RESOLUTION NO. 26-050

RESOLUTION OF THE COUNCIL OF THE CITY OF DIXON TO ADOPT A RESOLUTION APPROVING THE UPDATED CROSS-CONNECTION CONTROL AND BACKFLOW PREVENTION PLAN, REFERENCED IN ORDINANCE 14.02.1150.

WHEREAS, in 2017, the State conducted its tri-annual Sanitary Survey of the City's Public Water System. At that time, direction was given by the State that the City of Dixon was to develop a Cross-Connection Control Program; and

WHEREAS, in 2021, the first Cross-Connection Control Program Plan was adopted by the City Council, resolution 21-061, and referenced in City ordinance 14.02.1150; and

WHEREAS, in July 2024, the State Water Resources Control Board (SWRCB) Cross-Connection Control Policy Handbook (CCCPH) went into effect. The new policy handbook replaced Title 17 as the regulations for Cross-connection control; and

WHEREAS, to comply with the updated regulations, the City revised its internal Cross-Connection Control and Backflow Prevention Plan. A draft was submitted to the State in October 2025, with State approval in February 2026; and

WHEREAS, City Staff is requesting the council resolve to adopt the updated version of the Cross-Connection Control and Backflow Prevention Plan, referenced in the City Ordinance 14.02.1150 CROSS-CONNECTION CONTROL AND PREVENTION OF BACKFLOW STANDARDS, OF TITLE 14, WATER AND SEWERS, OF THE DIXON MUNICIPAL CODE; and

NOW, THEREFORE, BE IT RESOLVED that the Council of the City of Dixon approves the updated Cross-Connection Control Plan, referenced in ordinance 14.02.1150.

PASSED AND ADOPTED AT A REGULAR MEETING OF THE CITY COUNCIL OF THE CITY OF DIXON ON THE 3RD DAY OF MARCH 2026, BY THE FOLLOWING VOTE:

AYES: Hendershot, Johnson, Ernest, Bird
NOES: None
ABSTAIN: None
ABSENT: Bogue

ATTEST:

Kristin M. Janisch
Elected City Clerk
for:

Steven C. Bird
Mayor

City of Dixon Public Water System CA4810009

Cross-Connection Control and Backflow Prevention Plan

RESOLUTION NO. 26-050

DATE: MAR 03 2026

- **Original Plan Adopted by City Council: March 2021 (Resolution No. 21-061)**
- **Revised Plan Submitted and Approved By the SWRCB: February 2026**
- **Revised Plan Approved by the City Council: March 3, 2026 (Resolution No. ??-???)**

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1. Introduction

The City Council shall adopt a Cross-Connection Control Plan in accordance with the State Water Resources Control Boards (SWRCB) Cross-Connection Control Policy Handbook (CCCPH). The Cross-Connection Control Plan shall be updated, from time to time, by action of the Council. The Cross-Connection Control Plan establishes the City's requirements for cross-connection control, hazard assessment, incident response and backflow prevention including design, construction, installation, and maintenance of backflow prevention assemblies. The City shall submit this plan to the SWRCB and all updates shall be submitted to the SWRCB for review and approval.

1.1 Purpose

The purpose of this Plan is to protect the potable water supply of the City of Dixons Public Water System from contaminants, pollutants, or water from unapproved sources entering the City's water distribution system through an actual or potential cross-connections. Any person receiving or using water from the City's water system shall comply with all provisions of the City's current Cross-Connection Control Plan, and the violation of any provision thereof shall constitute an infraction. In the event a water customer is found to be in violation of this Cross-Connection Control Plan, water service may be terminated. The foregoing provisions shall be cumulative and in addition to any other remedy provided under any applicable law or regulation.

1.2 Objectives

To protect the City's Public Water System, the City of Dixon, hereby referred to as "City", has adopted Resolution No. 21-061, referencing Ordinance 14.02.1150 and this Cross-Connection Control and backflow prevention plan "plan" or "program".

