



BERNIER CONSTRUCTION, INCORPORATED PROJECT SUMMARY

Project Title: Newtown South 2 Abandoned Mine Reclamation Project

Location: Reilly Township, Schuylkill County, PA

Scope: Provide labor, materials, equipment, and supervision to reclaim an abandoned strip coal mine area 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 Reilly Township, Schuylkill County, PA. The 50-acre ecosystem restoration project includes clearing and grubbing, dewatering impoundments, excavating, backfilling, grading, drainage excavation, constructing treatment systems, wetland construction, implementation of the Erosion and Sedimentation Control Plan, and site restoration.



Construction of Treatment System

The site was divided into seven areas requiring relocation of displaced materials from the mining operations. The heavily wooded site was cleared and the trees and brush was used to construct 2,000 linear feet of brush barriers for wildlife habitats. Approximately 265,000 cubic yards of displaced materials were used to backfill and grade the abandoned mine site.

In addition to site reclamation, two passive treatment systems were constructed on the site. The treatment systems consisted of several lined ponds, rock-lined channels, inlet control structures, smart drainage systems, piping, and the placement of high calcium containing aggregate.



Treatment Pond after Restoration

Berner's Caterpillar D-11 and D-10 bulldozers were used to perform the grading operations. Berner utilized a TopCon GPS system, mounted on the bulldozers to maintain the proper grades through the duration of the project.

Once the grading was finished and the treatment systems were constructed, the site was restored by the installation of a wetland area, and the application of lime, fertilizer, seed and mulch over the 50 acre site.