



BERNER CONSTRUCTION, INCORPORATED PROJECT SUMMARY

Project Title: Annandale South Abandoned Mine Reclamation Project

Location: West Sunbury, Butler County, PA

Scope: Provide labor, materials, equipment, and supervision to reclaim an abandoned strip coal mine area and construct two permanent ponds and wetlands

Berner Construction was awarded a contract from the PA Department of Environmental Protection, Bureau of Abandoned Mine Reclamation, to reclaim an abandoned strip coal mine site located in West Sunbury, Butler County, PA. The 70-acre ecosystem restoration project includes clearing and grubbing, channel construction, pond construction, wetland construction, subsurface pipe placement, implementation of the Erosion and Sedimentation Control Plan, grading, and site restoration.

The site was divided into four areas requiring relocation of displaced materials from the mining operations. Approximately 800,610 cubic yards of displaced materials were used to backfill and grade the abandoned mine site.



Construction of Permanent Pond

Berner's Caterpillar D-11 and D-10 bulldozers were used to perform the grading operations. Berner utilized a TopCon GPS system, mounted



Grading Area and Permanent Pond

on the bulldozers to maintain the proper grades through the duration of the project. Two permanent ponds were constructed using clay type soils obtained within the project site. The ponds were constructed with a permanent concrete block emergency spillway. The pond area was completed with the construction of adjoining wetlands using hydric soil from the existing pond areas.

Once the grading and pond construction were completed, the 70 acre site was restored by applying lime, fertilizer, seed and mulch in accordance with the project plans and specifications.

This project was one of three reclamation sites completed simultaneously by Berner Construction in western, PA.