The objectives of this plan are to:

- Protect the public water system at the service connection against any actual or potential cross-connection between the public water system and any source or system containing any substance that is not, or cannot be, approved as safe, wholesome, and potable for human consumption.
- Define City and Customer responsibilities relating to the protection of the Public Water System.
- Outline criteria determining when backflow protection is required, and the degree of protection required.
- Define the process for Hazard Assessments as required by the CCCPH.
- Specify requirements for backflow prevention assemblies to protect the water system.
- Identify personnel responsible for responding to and reporting cross-connection and backflow incidents.
- Outline public outreach, reporting and record keeping for cross-connection control.
- Comply with federal, state, and local laws and policies and to allow the City to meet applicable regulatory requirements and standards.

All Customers of the City's Water System are subject to the conditions of Resolution No. 21-061, City Ordinance 14.02.1150 and this Plan, as set forth herein, as well as the SWRCB CCCPH, and CA-SWRCB (AB-1671), which requires the City to comply with Public Law 99-339 - 1986 Amendments of the Safe Drinking Water Act of 1974, as they are now constituted, or as they may hereafter be amended or recodified.

1.3 Administration

Unless otherwise specified, City staff shall administer, implement, and enforce the provisions of this Plan. Any powers granted to, or duties imposed by the City Manager may be delegated to an authorized employee.

1.4 Preparation and Revisions

This Plan was prepared in collaboration between City Water Operations and Mitch Prather of C&M Backflow, Inc. The Plan was designed to comply with the State Water Resources Control Board Cross-Connection Control Policy Handbook, incorporated as Appendix A, and shall be revised from time to time, by action of the Council.

2. Terms and Definitions

- **"Air-Gap Separation"** or **"AG"** shall mean a physical vertical separation between the free-flowing discharge end of a potable water supply pipeline and an open or non-pressurized receiving vessel. The air gap shall be at least double the diameter of the supply pipe measured vertically above the top rim of the vessel, and in no case less than one inch.
- "**Approved Backflow Prevention Assembly**" or "**ABPA**" shall mean any assembly that is currently a City Approved Backflow Prevention Assembly and that has passed laboratory and field evaluation tests performed by a recognized testing organization which has demonstrated their competency to perform such tests to the California State Water Resource Control Board.
- "**Auxiliary Water Supply**" means any water supply on, or available to the premises, other than the City's potable water supply. Auxiliary water supply may include, but is not limited to, water from another purveyor's potable water system, water held in storage tanks, or any natural source(s), e.g., a well, river, harbor, recycled water, pipeline; grey water; or industrial fluids. These waters may be contaminated, polluted, and objectionable or constitute an unacceptable water source over which the City does not have sanitary control.
- "**AWWA standard**" shall mean an official standard developed and approved by the American Water Works Association (AWWA).
- "**Backflow**" shall mean a flow condition, caused by a differential in pressure that causes the flow of water or other liquids, gases, mixtures, or substances into the distributing pipes of a potable supply of water from any source or sources other than an approved water supply source.

- "**Backflow Prevention Assembly Tester**" a person with a current and valid CA-NV AWWA "Backflow Prevention Assembly General Tester" certification and a current and valid backflow gauge calibration certification.
- "**Backpressure**" means a form of backflow that occurs when pressure in the downstream piping system (caused by pump, elevation of piping, steam and/or air pressure) is above the supply pressure at the point of consideration resulting in a reversal of the normal flow.
- "**Back-Siphonage**" means the form of backflow due to a reduction in system pressure that causes a negative or sub atmospheric pressure to exist at a site in the City's potable water system.
- "**CA-NV AWWA**" California Nevada American Water Works Association
- "**CCCPH**" The State Water Resources Control Board adopted Cross-Connection Control Policy Handbook
- "**Contaminant**" shall mean a degradation of the quality of the potable water by any foreign substance which creates a hazard to the public health, or which may impair the usefulness or quality of the water.
- "**Controlled Cross-Connection**" means a connection between the City's potable water system and a non-potable water system with an ABPA properly installed and maintained so that it will continuously provide the protection commensurate with the degree of hazard.
- "**Cross-Connection**" shall mean any unprotected actual, or potential, connection between a potable water system used to supply water for drinking purposes and any source or system containing unapproved water or a substance that is not, or cannot be approved as safe, wholesome, and potable.
  *By-pass arrangements, jumper connections, removable sections, swivel or changeover assemblies, or other assemblies through which backflow could occur, shall be considered a cross-connections.
- "**Cross-Connection Control Specialist**" or "**CCCS**" shall be a person with a current CA-NV AWWA "Cross-Connection Control Program Specialist" certification.
- "**Customer**," "**Consumer**," or "**User**" someone who is served by the City of Dixon's Public Water System.
- "**Deactivated Well**" shall mean any well in which all pumping components including but not limited to pump, piping, and power supply (if equipped) shall be removed from the well casing. Additionally, the top of the well or well casing shall be provided with a cover that is secured by a lock or by other means to prevent its removal without the use of equipment or tools.
- "**Double Check Backflow Prevention Assembly**" or "**DC**" shall mean an assembly composed of two single, independently acting check valves, two tightly closing shutoff valves located at each end of the assembly, and four test cocks for the testing of the check valves.

