

Project Description - Bilger Run is a tributary to Kratzer Run in the Anderson Creek watershed, a tributary to the West Branch Susquehanna River in Clearfield County, PA and is impaired by abandoned mine drainage. This project entailed the construction of a passive treatment on the Bilger 4.0 discharge. This site is the #2 priority in the sub-basin based on iron and acidity loading. The treatment system consists of an oxic limestone bed (OLD or drainable limestone bed).

Project Timeframe - October 10, 2017 through December 31, 2021

Project Goals - Decrease the acidity, iron, aluminum, and manganese loadings Bilger Run and Kratzer Run caused by the Bilger 4.0 discharge; increase the pH of the stream and generate excess alkalinity in the watershed.

Photos



Project Results – Construction of the Bilger 4.0 Passive Treatment System. Flow is collected in a collection box flowing to the oxic limestone drain. The OLD is flushed by an automatic dosing siphon that drains to an energy dissipater before returning to the UNT of Bilger Run. The Bilger 4.0 Passive Treatment System removes 2.6 ppd of iron, 3.5 ppd of aluminum, 5.3 ppd of manganese, and 30.2 ppd acidity; generates 12 ppd of alkalinity; and increases the pH from 4.3 to 6.9.

Project Costs - \$300,000 EPA Section 319(h).

Lessons Learned - Always make pre-bid meetings mandatory, it will save a lot of headaches in the long run. Only by attending the pre-bid meeting can a contractor truly understand the scope of work for the project and prepare an appropriate bid.

Partners – Clearfield County Conservation District and Susquehanna River Basin Commission

Contact Information - Clearfield County Conservation District