

BMP Implementation in Priority Agricultural Areas in Berks County

GROWING GREENER #70346

Agricultural Best Management Practices (BMP's) were implemented on four animal and cropland operations in the Tulpehocken and Perkiomen Watersheds, Berks County, Pennsylvania. The Agricultural BMPs reduced sediment and nutrient pollution to surface waters utilized by community drinking water providers.

Project Results:

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| <ul style="list-style-type: none"> • 13 Conservation Plans • 400 ft. of Diversions • 1400 ft. of cropland Terraces • 750 ft. of Grassed Waterway • 40 ft. of Rock-Lined Outlet • 0.4 ac. of air quality Windbreak | <ul style="list-style-type: none"> • 2 Nutrient Management Plans • 12' x 94' Liquid Manure Storage • 36' x 48' Roofed Stacking Pad • 10' x 84' Liquid Manure Storage • 32" x 48" Roofed Stacking Pad • 600 sq. ft. of Heavy Use Area | <ul style="list-style-type: none"> • 150 ft. of curbing and push off ramp • 2 reception hoppers • 220 ft. of waste transfer line • 175 ft. of gutter & downspout • 650 ft. underground outlet • 25 ft. of Access Road |
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Project Pollutant Load Reductions

Nitrogen (N) lbs./yr.

Phosphorus (P) lbs./yr.

Sediment (S) T/yr.

6,191

900

73



Before – Infield slurry manure stacking



After – Roofed manure stacking pad (not picture liquid manure storage)

Project Partners:

Berks County Conservation District, Berks Nature, USDA Natural Resource Conservation Service, Pennsylvania Association of Conservation Districts, Schuylkill Action Network, National Fish and Wildlife Foundation

Project Cost:

\$292,729.00 Growing Greener Grant, over \$75,000 in-kind match, and over \$236,000 leveraged for future Ag BMP implementation

Lesson Learned:

Inter-agency and cooperative partnerships are critical to allocate and leverage funds to implement BMPs in Agricultural priority areas. Collaborative efforts expand public funding and ultimately reduce sediment and nutrient pollution to surface water utilized for drinking water.