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- "**Double Check Detector Backflow Prevention Assembly**" or "**DCDA**" means a specifically designed assembly composed of an approved double check valve assembly with a bypass containing a water meter and an approved double check valve assembly. DCDA assemblies shall only be used to protect against a non-health hazard.
- "**Hazard Assessment**" means an evaluation of a user premises designed to evaluate the types and degrees of hazard at a user's premises.
- "**Hazardous Substances**" means any hazardous waste or hazardous substance as defined in any federal, state or local ordinance, rule or regulation including, without limitation, the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (Title 42 United States Code Section 9601, et seq.); the Carpenter-Presley-Tanner Hazardous Substance Account Act (California Health and Safety Code Section 25300, et seq.); and the Hazardous Waste Control Law (California Health and Safety Code Section 25100, et seq.). Hazardous substances shall also include asbestos, or asbestos-containing materials, radon gas, and petroleum or petroleum fractions, whether defined as hazardous substance in any such statute, ordinance, rule or regulation.
- "**Manual of Cross-Connection Control**" shall refer to the most current edition of the Manual of Cross-Connection Control as published by the University of Southern California's Foundation for Cross-Connection Control and Hydraulic Research.
- "**Objectionable Substance**" means a substance introduced into the City's water supply that may not necessarily pose a threat to public health, but may adversely affect the taste, appearance, or other aesthetic qualities of the potable water supply.
- "**Premise**" shall mean any and all areas on a Customer's property which are served or have the potential to be served by the public water system.
- "**Point of Service Connection**" shall refer to the point of connection of a user's piping to the water supplier's facilities.
- "**Pollution**" or "**Pollutant**" shall mean an impairment of the quality of the water to a degree which does not create a hazard to the public health, but which does adversely and unreasonably affect the aesthetic qualities of such waters for domestic use.
- "**PWS**" Public Water System
- "**Recycled Water**" shall mean water which, as a result of treatment of waste, is suitable for a direct beneficial use or a controlled use that would not otherwise occur and is therefore considered a valuable resource.
- "**Reduced Pressure Principle Backflow Prevention Assembly**" or "**RP**" or "**RPB**" shall mean a backflow preventer incorporating not less than two check valves, an automatically operated differential relief valve located between the two check valves, a tightly closing shut-off valve on each side of the check valve assembly and equipped with necessary test cocks for testing.

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- "**Reduced Pressure Principle Detector Assembly**" or "**RPDA**" shall mean a specially designed assembly composed of a line-size approved reduced pressure principle backflow prevention assembly with a bypass containing a specific water meter and an approved reduced pressure principle assembly. This assembly shall be used to protect against a non-health hazard (i.e., pollutant) or a health hazard (i.e., contaminant). The RPDA is primarily used on service connections for fire protection.
- "**Service Connection**" means the City's water service pipeline and appurtenances from the City's water main to the customer's water system; in particular, the point where jurisdiction for sanitary control over the water passes from the City to the customer. If a customer meter is installed at the end of the service connection, then "service connection" shall mean the downstream end of the meter. There shall be no unprotected connections from the service line upstream of any meter or backflow prevention assembly located at the point of delivery to the customer's water system. The term "service connection" shall also include a water service connection from a fire hydrant and all other temporary or emergency water service connections from the City's potable water system.
- "**Unapproved Auxiliary Water Supply**" shall mean any water supply on or available to the premises other than the approved water supply. An Unapproved Auxiliary Water Supply includes, but is not limited to, a well, spring, pond, storage tank or any other water source that is piped or captured in any fashion that would facilitate its use as an Unapproved Auxiliary Water Supply on the premises. An Unapproved Auxiliary Water Supply does not include a decorative or natural water feature that serves solely for aesthetic and/or recreational purposes and lacks piping and/or equipment that would facilitate its use as an Unapproved Auxiliary Water Supply on the premises.

