

PENNSYLVANIA NONPOINT SOURCE PROGRAM
FY2015 PROJECT SUMMARY
(Revised 11/16/2015)

DEP Staff

Project Title: Nonpoint Source Program-Bureau of Watershed Management and Regional Offices

Project Number: 1501

Budget: \$284,043 (not including project 1501A)

Funding Category: Program (Base)

Lead Agency: DEP Bureau of Conservation and Restoration

Location: DEP Central Office/DEP Regional Offices

Point of Contact: Doug Goodlander, DEP

This project will strengthen the links between Central Office Program staff and the Regional Offices and enhance the roles of the DEP Regional and Mining Offices in the Nonpoint Source Program. The project will fund a total of 2.33 work years of effort for NPS watershed restoration activities overseen and directed by regional and mining office staff and effort provided within the Central Office to support the updating, implementation and administration of the Section 319 NPS Management Program Plan. The positions within the Central Office providing effort towards this workplan include: a conservation program manager, three water program specialists, one water pollution biologist, a conservation program specialist, and an administrative assistant. This project will require \$53,085 in indirect costs.

The below project numbered 1501A provides additional funding for EPA Region III personnel assigned to support the states' WPT obligations. Funding for project 1501A comes from EPA in-kind resources.

Project Title: Grants and Watershed Plan Tracking

Project Number: 1501A

Budget: \$10,000 (EPA in-kind funds)

Funding Category: Program (Base)

Lead Agency: DEP Bureau of Conservation and Restoration

Location: DEP Central Office/DEP Regional Offices

Point of Contact: Doug Goodlander, DEP

A part time Contractor/Senior Environmental Employee (SEE) will work closely with State staff members to enter information into the Watershed Plan Tracker (WPT) and Grants Reporting and Tracking System (GRTS). Work will focus on improving the information in these databases, the structure of the information, and the reports provided through these tracking systems. This work will allow the program to have a more complete, accurate and coordinated program tool to track program expectations and results.

DEP Implemented Projects

Project Title: Statewide Lake Water Quality Assessments

Project Number: 1502

Budget: 26,500 (not including project number 1502A)

Funding Category: Program (Base)

Lead Agency: DEP Bureau of Conservation and Restoration

Location: Statewide

Point of Contact: Barbara Lathrop, DEP

DEP will coordinate the assessment of 5 Pennsylvania's Significant and Important Lakes. The lakes will be sampled to determine trophic status, nutrients, macrophyte coverage and fisheries (if no previous data exists). Sampling will be done by DEP or DCNR or the PFBC using DEP's standard lake protocol. The water quality work addressed by this work plan includes the collection of samples and submission to DEP's laboratory for analysis.

Project Title: Lake Assessments Bradford County Conservation District

Project Number: 1502A

Budget: \$3,500

Funding Category: Program (Base)

Lead Agency: Bradford County Conservation District

Location: DEP Central Office/DEP Regional Offices

Point of Contact: Barb Lathrop, DEP

Continuing the lake assessment of Stephen Foster Lake, providing for on-going lake and watershed monitoring in the TMDL watershed to capture improvements due to significant BMP implementation to date. Wetland Pocket inlet and outlet monitoring will be included to determine P removal amounts from the lake proper. Other lake monitoring involves obtaining nutrient and pre-Marcellus shale drilling water quality data on up to 3 local lakes.

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Project Title: Monitoring Projects for Improvement in WIP Watersheds

Project Number: 1503

Budget: \$21,500

Funding Category: Project (Incremental)

Lead Agency: Bureau of Conservation and Restoration

Location: Statewide

Point of Contact: Cheryl Snyder, DEP

DEP staff will monitor stream restoration and CREP-funded stream bank fencing/cattle crossing/riparian buffer planting projects as well as AMD impacted streams where 319-funded treatment systems are located in select watershed implementation plan (WIP) watersheds. Staff will also continue to work with local watershed and monitoring groups to monitor AMD treatment systems and receiving streams, stream restoration projects and CREP projects in order to gauge the effectiveness of these projects, establish water quality trends, and identify improving water bodies in WIP watersheds. This project will utilize both field and laboratory testing and will follow the DEP Laboratory's EPA-approved QA/QC procedures. As stream sections within these projects show improvement, they will be referred to DEP's Water Quality Standards staff for reassessment and possible delisting. Staff will also assist conservation districts in monitoring the effectiveness of farm-related BMPs being implemented as part of the NRCS/EPA collective National Water Quality Initiative in two WIP watersheds.

