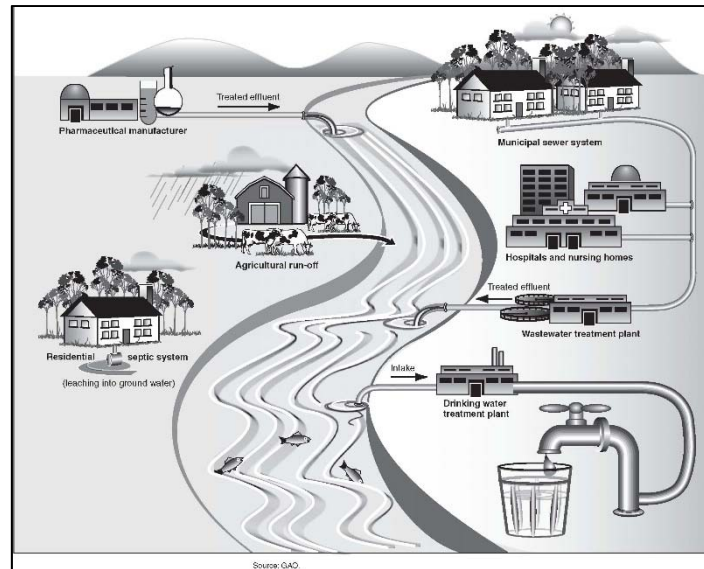


Source Water Protection Funding



By Aaron Moses,
Source Water Programs Manager
Division of Technical Services
Office of Drinking Water

Source Water Protection

Why protect source water?

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



From Assessment to Protection

SWA = Source Water Assessment

SWPP = Source Water Protection Plan

SWPP Implementation = Putting Protection Plans Into Action



Source Water Assessments

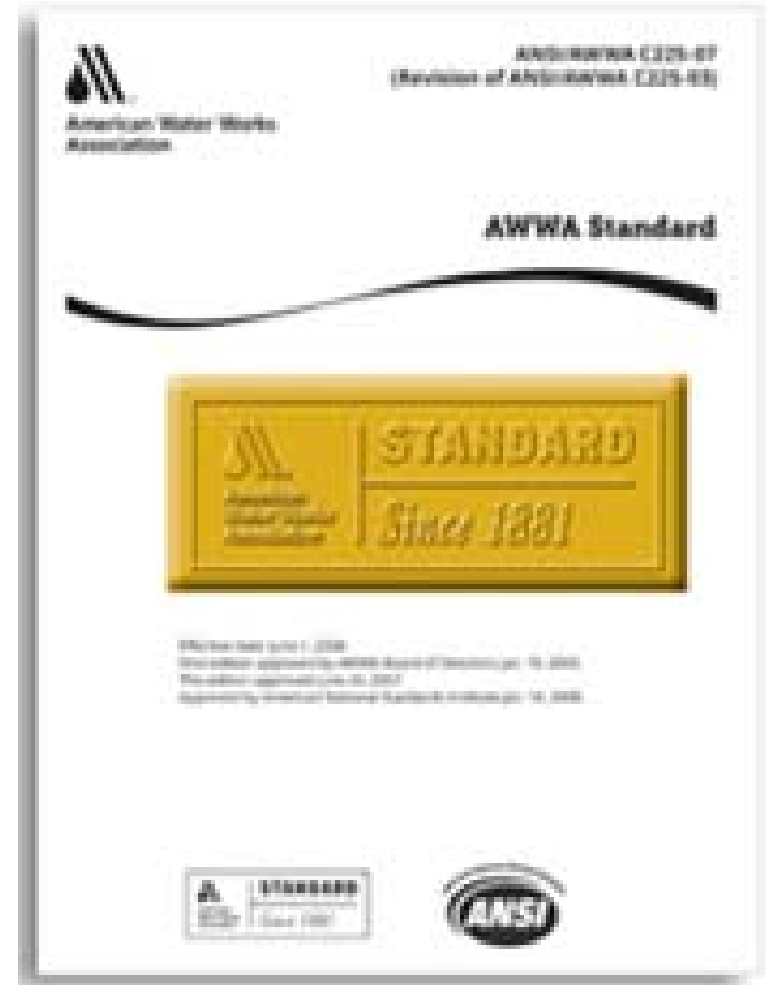
- Updates available from ODW
- Includes:
 - Susceptibility determination
 - Assessment area delineation
 - Potential Sources of Contamination
 - Map
 - Inventory
 - Summary
 - Land Use map



