

Funding Opportunities for Source Water Protection (SWP) in Virginia



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Graphic Source: U.S. EPA SWP Website

Source Water Protection (SWP)

Why protect source water?

- Protect Public Health
- Build Community Trust
- Prevent Costs to the Waterworks and the Locality
- Reduce Water Treatment Costs



VDH's role in Source Water Protection

VDH must report and provide to EPA:

- Mapped source water assessment (SWAs)
- Number of public water systems (PWS) with completed assessments
- Most threatening and prevalent significant potential sources of contamination (PSCs)
- Percent of community water systems (CWS) with protection strategies in place being implemented
- Percent of community water systems (CWS) with protection strategies substantially implemented and the change in that number over time
- State source water protection activities

From Assessment to Protection

SWA = **S**ource **W**ater **A**ssessment

SWPP = **S**ource **W**ater **P**rotection **P**lan

SWPP Implementation = Putting Protection Plans Into Action



What does Substantial Implementation look like?

- Evaluation and Revision – We recommend every 3 years, identify **gaps** and shortcomings as well as changes in source water protection **threats and priorities**”

Substantial Implementation (SI)

Scenario 1

Community wells in the coastal plain may be deemed as having a Strategy In Place and Substantial Implementation status when the well is constructed pursuant to the Virginia Waterworks Regulations and supporting documentation exists.

This type of Substantial Implementation status does not expire unless there is evidence that well structure or aquifer has been compromised.

Substantial Implementation

Scenario 2

Community sources not meeting criteria under SI Scenario 1 may obtain Substantial Implementation status when:

a. A SIP is developed. *This is a one-time achievement applicable only for the first approved SIP.*

OR

a. A SIP is updated when it is more than 3 years old. *This cannot be the implementation action for two consecutive 3-year intervals.*

OR

a. One SIP recommendation or other protection/contingency measure is executed

What is the Source Water Protection Plan Process?

1. Develop a local advisory committee.
2. Educate the advisory committee
3. Review the source water assessment plan to identify key issues and challenges to developing and implementing a source water protection plan.
4. Identify and review source water protection options with the advisory committee.
5. Develop a source water protection plan with the advisory committee.
6. Develop a plan for implementing the source water protection plan.

Direct Technical Assistance

ODW can provide:

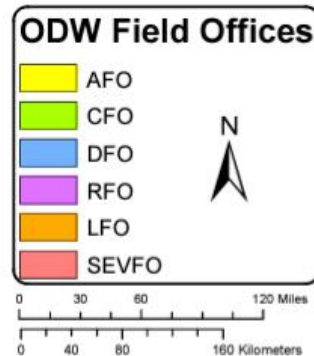
- General guidance
- Updated Source Water Assessments
- Source Water Protection Plan Forms
- Public education materials
- Funding information

The image shows the cover page of a 'Source Water Protection Plan' form. At the top, the title 'Source Water Protection Plan' is underlined. To the right of the title is a bracketed placeholder for a date: '[Date]'. Below the title, there are three lines of placeholder text: 'For [Waterworks Name]', '[PW/SID #]', and '[Location]'. Further down, it says 'Prepared by:' followed by a bracketed placeholder for a contractor logo: '[Contractor Logo, if appropriate]'. In the center of the page is the Virginia Department of Health (VDH) logo, which includes the text 'Funded by: VIRGINIA DEPARTMENT OF HEALTH', 'Protecting You and Your Environment', and the website 'www.vdh.virginia.gov'. Below this is the 'Office of Drinking Water' logo, featuring a blue water drop icon and the text 'Office of Drinking Water' and 'Safe Drinking Water for a Healthy Virginia'. At the bottom right of the page, it says 'Page 1 of 23'.

