



Commonwealth of Pennsylvania  
Department of Environmental Protection  
Bureau of Safe Drinking Water  
Division of Training, Technical and Financial Services

**State FY 2014-2015 Intended Use Plan  
Drinking Water State Revolving Fund  
Workplan for the Use of Set-Aside Funding  
Under Sections 1452 (G) and 1452 (K)  
of the Federal Safe Drinking Water Act**

Workplan Submitted to EPA: March 31, 2014

Revised: xxxx xx, 2014

Approved by EPA: xxxx xx, 2014

## **INTRODUCTION**

This document serves as a workplan that identifies Pennsylvania's intended uses of Drinking Water State Revolving Fund (DWSRF) program support set-aside funds, under Sections 1452(g) and 1452(k) of the 1996 Amendments to the Federal Safe Drinking Water Act (SDWA). This is a multi-year, multi-grant workplan that addresses spending of federal DWSRF set-aside funds. The elements of this workplan are expected to continue into the foreseeable future, regardless of the fiscal year in which set-aside funds are used. As these elements are carried out, available set-aside funds will be drawn down through the EPA automated clearing house process. The Department of Environmental Protection (DEP) intends to expend 100% of the set-aside funds within two years of award unless EPA approves a third year on an exception-only basis. As Pennsylvania applies for future set-aside funds, certain aspects of this workplan will be revised to reflect completion of previously funded activities, or new/revised activities to meet requirements. If there is a need to significantly revise any elements, these revisions will be subject to public review and comment, followed by EPA review, prior to implementing any changes. Such changes will be handled as a formal amendment to the capitalization grant agreement.

By providing updates in the "Status/Comments/Obstacles" column, this document also serves as a progress report that identifies accomplishments over the past six-months and projected activity levels for the next 12 months. Timeframes indicated for hiring staff and carrying out other elements of this work plan are generally expressed as seasons of the year, to be interpreted as follows: Winter = January-March; Spring = April-June; Summer = July-September; and Fall = October-December.

An addendum to the workplan contains the following additional details:

- A description of the relationship to the Public Water System Supervision program grant;
- A summary of changes to the workplan from the previous fiscal year;
- The level of detail provided to remain consistent with EPA's guidances;
- Comments on the evaluation of outputs and outcomes;
- A description of the major areas addressed;
- A funding and workplan summary that further describes categorical spending of set-aside funds;
- An overall spending plan summary that aggregates the individual categorical set-aside spending summaries;
- A summary on state use of prior years' unliquidated obligations; and
- A list of completed and cancelled contracts and grants.

Appendices for each set-aside category are provided in a separate Excel spreadsheet file. Appendix A provides an overall spending plan summary and Appendix B provides a summary of equipment purchases and projected travel expenses. Additional details on activity outputs, deliverables, and timeframes are contained in the contracts and grant agreements with sub-recipients of set-aside funds.

Other elements of Pennsylvania's Safe Drinking Water Program are included in DEP's Public Water System Supervision grant workplan, including but not limited to surveillance, compliance and enforcement, data management, and new regulation development.

**TECHNICAL ASSISTANCE TO SMALL SYSTEMS—1452(g)(2) 2%**

These set-aside funds will be used to enhance ongoing program efforts, primarily related to capability enhancement. The funds need not be matched with state resources.

<p><b>PA DEP DWSRF SET-ASIDES</b>  <b>TECHNICAL ASSISTANCE TO SMALL SYSTEMS—1452(g)(2) 2%</b>                  These set-aside funds will be used to enhance ongoing program efforts, primarily related to capability enhancement. These funds need not be matched with state resources.</p>			
<p><b>Work Plan Component, Program, and Mechanism:</b>                  Capability Enhancement; Capability Enhancement Program; Staffing</p>			
<p><b>Grant or Contract Recipient:</b>                  Not applicable</p>		<p><b>EPA Contact(s):</b>                  Kelly Moran / Bill Arguto</p>	<p><b>State Contact(s):</b>                  Dan Mikesic</p>
<p><b>Program Goal:</b>                  Program development, administration, and assistance and outreach to small water systems. DEP will conduct the Technical, Managerial, and Financial portion of the on-site assessment.</p>			
Environmental Outcomes	Staffing, Subsidy or Contract Information	Outputs for State FY 2015 (July 1, 2014 thru June 30, 2015)	Status/Obstacles/Comments
<p>The elimination of public water systems (PWS) that are not technically, managerially, or financially capable to operate in compliance with all drinking water regulations through the consolidation with another system.</p> <p>The elimination of PWSs that are not technically, managerially, or financially capable to operate in compliance with existing and new drinking water regulations through the design and construction of needed PWS upgrades and the improvement of system staff capabilities.</p> <p>A decrease in the number of high priority PWSs as identified by the Capability Enhancement Program priority process.</p>	<p>Three FTEs located in the DEP Offices as follows:</p> <ul style="list-style-type: none"> <li>• Capability Enhancement Facilitator (CEF)—Northeast Regional Office</li> <li>• CEF—Cambria District Office.</li> <li>• CEF—Southcentral Regional Office.</li> </ul> <p>Time code: 38337</p> <p>Staff hours budgeted for this fiscal year: 4,890</p>	<p><b>OUTPUTS:</b></p> <p>Every 3 years, the Governor’s Report on the Capability Enhancement Program is due by September 30. The next report is due on September 30, 2014.</p> <p>The annual Capability Enhancement Report is due by September 15 of each year.</p> <p>Prepare annual priority ranking based on system capability. The Priority Ranking System is used to identify public water systems having capability weakness, measure individual system improvements, and gauge the overall success of our technical, managerial, and financial assistance efforts.</p> <p>Select priority water systems from either the Priority Ranking System or referrals from field offices to provide TMF assistance. This includes:</p> <ul style="list-style-type: none"> <li>• Reviewing TMF questionnaire</li> <li>• Conducting onsite assessment</li> <li>• Preparing Action Item Plan</li> <li>• Preparing written reports as necessary</li> <li>• Identifying assistance resources</li> <li>• Facilitating CEF assistance, PES assistance, or OAPP assistance if the system is willing to work toward addressing capability weaknesses.</li> </ul>	<p><b>Staff hours charged fiscal year to date:</b></p> <p><b>Noteworthy activities for the past six months:</b></p> <p><b>Projected activities for the next 12 months:</b></p> <p><b>Obstacles</b></p>

**PA DEP DWSRF SET-ASIDES  
TECHNICAL ASSISTANCE TO SMALL SYSTEMS—1452(g)(2) 2%**  
These set-aside funds will be used to enhance ongoing program efforts, primarily related to capability enhancement. These funds need not be matched with state resources.

**Work Plan Component, Program, and Mechanism:**  
Capability Enhancement; Outreach Assistance Provider Program (OAPP); Staffing

<b>Grant or Contract Recipient:</b> Not applicable	<b>EPA Contact(s):</b> Kelly Moran / Bill Arguto	<b>State Contact(s):</b> Jerry Yeasted
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**Program Goal:**  
To provide oversight and program administration for the part-time wage payroll instructors (see below) who provide on-site technical, managerial and financial assistance to water system owners, administrators, and operators.

<b>Environmental Outcomes</b>	<b>Staffing, Subsidy or Contract Information</b>	<b>Outputs for State FY 2015 (July 1, 2014 thru June 30, 2015)</b>	<b>Status/Obstacles/Comments</b>
<p>The elimination of public water systems (PWS) that are not technically, managerially, or financially capable to operate in compliance with all drinking water regulations through the consolidation with another system.</p> <p>The elimination of PWSs that are not technically, managerially, or financially capable to operate in compliance with existing and new drinking water regulations through the design and construction of needed PWS upgrades and the improvement of system staff capabilities.</p> <p>A decrease in the number of high priority PWSs as identified by the Capability Enhancement Program priority process.</p>	<p>One FTE located in the Pottsville District Office.</p> <p>Time code: 38331</p> <p>Staff hours budgeted for this fiscal year: 1,630</p>	<p><b>OUTPUTS:</b></p> <p>Approximately 20 systems per year participate in the program.</p> <p>Supervision of 20 wage payroll instructors. Complement is increased and decreased as needed to meet demand.</p> <p>Implement the Priority Ranking System. See the section of the workplan titled “Capability Enhancement Program; Staffing.”</p>	<p><b>Staff hours charged fiscal year to date:</b></p> <p><b>Noteworthy activities for the past six months:</b></p> <p><b>Projected activities for the next 12 months:</b></p> <p><b>Obstacles</b></p>

**PA DEP DWSRF SET-ASIDES**  
**TECHNICAL ASSISTANCE TO SMALL SYSTEMS—1452(g)(2) 2%**  
 These set-aside funds will be used to enhance ongoing program efforts, primarily related to capability enhancement. These funds need not be matched with state resources.

**Work Plan Component, Program, and Mechanism:**  
**Capability Enhancement; Outreach Assistance Provider Program (OAPP); Subsidies**

<b>Grant or Contract Recipient:</b> Not applicable	<b>EPA Contact(s):</b> Kelly Moran / Bill Arguto	<b>State Contact(s):</b> Jerry Yeasted
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**Program Goal:**  
 This program utilizes part-time wage payroll instructors who are certified operators to provide on-site technical, managerial and financial assistance to water system owners and operators. The program primarily responds to system needs identified by the Capability Enhancement Program’s Professional Engineering Services Program, Priority Ranking System and an onsite Technical, Managerial and Financial (TMF) assessment. The program also responds to system needs identified by DEP regional staff, local government associations, or the water system. On-site and global assistance is provided through a combination of water videos, classroom and web-based training, and one-on-one assistance to address specific system operational problems. In addition, the financial and managerial assistance includes the development of appropriate rate structures, business plans and long-term budgets, and assistance to implement asset management programs. A wage payroll instructor will be assigned to provide onsite assistance at each outreach site.

<b>Environmental Outcomes</b>	<b>Staffing, Subsidy or Contract Information</b>	<b>Outputs for State FY 2015 (July 1, 2014 thru June 30, 2015)</b>	<b>Status/Obstacles/Comments</b>
<p>The elimination of public water systems (PWS) that are not technically, managerially, or financially capable to operate in compliance with all drinking water regulations through the consolidation with another system.</p> <p>The elimination of PWSs that are not technically, managerially, or financially capable to operate in compliance with existing and new drinking water regulations through the design and construction of needed PWS upgrades and the improvement of system staff capabilities.</p> <p>A decrease in the number of high priority PWSs as identified by the Capability Enhancement Program priority process.</p>	<p>Part-time Wage payroll Certified Instructors</p> <p>Time code: 38331</p> <p>Estimated expenditures under this subsidy during the fiscal year: \$37,000</p>	<p><b>OUTPUTS:</b></p> <p>Approximately 20 systems per year participate in the program. A list of systems will be provided with the semi-annual status reports upon request.</p> <p>Implement the Priority Ranking System. See the section of the workplan titled “Capability Enhancement Program; Staffing.”</p>	<p><b>Actual expenditures fiscal year to date for wage-payroll staff charges:</b></p> <p><b>Noteworthy activities for the past six months:</b></p> <p><b>Projected activities for the next 12 months:</b></p> <p><b>Obstacles:</b></p>

**PA DEP DWSRF SET-ASIDES  
TECHNICAL ASSISTANCE TO SMALL SYSTEMS—1452(g)(2) 2%**  
These set-aside funds will be used to enhance ongoing program efforts, primarily related to capability enhancement. These funds need not be matched with state resources.

**Work Plan Component, Program, and Mechanism:**  
Capability Enhancement; Small Systems Managerial and Financial Capability Enhancement Program (Professional Engineering Services); Contracts

<b>Grant or Contract Recipient:</b> Nittany Engineering & Associates, LLC	<b>EPA Contact(s):</b> Kelly Moran / Bill Arguto	<b>State Contact(s):</b> Woody Cole
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**Program Goal:**  
To provide services to public water systems that include but are not limited to: professional engineering design and permitting assistance, professional geologist assistance, feasibility studies, legal assistance, and assistance with preparing grant and funding applications. These services are in support of improving long term sustainability, implementation of capital improvements, regionalization and consolidation concepts where appropriate. This work plan component does not include construction costs related to capital improvements.

