

Local Law Filing

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DEPARTMENT OF STATE
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County
City of Seneca
Town
Village

Local Law No. 1 of the year 2011

A local law SENECA COUNTY WATER DISTRICT CROSS CONNECTION CONTROL LAW
(Insert Title)

Be it enacted by the Board of Supervisors **of the**
(Name of Legislative Body)

County
City of Seneca **as follows:**
Town
Village

1) PURPOSE: The purpose of the cross connection control program is to protect the public water system from the potential hazards originating on the premises of the customers and from temporary connections that may backflow into the public water system and impair or alter the water.

2) DEFINITIONS

A) Backflow -The flow of water or other liquids, mixtures or substances, under positive or reduced pressure in the distribution pipes of a potable water supply from any source other than its intended source (approved potable water treatment plant or approved potable water supply interconnections).

B) Cross Connection - Any actual or potential connection between the public water supply and a source of contamination or pollution.

3) GENERAL REQUIREMENTS

A) Cross connection control devices shall be installed on all water services which are not classified as residential.

B) The design of all cross connection control devices shall be done by a Professional Engineer, licensed in the State of New York, in accordance

with the requirements of the State Education Law.

C) All cross connection control devices shall be approved by the Seneca County Water District and New York State Department of Health prior to construction.

4) LOCATION

A) All installation locations shall be approved by the Seneca County Water District and NYS Department of Health prior to construction.

B) Cross Connection Control Devices shall be installed at or near the property line of the facility if any one or more of the following conditions exist:

i) At facilities which have a large private internal distribution systems,

ii) At facilities where the location of the underground piping arrangement is unknown or can not be verified,

iii) At facilities with combination fire and domestic (process) services with private hydrants or hydrant connections,

iv) At facilities where future building additions are planned, or likely, that would extend over the existing water service or through which the existing service would run, or

v) t locations deemed necessary by the Seneca County Water District.

C) The Cross Connection Control Device shall be located such that it is not subject to flooding.

D) Cross Connection Control Devices shall be located at least one foot above the 100 year flood plain.

E) The Cross Connection Control Device shall be located downstream (after) of the water service meter and upstream (before) all taps including private hydrants.

5) SUBMITTALS & APPLICATION FEE

A) Five set of the Engineer's Report as detailed in Section 6, NYS Department of Health (NYSDOH) Application for Approval Form DOH 347 or its equivalent successor, and Plans and Specifications for Cross Connection Control Device Installation as detailed in Section 7 shall be submitted to the Seneca County Water District for review and endorsement.

B) All submissions found to be in compliance with the Seneca County Water District requirements will be endorsed by the Seneca County Water District. Signature of the bottom half of NYSDOH Application for Approval Form DOH 347 or its equivalent successor will signify the Seneca County Water District's endorsement of the project. Endorsed applications will be forwarded to the Seneca County Health Department, 31 Thurber Drive,

Waterloo, New York 13165. Submissions that are not found to meet Seneca County Water District specifications will be returned to the Owner.

C) An application fee of seventy-five dollars (\$75.00) must accompany the submission.

6) ENGINEER'S REPORT

A) The Engineer's Report shall be prepared by a Professional Engineer, licensed in the State of New York, in accordance with the requirements of the State Education Law.

B) The Engineer's report shall include the following information, additional information may be required to satisfy the New York State Department of Health requirements:

- i) Detailed description of the project and proposed facility use(s),
- ii) General use of water within the facility (domestic, process, fire),
- iii) Size and description of water services (material type, location and use),
- iv) Number of floors and approximate square footage of each floor within the facility,
- v) Actual/Estimated average day and maximum day water demand,
- vi) Water pressures, before and after the Cross Connection Control Device and at the extremities of the facilities system (highest elevation and most remote fixture unit),
- vii) Description of the fire fighting system including the AWWA classification of the sprinkler system.
- viii) Detailed description of the proposed installation of the Cross Connection Control Device including but not limited to: location, accessibility, drainage, manufactures data (make, model and cut sheets), lighting and heating.
- ix) Description of existing or proposed booster pump system including answers to the following questions:
 - a) Will the Net Positive Suction Head (NPSH) required for the proper operation of the booster pump system be adequate after the installation of the Cross Connection Control Device?
 - b) After the installation of the Cross Connection Control Device in the suction line of the booster pump system, will the booster pump system operate properly at peak demand to deliver adequate pressure to the highest elevation, the most remote fixture unit or any process requiring a specific pressure?
 - c) Does the booster pump system have a pressure cutoff switch in the suction line?