<https://www.vdh.virginia.gov/drinking-water/source-water-programs/source-water-protection-program/>

Source Water Assessments (SWA)

To request a copy of your SWA, contact your ODW Field Office



Office of Drinking Water

www.vdh.virginia.gov/odw

Central Office

109 Governor Street, 6th Floor
Richmond, VA 23219
Phone: (804) 864-7522
Fax: (804) 864-7521
Email: Dwayne.Roadcap@vdh.virginia.gov

Culpeper Field Office (CFO)

400 South Main Street – 2nd Floor
Culpeper, VA 22701-3318
Phone: (540) 829-7340
Fax: (540) 829-7337
Email: Jeremy.Hull@vdh.virginia.gov

Richmond Field Office (RFO)

109 Governor Street, 6th Floor
Richmond, VA 23219
Phone: (804) 864-7409
Fax: (804) 864-7520
Email: James.Reynolds@vdh.virginia.gov

Lexington Field Office (LFO)

131 Walker Street
Lexington, VA 24450
Phone: (540) 463-7136
Fax: (540) 463-3892
Email: Steve.Kvech@vdh.virginia.gov

Abingdon Field Office (AFO)

407 East main Street, Suite 2
Abingdon, VA 24210
Phone: (276) 525-6148
Fax: (276) 676-5659
Email: David.Dawson@vdh.virginia.gov

Danville Field Office (DFO)

211 Nor Dan Drive, Suite 1040
Danville, VA 24540
Phone: (434) 836-8416
Fax: (434) 836-8424
Email: Ray.Weiland@vdh.virginia.gov

Southeast Virginia Field Office (SEVFO)

830 Southampton Avenue, Room 2058
Norfolk, VA 23510
Phone: (757) 683-2000
Fax: (757) 683-2007
Email: Daniel.Horne@vdh.virginia.gov



The mission of the Office of Drinking Water is to protect public health by ensuring that all people in Virginia have access to an adequate supply of affordable, safe drinking water that meets federal and state drinking water standards.



<https://www.vdh.virginia.gov/drinking-water/contact-us/>



ODW Source Water Protection Assistance

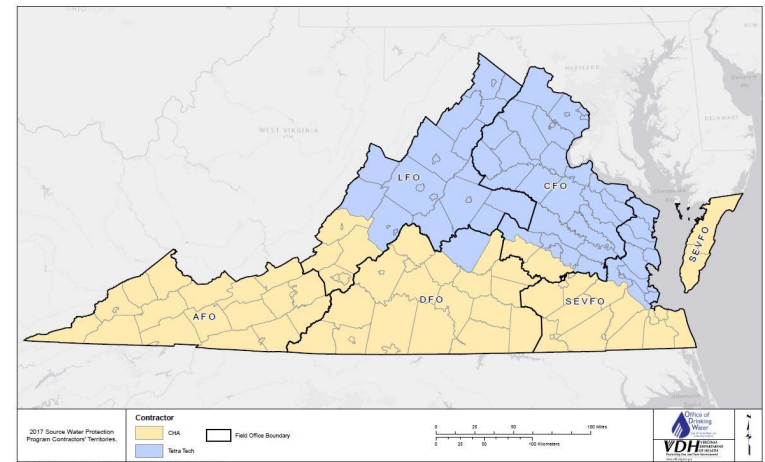
- **SWP Contractors** (pop.<50,000):
SWPP development and implementation assistance
- **Direct Technical Assistance**
(pop.>50,000)
- **Source Water Protection Implementation Grants**
- **Grant writing assistance** to other programs.