<b>Environmental Outcomes</b>	<b>Staffing, Subsidy or Contract Information</b>	<b>Outputs for State FY 2015 (July 1, 2014 thru June 30, 2015)</b>	<b>Status/Obstacles/Comments</b>
<p>The elimination of public water systems (PWS) that are not technically, managerially, or financially capable to operate in compliance with all drinking water regulations through the consolidation with another system.</p> <p>The elimination of PWSs that are not technically, managerially, or financially capable to operate in compliance with existing and new drinking water regulations through the design and construction of needed PWS upgrades and the improvement of system staff capabilities.</p> <p>A decrease in the number of high priority PWSs as identified by the Capability Enhancement Program priority process.</p>	<p>Project begins: July 1, 2011</p> <p>Project ends: June 30, 2016 (annual renewal clause)</p> <p>Estimated expenditures under this contract during the fiscal year: \$250,000</p>	<p><b>OUTPUTS:</b></p> <p>Project summaries for each completed project will be included as part of the semi-annual progress reports.</p> <p>Success stories will be included in the Capability Enhancement Program Annual Report.</p> <p>Implement the Priority Ranking System. See the section of the workplan titled “Capability Enhancement Program; Staffing.”</p>	<p><b>Actual expenditures fiscal year to date:</b></p> <p><b>Noteworthy activities for the past six months:</b></p> <p><b>Projected activities for the next 12 months:</b></p> <p><b>Obstacles:</b></p>



		<p>enable the Outreach Program to introduce an advanced leak detection technology to small and distressed community water systems. The Patroller II unit collects data from the permaloggers wirelessly (permaloggers were purchased last year). The unit allows several dataloggers to be set up simultaneously, and the settings can be saved and loaded, enabling complete district areas to be set up and monitored easily and efficiently. Identification and repair of leaks should reduce non-revenue water amounts significantly. Systems will be encouraged to direct their savings toward severely needed capital improvements. The capability enhancement program believes this assistance may be a foot in the door to offer other technical assistance programs such as the Professional Engineering Services program. The Patroller II will cost \$7,500.</p> <p>Personal Computers</p> <p>Laptops, docking stations, and monitors were purchased for the two Capability Enhancement Facilitators in FY 12/13. The Outreach Assistance Coordinator's laptop, docking station, and monitor were replaced in FY 12/13. This equipment will be replaced every five years. EPA will be provided a listing of the computers bought each year as part of the semi-annual progress report.</p>	
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## ASSISTANCE TO STATE PROGRAMS—1452(g)(2) 10%

These set-aside funds will be used to enhance ongoing program efforts relative to source water assessment and protection, capability enhancement, and operator training and certification. Starting in FY '06, a significant amount of the funds in this category is devoted to enhancing PWSS grant activities. Additionally, protecting water sources from contamination reduces the technical complexity and financial investment in required treatment facilities. In this regard, source water protection helps meet the system capability enhancement objective of achieving technical, managerial, and financial capability at small public water systems. Note that the indicated source water protection activities are considered Categorically Green Infrastructure Projects and will be counted as part of the 20% set-aside for Green Infrastructure.

These funds must be matched dollar-for-dollar by state-provided resources. EPA Headquarters has confirmed that the matching requirement can be based upon the annual expenditure level of 1452(g) funds (i.e., match as you go). Through June 30, 2007, the documentation for this match was achieved through an overmatch to the PWSS program grant. Starting on July 1, 2007, to reduce the overmatch of federal grants, the documentation for this match requirement originates directly from the time sheet records of program staff for the following activities that, while connected to PWSS program activities, are not linked to the PWSS grant:

Work Code	Title	Description
38101	General SDW Program Management	This code is primarily used by Field Operations managers, chiefs, and supervisors who oversee the implementation of the Public Water Supply Supervision (drinking water) program in the regions. Although this work code is not tied to any federal grant, the activities performed under this code qualify as grant-eligible matching state outputs and activities.
38230	Plan Review, Permits & Licensing	This code is used by central and regional office staff that act on new or amended major public water supply construction permits, emergency permits, minor permit amendments, permit transfers, noncommunity water system approvals and operational permit requests. In addition, review of pilot plant studies, site surveys by engineers and hydrogeologists and inspections to confirm as-built conformance with approved design are included in this work code.
38236	Source Evaluation & Permitting	This code is used by central and regional office staff to conduct source water evaluations at community and nontransient noncommunity systems; review monitoring waivers and vulnerability assessments; study raw water quality impacts on surface water treatment plants; conduct studies to investigate source contamination; and Surface Water Identification Protocol (SWIP) activities for new and existing PWS sources.
38336	Facility Assessment	State funded central office and Field Operations staff use this code when supporting the development and implementation of programs to enhance the technical, managerial and financial capability of surface water treatment plants. Examples include the Partnership for Safe Water, Filter Plant Performance Evaluation Program, and the Area Wide Optimization Program. This code is to capture additional staff time devoted to the implementation of these programs and does NOT include the FTEs funded in the 15% set-aside category.
39900	General SDW Program Development	Exclusively used by managers, supervisors, and staff in central office who develop, manage, and administer the statewide Safe Drinking Water Program and the Primacy Agreement between EPA and DEP; develop regulations, technical guidance, and training; and maintain and enhance data systems for reporting to EPA. The activities qualify as "state match" for federal drinking water program grants.

Starting in FY '09, due to the accelerated rate of expenditures captured in the workplan, additional sources of match are necessary. If necessary, to meet this additional match requirement, the state intends to draw on the FY '94 documented overmatch for the PWSS program grant for half the expenditures incurred.

<p><b>PA DEP DWSRF SET-ASIDES ASSISTANCE TO STATE PROGRAMS—1452(g)(2) 10%</b>                  These set-aside funds will be used to enhance ongoing program efforts relative to source water assessment and protection, capability enhancement, and operator training and certification. The funds must be matched dollar-for-dollar by state-provided resources.</p>			
<p><b>Work Plan Component, Program, and Mechanism:</b>                  Source Water Protection (categorically green project); Source Water Assessment and Protection Program; Staffing</p>			
<p><b>Grant or Contract Recipient:</b>                  Not applicable</p>		<p><b>EPA Contact(s):</b>                  Kelly Moran / Bill Arguto</p>	
<p><b>State Contact(s):</b>                  Patrick Bowling</p>			
<p><b>Program Goal:</b>                  Program development, administration, and implementation of DEP’s Source Water Assessment and Protection Program. Efforts to fully implement the program, including the achievement of national goals for source water protection (SWP), are detailed in a strategy document that is annually revised and submitted to EPA. The strategy covers initiatives undertaken by both DEP staff and partnering organizations to promote the concept of SWP and to increase participation by water systems. The strategy recognizes that reaching out to water systems with common concerns or shared water resources can synergize local efforts and provide mutually beneficial results. Watershed-based groups within the state were the first attempt at SWP partnerships and current efforts now also include participation in interstate efforts. More recent concerns over shale gas drilling in the north-central part of the state have prompted the development of county/regional SWP coalitions and this peer-to-peer approach has since spread to other parts of the state. Many of these groups, which frequently include county planners and conservation district staff, reach out to all water systems within a county or geographic region and encourage systems without SWP plans to develop them.</p>			
Environmental Outcomes	Staffing, Subsidy or Contract Information	Outputs for State FY 2015 (July 1, 2014 thru June 30, 2015)	Status/Obstacles/Comments
<p>Percent of community water systems that achieved minimized risk to public health through substantial implementation of a source water protection strategy.</p> <p>Percent of community water systems that have source water protection strategies in place.</p>	<p>Three FTEs located in the DEP Central Office, Bureau of Safe Drinking Water, Harrisburg.</p> <p>Time code: 38332</p> <p>Staff hours budgeted for this fiscal year: 4,890</p>	<p><b>OUTPUTS:</b></p> <p>Management of 35 active projects for source water protection plan development under the Source Water Protection Technical Assistance Program (contracted services).</p> <p>Support the development and implementation of regional and interstate source water protection initiatives.</p> <p>Support development of local source water protection (strategy) program for 6% of community water systems without a plan.</p> <p>80% of the source water protection plans submitted for review and approval each year are finalized.</p> <p>A summary of progress made and finalized work products will be included in the semi-annual progress report.</p>	<p><b>Staff hours charged fiscal year to date:</b></p> <p><b>Noteworthy activities for the past six months:</b></p> <p><b>Projected activities for the next 12 months:</b></p> <p><b>Obstacles:</b></p>

<p><b>PA DEP DWSRF SET-ASIDES ASSISTANCE TO STATE PROGRAMS—1452(g)(2) 10%</b>                  These set-aside funds will be used to enhance ongoing program efforts relative to source water assessment and protection, capability enhancement, and operator training and certification. The funds must be matched dollar-for-dollar by state-provided resources.</p>			
<p><b>Work Plan Component, Program, and Mechanism:</b>                  Source Water Protection (categorically green project); Water Resource Planning Initiative; Staffing</p>			
<p><b>Grant or Contract Recipient:</b>                  Not applicable</p>		<p><b>EPA Contact(s):</b>                  Kelly Moran / Bill Arguto</p>	
<p><b>State Contact(s):</b>                  Susan Weaver</p>			
<p><b>Program Goal:</b>                  The goal of the Water Resource Planning Initiative is to assure that current and future water use, water allocation, and instream needs are consistent with the availability of Pennsylvania’s surface and groundwater resources. This goal relates to source water planning and implementation by considering the water quantity necessary to protect drinking water sources from contamination due to source water diminution. The Division focuses on a multitude of initiatives including Water Allocation Permitting of PWS surface water withdrawals, implementation of the state water plan as required by Act 220 of 2002, as well as the designation of Critical Water Planning Areas. One technical staff member within the Division coordinates activities involving the State Water Plan, including project manager for pilot Critical Area Resource Plans, and implementation of the statewide and regional priorities of the State Water Plan. This position also coordinates activities related to support and development of watershed based source water protection efforts.</p>			
Environmental Outcomes	Staffing, Subsidy or Contract Information	Outputs for State FY 2015 (July 1, 2014 thru June 30, 2015)	Status/Obstacles/Comments
<p>Percent of community water systems that achieved minimized risk to public health through substantial implementation of a source water protection strategy.</p> <p>Percent of community water systems that have source water protection strategies in place.</p>	<p>One FTE located in the DEP Central Office, Bureau of Safe Drinking Water, Harrisburg.</p> <p>Time code: 39084</p> <p>Staff hours budgeted for this fiscal year: 1,630</p>	<p><b>OUTPUTS:</b></p> <p>State Water Plan</p> <ul style="list-style-type: none"> <li>Implement the statewide priorities and top priorities of the Six Regional Committees as identified in the State Water Plan.</li> <li>Update appropriate sections of the State Water Plan, as required by Act 220 of 2002.</li> <li>Identify two Critical Water Planning Areas and the Initiation of Critical Area Resource Plans.</li> </ul> <p>Continued support for Integrated Water Resource Planning including working with DEP staff and partners to further enhance water resources protection.</p> <p>Provide guidance and support to the water allocation program and PWS surface water withdrawals.</p> <p>Provide guidance and support to Groundwater Protection efforts.</p>	<p><b>Staff hours charged fiscal year to date:</b></p> <p><b>Noteworthy activities for the past six months:</b></p> <p><b>Projected activities for the next 12 months:</b></p> <p><b>Obstacles:</b></p>

**PA DEP DWSRF SET-ASIDES ASSISTANCE TO STATE PROGRAMS—1452(g)(2) 10%**  
 These set-aside funds will be used to enhance ongoing program efforts relative to source water assessment and protection, capability enhancement, and operator training and certification. The funds must be matched dollar-for-dollar by state-provided resources.

**Work Plan Component, Program, and Mechanism:**  
 Source Water Protection (categorically green project); Interstate Resource Coordination and Water Resource Protection Initiative; Staffing

<b>Grant or Contract Recipient:</b> Not applicable	<b>EPA Contact(s):</b> Kelly Moran / Bill Arguto	<b>State Contact(s):</b> Andy Zemba / Lori Mohr
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**Program Goal:**  
 The primary goal for this project is to ensure that source water protection objectives are incorporated into the work of interstate water organizations, particularly those objectives that are related to recommendations in the State Water Plan. In addition, staff will serve as a DEP advocate for interstate water organizations that are proposing or have incorporated source water protection objectives or projects in their work. An Environmental Group Manager in DEP’s Interstate Waters Office oversees staff in the Special Projects Section and coordinates source water protection activities of the Partnership for the Delaware Estuary, the Interstate Council on Water Policy, and participates as an alternate Commissioner to the Interstate Commission on the Potomac River Basin (ICPRB). Program Analysts within the Section coordinate activities related to the SAN, the Christina River Basin Project (CRBP), and subcommittees/workgroups of the Delaware River Basin Commission. Staff will integrate SAN and CRBP and identify opportunities to promote implementation of the administration’s goals pertaining to source water protection.

