



BERNER CONSTRUCTION, INCORPORATED PROJECT SUMMARY

Project Title: Darlington Lake Northwest Abandoned Mine Land Reclamation Project

Location: Darlington Township, Beaver County, PA

Scope: Provide labor, materials, equipment, and supervision to reclaim an abandoned strip coal mine area

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 Beaver County, PA. The funding for the reclamation of this 107 acre site was provided from the state's Growing Greener II program and from the Federal Abandoned Mine Lands program. This ecosystem restoration project included dewatering impoundments, clearing and grubbing, implementation of the Erosion and Sedimentation Control Plan, creating brush piles, grading and backfilling, channel construction, wetland replacement, and site restoration.



Initial Site Conditions

The project included the installation of 2,400 linear feet of rock lined channels, construction of brush piles for small animal habitat, and the installation of permanent storm water diversion swales. Approximately 1,167,000 cubic yards of displaced materials from the mining operation were used to backfill and grade over 5,000 linear feet of highwall on the abandoned mine site. The dangerous highwalls were over 80 feet tall and were a safety hazard to the community.



Final Site Conditions after Restoration

Berner's Caterpillar D-11 and D-10 bulldozers were used to perform the soil grading operation. The D-10R bulldozer is equipped with a TopCon GPS system to maintain the proper grades through the duration of the project.

The final site restoration involved replacement of a 3 acre wetland area, planting 6,800 trees, and seeding, fertilizing, and mulching 110 acres of restored area.