3. Responsibility

Protection of the public water system shall be a responsibility shared by the City and the Customer.

3.1 City Responsibility

Regulations of CA-SWRCB (AB-1671) states that the water supplier has the primary responsibility for protecting the public water system from contamination and/or pollution occurring through backflow by preventing water from unapproved sources or any other substances from entering the distribution system. As a water supplier, the City shall protect the public water system from contamination and/or pollution by implementing a Cross-Connection Control Program. The PWS, however, shall not be responsible for abatement of cross-connections found, or which may exist within a user's premises.

The City fulfills its responsibility by requiring point of service protection at all service connections that have been surveyed and identified to possess a hazard to the public water system and its customers (high-hazard and low-hazard connections).

The City does not recognize internal cross-connection protection programs and/or internal backflow protection assemblies in lieu of point of service connection protection as described herein. All new and existing non-single family residential service connections shall be protected by City approved backflow protection.

3.1.1 Required Personnel

The City is required to employ or contract a designated "Cross-Connection Control Program Coordinator." The Cross-Connection Control Coordinator will help manage, develop and revise the Cross-Connection Control Plan and be responsible for the reporting, tracking and other administrative duties of the Plan. The City of Dixon is defined as an Urban Water Supplier, serving over 3000 service connections; the Coordinator shall be a Cross Connection Control Program Specialist (CCCS) certified by CA-NV AWWA as required by the CCCPH.

The City shall employ or contract, at least one CA-NV Certified Cross Connection Control Program Specialist (CCCS) to be available to respond to backflow incidents within a one (1) hour of the notification. The Water Operations Division, under the Department of Utilities/Engineering will have all contact information for CCCS readily available.

3.1.2 Hazard Assessments

The City of Dixon Public Water System has evaluated the potential for backflow for each user premises by conducting a comprehensive initial hazard assessment in accordance with Article 2, section 3.2.1 of the CCCPH.

For all non-single family service connections, hazard assessments shall be revisited annually during backflow testing, or more frequently, if necessary, in accordance with Article 2, section 3.2.1 (e) of the CCCPH.

3.1.3 Compliance Enforcement

If it is determined that a backflow prevention assembly is required, the installation of such an approved assembly shall be a condition of continued water service. The Customer shall be notified in writing and given no more than 60 calendar days from the date of the initial notice to comply. If a Customer fails to comply, then the City shall proceed with enforcement up to and including termination of water service to the parcel being served.

Service connections for low hazard fire protection systems that are unprotected will be given ten (10) years from effective date of the CCCPH, July 1st, 2034, to install a minimum of a DC to protect the public water system.

In the event the City determines a Customer's water system poses an immediate health risk to the public water supply, the City reserves the right to immediately terminate water service without prior notification and must do so to comply with CA-SWRCB (AB-1671).

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3.1.4 Backflow Prevention Assembly Testing, Inspection and Repair

During installation and prior to covering trenches, the City shall visually inspect the connection and entire length of pipeline from the meter or service connection to the downstream side of the Approved Backflow Assembly (ABPA) before City acceptance. Backflow prevention assemblies require initial and annual testing. Prior to being allowed into service, the customer shall be responsible for having the backflow tested by a certified CA-NV AWWA Backflow Prevention Assembly Tester using approved test equipment with a current calibration certification.

The City will perform annual testing thereafter. The City's current fee for annual testing is assessed on the Customer's monthly City water bill and is outlined in the City's Master Fee Schedule. The City may elect, in its sole discretion, to utilize contract services to conduct annual testing.

The City is not responsible for any repair and/or replacement of a failed customer backflow assembly. The City will notify the customer upon testing failure, and the customer will have 30 days to repair and/or replace the failed device. If the device is not repaired or replaced within the allotted time, the City shall proceed with enforcement, up to and including water service termination until the device has been repaired and retested with a passing test report provided to the City.

A test will only be accepted and considered valid by the City's Public Water System if it is performed by a certified CA-NV AWWA Backflow Prevention Assembly Testers, with an approved test kit including a current calibration certification and submitted on a City test form.