<b>Environmental Outcomes</b>	<b>Staffing, Subsidy or Contract Information</b>	<b>Outputs for State FY 2015 (July 1, 2014 thru June 30, 2015)</b>	<b>Status/Obstacles/Comments</b>
<p>Percent of community water systems that achieved minimized risk to public health through substantial implementation of a source water protection strategy.</p> <p>Percent of community water systems that have source water protection strategies in place.</p>	<p>One FTE located in the DEP Central Office, Interstate Waters Office – Basin Coordination, Harrisburg. (work may be carried out by more than one staff member, up to a combined maximum of 1 FTE)</p> <p>Time code: 39084</p> <p>Staff hours budgeted for this fiscal year: 1,630</p>	<p><b>OUTPUTS:</b></p> <p>Integrate river basin commission goals and objectives with DEP priorities and promote interstate objectives among partners. For example, promote projects through ICPRB’s Drinking Water Protection Partnership, support continuation of ICPRB rain barrel program, and work with Commissioners and ICPRB staff on a comprehensive basin-wide plan to advocate particularly for drinking water protection.</p> <p>Update river basin commissions and DEP staff about current projects and priorities and identify opportunities for Interstate Coordination/Source Water Protection projects and promote implementation of projects, policies, and funding to support this work. Work with River Basin Commission staff to promote the Integrated Water Resources Science and Services initiative (IWRSS) with state and federal partners,</p> <p>Integrate the State Water Plan Regional Components with the Broader Basin Program such as SAN, CRBP, etc.</p> <p>Communicate with Executive Staff, DEP staff, river basin commission staff, and our counterparts in other state and federal agencies regarding interstate drinking water protection issues and protection projects that benefit Pennsylvania and surrounding waters.</p> <p>Work with the Partnership for the Delaware Estuary to continue to support the “Spokes Dog” contest, wetland protection, and promotion of PDE’s Alliance for Comprehensive Ecosystem Solutions.</p>	<p><b>Staff hours charged fiscal year to date:</b></p> <p><b>Noteworthy activities for the past six months:</b></p> <p><b>Projected activities for the next 12 months:</b></p> <p><b>Obstacles:</b></p>

<p><b>PA DEP DWSRF SET-ASIDES ASSISTANCE TO STATE PROGRAMS—1452(g)(2) 10%</b>                  These set-aside funds will be used to enhance ongoing program efforts relative to source water assessment and protection, capability enhancement, and operator training and certification. The funds must be matched dollar-for-dollar by state-provided resources.</p>			
<p><b>Work Plan Component, Program, and Mechanism:</b>                  Source Water Protection (categorically green project); Water Resources Education Network (WREN); Grants</p>			
<p><b>Grant or Contract Recipient:</b>                  League of Women Voters - Citizen Education Fund</p>		<p><b>EPA Contact(s):</b>                  Kelly Moran / Bill Arguto</p>	
<p><b>State Contact(s):</b>                  Joe Hebelka</p>			
<p><b>Program Goal:</b>                  Build local coalitions for community based education and discussion of local, source water protection policy. Provide grants and training to 4 or more regional coalitions per year for community based education programs. The League will hold training sessions with prospective grantees on funding procedures and project management techniques. Grantees will develop a variety of educational activities, including school-based programs, “water fairs,” fact sheets, videos, posters and “policy forums” with local government officials.</p>			
Environmental Outcomes	Staffing, Subsidy or Contract Information	Outputs for State FY 2015 (July 1, 2014 thru June 30, 2015)	Status/Obstacles/Comments
<p>Percent of community water systems that achieved minimized risk to public health through substantial implementation of a source water protection strategy.</p> <p>Percent of community water systems that have source water protection strategies in place.</p>	<p>Project begins: July 1, 2012</p> <p>Project ends: June 30, 2015 (annual renewal clause)</p> <p>Estimated expenditures under this contract during the fiscal year: \$150,000 <b>[Note: may be revised; pending]</b></p>	<p><b>OUTPUTS:</b></p> <p>Through grantee products, raise public awareness about the importance of protecting public drinking water sources, including groundwater and surface water from contamination.</p> <p>Provide grants to 3 or more local coalitions for community based education projects for regional or county based source water protection efforts:</p> <p>Conduct 2 Drinking Water Protection Workshops.</p> <p>Maintain Resource Center, WREN website and Source Water PA website.</p> <p>Annual WREN Orientation/Wrap-up meeting.</p> <p>Continue to support SWP efforts and outreach with municipal and other DEP SWP partner organizations. Participation in Regional source water protection coalitions (SAN, RAIN, , Lower Susquehanna Source Water Protection Collaborative, Berks County Water and Sewer Association, Lancaster County Source Water Protection Collaborative, etc.).</p>	<p><b>Actual expenditures fiscal year to date:</b></p> <p><b>Noteworthy activities for the past six months:</b></p> <p><b>Projected activities for the next 12 months:</b></p> <p><b>Obstacles:</b></p>

<p><b>PA DEP DWSRF SET-ASIDES ASSISTANCE TO STATE PROGRAMS—1452(g)(2) 10%</b>                  These set-aside funds will be used to enhance ongoing program efforts relative to source water assessment and protection, capability enhancement, and operator training and certification. The funds must be matched dollar-for-dollar by state-provided resources.</p>			
<p><b>Work Plan Component, Program, and Mechanism:</b>                  Operator Certification and Training; Operator Training and Certification Administration Program; Staffing</p>			
<p><b>Grant or Contract Recipient:</b>                  Not applicable</p>		<p><b>EPA Contact(s):</b>                  Kelly Moran / Bill Arguto</p>	
<p><b>State Contact(s):</b>                  William McNamara / Cheri Sansoni</p>			
<p><b>Program Goal:</b>                  To administer operator certification exams, process applications for certification, certificate upgrade and certificate renewals, provide outreach assistance to operators, to develop training courses for operators in classroom and web-based formats, implement the Training Approval Process Program, and develop and implement the regulatory administrative requirements of the Operator Certification Program.</p>			
Environmental Outcomes	Staffing, Subsidy or Contract Information	Outputs for State FY 2015 (July 1, 2014 thru June 30, 2015)	Status/Obstacles/Comments
<p>Percent of systems in compliance with operator certification requirements.</p> <p>Number of continuing education hours delivered.</p>	<p>Four FTEs located in the DEP Central Office, Bureau of Safe Drinking Water, Harrisburg.</p> <p>Time code: 38338</p> <p>Staff hours budgeted for this fiscal year: 6,520</p>	<p><b>OUTPUTS:</b></p> <p>Approve approximately 225 applications for training course approval, post presentation credit, and conferences.</p> <p>Manage data for approximately 19,000 operator course completions.</p> <p>Administer certification examinations to approximately 1,750 water and wastewater examinees, process 900 applications for water and wastewater certification or certificate upgrade, and 3,000 applications for water and wastewater certificate renewal.</p> <p>Develop classroom and web-based course materials for new regulations and operator certification exam preparation.</p> <p>Through technical assistance and enforcement efforts, ensure a 5 – 10% increase in the number of systems in compliance with the operator certification program.</p> <p>Maintain the Earthwise Academy and eFACTS.</p> <p>Administer 200 electronic certification examinations.</p>	<p><b>Staff hours charged fiscal year to date:</b></p> <p><b>Noteworthy activities for the past six months:</b></p> <p><b>Projected activities for the next 12 months:</b></p> <p><b>Obstacles:</b></p>

<p><b>PA DEP DWSRF SET-ASIDES ASSISTANCE TO STATE PROGRAMS—1452(g)(2) 10%</b>                  These set-aside funds will be used to enhance ongoing program efforts relative to source water assessment and protection, capability enhancement, and operator training and certification. The funds must be matched dollar-for-dollar by state-provided resources.</p>			
<p><b>Work Plan Component, Program, and Mechanism:</b>                  Operator Certification and Training; Operator Certification Program Compliance; Staffing</p>			
<p><b>Grant or Contract Recipient:</b>                  Not applicable</p>		<p><b>EPA Contact(s):</b>                  Kelly Moran / Bill Arguto</p>	
<p><b>State Contact(s):</b>                  Dawn Hissner</p>			
<p><b>Program Goal:</b>                  The goal of the Operator Certification Program is for all community and nontransient noncommunitiy (NTNC) water systems to have an operator with the appropriate certification level. The first task is to improve operators' knowledge, skills, and abilities to maximize public health protection, compliance, and system operation. Water system capability and sustainability issues can then be identified and addressed, since hiring a certified operator requires sufficient revenues for salary and a qualified operator that understands the physical aspects of the system. The Operator Certification Program compliance/enforcement approach is designed to enlist the cooperation and commitment of the water system owners and operators in properly addressing and resolving compliance issues. Owners and/or operators not in compliance will be encouraged to meet applicable technical, operational and administrative requirements through training, technical assistance, and oversight working with the Capability Enhancement Program. When assistance efforts do not improve compliance rates, the implementation of a compliance and enforcement strategy will begin.</p>			
Environmental Outcomes	Staffing, Subsidy or Contract Information	Outputs for State FY 2015 (July 1, 2014 thru June 30, 2015)	Status/Obstacles/Comments
<p>Percent of systems in compliance with operator certification requirements.</p> <p>Number of continuing education hours delivered.</p>	<p>One FTE located in the DEP Central Office, Bureau of Safe Drinking Water, Harrisburg.</p> <p>Time code: 38338</p> <p>Staff hours budgeted for this fiscal year: 1,630</p>	<p><b>OUTPUTS:</b></p> <p>A five to ten percent increase per year in the number of systems in compliance with the requirements of the operator certification program.</p> <p>A summary of progress made and finalized work products will be included in the semi-annual progress report.</p>	<p><b>Staff hours charged fiscal year to date:</b></p> <p><b>Noteworthy activities for the past six months:</b></p> <p><b>Projected activities for the next 12 months:</b></p> <p><b>Obstacles:</b></p>

<p><b>PA DEP DWSRF SET-ASIDES ASSISTANCE TO STATE PROGRAMS—1452(g)(2) 10%</b>                  These set-aside funds will be used to enhance ongoing program efforts relative to source water assessment and protection, capability enhancement, and operator training and certification. The funds must be matched dollar-for-dollar by state-provided resources.</p>			
<p><b>Work Plan Component, Program, and Mechanism:</b>                  Operator Certification and Training; Operator Training Development Program; Staffing</p>			
<p><b>Grant or Contract Recipient:</b>                  Not applicable</p>		<p><b>EPA Contact(s):</b>                  Kelly Moran / Bill Arguto</p>	
<p><b>State Contact(s):</b>                  William McNamara</p>			
<p><b>Program Goal:</b>                  To provide additional resources to concentrate on the design and development of web-based training courses, with the objective of eventually making on-line training available on topics covering all drinking water regulations and related technical topics.</p>			
Environmental Outcomes	Staffing, Subsidy or Contract Information	Outputs for State FY 2015 (July 1, 2014 thru June 30, 2015)	Status/Obstacles/Comments
<p>Percent of systems in compliance with operator certification requirements.</p> <p>Number of continuing education hours delivered.</p>	<p>Two FTEs located in the DEP Central Office, Bureau of Safe Drinking Water, Harrisburg.</p> <p>Time code: 38338</p> <p>Staff hours budgeted for this fiscal year: 3,260</p>	<p><b>OUTPUTS:</b></p> <p>Content analysis, design and development of two Web-based training courses per year.</p> <p>A summary of progress made and final products will be included in the semi-annual progress report.</p>	<p><b>Staff hours charged fiscal year to date:</b></p> <p><b>Noteworthy activities for the past six months:</b></p> <p><b>Projected activities for the next 12 months:</b></p> <p><b>Obstacles:</b></p>

