

SUNSHINE COAST REGIONAL DISTRICT

BYLAW NO. 425

A Bylaw to ensure safe drinking water through the elimination or control of cross connections within the Sunshine Coast Regional District water supply and distribution system.

The Board of the Sunshine Coast Regional District in open meeting assembled enacts as follows:

1. **INTERPRETATION**

“Regional District Water Authority” means the department of the Sunshine Coast Regional District responsible for the supply and distribution of potable water.

“Regional District Water System” means the water supply and distribution system owned and operated by the Sunshine Coast Regional District.

“Engineer” means the person holding the office of the Superintendent of Public Works, or a duly authorized representative, as appointed by the Board.

“Backflow” means the reversal of flow from the private water system to the Regional District Water Authority’s waterworks system.

“Certified Tester” means a person holding a valid certificate from the British Columbia Water and Waste Association for the purpose of testing and servicing all types of backflow prevention devices.

“Cross Connection” means any physical arrangement whereby the Water Authority’s water supply is connected , directly or indirectly , with any non-potable or unapproved private water supply system, sewer, drain, conduit, pool, storage reservoir, plumbing fixture or any other device which contains or may contain contaminated water, liquid, gases, sewage or other waste of unknown or unsafe quality which may be capable of imparting contamination to the public water supply as a result of backflow.

“Person” includes any corporation, partnership or party and heirs, executors, administrators, or other legal representative of such person to whom the context can apply according to law.

“Potable Water” means water that is fit for human consumption as defined in the British Columbia Drinking Water Regulation.

“Private Water System” means a water system privately owned or operated for the delivery or distribution of water and includes any domestic use, irrigation system, greenhouse and hydroponic system, and any other use of water supplied by the Regional District Water Authority’s waterworks system.

2. Subject to the provisions of Sections 3 and 4 of this Bylaw:

No person shall create a cross connection by connecting, causing to be connected, or allowing to remain connected to the Regional District water system any device, piping, fixture, fitting, container, appliance or any other chattel or thing which may under any circumstances allow non-potable water, waste water or any chemical, liquid or other substance to enter the Regional District water system.

3. Where the owner has installed a fire line, irrigation or sprinkler system or the owner or operator of a private water system connected to the Regional District water system has permitted the creation of a cross connection or the introduction of any chemicals or foreign matter whatsoever into the private water system then strict compliance with the following is required:
- (a) The owner or operator of any private water system wishing to inject or introduce chemicals or foreign material into the water system must notify the Regional District Water Authority in writing of their intentions to do so.
 - (b) The owner or operator of the private water system shall install a type of backflow prevention assembly approved by the Regional District Water Authority on the water system at the location of the water service connection or another location approved by the Engineer.
 - (c) The backflow prevention assembly shall be installed in accordance with the current edition of "Accepted Procedure and Practice in Cross Connection Control" prepared by the Cross Connection Control Committee, Pacific Northwest Section, American Waterworks Association or as otherwise directed by the Engineer.
 - (d) The backflow prevention assembly shall be a device approved by the Canadian Standards Association.
 - (e) The owner or operator of a Private Water System shall have the backflow prevention assembly inspected once in each twelve (12) month period basis by a Certified Tester to ensure that it is an approved assembly, installed correctly and in proper operating condition. If the assembly is found to be faulty, it must be fixed and retested. A copy of the test report shall be provided to the Regional District Water Authority within thirty (30) days of completion of the test.
 - (f) The owners or operator will provide to the Regional District Water Authority within 30 days of initial installation of the backflow prevention assembly a certificate from a certified technician conforming:
 - i) the date of installation of the backflow prevention assembly;
 - ii) the type, model and size of backflow prevention assembly installed;