Project Title: Monitoring Projects for Improvement

Project Number: 1504

Budget: \$15,500

Funding Category: Program (Base)

Lead Agency: Bureau of Conservation and Restoration

Location: Statewide

Point of Contact: Cheryl Snyder, DEP

DEP staff will monitor AMD treatment systems and receiving streams, stream restoration projects, targeted agricultural compliance watersheds, and CREP project areas in order to gauge the effectiveness of these projects/programs, establish water quality trends, and identify improving water bodies. DEP staff will work with local watershed and monitoring groups where possible to support this effort. This project will utilize both field and laboratory testing and will follow the DEP Laboratory's EPA-approved QA/QC procedures. As stream sections within these projects show improvement, they will be referred to DEP's Water Quality Standards staff for reassessment and possible delisting.

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Project Title: TMDL Planning

Project Number: 1505

Budget: \$25,000

Funding Category: Program (Base)

Lead Agency: DEP Bureau of Point and Nonpoint Source Regulation

Location: Statewide

Point of Contact: Bill Brown, DEP

Included under this project is the collection and analysis of periphyton community and associated data to support nutrient criteria development. This project also includes the modification and development of the Mapshed model used to develop TMDLs, and training of staff on the use the model.

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Abandoned Mine Drainage Projects

Project Title: Sandy Run SAO-D11 AMD Remediation (construction)

Project Number: 1506

Budget: \$529,563

Lead Agency: Broad Top Township

Location: Sandy Run, Broad Top Township

Point of Contact: Donna Carnahan, DEP; Malcolm Crittenden, DEP; David Thomas, Broad Top Township

This project is a proposal to construct system on the SAO-D11 discharge at this time in Sandy Run. This AMD discharge along the main stem of Sandy Run is a top priority of the updated Watershed Implementation Plan, completed in 2007. This project will construct a treatment system consisting of an anoxic limestone drain and settling pond. Future construction of this system will remove 17 lbs./day of acidity and 9 lbs./day of iron from Sandy Run.

Project Title: Lorberry Treatment System Rehabilitation (construction)

Project Number: 1507

Budget: \$460,428

Lead Agency: Schuylkill County Conservation District

Location: Swatara Creek, Schuylkill County

Point of Contact: Donna Carnahan, DEP; Dan Koury, DEP-Pottsville DMO; Wayne Lehman, Schuylkill County Conservation District

The Rowe Tunnel is listed as the largest source of impairment to Lorberry Creek and the second largest source of iron loading to Swatara Creek. Two limestone diversion wells and some wetlands treat a portion of the discharge. The system worked well in the beginning and water quality improved to allow fish to live in Lorberry Creek. Through the years it has been discovered that the design of this system makes it hard to maintain operational success. The treatment has slowly been decreasing to the point fish are no longer able to survive in Lorberry Creek. This project will rehabilitate the system and expand the amount of wetlands available for treatment to allow for effective operation and maintenance in the future.

Agriculture Projects

Project Title: West Branch Antietam Creek Stream Restoration (design, permit and construction)

Project Number: 1508

Budget: \$43,989

Funding Category: Project (Incremental)

Lead Agency: Franklin County Conservation District

Location: West Branch Antietam Creek, Franklin County

Point of Contact: C. Rohr, DEP; Tammy Piper, Franklin County C.D.

This project will result in 1/2 mile of riparian forested buffer, bank stabilization and habitat improvements on West Branch Antietam Creek on a publicly accessible church property in Waynesboro, PA. Stream banks through this property are severely eroded, and upstream landuse is a patchwork of farms, forest, and isolated small businesses along routes 16 and 316. This project builds on an earlier nearby restoration project on West Branch Antietam Creek upstream of the project site. This property is identified within the existing Section 319 West Branch Antietam Creek Watershed Implementation Plan (WIP). Restoration activities will include a riparian forest buffer on both sides of the creek and approximately 42 in-stream structures including bank cover cribbing, random boulder placement, rootwads, log vane deflectors, rock vane deflectors, stone deflectors, as well as bank regrading and removal of an existing stream crossing assembled from rusting culverts with NRCS-approved BMPs. In addition, a spring located on the property now encased in a plastic pipe will be "daylighted." Both survey, design, permitting work using NRCS technical assistance, and BMP implementation work with multiple partners will be completed.

Project Title: Mill Creek Stream Restoration - Phase VI (design and permit)

Project Number: 1509

Budget: \$10,000

Funding Category: Project (Incremental)

Lead Agency: Lancaster County Conservation District

Location: Mill Creek watershed, Lancaster County

Point of Contact: C. Rohr, DEP; Matt Kofroth, Lancaster County C.D.