<p><b>PA DEP DWSRF SET-ASIDES ASSISTANCE TO STATE PROGRAMS—1452(g)(2) 10%</b>                  These set-aside funds will be used to enhance ongoing program efforts relative to source water assessment and protection, capability enhancement, and operator training and certification. The funds must be matched dollar-for-dollar by state-provided resources.</p>			
<p><b>Work Plan Component, Program, and Mechanism:</b>                  Operator Certification and Training; eFACTS Enhancements; Contracts</p>			
<p><b>Grant or Contract Recipient:</b>                  Computer Aid, Inc.</p>		<p><b>EPA Contact(s):</b>                  Kelly Moran / Bill Arguto</p>	
		<p><b>State Contact(s):</b>                  Dawn Hissner</p>	
<p><b>Program Goal:</b>                  In addition to PADWIS, DEP uses eFACTS, a centralized data management system for all programs, to track permit and enforcement activities as well as certificates for the operation of drinking water and wastewater systems. In addition to routine maintenance and technical support, modifications and enhancements to eFACTS are needed for the implementation of the Operator Certification Program. This include electronic invoicing and tracking of operator certification fees, and a revision to the cross-walk from water and wastewater facility treatment details to the required operator class and subclass(es).</p>			
Environmental Outcomes	Staffing, Subsidy or Contract Information	Outputs for State FY 2015 (July 1, 2014 thru June 30, 2015)	Status/Obstacles/Comments
<p>Percent of systems in compliance with operator certification requirements.</p> <p>Number of continuing education hours delivered.</p>	<p>Computer Aid, Inc. is the Commonwealth's staff augmentation contractor and is currently used by DEP's Bureau of Information Technology to enhance and develop eFACTS. This project is ongoing.</p> <p>Estimated expenditures under this contract during the fiscal year: \$50,000</p>	<p><b>OUTPUTS:</b></p> <p>Electronic invoicing and tracking of fees.</p> <p>Automated determination of the required operator class and subclass(es) based on treatment facility and process details currently maintained in DEP data systems.</p>	<p><b>Actual expenditures fiscal year to date:</b></p> <p><b>Noteworthy activities for the past six months:</b></p> <p><b>Projected activities for the next 12 months:</b></p> <p><b>Obstacles:</b></p>

<p><b>PA DEP DWSRF SET-ASIDES ASSISTANCE TO STATE PROGRAMS—1452(g)(2) 10%</b>                  These set-aside funds will be used to enhance ongoing program efforts relative to source water assessment and protection, capability enhancement, and operator training and certification. The funds must be matched dollar-for-dollar by state-provided resources.</p>			
<p><b>Work Plan Component, Program, and Mechanism:</b>                  Operator Certification and Training; eFACTS Data Maintenance; Contracts</p>			
<p><b>Grant or Contract Recipient:</b>                  Computer Aid, Inc.</p>		<p><b>EPA Contact(s):</b>                  Kelly Moran / Bill Arguto</p>	
<p><b>State Contact(s):</b>                  Cheri Sansoni</p>			
<p><b>Program Goal:</b>                  The expansion of water and wastewater certification exam availability in calendar years 2014 and 2015 has resulted in the procurement of data entry services under the Commonwealth's staff augmentation contract. The employee will augment the work assigned to DEPs existing Operator Certification program staff who enter operator certification client, classification, contact, and other information into eFACTS.</p>			
Environmental Outcomes	Staffing, Subsidy or Contract Information	Outputs for State FY 2015 (July 1, 2014 thru June 30, 2015)	Status/Obstacles/Comments
<p>Percent of systems in compliance with operator certification requirements.</p>	<p>Computer Aid, Inc. is the Commonwealth's staff augmentation contractor. This project will end on June 30, 2015 unless the backlog of certification exams remains across the state.</p> <p>Estimated expenditures under this contract during the fiscal year: \$33,638 (1,950 hours at \$17.25 per hour)</p>	<p><b>OUTPUTS:</b></p> <p>Administer certification examinations to approximately 1,750 water and wastewater examinees, process 900 applications for water and wastewater certification or certificate upgrade, and 3,000 applications for water and wastewater certificate renewal.</p>	<p><b>Actual expenditures fiscal year to date:</b></p> <p><b>Noteworthy activities for the past six months:</b></p> <p><b>Projected activities for the next 12 months:</b></p> <p><b>Obstacles:</b></p>

<p><b>PA DEP DWSRF SET-ASIDES ASSISTANCE TO STATE PROGRAMS—1452(g)(2) 10%</b>                  These set-aside funds will be used to enhance ongoing program efforts relative to source water assessment and protection, capability enhancement, and operator training and certification. The funds must be matched dollar-for-dollar by state-provided resources.</p>			
<p><b>Work Plan Component, Program, and Mechanism:</b>                  Capability Enhancement; Drinking Water System Compliance Assistance Program; Staffing</p>			
<p><b>Grant or Contract Recipient:</b>                  Not applicable</p>		<p><b>EPA Contact(s):</b>                  Kelly Moran / Bill Arguto</p>	<p><b>State Contact(s):</b>                  Dawn Hissner / William McNamara</p>
<p><b>Program Goal:</b>                  In order to meet the requirements of safe drinking water regulations—including the Arsenic Rule, Stage 2 - Disinfectant/Disinfection Byproducts Rule, Long Term 2 Enhanced Surface Water Treatment Rule, Groundwater Rule, Lead and Copper Rule-Short Term Revisions, Revised Total Coliform Rule, etc.—PWSs need assistance in understanding monitoring and reporting requirements, how compliance is determined for each rule, what happens in the event of non-compliance, and what is required to return to compliance. PWSs also need to be kept apprised of potential simultaneous compliance issues related to the new or revised regulations. In addition, these new rules further increase the need for each PWS to have knowledgeable and certified drinking water system operators. To adequately cover the state, one to two additional environmental protection compliance specialists are needed in each of the six DEP regions. Staff will ensure that the small systems can be reached and properly trained within the short implementation time periods that often accompany a new or revised regulation. They will also provide technical assistance where appropriate in dealing with systems having difficulty in meeting current regulatory requirements and will work with DEP’s Capability Enhancement Program Facilitators.</p>			
Environmental Outcomes	Staffing, Subsidy or Contract Information	Outputs for State FY 2015 (July 1, 2014 thru June 30, 2015)	Status/Obstacles/Comments
<p>Percent of population served by water supply systems that meet all health based standards.</p> <p>The ability to relate community water system infrastructure between state and federal databases.</p> <p>Nationally consistent framework for community water system data.</p>	<p>9 FTEs located in the Regional Offices, Field Operations Deputate.</p> <p>Time code: 39083</p> <p>Staff hours budgeted for this fiscal year: 14,670</p>	<p><b>OUTPUTS:</b></p> <p>A bi-annual Drinking Water Newsletter to highlight upcoming regulatory changes.</p> <p>Based on the start of monitoring and compliance dates for new or revised regulations, training events for water suppliers in each of the six DEP regions.</p> <p>A summary of progress made and finalized work products will be included in the semi-annual progress report.</p>	<p><b>Staff hours charged fiscal year to date:</b></p> <p><b>Noteworthy activities for the past six months:</b></p> <p><b>Projected activities for the next 12 months:</b></p> <p><b>Obstacles:</b></p>

<p><b>PA DEP DWSRF SET-ASIDES ASSISTANCE TO STATE PROGRAMS—1452(g)(2) 10%</b>                  These set-aside funds will be used to enhance ongoing program efforts relative to source water assessment and protection, capability enhancement, and operator training and certification. The funds must be matched dollar-for-dollar by state-provided resources.</p>			
<p><b>Work Plan Component, Program, and Mechanism:</b>                  Capability Enhancement; Pennsylvania Drinking Water Information System (PADWIS); Staffing</p>			
<p><b>Grant or Contract Recipient:</b>                  Not applicable</p>		<p><b>EPA Contact(s):</b>                  Kelly Moran / Bill Arguto</p>	<p><b>State Contact(s):</b>                  Jason Minnich</p>
<p><b>Program Goal:</b>                  DEP uses PADWIS to: maintain inventory data on all public water systems regulated by DEP; determine compliance with the Pennsylvania Safe Drinking Water Regulations; and meet EPA’s federal reporting requirements. Pennsylvania will use set-aside funds to support and enhance activities funded under the Public Water System Supervision grant. Staff will maintain and update compliance programming for new reporting requirements and assist with the implementation of automated compliance systems for new regulations. Staff will initiate the compliance programming in PADWIS for the Stage 2 Disinfectants/Disinfection Byproducts Rule, Long Term 2 Enhanced Surface Water Treatment Rule, Lead and Copper Rule Short Term Revisions, Revised Total Coliform Rule, and the Cross-Media Electronic Reporting Regulation. In addition, as part of the mandatory electronic reporting requirements under the Chapter 109 General Update, staff will support water systems and laboratories as they deal with regulatory and programmatic changes that impact our electronic reporting system. Provide updated laboratory and data management guidance documentation to assist staff and the regulatory community.</p>			
Environmental Outcomes	Staffing, Subsidy or Contract Information	Outputs for State FY 2015 (July 1, 2014 thru June 30, 2015)	Status/Obstacles/Comments
<p>Percent of population served by water supply systems that meet all health based standards.</p> <p>The ability to relate community water system infrastructure between state and federal databases.</p> <p>Nationally consistent framework for community water system data.</p>	<p>Two FTEs located in the DEP Central Office, Bureau of Safe Drinking Water, Harrisburg.</p> <p>Time code: 39085</p> <p>Staff hours budgeted for this fiscal year: 3,260</p>	<p><b>OUTPUTS:</b></p> <p>Program PADWIS to adhere to new reporting requirements in sufficient time to meet reporting deadlines of new rules.</p> <p>Support water systems and laboratories as they deal with regulatory and programmatic changes that impact our electronic reporting system.</p> <p>Work with DEP’s Bureau of Laboratories to manage and maintain the accreditation requirements for drinking water laboratories.</p> <p>Updated Laboratory Reporting Guidance and Data Management Guidance.</p> <p>Begin revisions to the Total Coliform Rule compliance programs to meet the Revised TCR requirements.</p> <p>Continue to provide audit and spot checks on data base records to verify data submitted.</p>	<p><b>Staff hours charged fiscal year to date:</b></p> <p><b>Noteworthy activities for the past six months:</b></p> <p><b>Projected activities for the next 12 months:</b></p> <p><b>Obstacles:</b></p>

<p><b>PA DEP DWSRF SET-ASIDES ASSISTANCE TO STATE PROGRAMS—1452(g)(2) 10%</b>                  These set-aside funds will be used to enhance ongoing program efforts relative to source water assessment and protection, capability enhancement, and operator training and certification. The funds must be matched dollar-for-dollar by state-provided resources.</p>			
<p><b>Work Plan Component, Program, and Mechanism:</b>                  Capability Enhancement; Set-Aside Grant Management and Program Analysis; Staffing</p>			
<p><b>Grant or Contract Recipient:</b>                  Not applicable</p>		<p><b>EPA Contact(s):</b>                  Kelly Moran / Bill Arguto</p>	
<p><b>State Contact(s):</b>                  Phil Consonery</p>			
<p><b>Program Goal:</b>                  To provide a needed focus for the management and implementation of activities and projects funded by the set-aside grant and to provide an overview and periodic analysis of progress made to insure resources are appropriately utilized in an expeditious manner.</p>			
Environmental Outcomes	Staffing, Subsidy or Contract Information	Outputs for State FY 2015 (July 1, 2014 thru June 30, 2015)	Status/Obstacles/Comments
<p>Percent of population served by water supply systems that meet all health based standards.</p> <p>The ability to relate community water system infrastructure between state and federal databases.</p> <p>Nationally consistent framework for community water system data.</p>	<p>One FTE located in the DEP Central Office, Bureau of Safe Drinking Water, Harrisburg.</p> <p>Time code: 39086</p> <p>Staff hours budgeted for this fiscal year: 1,630</p>	<p><b>OUTPUTS:</b></p> <p>Periodic reports and analyses of fund expenditures and staff time coded against the grant.</p> <p>Grant workplan and semi-annual progress reports.</p>	<p><b>Staff hours charged fiscal year to date:</b></p> <p><b>Noteworthy activities for the past six months:</b></p> <p><b>Projected activities for the next 12 months:</b></p> <p><b>Obstacles:</b></p>

