor, materials, equipment, and supervision to reclaim an abandoned strip coal mine area and to construct an acid mine drainage (AMD) treatment system

Berner Construction was awarded a contract from Alder Run Engineering in cooperation with PA Department of Environmental Protection Bureau of Abandoned Mine Reclamation, PA Game Commission, and the Rocky Mountain Elk Foundation to reclaim an abandoned strip coal mine site and construct an AMD treatment system located in Snow Shoe Township in Centre County, PA. The scope of work for this mine reclamation and AMD treatment project included the following:



- implementation of E&S control measures
- limestone cell construction
- settling basin construction
- construction of the drainage ditches, channels, and water piping that make up the AMD seep collection, treatment, and conveyance system
- construction of access roads
- site restoration

Grading and Constructing Limestone Cell

The limestone cell was constructed using a compacted clay liner with geotextile fabric, underdrain distribution piping, and high calcium limestone for pH adjustment. The limestone will raise the pH of the AMD to allow the acidic materials to precipitate from the water and settle out in the setting basin prior to discharge in the existing stream.

The project also involved the reclamation of approximately 35 acres of abandoned mine lands with an estimated 320,000 cubic yards of excavation, 4200 tons of alkaline addition, and construction of 950 linear feet of limestone channel.

The site restoration included seeding, mulching, and constructing brush piles that are suitable for sustaining the wildlife habitats.



Settling Basin