

STATE OF OHIO  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF MINERAL RESOURCES MANAGEMENT

PENROD CPA MAINTENANCE  
PERRY COUNTY, OHIO  
RECLAMATION PROJECT NUMBER PR-Bf-16

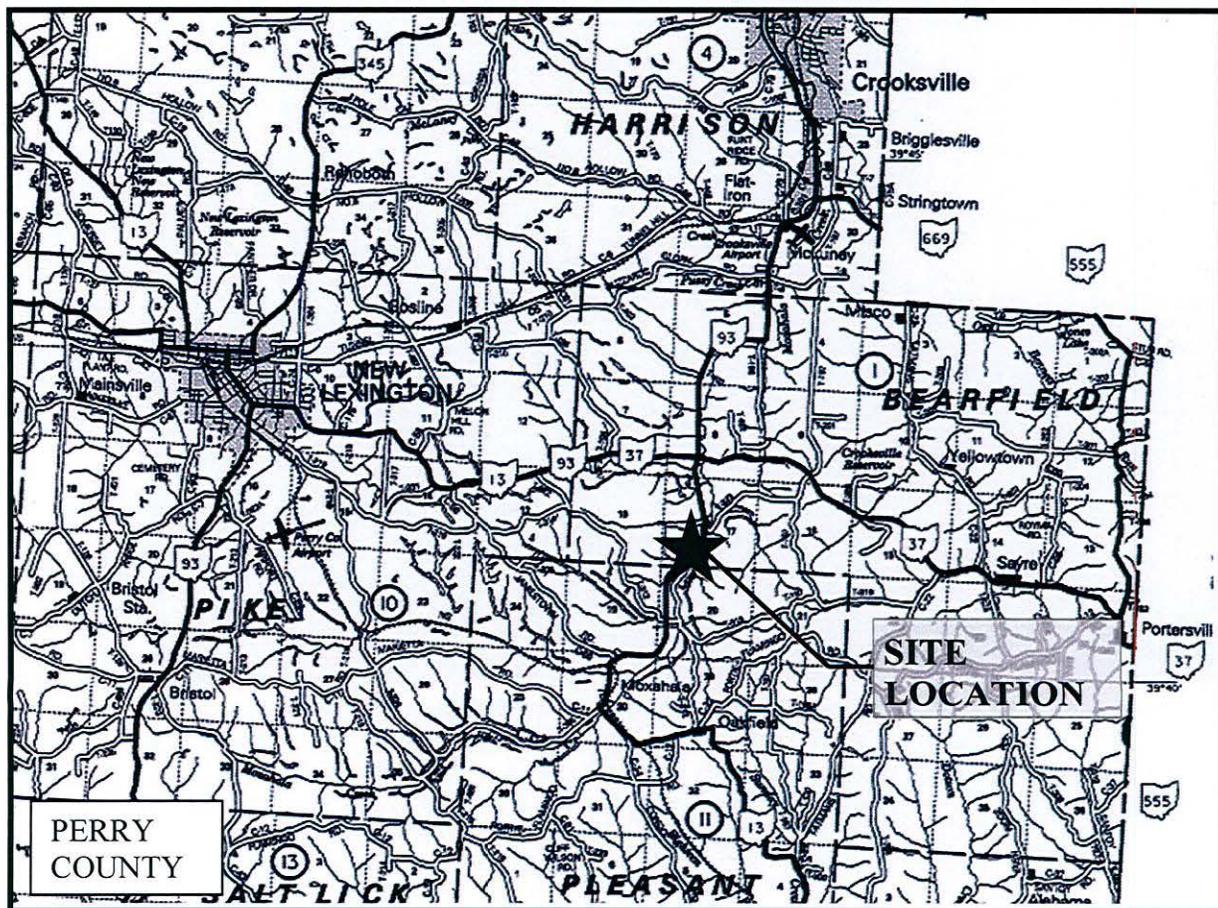
Project Description

The Penrod CPA Maintenance Project is located in Bearfield Township, Section 17, Perry County, Ohio. Directions to the site are as follows: From Crooksville, take OH-93 South for approximately 3.5 miles, continue straight onto OH-13 South for 1 mile; the project area will be located on the right. The project's latitude and longitude are 39°41'23.85"N, 82°6'58.24"W (39.689957°, -82.116178°) based on WGS84 datum.

ODNR Division of Geological Survey records indicate that underground mining was conducted on the #6 Middle Kittanning coal seam by the Cedar Hill Mine (PY-268), operated by the Penrod-Stoneburner Coal Company. The 8.5 acre complex was abandoned in 1940. The opening to the mine was sealed and a drainage pipe was installed by the Crooksville Coal Company through a Civil Penalty Assessment (CPA) completed in June of 1993. The drainage pipe has since failed, resulting in an increase in head pressure on the mine seal due to the flooded mine pool. The mine pool sits approximately twenty feet in elevation up dip of Ohio State Route 13 and the blocked drain is less than 200 feet from the state route. The saturated zone from the drainage has encroached within thirty feet of the current inhabited dwelling. The mine pool is estimated to have a volume of 4.1 million gallons.

The project consists of development of access using a culvert and access drive, excavation and partial removal of the old mine drain system as well as the installation of outlet pipe and underdrains to a precast manhole structure. The underdrains will utilize a 45-mil impervious liner to cutoff mine drainage and direct it to the mine drain collection system. The drainage from the collection system will outlet to a channel in order to convey the discharge and avoid confrontation with the existing gas main. All areas disturbed by construction will be resoiled, limed, fertilized, seeded, and mulched.

The project officer for this project is Bill Jonard in the Blue Rock Office (740) 674-4035, and the project engineer is James J. Judge, P.E. in the Cambridge Office (740) 439-9079.



Location Map  
Penrod CPA Maintenance (PR-Bf-16)  
N.T.S.