<p><b>PA DEP DWSRF SET-ASIDES ASSISTANCE TO STATE PROGRAMS—1452(g)(2) 10%</b>                  These set-aside funds will be used to enhance ongoing program efforts relative to source water assessment and protection, capability enhancement, and operator training and certification. The funds must be matched dollar-for-dollar by state-provided resources.</p>			
<p><b>Work Plan Component, Program, and Mechanism:</b>                  Capability Enhancement; Pennsylvania Drinking Water Information System (PADWIS); Contracts</p>			
<p><b>Grant or Contract Recipient:</b>                  Acclaim Systems, Inc.</p>		<p><b>EPA Contact(s):</b>                  Kelly Moran / Bill Arguto</p>	
		<p><b>State Contact(s):</b>                  Jason Minnich</p>	
<p><b>Program Goal:</b>                  To provide SAS programming services as needed to meet primacy requirements and implement automated compliance systems for new regulations. These programming services include SAS and Java for regulation changes and web-based applications. DEP uses PADWIS, a customized online data management system, to maintain detailed information about all public water systems regulated by DEP, to determine compliance with the Pennsylvania Safe Drinking Water Regulations, and to meet the federal reporting requirements of the EPA. DEP uses the Drinking Water Electronic Laboratory Reporting (DWELR) application to acquire self-monitoring results from public water systems and their commercial laboratories.</p>			
Environmental Outcomes	Staffing, Subsidy or Contract Information	Outputs for State FY 2015 (July 1, 2014 thru June 30, 2015)	Status/Obstacles/Comments
<p>Percent of population served by water supply systems that meet all health based standards.</p> <p>The ability to relate community water system infrastructure between state and federal databases.</p> <p>Nationally consistent framework for community water system data.</p>	<p>Beginning August 8, 2013, a 5-year contract was executed with Acclaim Systems, Inc. to provide these services.</p> <p>Project begins: August 8, 2013</p> <p>Project ends: June 30, 2018 (annual renewal clause)</p> <p>Estimated expenditures under this contract during the fiscal year: \$327,787</p>	<p><b>OUTPUTS:</b></p> <p>Completing the following compliance program revisions:</p> <ul style="list-style-type: none"> <li>• Stage 2 Disinfectants/Disinfection Byproducts Rule.</li> <li>• PADWIS modifications to accommodate <i>Cryptosporidium</i> results.</li> <li>• Changes needed for Significant Deficiency Tracking.</li> <li>• Begin changes needed for the Revised Total Coliform Rule.</li> </ul> <p>Screen control language programming to enhance and modify database screens for transaction processing.</p> <p>Evaluating business processes to design, develop, and implement automated compliance determination systems.</p> <p>Designing, developing, and implementing the PADWIS interface with eFACTS and CLS Oracle.</p> <p>Maintaining batch processes to update PADWIS, eFACTS, and CLS.</p> <p>Completing updates as required under the General Update to Chapter 109.</p> <p>Updating DWELR for CROMMERR Compliance.</p>	<p><b>Actual expenditures fiscal year to date:</b></p> <p><b>Noteworthy activities for the past six months:</b></p> <p><b>Projected activities for the next 12 months:</b></p> <p><b>Obstacles:</b></p>

<p><b>PA DEP DWSRF SET-ASIDES ASSISTANCE TO STATE PROGRAMS—1452(g)(2) 10%</b>                  These set-aside funds will be used to enhance ongoing program efforts relative to source water assessment and protection, capability enhancement, and operator training and certification. The funds must be matched dollar-for-dollar by state-provided resources.</p>			
<p><b>Work Plan Component, Program, and Mechanism:</b>                  Capability Enhancement; Statewide Staff Training Conference; Contracts</p>			
<p><b>Grant or Contract Recipient:</b>                  To be determined each year through the Commonwealth’s procurement and bidding process.</p>		<p><b>EPA Contact(s):</b>                  Kelly Moran / Bill Arguto</p>	<p><b>State Contact(s):</b>                  William McNamara</p>
<p><b>Program Goal:</b>                  Set-aside funds will be used to supplement the expenses for this training conference (funding for most expenses originates from the Public Water System Supervision grant and the state Safe Drinking Water Fund). This course will be offered annually or every two years based on training needs. A statewide training conference for DEP Safe Drinking Water Program staff will be conducted to update staff on new regulatory initiatives, highlight new technical information, or address program compliance and data management issues. Sessions will be two to three days long. Cost includes the contract for the training site, including rooms and meals. Costs incurred for meals will be for meals that are part of a working session and in accordance with federal guidelines, GPI-11-02, “Best Practices Guidance for Allowability and Reasonableness of Certain Selected Items of Cost Under Assistance Agreements.” The final budget for the conference will be provided to EPA once the bids have been reviewed and a contractor selected.</p>			
Environmental Outcomes	Staffing, Subsidy or Contract Information	Outputs for State FY 2015 (July 1, 2014 thru June 30, 2015)	Status/Obstacles/Comments
<p>Percent of population served by water supply systems that meet all health based standards.</p> <p>The ability to relate community water system infrastructure between state and federal databases.</p> <p>Nationally consistent framework for community water system data.</p>	<p>Estimated set-aside expenditures under this contract during the fiscal year: \$11,880</p> <p>The total budget for this conference is \$36,000. 62 (33%) of DEP’s Safe Drinking Program positions are funded out of the set-asides. An estimated \$24,120 will be covered under the PWSS grant and through state special funds for non set-aside positions.</p>	<p><b>OUTPUTS:</b></p> <p>Conduct a 2.5-day statewide training conference* for 190 DEP Safe Drinking Water Program staff to update staff on new regulatory initiatives, highlight new technical information, or address program compliance and data management issues. Training begins at 8 AM and ends at 4:15 PM (noon on the third day). Attendees encompass the entire DEP drinking water program in the central and regional offices, including field inspectors, compliance specialists, permitting engineers, program specialists, and program managers.</p> <p>* NOTE: Set-aside grant funds will be used for light refreshments and meals served at these contracted staff training events. Generally, participating staff are given lunch and light refreshments, while breakfast and dinner are included for those on overnight status. Providing lunches in the contract allows a full agenda, including an 8 AM session start time and working lunch periods. This ensures that staff remain together during the workday to increase interaction and continue their discussion of issues. Likewise, morning and afternoon breaks with coffee, tea, milk, juice, soft drinks, donuts, bagels, fruit, pretzels, cookies, chips, or muffins will allow participants to remain in the primary training room during breaks and continue to network and discuss issues.</p>	<p><b>Actual expenditures fiscal year to date:</b></p> <p><b>Noteworthy activities for the past six months:</b></p> <p><b>Projected activities for the next 12 months:</b></p> <p><b>Obstacles:</b></p>

**PA DEP DWSRF SET-ASIDES ASSISTANCE TO STATE PROGRAMS—1452(g)(2) 10%**  
 These set-aside funds will be used to enhance ongoing program efforts relative to source water assessment and protection, capability enhancement, and operator training and certification. The funds must be matched dollar-for-dollar by state-provided resources.

**Work Plan Component, Program, and Mechanism:**  
 Source Water Protection/Operator Certification/Capability Enhancement; Software Licenses (“Other” budget category), Equipment, and Supplies

<b>Grant or Contract Recipient:</b> Not applicable	<b>EPA Contact(s):</b> Kelly Moran / Bill Arguto	<b>State Contact(s):</b> Kheea Anderson / Jason Minnich / William McNamara
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**Program Goal:**  
 To provide equipment and supplies in support of DEP staff whose positions are funded out of the 10% set-asides.

<b>Environmental Outcomes</b>	<b>Staffing, Subsidy or Contract Information</b>	<b>Outputs for State FY 2015 (July 1, 2014 thru June 30, 2015)</b>	<b>Status/Obstacles/Comments</b>
<p>Percent of community water systems (CWS) that achieved minimized risk to public health through substantial implementation of a source water protection strategy.</p> <p>Percent of CWSs that have source water protection strategies in place.</p> <p>Percent of systems in compliance with operator certification requirements.</p> <p>Number of continuing education hours delivered.</p> <p>Percent of population served by water supply systems that meet all health based standards.</p> <p>The ability to relate CWS infrastructure between state and federal databases.</p> <p>Nationally consistent framework for CWS data.</p>	<p>See Appendix B. A separate spreadsheet is provided that lists all the anticipated equipment and supplies purchases. If additional equipment or supplies is needed, the procedure for pre-approval of these purchases by EPA will be followed.</p> <p>A summary and justification for the supplies and equipment is included in the adjacent column.</p>	<p>Personal Computers</p> <p>Laptops, docking stations, desktop computers, and monitors will be replaced every five years for staff funded in this workplan at the rate of 4 to 6 computers per year. EPA will be provided a listing of the computers bought each year as part of the semi-annual progress report.</p> <p>Annual SAS License Renewals for PADWIS and DWELR</p> <p>DEP uses the Pennsylvania Drinking Water Information System (PADWIS) as the statewide inventory and compliance data system for the water systems. PADWIS stores data, determines compliance, and reports violations and inventory information to SDWIS/Fed. Also, DEP uses the Drinking Water Electronic Laboratory Reporting (DWELR) application to acquire self-monitoring results from public water systems and their commercial laboratories.</p> <p>The annual license renewal fees for PADWIS and DWELR enable DEP to continue using the SAS software on servers that host these applications. The annual server license fees are approximately \$200,000.</p> <p>Moodle Hosting Renewals, Web-based Course Software, and Global TAPS</p> <p>The Earthwise Academy is DEP’s web-based university for drinking water system operators and drinking water program staff. DEP contracts with Remote-Learner, Inc. to host the Moodle Learning Management System (LMS). The LMS allows DEP to launch and manage web courses and end users. DEP pays a yearly service fee to Remote-Learner, which includes the ELIS Enterprise Learning Suite, hosting, periodic upgrades, and a technical support system. The annual fee is approximately \$10,800.</p>	<p><b>Computers and license renewals purchased during the past six-months:</b></p> <p><b>Projected purchases for the next 12 months:</b></p>

		<p>Software to develop Web-based training is consistently evolving. Every 3 to 4 years, an upgraded version of development software is purchased for at least two individuals responsible for the web-based course program. EPA will be provided a description of the software purchases in the semi-annual progress report. The cost of the software is approximately \$2,800.</p> <p>Computer Aid, Inc. is the Commonwealth's staff augmentation contractor and is currently used by DEP's Bureau of Information Technology to provide support and enhancements to the Earthwise Academy site and the web-based training approval system (Global TAPS).</p>	
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**SECTIONS 1452(k)(1)(B) and (k)(1)(D) OTHER AUTHORIZED ACTIVITIES—15%**

These set-aside funds will be used to enhance ongoing program efforts relative to source water protection, capability enhancement, and operator training and certification, as described below. These funds need not be matched with state resources. Note that the indicated source water protection activities are considered Categorically Green Infrastructure Projects and will be counted as part of the 20% set-aside for Green Infrastructure.

<p><b>PA DEP DWSRF SET-ASIDES</b>  <b>SECTIONS 1452(k)(1)(B) and (k)(1)(D) OTHER AUTHORIZED ACTIVITIES—15%</b>                  These set-aside funds will be used to enhance ongoing program efforts relative to source water protection, capability enhancement, and operator training and certification. The funds need not be matched with state resources.</p>			
<p><b>Work Plan Component, Program, and Mechanism:</b>                  Source Water Protection (categorically green project); Ground Water Protection (Regions) – Wellhead Protection; Staffing</p>			
<p><b>Grant or Contract Recipient:</b>                  Not applicable</p>		<p><b>EPA Contact(s):</b>                  Kelly Moran / Bill Arguto</p>	<p><b>State Contact(s):</b>                  Patrick Bowling</p>
<p><b>Program Goal:</b>                  Implement the Ambient and Fixed Station Ground Water Quality Monitoring Program. Conduct reviews and make recommendations on ground water reports and permits for land application and spray irrigation of waste water and review of ground water components of municipal waste water planning. Staff responds to program related complaints.</p>			
Environmental Outcomes	Staffing, Subsidy or Contract Information	Outputs for State FY 2015 (July 1, 2014 thru June 30, 2015)	Status/Obstacles/Comments
<p>Percent of community water systems where risk to public health is minimized through source water protection (measure SP-4(a)).</p> <p>Percent of the population served by community water systems where risk to public health is minimized through source water protection (measure SP-4(b)).</p>	<p>Two FTEs located in the DEP southeast and southcentral Clean Water Program.</p> <p>Time code: 36109</p> <p>Staff hours budgeted for this fiscal year: 3,260</p>	<p><b>OUTPUTS:</b></p> <p>Regional staff will design, plan, and conduct sampling of at least two Ground Water Quality Monitoring networks for selected ground water basins.</p> <p>Conduct permit reviews within established guidelines.</p> <p>Respond to complaints within established time frames.</p> <p>Ambient ground water quality monitoring data will be verified and collated for inclusion in the PA Integrated Report (305(b) report).</p>	<p><b>Staff hours charged fiscal year to date:</b></p> <p><b>Noteworthy activities for the past six months:</b></p> <p><b>Projected activities for the next 12 months:</b></p> <p><b>Obstacles:</b></p>

**PA DEP DWSRF SET-ASIDES**  
**SECTIONS 1452(k)(1)(B) and (k)(1)(D) OTHER AUTHORIZED ACTIVITIES—15%**  
 These set-aside funds will be used to enhance ongoing program efforts relative to source water protection, capability enhancement, and operator training and certification. The funds need not be matched with state resources.

