

Drinking Water Quality Management Planning

*Grass Roots, Community Based Planning
for
Drinking Water Source Protection*

What is DWQMP?

Locally developed drinking water quality implementation plan that:

- Empowers
- Coordinates
- Integrates
- Plans
- Is Transparent
- Is Implemented
- Is Recognized
- Vision – utilize DQWMP to protect all public drinking water sources

Why DWQMP?

- An adequate supply of potable water is vital
- More intense development and has and will continue to take place
- Long-term water quality preservation is necessary
- **Mission:** Integrate DWQMP into state statutes

DWQMP Development

Options	
1.	Feds - EPA
2.	State
3.	Local Regulations
4.	Locally Developed Plan, state recognized, provides maximum flexibility

History

- The state's public drinking water supplies are high quality supplies with few water quality issues
- Historically low density land uses generally located in the more rural areas of the state
- Expansion of higher density development in these areas are challenging long-term source water protection
- Drinking water quality and the protection of public health are taken for granted

Why Public Health?

- Public drinking water is a consumable product that can affect public health
- Drinking water that is contaminated at the source or inadequately treated can endanger public health and increase the risk of waterborne diseases
- Reliance on treatment technology alone to remove contaminants that can cause disease has technical limitations, costly to construct and operate, and is contrary to existing state policy

Why Public Health?

- Emerging contaminants whose occurrence, health effects, and susceptibility to treatment are not fully known (e.g. pharmaceutical contaminants, endocrine disruptors, etc.)
- Protection starting at the source is a vital component of the new national EPA strategy, which encompasses a multiple barrier approach for public health protection
- Source water protection serves as the initial barrier to prevent contaminants from entering water supplies and to maximize the efficiency and effectiveness of water treatment technologies

How to Implement DWQMP?

- Create a stakeholder partnership to study, develop and implement effective and efficient public health planning tools for protecting the purity and adequacy of the state's public drinking water supplies
- Develop a DWQMP pilot implementation plan
- Submit recommended statute changes to legislative committees for consideration of statewide implementation

Elements of the DWQMP

- community based, allowing for community empowerment
- development of planning and implementation team
- stakeholder identification and involvement
- local municipal and public water system partnerships
- water quality tracking and protection measures
- proactive local land use planning and strategies
- best management practices
- preservation and protection of critical land areas
- public water and sewer identified growth areas

Elements of the DWQMP continued

- low impact development techniques
- storm water management and controls
- recreational opportunities
- water quality controls for existing develop
- non-point source management
- water quality education
- integration of other water quality programs
- implementation components
- ongoing implementation team meetings