The Lancaster County Conservation District in partnership with the U.S. Fish & Wildlife Service and the Millcreek Preservation Association are continuing to restore in-stream, stream bank and riparian conditions in the Mill Creek watershed, both main stem and tributaries. Phase I of this project consists of the survey, design and permitting work needed to complete approximately 4,500 linear feet of stream bank stabilization and riparian buffer implementation on impaired sections of the Mill Creek. The stream project will involve several property owners and improve

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impaired sections of the Mill Creek Watershed. Upon permit approval, Phase II will include traditional stream bank stabilization measures being applied to these sections of stream along with stream bank re-grading. Finally, stream bank fencing will be installed or moved within the project to an average setback goal of approximately 35 feet, and a riparian buffer will be established to complete the water quality improvements. Adjoining landowners are more interested in continuing this work and the Amish community is actively participating.

Project Title: Continued Agricultural BMP Implementation in the Upper Kishacoquillas Creek Watershed (construction)

Project Number: 1510

Budget: \$394,216

Funding Category: Project (Incremental)

Lead Agency: Mifflin County Conservation District

Location: Upper Kishacoquillas Creek Watershed, Mifflin County

Point of Contact: C. Rohr, DEP; Justin Kozak, Mifflin County C.D.

The Upper Kishacoquillas Creek (UKC) has an approved S. 319 WIP (2005), is impaired due to agricultural nutrients and siltation, and is a high priority watershed for restoration. The Mifflin County Conservation District has been working with farmers to implement BMPs to improve water quality both surface and groundwater. Agricultural BMPs to be implemented will address animal waste management, riparian fencing and buffer, surface water runoff management, ACA areas, stream crossings, and nutrient management. Three or more farms will receive assistance in this project, all of which are priority WIP sites. The project continues successful ongoing efforts since the Conservation District has worked with many adjacent and nearby farms along the UKC main stem and tributary streams. With the close proximity of complete and proposed farms the installed BMPs will work in concert to help achieve pollutant reduction goals identified in both the WIP and draft TMDL for the UKC watershed. The partnership in the UKC watershed is strong with continued increasing interest from the agricultural community.

Lake Restoration Projects

Project Title: Lake Luxembourg Wetland Development (design and permit)

Project Number: 1511

Budget: \$153,145

Funding Category: Project (Incremental)

Lead Agency: Bucks County Conservation District (BCCD)

Location: Lake Luxembourg, Core Creek Watershed, Bucks County

Point of Contact: Barb Lathrop, DEP

The goal of the project is to complete all of the field work (including wetland delineation and topographic survey), engineering design (including plans and engineering calculations), and obtain all necessary permits and authorizations from the appropriate local, County, State and Federal agencies for the restoration of the Conservation Pool at Lake Luxembourg, Bucks County. The proposed project is the continuation of a long-term effort to improve the water quality of Core Creek / Lake Luxembourg through compliance of its TMDL. This process started in the early 1990's with the original Phase I, Clean Lakes study and is on-going with the completion of a 319(h) implementation grant the end of this year (2014) that focuses on detention basin retrofits and the establishment of additional lakeshore riparian / vegetation zones. Given the size and complexity of this new project, this grant is focusing solely on the survey, design, engineering and permitting phase. Once these issues have been addressed, the BCCD will seek funds to move the project into the implementation phase, which involves substantial modifications to the lake's existing Conservation Pool so it functions as a large, regional stormwater BMP.

Project Title: Francis Slocum Lake Restoration (evaluation, construction)

Project Number: 1512

Budget: \$269,964

Funding Category: Project (Incremental)

Lead Agency: Luzerne County Conservation District

Location: Francis Slocum Lake, Abrahams Creek Watershed, Luzerne County

Point of Contact: Barb Lathrop, DEP

The goal of this project is to implement a variety of initiatives to address and reduce the primary pollutant of concern for Frances Slocum Lake, which is total phosphorus (TP). The projects identified in this work plan focus on reducing the amount of phosphorus entering the lake from the watershed, as well as the available phosphorus in the water column and sediments. The approved WIP provided guidance in the selection in at least some of the projects that have been identified for implementation. Project initiatives include: lake water

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quality and sediment assessment, evaluation of sediment removal and whole lake aeration, addressing in-lake phosphorus with phosphorus stripping and internal load inactivation, installation of 2 floating wetland islands with solar based aeration systems, installation of a large rain garden, and public outreach relating to the efforts implemented in the lake.