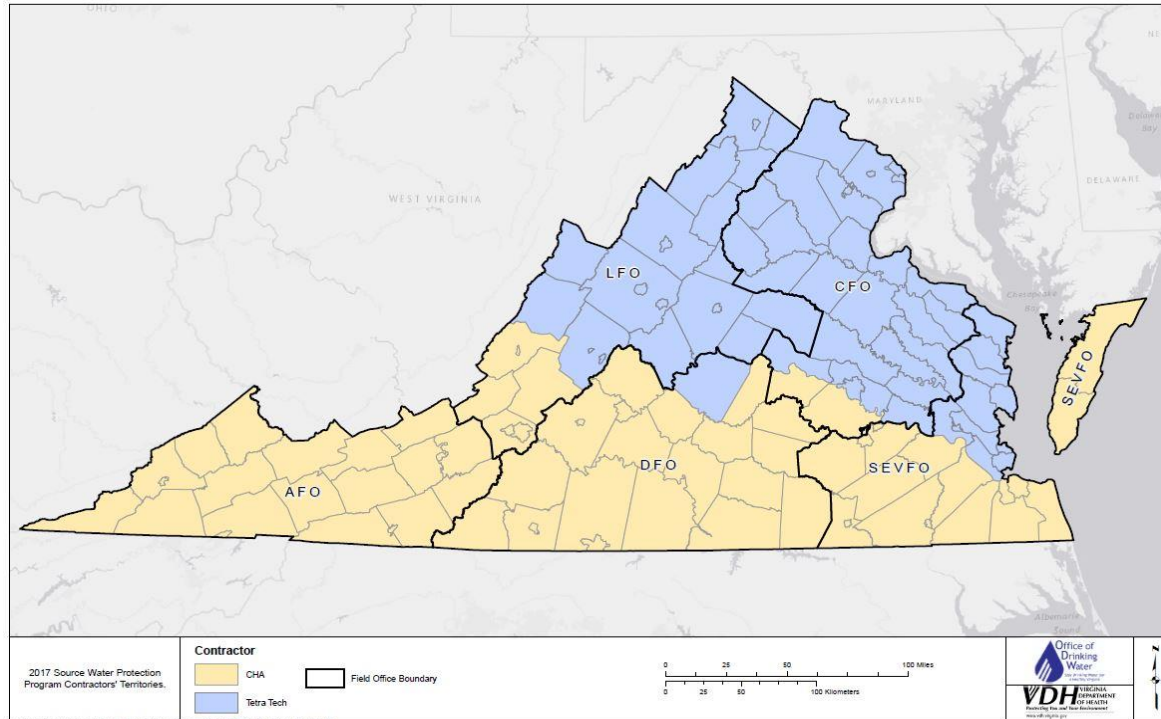
<https://www.vdh.virginia.gov/drinking-water/source-water-programs/source-water-protection-assistance-funding-opportunities/>

ODW SWP Contractors

- Free to community waterworks serving
<50,000
- Assists waterworks in:
 - Forming LACs
 - Developing SWPPs
 - Implementing Protection Plans, examples:
 - Grant Application Writing
 - Developing Public Education



ODW SWP Contractors



- **Tetra Tech – Cori Edwards**
681-313-4277 Cori.edwards@tetrattech.com
- **CHA – Amanda Marsh**
540-552-5548 Amarsh@chacompanies.com
- **CHA- Ashley Ruble**
540-259-8813 Aruble@chacompanies.com

Role of Contractor Vs. Waterworks

The SWP Contractor's role will be:

- Facilitate identification of the advisory committee;
- Participate in committee meetings;
- Provide education and technical support;
- Assist in the preparation of the source water protection plan, and;
- Provide guidance for the implementation of the program.

Role of Contractor Vs. Waterworks

The role of the Waterworks will be:

- Participate in the program development meetings;
- Assist in the development of the source water protection plan;
 - by providing any needed and available information;
 - by providing input on the plan development and implementation; and
- Implement the plan.

Virginia Department of Health's role will be to provide continued funding and support for source water protection activities

Strategy in Place

VDH Source Water Protection Program Definitions

Protection Strategy In-Place (SIP): Defined as a document or set of documents established by or for a community waterworks that addresses the following four source water protection elements¹:

1. A delineation of the source assessment area (for surface based systems, this is the watershed; for groundwater based systems this may be the fixed radius method or a more technically defensible delineation of a well's recharge area)
2. Inventory of major potential sources of contamination (PSCs) within their source(s) delineation(s)
3. Recommended actions to eliminate/reduce the risks of impact by PSCs
4. Contingency plan to address contamination events

Examples of SIP include, but are not limited to:

- Source Water Protection Plan (SWPP) developed through one of VDH's assistance programs or other means
- Source Water Assessment Report (SWAR) issued after January 1, 2015
- Local or Regional Water Supply Plans submitted to the Virginia Department of Environmental Quality ([9VAC25-780](#)) when protection strategies are specifically referenced
- Any combination of programs or ordinances focused on watershed or wellhead protection (e.g., environmentally oriented or citizen groups, stormwater best management practices (BMPs), agricultural BMPs, etc.)

Waterworks are encouraged to contact the VDH while developing or updating a SIP. VDH can provide technical assistance to support the efforts.

