



Prime Contractor Experience Heeter Construction, Inc.

New Creek Site 14 Rehabilitation Project Grant County, West Virginia



SCOPE OF WORK

The New Creek Dam was originally constructed in 1963 with a 114' high earth fill embankment, concrete riser, 30" principal spillway pipe, and earth auxiliary spillway. The dam covers a drainage area of 3,204 acres with water surface area at normal pool being 40 acres. The dam provides flood control for downstream areas and water supply to the City of Keyser, West Virginia.

The major items of work in the rehabilitation of the dam included replacement of the reinforced concrete riser intake structure, realignment and reinforcement of the auxiliary spillway utilizing roller compacted concrete, installation of a downstream toe and chimney drainage system, and flattening of the upstream and downstream slopes. Rehabilitation of the dam assured continued flood protection of houses, businesses, utilities, roads, and other infrastructure; protected wildlife and fish habitat; extended the dam's lifespan by another 50 years; maintained the 100-year flood plain; and addressed resource concerns identified by the public.



New Creek Site 14 Rehabilitation Project (continued) Grant County, West Virginia

NOTABLE PROJECT SPECIFICS INCLUDE:

- Unclassified Excavation - 152,519 cy;
- Earth Fill - 136,143cy,
- Drain Fill - 26,583cy;
- Roller Compacted Concrete 28,000cy;
- Elevated Concrete Formwork Systems;
- 92' Tall Structural Concrete Intake Tower;
- Processed Rockfills 1587cy;
- 60' of 30" Outlet Conduit;
- Demolish old riser;
- Construct new 77' riser;
- Grout Holes and Grouting 1,451';
- Bedding Mix and Dental Concrete;
- River Diversions; Dewatering; Stone Slope Protection; and
- Erosion and Sediment Control, Clearing and Grubbing, Temporary and Permanent Seeding and Mulching, and Wetland Restoration.