Urban/Stream Restoration Projects

Project Title: South Branch Codorus Creek – Ness to Centerville Creek (design and permitting)

Project Number: 1513

Budget: \$ 79,881

Funding Category: Project (Incremental)

Lead Agency: Izaak Walton League of America, York Chapter 67

Location: Codorus Creek Watershed, York County

Point of Contact: Scott Heidel, DEP

Codorus Creek is an approved Section 319 Watershed Implementation Planning Watershed. Agricultural runoff and streambank instability affects this watershed. The Izaak Walton League of America, York, PA has submitted a proposal to complete design and permitting work in order to address the streambank instability within the impaired stream. This project will allow the partners to complete the final design and permit, and to apply for future construction funds. This project will design and permit 1,100 feet of stream restoration and stabilization on South Branch Codorus Creek and 700 feet on Centerville Creek (a tributary to South Branch Codorus Creek), while providing a major reduction of bank erosion and sediment inputs to enhanced aquatic habitat for macroinvertebrates and finfish and preserving and creating a riparian buffer along both banks of South Branch Codorus Creek and Centerville Creek. This project is part of an ongoing watershed restoration program using the Codorus Creek WIP. This project is a continuation of almost 20,000 feet of restoration on the South Branch. The restoration/stabilization will use a multiple BMP approach utilizing natural channel design.

Project Title: Conowingo Creek Restoration – Lloyd and Stoltzfus Sites (construction)

Project Number: 1514

Budget: \$ 376,896

Funding Category: Project (Incremental)

Lead Agency: Donegal Chapter of Trout Unlimited

Location: Conowingo Creek Watershed, Lancaster County

Point of Contact: Scott Heidel, DEP

The completed TMDL and WIP clearly point to sediment, nutrient, organic enrichment and low dissolved oxygen impairments in the Conowingo Creek Watershed. The 2 high priority WIP project sites to be implemented through this work plan will address these impairments by reducing direct sediment loading to the stream and reducing nutrient inputs through better use of the pastureland, cropland, and minimizing livestock access to the stream at these two (2) farms. The design and permitting have been completed on these two farms through a prior 319 program grant. Approximately 3,000 linear feet of stream channel and riparian corridor will be addressed through this project.

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Project Title: Etna Borough Green Streets Phase 2 (construction)

Project Number: 1515

Budget: \$ 554,936

Funding Category: Project (Incremental)

Lead Agency: Etna Borough

Location: Pine Creek Watershed, Allegheny County

Point of Contact: Aaron Ward, DEP

Etna Borough proposes to continue work involving the implementation of a green master plan. This work will implement green infrastructure (GI) within the Borough Limits for the purpose of catching and managing through infiltration and evapotranspiration (ET), stormwater which flows through the Borough. With this phase of the Green Streets project, Etna proposes to construct a “rain park” as well as two underground detention/infiltration areas, porous pavers, downspout disconnections, and vegetated planting areas which will reduce impervious area within the Borough and remove approximately 500,000 gallons of stormwater a year from Pine Creek.

Project Title: Southmoreland High School Stormwater Improvements – Parking Lot Retrofit
(construction)

Project Number: 1516

Budget: \$ 166,000

Funding Category: Project (Incremental)

Lead Agency: Jacobs Creek Watershed Association

Location: Jacobs Creek Watershed, Westmoreland County

Point of Contact: Aaron Ward, DEP

The goal of this project (along with its companion project 1426) is to reduce stormwater and associated pollutants from entering Stauffer Run which is a tributary to Jacobs Creek, consistent with the direction provided in the EPA approved WIP. Project 1321 funded the development of the BMP designs and required permits to install the stormwater BMPs outlined in this project. The BMPs included in this project will reduce an estimated 47,700 cubic feet of stormwater flow into Jacobs Creek annually. This project will focus on the parking lot retrofits element of this overall effort and project 1426 will address the remaining needed stormwater BMPs designed and permitted for implementation on the school campus. The BMPs installed under this project will significantly reduce storm surge which causes stream bank destabilization of Jacobs Creek while reducing waterborne pollutants thus improving water quality.

