

Cross Connection Control Program Proposal Plan for City Of Needles Ca
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This Plan is to comply with section 3.1.4 of the Cross Connection Control Policy Handbook(CCCPH), each public water system must submit a written Cross Connection Control Plan to the state water board for review. This is a plan proposal that will need approval from the state and the state may approve or request changes to this plan.

Introduction

Cross connection control program proposal for The City of Needles California. The city water system has a total of, 22 city owned connections 322 commercial connections 1725 residential connections 3 operating Wells. The city of Needles will adopt The cross connection policy handbook. The city currently has a backflow prevention program already in place and a survey will be done for all water meters and sites within the city water system boundaries. To ensure the safety of the potable water supply in Needles, California, it is critical to implement a Cross Connection Control Program (CCCP). This proposal outlines a comprehensive strategy to enhance existing measures, including the adoption of a Cross Connection Policy Handbook. The current Backflow Prevention Program will stay in place and be mortified if needed after the cross connection survey is complete.

Current Configuration

- City-Owned Connections: 22
- Commercial Connections: 322
- Residential Connections: 1725
- Operating Wells: 3
- Recycled Water systems 0
- wastewater/ sewer treatment faculties 1

Objectives

1. Protect Public Health: Safeguard the drinking water supply from contamination and pollution due to cross connections.
2. Enhance Regulatory Compliance: Ensure adherence to state and federal regulations regarding cross connection control.
3. Conduct Comprehensive Surveys: Survey all water meters and sites within city boundaries to identify potential cross connection or backflow risks.
4. Strengthen Public Awareness: Educate the community about the importance of cross connection control and backflow prevention.

Proposed Program Components

1. Adoption of Cross Connection Policy Handbook

- The city will adopt the comprehensive Cross Connection Policy Handbook that outlines procedures, responsibilities, and regulatory requirements for managing cross connections.
- The handbook will serve as a reference for city staff, property owners, and contractors involved in water supply management. The City will adopt the current Cross Connection Policy Handbook and make changes to the program as the handbook makes updates.

2. The Cross Connection Policy Handbook will serve as the cornerstone of the program. It will include:

- Definitions of cross connections and backflow.
- Requirements for identifying and eliminating cross connections.
- Guidelines for installing, testing, and maintaining backflow prevention devices.
- Roles and responsibilities of city staff, property owners, and contractors.
- Procedures for reporting and addressing violations.

3. Comprehensive Survey of Water Meters and Sites

- Conduct a detailed survey of all water meters and sites within the city water system boundaries to identify potential cross connections.
- Assess the risk levels of each connection type (city, commercial, residential) and document findings.
- Use survey results to prioritize installations, inspections and interventions.

4. Inspection Installation and Testing Schedule

- Establish a routine inspection and testing schedule for backflow prevention devices:
 - All Backflow devices : Annually
 - All Commercial properties will have a initial hazard assessment
 - All Commercial properties will have a hazard assessment at the time any change of occupancy
 - All properties that boarder any river, lake or pond will have a site inspection to ensure nothing has been added to the system Example any water used from the river, lake, or pond annually or as the water purveyor sees needed.
 - All Commercial properties and all required properties per the Cross connection policy handbook will be required to install a proper backflow device at the proper connection location.

5. Training and Education

- Provide ongoing training for city staff, commercial property owners, and contractors on cross connection control and backflow prevention best practices.
- Develop educational materials and outreach programs to inform residents about the importance of preventing cross connections and maintaining backflow prevention devices.

6. Compliance and Enforcement

- Implement compliance measures to ensure adherence to the Cross Connection Policy

Handbook:

- Regular audits of commercial properties.
- Penalties for non-compliance and incentives for proactive measures.

7. Monitoring and Reporting

- Establish a monitoring system to track the effectiveness of the CCCP, including records of inspections, testing results, and compliance status.
- Prepare annual reports to assess progress and identify areas for improvement.

8. Backflow Prevention Program

The City of Needles already has a Backflow Prevention Program in place, which will be enhanced as part of the CCCP. Key components of the program include:

- Risk Assessments: Classify connections based on risk levels (e.g., low, medium, high) and require appropriate backflow prevention devices.
- Device Installation: Mandate the installation of backflow prevention devices at all required connections (e.g., commercial properties, any connection located on or at a river, pond, lake and industrial facilities).
- Annual Testing: Require annual testing of backflow prevention devices by certified ANSI approved testers having a current AWWA testers cert.
- Record Keeping: Maintain records of all backflow prevention devices, including test results and maintenance logs.

9. Comprehensive Citywide Survey of Water Meters and Sites

To identify potential cross connections, the City of Needles will conduct a comprehensive survey of all water meters and sites within city water service boundaries. The survey will:

- Map all water meters, connections, and water sources (e.g., wells, reservoirs).
- Identify potential cross connections and backflow risks.
- Prioritize high-risk locations for immediate action.
- The survey results will be used to develop a targeted inspection and enforcement plan.

10. Inspection and Enforcement

- The City of Needles will establish a routine inspection schedule to ensure compliance with the Cross Connection Policy Handbook and Backflow Prevention Program. Key activities include:
 - Routine Inspections: Conduct regular inspections of all connections, focusing on high-risk locations.
 - Compliance Monitoring: Track compliance with backflow prevention device testing and maintenance requirements.
 - Enforcement Measures: Issue citations or fines for non-compliance and provide incentives for prompt corrective action.

11. Public Education and Outreach

- Public awareness is critical to the success of the CCCP. The City of Needles will:
- Develop educational materials (e.g., brochures, fact sheets) explaining the risks of cross connections and the importance of backflow prevention.
 - Host workshops and informational sessions for property owners, businesses, and residents as needed.
 - Use social media, newsletters, and public announcements to promote the program.

12. Budget and Implementation Plan

The implementation of the CCCP will require a budget to cover the following costs:

- Survey Costs: Equipment, personnel, and data analysis for the citywide survey.
- Training Costs: Training for city staff as needed
- Enforcement Costs: Personnel to conduct inspections and enforce compliance.
- Public Outreach Costs: Development and distribution of educational materials.
- Initial Costs: Investment in survey equipment, educational materials, and training programs.
- Ongoing Costs: Routine inspections, maintenance of records, and public outreach efforts.

The handbook will be available to all stakeholders, including city employees, commercial property owners, and residents.

The program will be phased in over a two-year period, with the survey and policy adoption completed within the first year.

Conclusion

The proposed Cross Connection Control Program for the City of Needles, California, aims to strengthen the protection of the potable water supply through comprehensive policies, proactive surveys, and community engagement. By adopting the Cross Connection Policy Handbook and enhancing the Backflow Prevention Program, the city can effectively manage cross connection risks and ensure the health and safety of its residents.

Overall, this proposal should be a roadmap for the city to follow, ensuring that their water supply remains safe and free from contaminants. It should be detailed enough to guide the implementation but flexible enough to adapt to any changes or challenges that arise during the process.

The City of Needles, California, recognizes the importance of protecting its potable water supply from contamination caused by cross connections. Cross connections occur when a non-potable water source is connected to the potable water system, creating a potential pathway for backflow or back siphonage of contaminants. To safeguard public health, the City of Needles will adopt a comprehensive Cross Connection Control Program (CCCP) that aligns with state and federal regulations. This proposal

outlines the steps to implement the program, including the adoption of a Cross Connection Policy Handbook, the enhancement of an existing Backflow Prevention Program, and the conduct of a citywide survey of water meters and sites.

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