

C. McChesney Farm Improvement Project – Phase I

Location: Derry Township

Date of Installation: Fall 2024 – Spring 2025

Design Features: Roofed Animal Heavy Use Area, Roofed Manure Stacking Pad, Concrete Apron, Gutters, Downspouts, Subsurface Drainage, and Access Road

Cost: \$241,193.71 of Agriculture Conservation Assistance Program funds and contributions from Natural Resources Conservation Service Environmental Quality Incentives Program.

Client: Clint McChesney

Project Partners: Westmoreland Conservation District, State Conservation Commission, Pennsylvania Department of Agriculture, Natural Resources Conservation Service

Project Contact: Chelsea Gross, chelseag@wcdpa.com, and Allie Shreffler, allie@wcdpa.com



A concrete floor is being poured in a new roofed animal heavy use area with a manure stacking pad.

Project Specifications/Benefits

This project consisted of installing a 3,600 sq. ft. roofed animal heavy use area (AHUA) attached with a 1,680 sq. ft. roofed manure staking pad to keep cattle out of the stream which improved an animal concentration area (ACA) that was located next to the stream that was discharging nutrients and sediment directly to the waterway. A concrete apron was also installed along one side of the building to feed the cattle. Gutters, downspouts, and subsurface drainage was installed to help direct roof runoff, surface runoff, and underground drainage around the roofed AHUA. Lastly, a stabilized access road was installed to prevent any erosion to and from the roofed AHUA. BMPs were imperative to reduce the accelerated erosion and sedimentation occurring at this farm. This project is located within the Conemaugh River Watershed which is classified as a Cold Water Fishery by the Department of Environmental Protection. Additional BMPs will be finished in 2026 by the farmer include streambank fencing, stream crossings, and watering troughs for phase II of the ACAP project.

Before: Muddy animal concentration area with runoff leading directly to the stream.



After: Roofed animal heavy use area with a manure stacking pad to keep cattle out of the stream.