3.2 Customer Responsibility

The Customer shall have the prime responsibility of preventing contaminants and/or pollutants from their water systems (user premises) entering the public water system.

3.2.1 Backflow Prevention Assembly Installation, Repair, Replacement and Testing

The Customer shall own and bear all costs for the purchase, installation, initial testing, and repair or replacement of a failed device in accordance with this Plan. Upon notification by the City, the Customer shall repair or replace existing assemblies determined to be defective, damaged, unapproved, or that do not provide the level of protection required by this Plan. Any installation, repair or replacement of any device or external components shall comply with the Uniform Plumbing Code and the City's current Design and Construction Standards. The Customer shall contact the City to request necessary inspections prior to covering pipe and/or connections associated with the installation.

The Customer shall bear all costs for the installation of pumps or renovation of existing piping, if necessary, as a result of any decreases in line pressure or flow attributed to upgrading or installing an ABPA.

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The City shall not be responsible for any loss or damage, directly or indirectly, resulting from, or caused by any improper or negligent installation, operation, use, repair, or maintenance of any backflow prevention assembly required by this Plan.

The Customer shall provide the City and its agents with unimpeded access to backflow prevention assemblies for routine testing. Customers shall not, without the City's prior written authorization, install any enclosure or any other apparatus for the purposes of freeze protection or theft deterrent that impedes access to the assembly, outside of City Construction Standards and Details. Any enclosures determined by City Staff to pose a safety hazard or impede access shall be upgraded or removed by the Customer to ensure the safety of City staff and completion of annual testing.

If the Customer fails to complete required repairs, replacement or retesting of a failed device, or installation of a required device, within the timeframe outlined by this Plan, the City reserves the right to repair, replace, retest, or install the device. Any cost associated with the repair, replacement, retesting or installation, including contract services utilized, will be the responsibility of the customer and included on the Customers water bill for reimbursement. Failure to pay will result in termination of service and may result on a lien on the property.

3.2.2 Non-Approve/Non-Testable Backflow Devices

If an untestable or non-approved device is identified during the City's Hazard Assessment and/or annual testing, the Customer will be notified and will have 30 days to replace the device with one that is approved by the City of Dixon.

3.2.3 Unprotected Services

If an unprotected service is identified, the Customer will be noticed and required to install an ABPA. The Customer will bear all costs as identified in section 3.2.1 of this Plan. If the unprotected service possesses an immediate hazard to the PWS, the service will be shut down and disconnected until an ABPA has been installed and certified.

4. Cross-Connection Control and Backflow Protection Requirements

The City of Dixon's Public Water System shall ensure its distribution system is protected from actual or potential hazards through the proper installation, continued operation/ testing of approved backflow devices and through initial and ongoing hazard assessments.

4.1 Minimum Backflow Requirements

Minimum protection levels shall be determined by the City. Unless otherwise approved or required, all new non-single family residential service connections shall be protected with a minimum of a Reduced Pressure Principle Assembly (RP or RPDA).

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All sewage/wastewater treatment facilities and sewage lift stations shall require at minimum a RP for the service line to the facility and an air gap (AG) to any part of the facility where the water line is connected to or used in the process of Wastewater.

Nothing in this Plan shall negate a Customer's responsibility for meeting local fire system flow requirements and nothing in the local fire district fire flow system requirements shall negate a Customer's responsibility for meeting the requirements of this Plan.

4.2 New Non-Single Family Residential Service Connections

A minimum of a RP shall be installed at all new non-residential service connections.

4.3 Existing Non-Single Family Residential Service Connections

The City must be provided with unimpeded access to perform annual backflow testing and inspections for the purpose of determining cross-connection hazards. If City access is impeded for any reason, then the Customers will be notified of their responsibilities as outlined in the Plan. Enforcement is detailed in section 8 of this plan.

4.4 New Non-Residential Fire Suppression System Connections

All new non-residential fire suppression system connections shall be designed and protected with a City approved RPDA installed according to City specifications.

A DCDA may be installed with written approval of the City Engineer/Director of Utilities if the private system has extensive flow requirements. A variance shall not be granted if a fire suppression system uses any chemical additives or water supplied from an auxiliary supply. If approved, the DCDA shall be installed to City Standards and Construction Details.