**Work Plan Component, Program, and Mechanism:**  
 Source Water Protection (categorically green project); Source Water Assessment and Protection Program; Staffing

<b>Grant or Contract Recipient:</b> Not applicable	<b>EPA Contact(s):</b> Kelly Moran / Bill Arguto	<b>State Contact(s):</b> Patrick Bowling
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**Program Goal:**  
 To conduct source water assessments for all sources serving public water systems, provide support for surface water assessment activities, support, promote, and track development and implementation of local source water protection programs, promote and facilitate inter program support of local source water protection programs, and promote the long-term sustainability of Pennsylvania’s drinking water infrastructure through the implementation of the Capability Enhancement Program within a watershed approach. Each region has developed a regional source water protection (SWP) implementation plan to help move towards the state’s goal for substantial implementation of SWP activities. These regional plans will be used to help revise DEP’s SWP strategy document.

<b>Environmental Outcomes</b>	<b>Staffing, Subsidy or Contract Information</b>	<b>Outputs for State FY 2015 (July 1, 2014 thru June 30, 2015)</b>	<b>Status/Obstacles/Comments</b>
<p>Percent of community water systems where risk to public health is minimized through source water protection (measure SP-4(a)).</p> <p>Percent of the population served by community water systems where risk to public health is minimized through source water protection (measure SP-4(b)).</p>	<p>7 FTEs located in the six DEP Regional Offices, Field Operations Deputate.</p> <p>Time code: 38329</p> <p>Staff hours budgeted for this fiscal year: 11,410</p> <p>Additional notes: To accomplish this initiative, the state’s Capability Enhancement Program strategy was revised and submitted to EPA for review in May 2008. This draft strategy was published in the <i>Pennsylvania Bulletin</i> on June 28, 2008. Comments were addressed and a final strategy was published in the <i>Pennsylvania Bulletin</i> on January 17, 2009.</p>	<p><b>OUTPUTS:</b></p> <p>Support development of local source water protection strategies for 6% of community water systems that do not have a source water protection plan or have not undertaken any source water protection efforts.</p> <p>Support substantial implementation of local source water protection programs for 10% of community water systems that do not have approved plans or meet the state definition of substantial implementation.</p> <p>Review and approve 80% of the source water protection plans submitted for each year and maintain plan approval through the annual update process.</p> <p>Assist development of contractor work plans for 100% of CWS seeking technical assistance through SWPTAP.</p> <p>Conduct source water assessments for 5% of the community water system and high-risk noncommunity system sources permitted after 1999 needing assessments.</p> <p>A summary of progress made and finalized work products will be included in the semi-annual progress report.</p> <p>Percent of CWSs where risk to public health is minimized through source water protection (SP-4(a); Goal = 32%).</p> <p>Percent of the population served by CWSs where risk to public health is minimized through source water protection (SP-4(b); Goal = 73%).</p>	<p><b>Staff hours charged fiscal year to date:</b></p> <p><b>Noteworthy activities for the past six months:</b></p> <p><b>Projected activities for the next 12 months:</b></p> <p><b>Obstacles:</b></p>

		Negotiate with Region III the FFY 2015 National Program Manager Guidance Measures for source water protection when they are available.	
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**PA DEP DWSRF SET-ASIDES**  
**SECTIONS 1452(k)(1)(B) and (k)(1)(D) OTHER AUTHORIZED ACTIVITIES—15%**  
 These set-aside funds will be used to enhance ongoing program efforts relative to source water protection, capability enhancement, and operator training and certification. The funds need not be matched with state resources.

**Work Plan Component, Program, and Mechanism:**  
 Source Water Protection (categorically green project); Master Well Owners Network (MWON); Contracts

<b>Grant or Contract Recipient:</b> Penn State University - School of Forest Resources	<b>EPA Contact(s):</b> Kelly Moran / Bill Arguto	<b>State Contact(s):</b> Patrick Bowling
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**Program Goal:**  
 MWON is a network of trained volunteers dedicated to promoting the proper construction, operation and maintenance of private water systems in Pennsylvania. The MWON develops and maintains outreach and training materials which are used to provide on-going training and support to volunteers (Master Well Owners) on private water wells and their construction. After training, each Master Well Owner must provide general education about management of private water systems to at least 100 people over a two year period of time. To date, the volunteer trainers have provided information to over 30,000 well owners through individual contacts and presentations at community events. A portion of the funds will be used to help plan the 2015 Pennsylvania Ground Water Symposium which will provide a forum for researchers, professionals and educators to exchange information and promote the protection of ground water throughout the state. Separate funding will be used to put on the Symposium.

<b>Environmental Outcomes</b>	<b>Staffing, Subsidy or Contract Information</b>	<b>Outputs for State FY 2015 (July 1, 2014 thru June 30, 2015)</b>	<b>Status/Obstacles/Comments</b>
<p>Percent of community water systems where risk to public health is minimized through source water protection (measure SP-4(a)).</p> <p>Percent of the population served by community water systems where risk to public health is minimized through source water protection (measure SP-4(b)).</p>	<p>Project begins: July 1, 2014</p> <p>Project ends: June 30, 2015 (annual renewal clause)</p> <p>Estimated expenditures under this contract during the fiscal year: \$30,000</p>	<p><b>OUTPUTS:</b></p> <p>Provide training for up to 60 volunteers.</p> <p>Support the nearly 600 trained volunteers.</p> <p>Maintain the education and outreach materials and website.</p> <p>Hold a Ground Water Symposium in May 2015.</p>	<p><b>Actual expenditures fiscal year to date:</b></p> <p><b>Noteworthy activities for the past six months:</b></p> <p><b>Projected activities for the next 12 months:</b></p> <p><b>Obstacles:</b></p>

**PA DEP DWSRF SET-ASIDES**  
**SECTIONS 1452(k)(1)(B) and (k)(1)(D) OTHER AUTHORIZED ACTIVITIES—15%**  
 These set-aside funds will be used to enhance ongoing program efforts relative to source water protection, capability enhancement, and operator training and certification. The funds need not be matched with state resources.

**Work Plan Component, Program, and Mechanism:**  
 Source Water Protection (categorically green project); Technical Assistance for Source Water Protection for Community Water Systems; Contracts

<b>Grant or Contract Recipient:</b> SSM Group, Inc.	<b>EPA Contact(s):</b> Kelly Moran / Bill Arguto	<b>State Contact(s):</b> Joe Hebelka
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**Program Goal:**  
 To provide technical assistance to community water systems and municipalities to develop and implement local source water protection programs aimed at addressing susceptibility of the source to contamination. Local source water protection programs must meet the minimum elements outlined by DEP. Such programs would include features such as: rigorous wellhead protection area delineation; contaminant source inventories; local or regional land use planning; zoning ordinances; educational programs; and landowner incentives.

<b>Environmental Outcomes</b>	<b>Staffing, Subsidy or Contract Information</b>	<b>Outputs for State FY 2015 (July 1, 2014 thru June 30, 2015)</b>	<b>Status/Obstacles/Comments</b>
<p>Percent of community water systems where risk to public health is minimized through source water protection (measure SP-4(a)).</p> <p>Percent of the population served by community water systems where risk to public health is minimized through source water protection (measure SP-4(b)).</p>	<p>Project begins: July 1, 2012</p> <p>Project ends: June 30, 2017 (annual renewal clause)</p> <p>Estimated expenditures under this contract during the fiscal year: \$600,000. In FY '14-15 and FY '15-16, the project is increased from the previous level of \$500,000 to enhance the program to specifically target small community water systems.</p>	<p><b>OUTPUTS:</b></p> <p>Approximately 15 projects are started each year. In addition, approximately 10 projects will be completed each year.</p> <p>Monthly progress reports for community water systems that were provided technical assistance from the project's initiation.</p> <p>SWPTAP Small System SWP Program – administer program for approximately 50 community water systems per year serving &lt;500 people.</p>	<p><b>Actual expenditures fiscal year to date:</b></p> <p><b>Noteworthy activities for the past six months:</b></p> <p><b>Projected activities for the next 12 months:</b></p> <p><b>Obstacles:</b></p>

<p><b>PA DEP DWSRF SET-ASIDES</b>  <b>SECTIONS 1452(k)(1)(B) and (k)(1)(D) OTHER AUTHORIZED ACTIVITIES—15%</b>                  These set-aside funds will be used to enhance ongoing program efforts relative to source water protection, capability enhancement, and operator training and certification. The funds need not be matched with state resources.</p>			
<p><b>Work Plan Component, Program, and Mechanism:</b>                  Source Water Protection (categorically green project); Source Water Protection Implementation Strategy for the Schuylkill Watershed (SAN Coordinator); Contracts</p>			
<p><b>Grant or Contract Recipient:</b>                  Partnership for the Delaware Estuary</p>		<p><b>EPA Contact(s):</b>                  Kelly Moran / Bill Arguto</p>	
<p><b>State Contact(s):</b>                  Joe Hebelka</p>			
<p><b>Program Goal:</b>                  To provide direct technical assistance to the Philadelphia Water Department (City of Philadelphia) to develop and implement a source water protection strategy in the Schuylkill River watershed. The project will build on and expand the efforts and progress of the Partnership for the Delaware Estuary’s (PDE) Schuylkill Action Network Coordinator position previously funded through a Section 319 and Coastal Zone Management grants. The primary focus is to reduce the risk to the community water system sources of the common potential sources of contamination in the watershed by substantially implementing watershed-wide management approaches. This is accomplished by organizing the water suppliers, watershed organizations, and other agencies working in the watershed to implement a strategy to reduce the risk of the potential sources of contamination identified in the source water assessment and protection plans.</p>			
Environmental Outcomes	Staffing, Subsidy or Contract Information	Outputs for State FY 2015 (July 1, 2014 thru June 30, 2015)	Status/Obstacles/Comments
<p>Percent of community water systems where risk to public health is minimized through source water protection (measure SP-4(a)).</p> <p>Percent of the population served by community water systems where risk to public health is minimized through source water protection (measure SP-4(b)).</p>	<p>Project begins: July 1, 2010</p> <p>Project ends: June 30, 2015</p> <p>Estimated expenditures under this contract during the fiscal year: \$65,000</p> <p>Additional notes: The formal development of the new source water protection plans will be coordinated through PADEP’s source water protection partners (SWPTAP, PRWA, WREN and others). Matching funds and in-kind services will be provided by the Philadelphia Water Department, the PDE, the Schuylkill River Heritage Area, EPA Region III, and the DRBC; with additional support from numerous SAN members.</p>	<p><b>OUTPUTS:</b></p> <p>Continue all functions and duties of SAN Coordinator for the next year; such as:</p> <ol style="list-style-type: none"> <li>1. Maintain SAN Website.</li> <li>2. Quarterly Newsletter.</li> <li>3. One Training Session per Year.</li> <li>4. Scholastic Drinking Water Awards Program or equivalent.</li> <li>5. Annual public workshop.</li> <li>6. Update Workplans and coordinate meetings for each of the 6 priority..</li> <li>7. Assist source water protection program development and implementation.</li> <li>8. Interact with William Penn Foundation Watershed Protection and Restoration Initiative.</li> <li>9. Schuylkill Action Students program.</li> <li>10. SAN sustainability efforts.</li> </ol>	<p><b>Actual expenditures fiscal year to date:</b></p> <p><b>Noteworthy activities for the past six months:</b></p> <p><b>Projected activities for the next 12 months:</b></p> <p><b>Obstacles:</b></p>