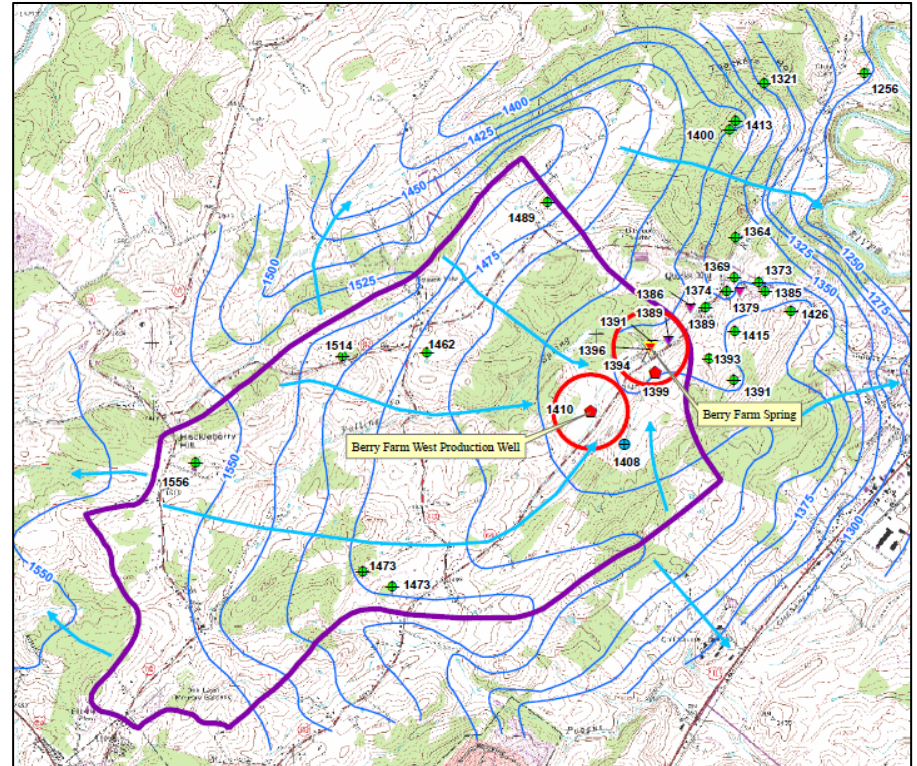
Source Water Protection Implementation Projects Grants

Funds implementation activities of community waterworks with:

- groundwater & surface water sources
- protection plans
- active advisory committees

[SWP Grant Application](#)

Applications Due May 1,
2024



Additional Source Water Protection Funding Sources

Land Protection Funding

- [Drinking Water State Revolving Fund \(SRF\)](#) – ODW
- [Clean Water SRF Land Conservation Program](#) – DEQ
- [Virginia Land Conservation Foundation](#) – DCR
- [The Land and Water Conservation Fund State and Local Assistance Program](#) – DCR
- [Healthy Watersheds Consortium Grant](#) – US Endowment for Forestry & Communities, Inc.
- [North American Wetlands Conservation Grants](#) – US Fish and Wildlife Service
- [Virginia Department of Forestry funding programs](#)

BMP Funding

- Practices for preventing nonpoint source pollution
- Used in the treatment of agricultural and urban stormwater
- Funding Sources:



- [Nonpoint Source Management Implementation Grant Program](#) – DEQ
- [Clean Water SRF Stormwater Program](#) – DEQ
- [Stormwater Local Assistance Fund](#) – DEQ

Other SWP Funding Opportunities

- [Urban Waters Small Grants Program](#) – EPA
- [Regional Conservation Partnership Program](#) – US Department of Agriculture
- [Five Star and Urban Waters Restoration Grants](#) – National Fish and Wildlife Foundation
- EPA - [Water Finance Clearinghouse](#)



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Summary

Who may apply to the SWP Grant?

Eligible applicants for Source water protection grants are a municipality or service authority owning or operating a groundwater/Surface water based community water system(s) and with a SIP and an active SWPC.

VDH-ODW may fund source water protection plans and the implementation of certain protection measures for waterworks who meet the following criteria:

- Classified as a Community waterworks,
- Serve less than 50,000 people, and
- Process water directly from a drinking water supply source

Who is not eligible?

Individuals, private for-profit firms, and unincorporated citizen groups are NOT eligible for grants under this program; municipalities or service authorities that are not operating a ground or surface water based community water system are NOT eligible for grants under this program.

For further questions or information on
source water protection assistance,
contact:

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