d) What is the pressure setting of the switch?

x) Documentation of a need for continuous water supply. A facility needing continuous water supply must install dual Cross Connection Control Devices.

xi) Documentation of the location of the 100 year flood plain. If applicable, the elevation of the 100 year flood plain shall be provided.

7) PLANS

A) The Plans shall be prepared by a Professional Engineer, licensed in the State of New York, in accordance with the requirements of the State Education Law.

B) The Plans shall include the following information, additional information may be required to satisfy the New York State Department of Health requirements:

i) A General Location Map indicating the location of the site

ii) A Site Plan of the facility containing location and size of existing utilities (water, sewer, gas, electric, etc), existing and proposed buildings, proposed water services (location, type and size), pumper connections, private fire hydrants and the location of the proposed Cross Connection Control Device. The Site Plan shall be drawn at a scale no larger than 1 inch = 50 feet.

iii) A Plumbing Floor Plan or Partial Floor Plan (Plan View) indicating the water service, water meter layout, proposed Cross Connection Control Device(s), booster pump system, floor drain(s) and all nearby objects/obstructions (including but not limited to electrical panels, boilers, fire protection systems, water closets, etc). The Floor Plan shall be drawn to scale no larger than 1/4 inch = 1 foot. Dimensions to nearby walls and objects shall be included on the plan. Proposed materials of Construction shall be indicated on the plan view.

iv) A Vertical Cross Section of the proposed installation including elevation from the floor to the centerline of the device, elevation from the centerline of the device to the ceiling, outside grade and nearby objects. Proposed materials of Construction shall be indicated on the section view.

8) INSPECTIONS/CERTIFICATIONS

Section 9 – Initial Inspection/Certification and Section 10 – Annual Inspection detail the inspection and certifications requirements for Seneca County Water District Cross Connection Control program. Additional inspections and certifications may be required to satisfy the New York State Department of Health requirements.

9) INITIAL INSPECTION/CERTIFICATION

A) Upon completion of the installation, the Design Engineer must certify that the installation was completed in accordance with the approved plans and specifications. The appropriate sections of the NYS Department of Health form DOH 1013 Report on Test and Maintenance of Backflow Prevention Device or its equivalent successor shall be completed by the Design Engineer.

B) Upon completion of the installation, a Certified Backflow Prevention Tester must make an initial test of each cross connection control device installed. The appropriate sections of the NYS Department of Health form DOH 1013 Report on Test and Maintenance of Backflow Prevention Device or its equivalent successor shall be completed by the Certified Backflow Prevention Tester.

C) Copies of the completed NYS Department of Health Form DOH 1013 or its equivalent successor shall be forwarded to the Seneca County Water District and the Seneca County Health Department. A completed Works Approval will be issued by the Health Department upon successful completion.

10) ANNUAL INSPECTIONS

A) All Cross Connection Control Devices are to be inspected and tested annually by a certified Backflow Prevention Tester. Copies of the inspection and test results shall be forwarded to both the Seneca County Water District and the Seneca County Health Department.

B) Failure to complete annual inspections and tests will result in the termination of water service to the non-complying property.

11) MATERIALS

A) All materials shall meet the requirements of American Water Works Association (AWWA), shall be approved for use in a potable water supply system and shall comply with Seneca County Water District requirements.

B) Only Cross Connection Control Devices approved by the NYS Department of Health are acceptable for installation.

Adopted by the Seneca County Board of Supervisors on March 8, 2011