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Supplemental Projects

Project Title: Statewide NPS Education Office

Project Number: 1517

Budget: \$ 580,700 *[Increased from 541,700 on 10/29/2015]*

Funding Category: Program (Base)

Lead Agency: Pennsylvania Association of Conservation Districts (PACD)

Location: Statewide

Point of Contact: Douglas Goodlander, DEP; Robert Maiden, PACD

This 42 month project allows the PACD state office to continue statewide education efforts on nonpoint source issues. The intent is to generate a coordinated, unified approach through the county conservation districts to provide information to the public about the Pennsylvania Nonpoint Source Program. PACD develops and maintains information packets, brochures, a newsletter, a web site and other educational products as requested by the conservation districts and the DEP. It also provides logistical, funding and program development support for an annual conservation district watershed specialist training meeting and an annual 319 program grantee meeting.

Project Title: ~~Water Resources Education Network (WREN)~~ *[Project Deleted 10/29/2015]*

Project Number: ~~1518~~

Budget: ~~\$ 291,839~~

Funding Category: ~~Program (Base)~~

Lead Agency: ~~League of Women Voters — Citizens Education Fund~~

Location: ~~Statewide~~

Point of Contact: ~~Douglas Goodlander, DEP~~

~~This two year project continues funding of the League of Women Voters of Pennsylvania — Citizen Education Fund to provide money to 10 to 12 community coalitions to undertake public education and alliance building projects focused on mitigating or preventing nonpoint source pollution in degraded watersheds. An important part of these projects is that they must include municipalities and each organization receiving a grant must send a representative to the annual orientation/training workshop. This grant will also provide support for the coalitions to complete their projects, raise public awareness of nonpoint source issues and facilitate action in protecting community water resources. The maximum award for each community based project is \$5,000.~~

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Project Title: Conservation District Mining Program (East)

Project Number: 1519

Budget: \$ 125,000

Lead Agency: Eastern Pennsylvania Coalition for Abandoned Mine Reclamation (EPCAMR)

Location: Anthracite and northern bituminous regions of Pennsylvania

Point of Contact: Donna Carnahan, DEP or Robert Hughes, Eastern Pennsylvania Coalition for Abandoned Mine Reclamation

Eastern Pennsylvania Coalition for Abandoned Mine Reclamation (EPCAMR) was formed to promote and facilitate the reclamation and remediation of land and water adversely affected by past coal mining practices in eastern Pennsylvania. EPCAMR is a complimentary organization to the Western Pennsylvania Coalition. The EPCAMR Regional Coordinator will continue efforts to organize watershed associations, develop an education program, coordinate AMD remediation activities, generate local support for remediation efforts, and assist watershed associations and conservation districts in the development of watershed management plans and in securing funding for AMD remediation. The AMD Watershed Outreach Coordinator, in addition to assisting in these activities, will evaluate and comment on watershed restoration plans, seek funds for long-term maintenance projects and perform biological surveys and water quality testing on streams to document water quality improvements.

Project Title: Conservation District Mining Program (West)

Project Number: 1520

Budget: \$ 125,000

Lead Agency: Western Pennsylvania Coalition for Abandoned Mine Reclamation (WPCAMR)

Location: Western Pennsylvania bituminous coal region

Point of Contact: Donna Carnahan, DEP or Andy McAllister, Regional Coordinator, Western Pennsylvania Coalition for Abandoned Mine Reclamation

The purpose of the WPCAMR is to promote and facilitate the reclamation and remediation of abandoned mine drainage (AMD) in western Pennsylvania. Through this project the Regional Coordinator will continue to develop an education program, coordinate AMD remediation activities, generate local support for remediation efforts, and assist watershed associations and conservation districts in the development of watershed management plans and in securing funding for AMD remediation. The Watershed Coordinator will continue to assist with the development and implementation of funded projects and the documentation of water quality improvements.

Project Title: NWQI Water Quality Assessments in the Maiden and Sacony Creek Watersheds

Project Number: 1521

Budget: \$ 21,500

Lead Agency: Berks County Conservation District

Location: Multiple

Point of Contact: Doug Goodlander, DEP

This proposal provides the Berks County Conservation District with funding, training, and assistance to complete an additional 9 month period of water quality study of the Maiden Creek and Sacony Creek watersheds in Berks County. This study will allow the county and state programs to determine the current and continuing conditions of the watersheds, to better identify the various types and concentrations of pollutants present in the surface water, and to identify water quality improvements attributed to BMPs installed in the watersheds. This project is being implemented consistent with the state's watershed monitoring obligations under the NRCS/EPA National Water Quality Initiative (NWQI). This project will conduct chemical, biological (macroinvertebrates), and physical habitat assessments at specific stream sites within the Maiden Creek and Sacony Creek watersheds, with an emphasis on designated impaired reaches. These assessments will be completed consistent with PA DEP's water monitoring protocols and with the oversight of the PA DEP staff.

