



pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Bureau of Safe Drinking Water



Nitrification Control Plans

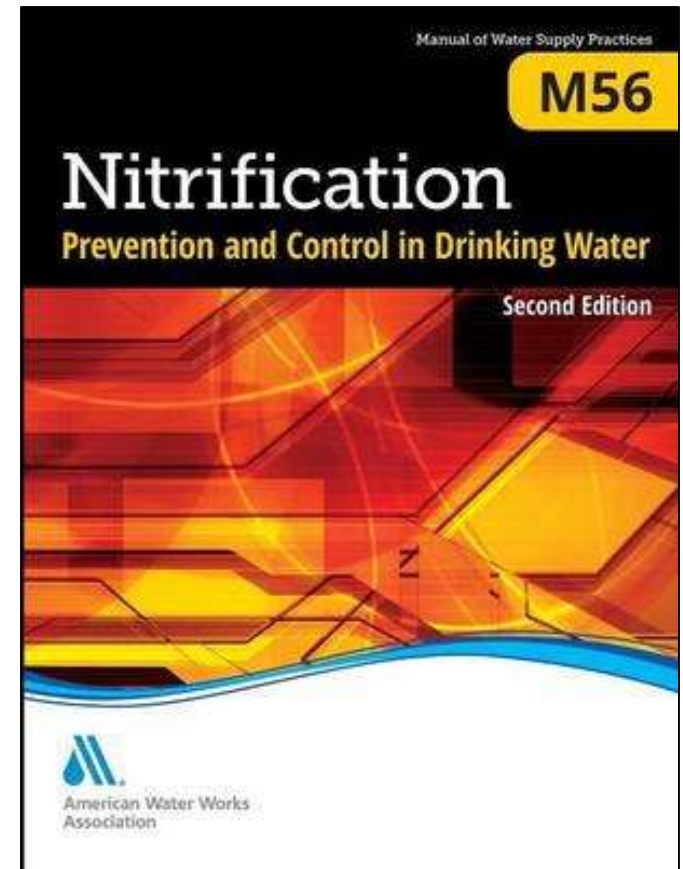
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Nitrification Control Plans

- Required by 25 Pa. Code §109.716 for public water systems that use or purchase chloraminated water
- Plans are required by April 29, 2019
- Must conform to industry standards such as AWWA Manual M56



Nitrification Control Plans

- System specific monitoring plan
- List of parameters that will be monitored, such as:
 - pH, free ammonia, total chlorine, monochloramine, HPC, nitrite, and nitrate
- The monitoring locations
- The monitoring schedule
- Response plan
 - Expected water quality ranges and action levels

Nitrification Control Plans

- Shall be implemented in accordance with accepted practices of the water supply industry
- Shall be reviewed and updated as necessary
- Shall be retained onsite and made available to the Department upon request

DEP Template & Instructions

- Assist systems in the development of a comprehensive monitoring and water quality management plan
- Systems that have already developed a plan should ensure that it meets the minimum requirements
- Guidance for both treatment plants and distribution systems
- Can be used by systems that produce chloramines as well as consecutives

DEP Template & Instructions

- Comprehensive overview and background
 - Basic system information
 - Monitoring location selection
 - Key parameters and descriptions
 - Response plan
 - Goals, alert and action levels, and responses
 - Example monitoring frequencies, goals, and response levels

DEP Template & Instructions

- Does not supersede monitoring required by permit or regulation
- Refer to industry guidelines to assist in determining monitoring parameters, locations, frequencies, and response actions
- Template and instructions were presented at the January 31, 2019 TAC Board Meeting
 - Comments and feedback were incorporated
- Documents are expected to be finalized by the end of March

Questions & Additional Information

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