4.5 Existing Non-Residential Fire Suppression System Connections

If an existing non-residential fire suppression system has a DCDA it may remain in service as long as the suppression system is assessed as a low hazard. If the level of hazard changes to a high hazard, DCDA shall be replaced with an approved RPDA.

If an unprotected existing non-residential fire suppression system connection is identified backflow protection shall be required, detailed in section 3.1.3 of this Plan. If a non-residential fire connection is identified to have mixed use (i.e. process water, irrigation, or domestic) the connections shall be individually isolated and shall properly protected and metered as directed by the City.

4.6 Temporary Metered Connection

Temporary meter connections to City hydrants, blow-offs, or other City infrastructure shall be protected with a minimum of a RP. The temporary meter and RP shall be installed by and tested by the City, using a certified CA-NV AWWA Backflow Prevention Assembly General Tester upon Customer submittal of appropriate application and deposit to the

City. The location of the installed temporary meter connection shall be determined by the City in its sole discretion following review the submitted application. .

4.7 Temporary Construction Connection

Temporary construction connections to City water mains used for the purpose of testing and flushing non-City water lines shall be protected with a minimum of a RP. The RP shall be installed in accordance with City's current Design and Construction Standards and shall be inspected and certified by a City Backflow Prevention Assembly General Tester prior to use and monthly thereafter until completion of project. All devices shall be recertified if removed and reinstalled, tampered with, damaged, or relocated. Failure to contact the City in a timely manner for initial or annual certification shall result in termination of connection to City water main. The City shall not provide, replace, or make repairs to these assemblies. If a temporary construction backflow fails a certification test, the connection shall be immediately terminated until the device is repaired or replaced and recertified.

4.8 Private Wells/Unapproved Auxiliary Water Supply

Any parcel served by City water service that is determined to have an Unapproved Auxiliary Water Supply, whether it is interconnected with the public water system or not, shall install a minimum of a RP at the City service connection.

A private water well is classified as an Unapproved Auxiliary Water Supply whether or not it is interconnected with the public water system. The Customer may continue to use this Unapproved Auxiliary Water Supply as long as a RP has been installed at the point of service connection to the City's water system. Parcels having inactive (locked off and meter removed) City water service connections along with onsite Unapproved Auxiliary Water Supplies shall be evaluated by a City Cross Connection Control Specialist prior to City water service reactivation. In circumstances where the Customer does not currently utilize the well, but may seek to do so in the future, the Customer may elect to deactivate. To be considered a Deactivated Well by the City, the Customer shall remove all pumping components including but not limited to pump, piping, and power supply (if equipped) from the well casing. Additionally, the top of the well or well casing shall be provided with a cover that is secured by a lock or by other means to prevent its removal without the use of equipment or tools.

The Customer shall notify the City prior to reactivation of well and shall be responsible for installing appropriate backflow protection as required by this Plan prior to such reactivation. A Deactivated Well shall also be subject to periodic evaluation by City staff to verify no reactivation has occurred. Nothing in this Plan shall be construed to affect the Customer's responsibility to comply with any other applicable regulations related to operation and/or destruction of the well, including but not limited to those requirements of the City of Dixon and the State of California.

In circumstances where the private water well is serving an existing structure for domestic purposes and the Customer has notified the City that he/she intends to destroy or deactivate the well upon receipt of City water service, a City Cross Connection Control Specialist must be present to observe physical disconnection of the well from its source prior to unlocking the installed City water service. Upon unlocking and initiation of water service, the Customer will be responsible for completing deactivation or destroying the well in accordance with current Solano County requirements no later than sixty days following initiation of City water service.

4.9 Single Family Residential

In general, single family residential services will not require backflow protection. If a parcel is determined to have a cross-connection hazard as defined in this Plan (i.e. operating a home business when chemical process may be mixed with potable water, containing an auxiliary source, etc.) the Customer shall be required to install an RP.

5. Approved Backflow Prevention Assemblies

All Backflow prevention assemblies shall be approved by the City and meet the standards set in the CCCPH Article 3, section 3.3.1. Backflow prevention assemblies shall be installed according to the City of Dixon Construction Standards and Details. All backflow prevention assemblies installed or upgraded shall be owned by the Customer.