Project Title: NWQI Water Quality Assessments in the Upper Kishacoquillas Creek and Hungry Run Watersheds

Project Number: 1522

Budget: \$ 16,400

Lead Agency: Mifflin County Conservation District

Location: Multiple

Point of Contact: Doug Goodlander, DEP

This proposal provides the Mifflin County Conservation District with funding, training, and assistance to complete an additional 9 month period of water quality study of the Upper Kishacoquillas Creek and Hungry Run Watersheds in Mifflin County. This study will allow the county and state programs to determine the current and continuing conditions of the watersheds, to better identify the various types and concentrations of pollutants present in the surface water, and to identify water quality improvements attributed to BMPs installed in the watersheds. This project is being implemented consistent with the state's watershed monitoring obligations under the NRCS/EPA National Water Quality Initiative (NWQI). This project will conduct chemical, biological (macroinvertebrates), and physical habitat assessments at specific stream sites along the upper reach of Kishacoquillas Creek and its

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tributaries and the entire Hungry Run Watershed, with an emphasis on designated impaired reaches. These assessments will be completed consistent with PA DEP's water monitoring protocols and with the oversight of the PA DEP staff.

Project Title: Urban Stormwater BMP Monitoring Site

Project Number: 1523

Budget: \$ 72,500

Lead Agency: Villanova University

Location: Mill Creek, Montgomery County

Point of Contact: Douglas Goodlander, DEP or Dr. Robert Traver, Villanova University

The Villanova University National Monitoring Program project is designed to measure the effectiveness of several urban storm water best management practices. The project became a part of the EPA's National Monitoring Program and was initially funded in PA's FFY2004 Section 319 grant. This project will continue for an additional 9 month period, the collection of inflow and outflow data and monitor nonpoint source pollutant loadings for five urban storm water best management practices located on the Villanova University campus. A Pervious Concrete/Porous Asphalt demonstration site, Bio-infiltration Traffic Island, Infiltration Trench, Stormwater Wetland and Green Roof will be evaluated. Differences in flow volume and peak flow volume for wet weather flows will be measured. Mean pollutant concentrations for storm events will be developed. Pollutant concentrations and flow averages for base flow conditions will be developed. All data collected will be included in the STORET database and the NPS National Monitoring Program database.

Project Title: Urban Runoff Retrofit Site Monitoring Project

Project Number: 1524

Budget: \$ 149,796 *[increased from \$115,916 on 11/17/2015]*

Lead Agency: Villanova University

Location: Mill Creek, Montgomery County

Point of Contact: Douglas Goodlander, DEP or Dr. Robert Traver, Villanova University

The Villanova University is preparing to implement a significant expansion to their campus on the east side of Route 30. This redevelopment activity will include the removal of a significant paved parking area and the establishment of housing and other campus buildings as well as common open space. The University is looking to implement significant stormwater capture, reuse and infiltration BMPs in the redevelopment of this old parking area. The purpose of this project is to establish a considerable stormwater monitoring network prior to and during the construction phase of this new development to capture important and regionally useful data relating to the effects of urban stormwater BMPs in an urban setting. Establishing this

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monitoring network now, prior to and during construction will allow for a more cost effective and comprehensive monitoring network.

Grant Match

Project Title: Conservation District Fund Allocation Program (Match)

Project Number: N/A

Budget: \$878,611

Lead Agency: Bureau of Conservation and Restoration

Location: Statewide

Point of Contact: Douglas Goodlander, DEP

This program is administered by the State Conservation Commission and is funded from the State General Fund. This money is used to support the continuing activities of conservation districts by partially funding a district manager and one or two district technicians in each county. These staff are key in the Commonwealth's efforts to monitor and implement restoration activities on impaired stream reaches throughout Pennsylvania.

Project Title: Growing Greener Watershed Specialists (Match)

Project Number: N/A

Budget: \$ 2,178,000

Lead Agency: Bureau of Conservation and Restoration

Location: Statewide

Point of Contact: Douglas Goodlander, DEP

This program provides grants to conservation districts to hire watershed specialists to help foster and support local watershed groups, implement educational activities and carry out watershed restoration and protection projects. A total of 66 watershed specialists have been hired. Included in their responsibilities is to provide expert advice to farmers and landowners for conservation practices and work with DEP on watershed restoration projects and proposals funded through the NPS 319 and Growing Greener programs.