<p><b>PA DEP DWSRF SET-ASIDES</b>  <b>SECTIONS 1452(k)(1)(B) and (k)(1)(D) OTHER AUTHORIZED ACTIVITIES—15%</b>                  These set-aside funds will be used to enhance ongoing program efforts relative to source water protection, capability enhancement, and operator training and certification. The funds need not be matched with state resources.</p>			
<p><b>Work Plan Component, Program, and Mechanism:</b>                  Source Water Protection (categorically green project); Wellhead Protection Programs and Watershed Protection Programs; Grants</p>			
<p><b>Grant or Contract Recipient:</b>                  Pennsylvania Rural Water Association (PRWA)</p>		<p><b>EPA Contact(s):</b>                  Kelly Moran / Bill Arguto</p>	<p><b>State Contact(s):</b>                  Patrick Bowling</p>
<p><b>Program Goal:</b>                  To provide technical assistance to a minimum of 50 community water systems and municipalities that do not have source water protection plans in order to achieve substantial implementation of local source water protection (wellhead and/or watershed protection) programs/activities and to help maintain existing local source water protection programs. A minimum of 50 systems must be systems who do not have source water protection plans. Assistance to local programs includes aspects such as guiding steering committees, public participation, contaminant source inventories, source water protection area management, and contingency planning. The recently developed “SWAP-Assist” tool will also be utilized. The goal of the tool is to show a system how to (or guide a system toward) substantially implement their source water protection program. Due to reductions in the grant amount in previous years, training on source water protection will not be funded under this grant although PRWA will still provide some training on source water protection using other funds. Training is one of the main ways that PRWA enlists new systems to develop local source water protection programs. Training activities include local workshops and courses at their annual statewide conference.</p>			
Environmental Outcomes	Staffing, Subsidy or Contract Information	Outputs for State FY 2015 (July 1, 2014 thru June 30, 2015)	Status/Obstacles/Comments
<p>Percent of community water systems where risk to public health is minimized through source water protection (measure SP-4(a)).</p> <p>Percent of the population served by community water systems where risk to public health is minimized through source water protection (measure SP-4(b)).</p>	<p>Project begins: July 1, 2013</p> <p>Project ends: June 30, 2018 (annual renewal option for 4 years)</p> <p>Estimated expenditures under this grant during the fiscal year: \$165,600</p>	<p><b>OUTPUTS:</b></p> <p>Provide assistance to a minimum of 50 community water systems that do have source water protection plans in order to achieve substantial implementation of local source water protection efforts.</p> <p>Help maintain existing local source water protection programs.</p> <p>Quarterly progress reports will be provided.</p> <p>Coordinate with DEP and other partners on source water protection efforts as needed.</p>	<p><b>Actual expenditures fiscal year to date:</b></p> <p><b>Noteworthy activities for the past six months:</b></p> <p><b>Projected activities for the next 12 months:</b></p> <p><b>Obstacles:</b></p>

<p><b>PA DEP DWSRF SET-ASIDES</b>  <b>SECTIONS 1452(k)(1)(B) and (k)(1)(D) OTHER AUTHORIZED ACTIVITIES—15%</b>                  These set-aside funds will be used to enhance ongoing program efforts relative to source water protection, capability enhancement, and operator training and certification. The funds need not be matched with state resources.</p>			
<p><b>Work Plan Component, Program, and Mechanism:</b>                  Source Water Protection (categorically green project); Customized GIS Tools Maintenance; Contracts</p>			
<p><b>Grant or Contract Recipient:</b>                  Spatial Information Technologies, Inc.</p>		<p><b>EPA Contact(s):</b>                  Kelly Moran / Bill Arguto</p>	
<p><b>State Contact(s):</b>                  Patrick Bowling</p>			
<p><b>Program Goal:</b>                  To explore mechanisms to develop and enter into a maintenance agreement to support customized ArcGIS applications (SWAP-GIS, Intake Zone Tool, SOC Tool, SWIS) developed for conducting GIS-based source water assessments, monitoring waiver assessments, and SWAP tracking/reporting. Since these applications were not developed in-house, DEP’s Bureau of Information Technology is requiring a maintenance agreement for the support of the applications.</p>			
Environmental Outcomes	Staffing, Subsidy or Contract Information	Outputs for State FY 2015 (July 1, 2014 thru June 30, 2015)	Status/Obstacles/Comments
<p>Percent of community water systems where risk to public health is minimized through source water protection (measure SP-4(a)).</p> <p>Percent of the population served by community water systems where risk to public health is minimized through source water protection (measure SP-4(b)).</p>	<p>Project is ongoing</p> <p>Estimated expenditures under this contract during the fiscal year: \$10,000</p>	<p><b>OUTPUTS:</b></p> <p>Translate application programming codes to most recent ArcGIS platform upon anticipated departmental GIS software upgrade.</p> <p>As needed, correct application glitches/bugs when encountered by users.</p>	<p><b>Actual expenditures fiscal year to date:</b></p> <p><b>Noteworthy activities for the past six months:</b></p> <p><b>Projected activities for the next 12 months:</b></p> <p><b>Obstacles:</b></p>

<p><b>PA DEP DWSRF SET-ASIDES</b>  <b>SECTIONS 1452(k)(1)(B) and (k)(1)(D) OTHER AUTHORIZED ACTIVITIES—15%</b>                  These set-aside funds will be used to enhance ongoing program efforts relative to source water protection, capability enhancement, and operator training and certification. The funds need not be matched with state resources.</p>			
<p><b>Work Plan Component, Program, and Mechanism:</b>                  Capability Enhancement; Distribution System Optimization; Staffing</p>			
<p><b>Grant or Contract Recipient:</b>                  Not applicable</p>		<p><b>EPA Contact(s):</b>                  Kelly Moran / Bill Arguto</p>	
<p><b>State Contact(s):</b>                  Paul Handke</p>			
<p><b>Program Goal:</b>                  To develop, implement, and manage a statewide Distribution System Optimization program which establishes distribution system specific best management practices and encourages water system staff to work towards water quality goals. This program will enhance the technical, managerial, and financial capability of the critical distribution system portion of drinking water systems in Pennsylvania. Central Office staff takes the lead on developing, implementing, and managing the statewide program.</p>			
Environmental Outcomes	Staffing, Subsidy or Contract Information	Outputs for State FY 2015 (July 1, 2014 thru June 30, 2015)	Status/Obstacles/Comments
<p>Percent of community water systems where risk to public health is minimized through improved distribution system operations and water quality.</p> <p>A reduced risk to public health by more rapidly returning PWSs to compliance with regulations by addressing MCL violations and operational defects identified through inspections, sanitary surveys and distribution system monitoring events.</p>	<p>One FTE located in the DEP Central Office, Bureau of Safe Drinking Water, Harrisburg.</p> <p>Time code: 38333</p> <p>Staff hours budgeted for this fiscal year: 1,630</p>	<p><b>OUTPUTS:</b></p> <p>Installation of in-line monitoring equipment in distribution systems to gather continuous monitoring data in various systems for informational purposes, introduce water system personnel to the capabilities of continuous in-line monitoring equipment and introduce water systems to the concept of additional monitoring and baseline water quality establishment, which can be used in the early detection of deteriorating water quality resulting from treatment breakdown or contamination.</p> <p>Conduct 6 Distribution System Evaluations, including 1 to 2 Comprehensive Performance Evaluations (CPEs), each year and provided to each water supplier a comprehensive written report that identifies distribution system performance weaknesses.</p> <p>Written assessment (self- and site-) procedures.</p> <p>Training of water supplier and DEP Regional Office staff.</p> <p>Participation on the EPA AWOP Distribution Optimization Committee conference calls and field events and assistance with developing national guidance related to distribution optimization.</p>	<p><b>Staff hours charged fiscal year to date:</b></p> <p><b>Noteworthy activities for the past six months:</b></p> <p><b>Projected activities for the next 12 months:</b></p> <p><b>Obstacles:</b></p>

**PA DEP DWSRF SET-ASIDES**  
**SECTIONS 1452(k)(1)(B) and (k)(1)(D) OTHER AUTHORIZED ACTIVITIES—15%**  
 These set-aside funds will be used to enhance ongoing program efforts relative to source water protection, capability enhancement, and operator training and certification. The funds need not be matched with state resources.

**Work Plan Component, Program, and Mechanism:**  
 Capability Enhancement; Partnership for Safe Water, Filter Plant Performance Evaluation Program, and the Area Wide Optimization Program; Staffing

<b>Grant or Contract Recipient:</b> Not applicable	<b>EPA Contact(s):</b> Kelly Moran / Bill Arguto	<b>State Contact(s):</b> Kurt Smith
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**Program Goal:**  
 To provide statewide program development, management, and coordination of these programs to enhance the technical, managerial, and financial capability of drinking water systems in Pennsylvania.

Environmental Outcomes	Staffing, Subsidy or Contract Information	Outputs for State FY 2015 (July 1, 2014 thru June 30, 2015)	Status/Obstacles/Comments
<p>Percent of population served by filter plants that have Commendable or Satisfactory Filter Plant Performance Evaluations (FPPE).</p> <p>Percent of filter plants that have Commendable or Satisfactory FPPEs.</p> <p>Percent of population served by PWSs that meet all health-based standards.</p> <p>The elimination of PWSs that are not technically, managerially, or financially capable to operate in compliance with all existing and new drinking water regulations through the design and construction of needed system upgrades and the improvement of system staff capabilities.</p> <p>A reduced risk to public health by more rapidly returning PWSs to compliance</p>	<p>Three FTEs located in the DEP Central Office, Bureau of Safe Drinking Water, Harrisburg. These staff members support DEP Regional Office efforts to complete the evaluations.</p> <p>Four FTEs located in the DEP Regional Offices. These staff members implement the programs in the field to enhance individual system’s technical, managerial, and financial capability of drinking water systems in Pennsylvania.</p> <p>Time code: 38333</p> <p>Staff hours budgeted for this fiscal year: 11,410</p>	<p><b>OUTPUTS:</b></p> <p>105 systems evaluated per year. A final FPPE report which includes optimization related comments is provided to each filter plant that is evaluated.</p> <p>A summary of progress made and final products will be included in the semi-annual progress report.</p> <p>Annually complete AWOP Status Component that ranks filtered drinking water systems in PA.</p> <p>Complete Annual Regional Summary Reports that summarize FPPE related work for each region for the previous 12 months.</p> <p>Other activities designed to enhance the capabilities of the state’s FPPE Program to protect public health.</p> <p>Training of any new FPPE Regional Office staff.</p>	<p><b>Staff hours charged fiscal year to date:</b></p> <p><b>Noteworthy activities for the past six months:</b></p> <p><b>Projected activities for the next 12 months:</b></p> <p><b>Obstacles:</b></p>

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with regulations by addressing MCL violations, monitoring and reporting violations, and operational defects identified through inspections and sanitary surveys.