Source Water Protection

AWWA G300 Standard

- Planning
 - Vision and Stakeholder Involvement
 - Source Water Characterization
 - Protection Goals
 - Action Plan
- Program Implementation
- Evaluation and Revision



ODW Source Water Protection Assistance

ODW Assistance and Funding:

- SWP Contractors (pop.<50,000):
SWPP development and implementation assistance
- Direct Technical Assistance (pop.>50,000)
- Wellhead Protection Implementation Grants

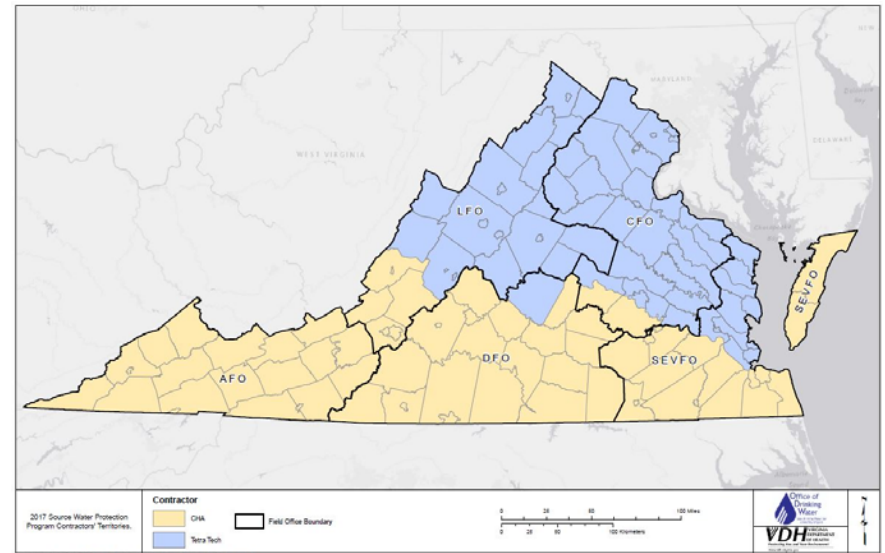


For more information, see:

<https://goo.gl/rPncAo>

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
- Tetra Tech - Aileen Molloy
(703)385-2037 aileen.molloy@tetrattech.com



Direct Technical Assistance

ODW can provide:

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

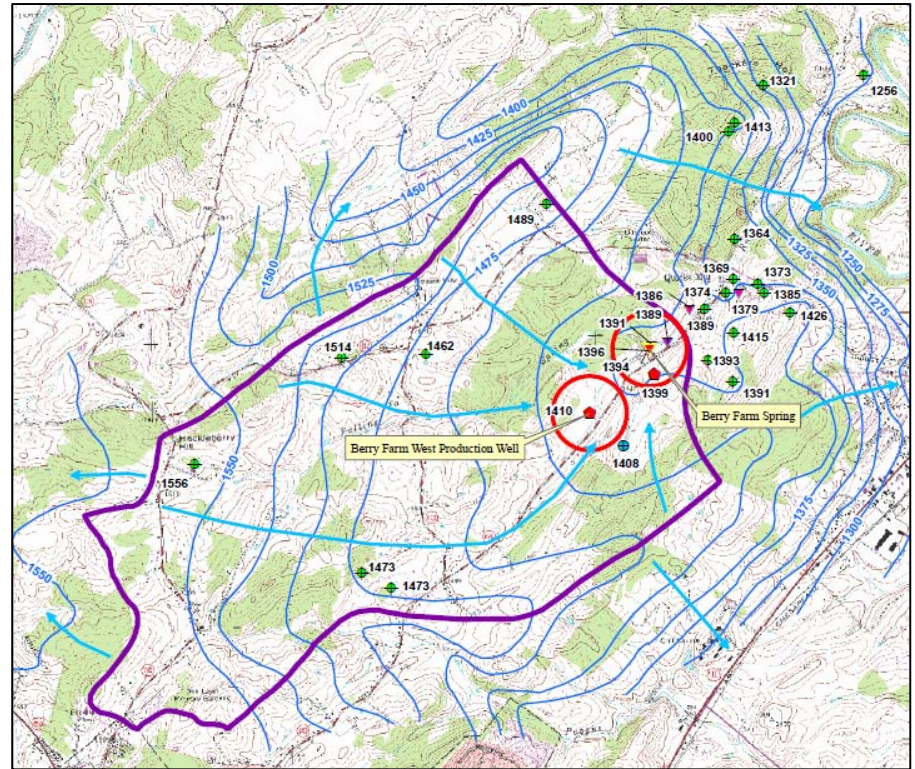
The image shows the cover page of a 'Source Water Protection Plan' form. At the top, the title 'Source Water Protection Plan' is underlined. To the right of the title is a bracketed field for '[Date]'. Below the title, there is a section for 'For' followed by three bracketed fields: '[Waterworks Name]',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

For more information, see: <https://goo.gl/fWx8r6>

Wellhead Protection Implementation Projects Grants

Funds implementation activities of community waterworks with:

- groundwater sources
- protection plans
- active advisory committees



Land Protection Funding

- Could cover:
 - Purchase
 - Conservation easements
 - Restoration
 - Enhancement
- Most cost effective for small watersheds and critical buffer zones



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



SWP Funding for Landowners

- Determine if underutilized in protection area, contact:
 - VA USDA - patrick.vincent@va.usda.gov
 - Local Soil and Water Conservation District
- ODW contractors may be able to assist in developing public education

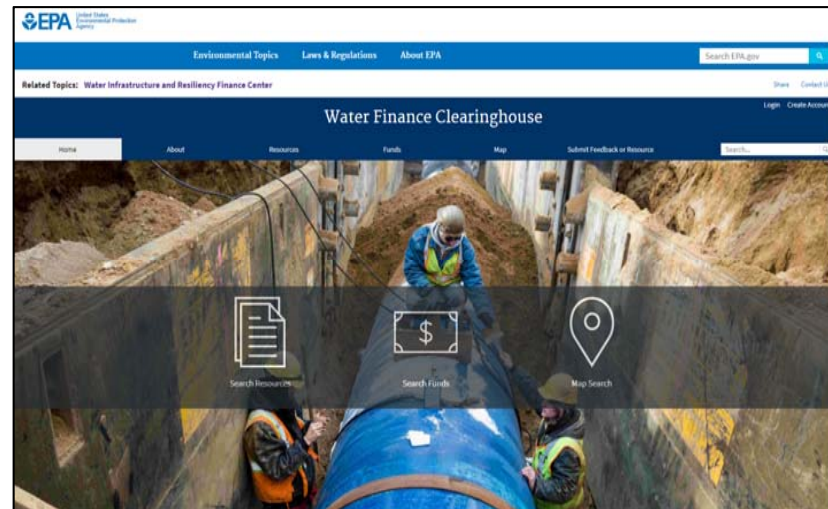


Other SWP Funding Opportunities

- 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

<https://goo.gl/TobJDC>



Questions?

For further questions or information on
source water protection assistance, contact:
Aaron Moses, PE, VCA
(804)864-7492

Aaron.Moses@vdh.Virginia.gov