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3. (con't) iii) that it is an approved assembly for the intended use, is installed correctly and is in proper operating condition.
4. The operator of a private water system for agricultural purposes where a cross connection exists between Regional District water system and the private water system shall in addition to the general provisions of Section 3 also comply with the following:
- (a) An approved reduced pressure backflow prevention device (RPBD) shall be used whenever fertilizers, chemicals or any other substance deleterious to health are introduced to a private water system.
 - (b) Prior to commencement of operation of the private water system in each irrigation season, the owner or operator of the private water system shall have the backflow prevention device inspected by a Certified Tester to ensure that it is an approved assembly, installed correctly and in proper operating condition. A copy of the test report shall be provided to the Regional District Water Authority within thirty (30) days of completion of the test and prior to operation of the chemical injection system.
 - (c) It is the responsibility of the owner or operator to ensure that chemicals are registered for the application method being employed and to operate the irrigation and chemical injection system in accordance with the procedures outlined in "Chemigation Guidelines for British Columbia", prepared by the B.C. Ministry of Agriculture, Fisheries and Food.
 - (d) The owner or operator assumes responsibility for the operation of the irrigation and injection system and shall ensure that proper backflow prevention procedures are used at the connection to the Regional District water system.
 - (e) The owner or operator of any sprayer tank filling station shall maintain a minimum air gap of 300mm between the end of the filler hose and the top of the sprayer tank. If this air gap cannot be maintained or if in the opinion of the Engineer the sprayer filling station is constructed or operated in a manner that constitutes a cross connection with the Regional District water system, the provisions of paragraph 6 shall apply.
5. The Regional District Water Authority shall be entitled, at its determination to:
- (a) inspect the private water system located on private property;
 - (b) impose minimum standards which must be met and satisfied relating to the type of backflow preventer and the installation and maintenance of the same;
 - (c) inspect the type of backflow preventer and the installation and state of maintenance and repair of the same.

6. Where any condition is found to exist which, in the opinion of the Engineer constitutes a cross connection with the Regional District water system, the Engineer shall shut-off the water supply service(s) to the property and notify the property owner that an approved backflow prevention assembly(s) shall be properly installed and tested, at the customer's expense, prior to the water service(s) being turned on. If, in the sole opinion of the Engineer, a health hazard does not presently exist, the Engineer may give notice to the property owner to correct the cross connection within a specified period.
7. Any person whose water has been turned off pursuant to this Bylaw shall not have the water from the Regional District water system turned on until such time as:
 - (a) all of the provision of this bylaw have been complied with
 - (b) the said person pays to the Regional District Water Authority a turn on fee of fifty dollars (\$50) plus GST and;
 - (c) the Regional District Water Authority has turned on the service.

APPLICATION OF BYLAW

8. The provisions of this Bylaw shall be applicable to and be binding upon all persons served by the Regional District water system.

PENALTIES

9. Any person who disobeys or fails to comply with any provision of this Bylaw shall be guilty of an offence and liable on summary conviction to a fine not exceeding Two Thousand Dollars (\$2,000) or to imprisonment not exceeding six (6) months, or both, and if the offence is of a continuing nature, to a fine not exceeding Five Hundred Dollars (\$500) for each day the offence is continued.

SEVERABILITY

10. If a section, subsection, paragraph, subparagraph or phrase of this bylaw is for any reason declared invalid by a Court of competent jurisdiction, such invalid portion shall be severed from this bylaw and the decision shall not affect the validity of the remaining portions of this bylaw.

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CITATION

11. This Bylaw may be cited as the "Sunshine Coast Regional District Cross Connection Control Bylaw No. 425, 1996.

INTRODUCED AND READ A FIRST TIME THIS	11th	DAY OF	April,	1996.
READ A SECOND TIME THIS	11th	DAY OF	April,	1996.
READ A THIRD TIME AND PASSED THIS	11th	DAY OF	April,	1996.
RECONSIDERED AND FINALLY ADOPTED THIS	25th	DAY OF	April,	1996



Peggy Connor

CHAIR

[Signature]

SECRETARY