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<p><b>PA DEP DWSRF SET-ASIDES</b>  <b>SECTIONS 1452(k)(1)(B) and (k)(1)(D) OTHER AUTHORIZED ACTIVITIES—15%</b>                  These set-aside funds will be used to enhance ongoing program efforts relative to source water protection, capability enhancement, and operator training and certification. The funds need not be matched with state resources.</p>			
<p><b>Work Plan Component, Program, and Mechanism:</b>                  Capability Enhancement; Drinking Water Protection Initiative; Staffing</p>			
<p><b>Grant or Contract Recipient:</b>                  Not applicable</p>		<p><b>EPA Contact(s):</b>                  Kelly Moran / Bill Arguto</p>	<p><b>State Contact(s):</b>                  Dawn Hissner</p>
<p><b>Program Goal:</b>                  To expand the capability of the PWSS program to protect public health. These staff enable the PWSS program to address the backlog of sanitary surveys and full inspections, expedite the response time to potential violations, improve the timely reporting of violations to EPA, and reduce the number of systems on the Enforcement Targeting Tool (ETT) list. As of July 1, 2009, the Bucks County Health Department canceled the delegation agreement with DEP for the implementation of the PWSS program. In addition, Chester County Health Department canceled the delegation agreement with DEP effective July 1, 2010. As a result, DEP’s Southeast Regional Office has absorbed these responsibilities. Two positions, one from the Filter Plant Performance Evaluation Program in the Southwest Regional Office and the Program Analyst vacancy in the Interstate Waters Office funded in the 10% set-asides, was transferred to the Southeast Regional Office as a long-term solution.</p>			
Environmental Outcomes	Staffing, Subsidy or Contract Information	Outputs for State FY 2015 (July 1, 2014 thru June 30, 2015)	Status/Obstacles/Comments
<p>Percent of population served by PWSs that meet all health-based standards.</p> <p>A reduced risk to public health by more rapidly returning PWSs to compliance with regulations by addressing MCL violations, monitoring and reporting violations, and operational defects identified through inspections and sanitary surveys.</p>	<p>16 FTEs located in the DEP Regional Offices, Field Operations Deputate.</p> <p>Time code: 38328</p> <p>Staff hours budgeted for this fiscal year: 26,080</p>	<p><b>OUTPUTS:</b></p> <p>Completed sanitary surveys.</p> <p>Responses to violations, focusing on systems that are on the ETT list.</p> <p>Reviews of violations entered into PADWIS.</p> <p>Other activities designed to enhance the capabilities of the state’s PWSS grant program to protect public health.</p>	<p><b>Staff hours charged fiscal year to date:</b></p> <p><b>Noteworthy activities for the past six months:</b></p> <p><b>Projected activities for the next 12 months:</b></p> <p><b>Obstacles:</b></p>

<p><b>PA DEP DWSRF SET-ASIDES</b>  <b>SECTIONS 1452(k)(1)(B) and (k)(1)(D) OTHER AUTHORIZED ACTIVITIES—15%</b>                  These set-aside funds will be used to enhance ongoing program efforts relative to source water protection, capability enhancement, and operator training and certification. The funds need not be matched with state resources.</p>			
<p><b>Work Plan Component, Program, and Mechanism:</b>                  Capability Enhancement; Partnership for Safe Water; Grants</p>			
<p><b>Grant or Contract Recipient:</b>                  PA Section - American Water Works Association (PA-AWWA)</p>		<p><b>EPA Contact(s):</b>                  Kelly Moran / Bill Arguto</p>	
<p><b>State Contact(s):</b>                  Kevin Anderson</p>			
<p><b>Program Goal:</b>                  To provide public relations and public education for water systems to participate in the national Partnership for Safe Water (PfSW). Execute a partnership grant with the PA Section of the American Water Works Association (PA-AWWA) to support implementation of the national Partnership for Safe Water program in Pennsylvania. This will enable PA-AWWA to hire PfSW Representatives to support DEP’s initiative to optimize water quality and reduce risks of a waterborne disease outbreak through active participation in the Partnership. Activities accomplished under this grant support optimization through both plant and distribution PfSW programs.</p>			
Environmental Outcomes	Staffing, Subsidy or Contract Information	Outputs for State FY 2015 (July 1, 2014 thru June 30, 2015)	Status/Obstacles/Comments
<p>Percent of population served by filter plants that have Commendable or Satisfactory Filter Plant Performance Evaluations (FPPE).</p> <p>Percent of filter plants that have Commendable or Satisfactory FPPEs.</p> <p>Percent of population served by PWSs that meet all health-based standards.</p> <p>The elimination of PWSs that are not technically, managerially, or financially capable to operate in compliance with all existing and new drinking water regulations through the design and construction of needed system upgrades and the improvement of system staff capabilities.</p>	<p>Project begins: July 1, 2014</p> <p>Project ends: June 30, 2019 (annual renewal clause)</p> <p>Estimated expenditures under this grant during the fiscal year: \$75,000</p>	<p><b>OUTPUTS:</b></p> <p>PfSW representatives will complete the following outputs:</p> <ol style="list-style-type: none"> <li>1) At least 4 non-member site visits each quarter at 4 (total of 16 separate facilities per year) different facilities as an effort to promote the PfSW Program and generate new members. Roughly half should be at ground water utilities to promote the PfSW Distribution System Program. Visits to non-members will also occur.</li> <li>2) At least 4 Phase II PfSW site visits at a minimum of 2 different facilities each quarter as an effort to encourage and assist them as they progress to phase III.</li> <li>3) At least 4 Phase III PfSW site visits at a minimum of 2 different facilities each quarter as an effort to encourage and assist them as they progress to phase IV.</li> <li>4) At least 2 Phase II PfSW site visits at Distribution System Program members at a minimum of 2 different facilities each quarter as an effort to encourage and assist them as they progress to Phase III.</li> <li>5) As site visits occur, a site visit report will be completed and submitted to DEP for review within two weeks of the site visit. The report will contain the information requested in the site visit report template which has been provided by DEP.</li> <li>6) PA AWWA and PfSW Representatives will produce a “Partners in PA” newsletter during each quarter and distribute to each member.</li> <li>7) Annually, a selected list of non PfSW members will be targeted with a mailing of the “Partners in PA” newsletter.</li> <li>8) The PfSW program and PfSW members will be promoted in the “Water Source News” each quarter on a full page article.</li> <li>9) At least one PfSW representative will attend each AWWA Section meeting to promote the PfSW Program, solicit new membership, and offer assistance to existing members as they progress through the program phases.</li> </ol>	<p><b>Actual expenditures fiscal year to date:</b></p> <p><b>Noteworthy activities for the past six months:</b></p> <p><b>Projected activities for the next 12 months:</b></p> <p><b>Obstacles:</b></p>

		<ol style="list-style-type: none"><li>10) PA AWWA and PfSW representatives will plan and facilitate a PfSW Awards Ceremony during the PA Section AWWA Annual Conference to recognize recent accomplishments of PA's PfSW members.</li><li>11) PA AWWA and the PfSW representatives will plan and facilitate a full one day workshop for Distribution System PfSW members during the July through December quarters.</li><li>12) PfSW representatives will plan and facilitate a one-day workshop for PfSW Phase III members that focuses on promoting the President's Award and assisting Phase III members as they progress to this level of achievement and will be held during the January through June quarters.</li><li>13) PA AWWA and the PfSW representatives will meet at least semi-annually (preferably quarterly) to discuss the status of PA's PfSW program, projects, accomplishments to determine if grant commitments are being met and to plan upcoming PfSW activities.</li><li>14) Twice a year (July and January), submit a report to DEP which documents the major accomplishments during the past 6 months demonstrating that the above grant commitments were met. The report will also include the projected accomplishments for the upcoming 12 months.</li></ol>	
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**PA DEP DWSRF SET-ASIDES**  
**SECTIONS 1452(k)(1)(B) and (k)(1)(D) OTHER AUTHORIZED ACTIVITIES—15%**  
 These set-aside funds will be used to enhance ongoing program efforts relative to source water protection, capability enhancement, and operator training and certification. The funds need not be matched with state resources.

**Work Plan Component, Program, and Mechanism:**  
 Source Water Protection and Capability Enhancement; Maintenance Contracts (“Other” budget category), Equipment, and Supplies

<b>Grant or Contract Recipient:</b> Not applicable	<b>EPA Contact(s):</b> Kelly Moran / Bill Arguto	<b>State Contact(s):</b> Kheea Anderson / Kevin Anderson
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**Program Goal:**  
 To provide equipment and supplies in support of DEP staff whose positions are funded out of the 15% set-asides.

<b>Environmental Outcomes</b>	<b>Staffing, Subsidy or Contract Information</b>	<b>Outputs for State FY 2015 (July 1, 2014 thru June 30, 2015)</b>	<b>Status/Obstacles/Comments</b>
<p>Percent of community water systems where risk to public health is minimized through source water protection (measure SP-4(a)).</p> <p>Percent of the population served by community water systems where risk to public health is minimized through source water protection (measure SP-4(b)).</p> <p>Percent of population served by filter plants that have Commendable or Satisfactory Filter Plant Performance Evaluations (FPPE).</p> <p>Percent of filter plants that have Commendable or Satisfactory FPPEs.</p> <p>Percent of population served by PWSs that meet all health-based standards.</p> <p>The elimination of PWSs that are not technically, managerially, or financially</p>	<p>See Appendix B. A separate spreadsheet is provided that lists all the anticipated equipment and supplies purchases. If additional equipment or supplies is needed, the procedure for pre-approval of these purchases by EPA will be followed.</p> <p>A summary and justification for the supplies and equipment is included in the adjacent column.</p>	<p><b>Vehicles</b></p> <p>Six vehicles to support the Drinking Water Protection Initiative were purchased in the FY '07-08 fiscal year. Ongoing costs will be limited to the operation and maintenance of these vehicles.</p> <p>Justification: The program implementation activities will require the proposed new regional staff to travel a great deal across their respective region. To improve the effectiveness of these individuals, vehicles are included in the resource request to ensure that these staff has a dedicated means to travel to the systems throughout the region and to store and transport the necessary field equipment and technical information needed to perform their tasks. Without additional assigned vehicles, these individuals would have to compete with other staff for a very limited number of state vehicles that may or may not be available when needed, load and unload a "pool" vehicle each time it is used, etc. All of those activities take time away from the goals and objectives of these individuals; and, with no guarantee that a pool vehicle will be available, their efforts to be in the field when needed may be seriously impacted.</p> <p>Nine vehicles were purchased between 1998 and 2001 to support the Filter Plant Performance Evaluation (FPPE) program. These vehicles are used by program field staff traveling to systems to complete these evaluations. Most of these vehicles have since been replaced with new vehicles. However, a few of the original vehicles are still in use. Vehicles in the Northcentral and Southeast Regions will be replaced during FY '14-15 at an estimated total cost of \$53,000.</p> <p><b>Personal Computers</b></p> <p>Laptops, docking stations and monitors were bought for all the new regional field staff for the Drinking Water Protection Initiative in FY '07-08. The protocols followed for the purchase of these computers is to purchase computers for staff on a five year rotating</p>	<p><b>Computers and vehicles purchased during the past six-months:</b></p> <p><b>Projected purchases for the next 12 months:</b></p>

<p>capable to operate in compliance with all existing and new drinking water regulations through the design and construction of needed system upgrades and the improvement of system staff capabilities.</p> <p>A reduced risk to public health by more rapidly returning PWSs to compliance with regulations by addressing MCL violations, monitoring and reporting violations, and operational defects identified through inspections and sanitary surveys.</p>		<p>timeframe. In addition, this is the funding source for computer equipment for the FPPE program and Source Water Protection program staff. Computer replacements will be an ongoing budget item and purchases reported when completed.</p> <p>Personal Computers—Source Water Protection Staff</p> <p>Desktop computers and monitors are replaced every five years for staff funded in this workplan. Seven regional source water protection staff require computer replacements in FY '14-15 at an estimated total cost of \$8,200.</p> <p>Field Equipment and Supplies</p> <ul style="list-style-type: none"><li>• 2 Hach CL-17 chlorine residual analyzers – These analyzers will be an enhancement to our two existing distribution optimization evaluation equipment setups. Our distribution optimization program is refining our capabilities for conducting evaluations in distribution systems that use chloramination as a disinfectant. The Hach CL-17 is necessary to continually analyze and record total chlorine residual. The evaluation results will be used to assist water suppliers that use chloramination with consistently maintaining an optimized total chlorine residual which is necessary for protecting customers against pathogens and disinfection byproducts. The total cost is estimated at \$6,646.</li><li>• 12 Hach DR900 colorimeters – These colorimeters will be used in the FPPE program to replace antiquated Hach DR890s that are 15 years old. The total cost is estimated at \$15,000.</li></ul> <p>Continuing operation and maintenance costs for equipment and supplies purchased for the Drinking Water Protection Initiative, the FPPE program and the Distribution Optimization Program will be necessary. In addition, the following maintenance contracts are needed:</p> <ul style="list-style-type: none"><li>• Maintenance for Chemtrac PC2400D online particle counters – The counters were purchased in 2007 for the FPPE program to collect drinking water quality data from 349 surface water treatment plants throughout the state. The data is graphed and presented in a technical report to help water plant operators improve drinking water quality. The counters use a complex, high intensity laser/flow cell aperture which makes them extremely accurate and sensitive. In order for the counters to maintain accuracy and reliability, they need to be calibrated and maintained approximately every two years. The counters will need to be returned to the manufacturer due to the complexity of the calibration procedures and maintenance repairs. DEP proposes to send 14 sensors to Chemtrac Systems, Inc. each year for calibration, maintenance, and any manufacturer upgrades at a cost of \$6,780 per year.</li><li>• YSI-Storm – This software allows for the downloading of sampling data taken at remote locations for the Distribution Optimization Program without actually traveling to the sampling site at a cost of \$5,625.</li></ul>	
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