6. Cross-Connection Control and Backflow Incidents

The City of Dixon's Public Water System shall respond to actual or suspected backflow incidents in accordance with the CCCPH, Article 5.

6.1 Response Procedure

Upon notification or suspicion of a potential or actual backflow incident the City will contact the Program Coordinator and immediately respond with City Water Operators including at least one CA-NV AWWA Certified Cross-Connection Control Program Specialist, or CCCS contract service.

If an actual backflow event is identified, the Program Coordinator shall contact the State Sanitary Engineer. Direction will be given by the SWRCB to the Program Coordinator and all activity shall be recorded and documented.

Water quality samples shall be collected and analyzed, pressure recordings shall be monitored and documented throughout the premises and the nearby distribution system, and all point of connection backflows prevention devices shall be inspected and tested as part of the initial investigation. If a backflow event has occurred, and dependent on the hazard level of the backflow contaminant, City Water Distribution Operators may be directed to isolate sections of the Distribution system to prevent the spread of contamination. Water quality samples shall be collected throughout all sections of the area suspected to be

contaminated and at least 1000' upstream and downstream of the suspected polluted/contaminated area.

Once identified and isolated, the Program Coordinator at the direction of the State will determine how to remove the contaminant, i.e. flushing, hazardous collection/removal, etc. Then all main/service lines effected or depressurized shall be flushed and disinfected according to AWWA C651 standards and sampled for confirmation the pollutant and/or contaminant has been removed as well as bacteriological absence prior to being returned to service.

6.2 Notification and Reporting Requirements

In accordance with the CCCPH, Article 5, section 3.5.3, The City of Dixon's Public Water System shall notify the SWRCB and all local health agencies of any known or suspected incident within twenty-four (24) hours of a confirmed incident. If required, The City shall also submit a written incident report describing the details of the backflow incident, actions taken in response to the incident, and the follow up actions to prevent future backflow incidents.

6.3 Record Keeping

The City of Dixons Public Water System shall keep all records outlined in the CCCPH, Article 5, section 3.5.1. All information must be available to the SWRCB upon request. Record keeping shall contain, but not be limited to, the following:

- The two most recent Hazard Assessments of each non SFR connection.
- For each BPA, the associated hazard or application, location, owner, type, manufacturer, model, size, installation date and serial number.
- Each AG and the association hazard or application.
- All BPA field testing results, failure notices including record of repair, or replacement and re-certification for a minimum of three (3) calendar years.
- The most current cross-connection tests (i.e. Shutdown tests, dye tests, etc.).
- If a user supervisor is designated for a user premise, the current contact information for the user supervisor and water user, and any applicable training/qualifications.
- Any backflow incidents and follow-up actions related to an incident.
- The current Cross-Connection Control Plan/Program.
- Any public outreach or educational material.

7. Recycled Water

The City of Dixon currently does not offer or have the infrastructure to offer recycled water to its customers. If infrastructure is ever developed, this plan will be revisited and adjusted to provide proper protection to the PWS.

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8. Enforcement

Failure to comply with any term and condition prescribed herein and/or the SWCRB CCCPH including the CA-SWRCB (AB-1671), and California Health and Safety Code may result in enforcement action against the Customer including, but not limited to, termination of water service. Violations of Resolution No. 21-061 as implemented by this Plan, may result in fines and/or penalties. Fines and/or penalties shall be set forth in the City's Master Fee Schedule (See Master Fee Schedule).

8. Public Outreach

The City of Dixon's Public Water System shall implement a cross-connection control public outreach and education program element that includes educating staff, customers, and the community about backflow protection and cross-connection control. Outreach may include, but is not limited to, periodic water bill inserts, pamphlet distribution, new customer documentation, email, or information on the consumer confidence report.

Local Entity Coordination – The City of Dixon's Public Water System shall coordinate with applicable local entities that are involved in either cross-connection control or public health protection to ensure hazard assessments can be performed, appropriate backflow protection is provided, and aid in the investigation of backflow incidents. Local entities may include, but are not limited to, commercial, industrial, or institutional customers; local plumbing, permitting, or health officials; law enforcement, fire departments; and/or maintenance personnel of public and private entities.

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Appendix A

The State Water Resources Control Board:

Cross-Connection Control Policy Handbook

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