



Source Water Assessment and Protection

LESSON PLAN

Overview:

This workshop provides an overview of Source Water Assessment and Protection, aimed specifically at small water systems. Topics covered include defining a source water protection area, identifying and ranking the potential threats, elements of a source water protection plan and engaging the public. Participants will also learn about how to access additional resources pertaining to source water assessment and protection.

Learning Objectives:

At the completion of this lesson, participants should have the ability to:

1. Recognize the importance of source water protection
2. Utilize the state's source water assessment program (SWAP) to evaluate your source water protection needs
3. Apply strategies and tools to improve protection of drinking water sources
4. Identify the key components of a source water protection plan (SWPP)
5. Communicate with the public to inform and engage them in source water protection efforts

Materials Needed:

- PowerPoint presentation
- Participant handouts, pre- and post-tests

Agenda:

Agenda development is based on a 120-minute lesson:

- 5 min - Introduction
- 10 min - Source Water Protection (SWP)
- 5 min - Knowledge Checkpoint: Source Water Protection Benefits
- 8 min - Source Water Assessment Programs (SWAP)
- 3 min – Knowledge Checkpoint: EPA requirements
- 3 min - Source Water Assessment Reports
- 5 min – Knowledge Checkpoint: Source Water Assessment Reports
- 20 min - Conducting Source Water Assessments
- 15 min – Activity: Susceptibility Analysis
- 10 min - Creating a Source Water Protection Plan (SWPP)
- 15 min – Activity: Protective Strategies
- 5 min - Engaging the Public in Source Water Protection
- 5 min – Activity: Getting the Word Out
- 1 min - Consumer Confidence Reports
- 5 min – Activity: Discussion of Local Issues
- 1 min - Summary / Q&A
- 1 min - Additional Guidance and Resources

Evaluation: Pre- and post-tests will be administered before and after the workshop along with the other lessons' questions.