

# PROJECT: DAIRY

BEFORE

LOCATION: NOTTINGHAM, PA



## PROJECT DESCRIPTION

This project involved installing Best Management Practices (BMPs) on an Amish dairy farm with approximately 50 milk cows, 15 heifers, and 8 horses. The farm was in need of various upgrades including addressing barnyard runoff, installing streambank fencing, off-stream waterers, and a riparian forest buffer, addressing silage leachate, and stabilizing an access road.



## RESOURCE CONCERNS

- Runoff from Barnyard (not collected and in close vicinity to a stream)
- Silage Leachate (not collected and close vicinity of a stream)
- Lack of Forested Riparian Buffer (elevated water temperatures in stream due to lack of shade)
- Unstable Access Road (erosion on access road due to consisting on an existing soil surface)

# PROJECT: DAIRY

AFTER

COMPLETION DATE: MAY 2021



## SERVICES PROVIDED

- Comprehensive Nutrient Management Plan Development
- Site Survey
- Design/Engineering
- Project Bidding
- Construction Checks & Certification
- Project Management



## BEST PRACTICES INSTALLED

- **Riparian Forest Buffer and Streambank Fencing** - Absorb nutrient and sediment runoff, shade stream and cool water temperatures, stabilize streambanks, provides wildlife habitat.
- **Off Stream Watering Facilities** - Keep livestock out of stream for watering purposes.
- **Stabilized Access Road** - Reduce erosion on high traffic areas.
- **Silage Leachate Collection** - Reduce nutrient laden runoff into surface waters.
- **Roofed Barnyard** - Eliminate precipitation from coming in contact with manure and generating nutrient runoff.

CONSTRUCTION COST: \$115,000