

Poole Farm Manure Management Improvements Project

Location: East Huntingdon Township

Date of Installment: Fall 2024

Design Features: Liquid Manure Storage, Reception Pit, Waste Transfer Pump, Access Road Stabilization With Stone, Subsurface Drainage, Culvert Replacement, Surface Inlet, Outlet Pipe, Concrete Heavy Use Area.

Cost: \$129,275 from the Department for Environmental Protection Growing Greener Grant and \$265,820 match from partners for a total of \$395,095.

Client: Poole Farm

Project Partners: Westmoreland Conservation District, Natural Resources Conservation Service, Mills Excavating, C.A. Poole LLC.

Project Contact: Chelsea Gross, chelseag@wcdpa.com



Installed liquid manure storage

Project Specifications/Benefits:

This project addressed the potential sediment and nutrient runoff from this farm into an unnamed tributary to Buffalo Run in the Sewickley Creek Watershed. Resource concerns included stormwater runoff interacting with manure and soil. To alleviate the sediment and nutrient runoff, a six-month liquid manure storage with a reception pit and waste transfer pump were installed. Approximately 425 ft. of access road was stabilized with stone, 120 feet of subsurface drainage, a 2 ft. by 4 ft. surface inlet, and the installation of a 12", 150 ft. underground outlet pipe. Additionally, the 40 linear ft. farm access road culvert was replaced. In addition to the liquid manure storage, 3,000 square ft. of concrete heavy use area was added between the milking parlor and barn. The farm is also working with NRCS to install a 500 gallon milk house waste collection tank and pump connected to the reception pit, and a 392 square ft. solid manure stacking pad. These best management practices will reduce the amount of nutrient and sediment runoff that is distributed into the unnamed tributary to Buffalo Run. These implementations will also reduce daily labor of the farm and allow better use of nutrients by applying them to the crops when needed for optimal growth.

Before: Eroded farm access road.



After: Farm access road stabilized with stone and subsurface drainage installed.



Before: Eroded heavy use area.



After: Installed concrete heavy use area between milking parlor and barn.

