

Beaver Creek Watershed Dam Rehabilitation Project Chester County, Pennsylvania

Fact Sheet
December 2021

History of the Dam:

Beaver Creek Flood Control Dam, located on Beaver Creek near Guthriesville, Chester County, is a flood control dam that provides reduction of flood waters for communities located along Beaver Creek, the East Branch Brandywine Creek and the main stem of the Brandywine Creek.

The dam was constructed in 1976 as part of the Brandywine Watershed Work Plan which was developed in 1962 by the Chester County Water Resources Authority (CCWRA), Chester County Board of Commissioners and the USDA Natural Resources Conservation Service (NRCS). The dam is classified as a high hazard dam due to development downstream.



Dam prior to rehabilitation. After rehabilitation dam will be a dry site.

Why Rehabilitate the Dam?

The purpose of the rehabilitation of the dam is bring it up to applicable NRCS and Commonwealth of Pennsylvania standards and design criteria for public health and safety to reduce the risk of loss of human life and property damage.

Rehabilitation will extend the life of the dam for another 50 years.

Rehabilitation Details:

The project will include lowering the auxiliary spillway control section; installing roller compacted concrete armoring in auxiliary spillway crest, exit channel and adjacent side slopes; installing access to toe drains through impact basin headwall; installing sand diaphragm along principal spillway conduit; replacing the principal spillway intake riser; installing rock riprap wave protection along the upstream face of dam; regrade area at downstream toe of dam to provide positive drainage and install a trench drain.

Project Cost:

The NRCS is providing technical assistance and 65 percent of the design and construction cost. Project sponsors are providing easements and land rights for the project and 35 percent of the cost.

Benefits:

Rehabilitation will extend the life of the dam for another 50 years. The dam benefits 4,330 residents; 8 schools with a student population of 3,450; approximately 2,500 employees; and 1,770 properties with a combined assessed value of over \$300 million. Construction began in 2021 and is expected to be completed in early 2022.

Partners:

- Chester County Board of Commissioners
- Chester County Water Resources Authority
- USDA NRCS

For More Information Contact:

NRCS State Engineer
Pennsylvania NRCS Office
Harrisburg, PA
717-237-2100



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