

MAR 01 2002

SECTION 6-132: BACKFLOW REGULATIONS; BACKFLOW PREVENTION DEVICE

The water commissioner shall be and hereby is responsible for the protection of the public potable water distribution system from contamination or pollution due to the backflow or back-siphonage of contaminants or pollutants through the water service connection. If, in the judgment of the water commissioner, an approved backflow device is required at the City's water service connection to any customer's premises, the commissioner or his/her delegated agent shall give notice in writing to said customer to install an approved backflow prevention device at each service connection to his/her premises. The customer shall, within 90 days, install such approved device or devices at his/her own expense. Failure by reason of refusal or inability on the part of the customer to install said device or devices within 90 days shall constitute grounds for discontinuing water service to the premises until such device or devices have been properly installed.

SECTION 6-133: BACKFLOW REGULATIONS; CONTROL PROGRAM

The City will operate a cross-connection control program, to include the keeping of necessary records, which fulfills the requirements of the Cross-Connection Regulations of the Nebraska Department of Health.

If the City requires that the public supply be protected by containment, the owner shall be responsible for water quality beyond the outlet end of the containment device and should utilize fixture outlet protection for that purpose.

The City's water customer may utilize public health officials or personnel from the City or their delegated representatives to assist him/her in the survey of his/her facilities and to assist him/her in the selection of proper fixtures outlet devices and the proper installation of these devices.

SECTION 6-134: BACKFLOW REGULATIONS; RESPONSIBILITIES OF CITY AND OWNER

The City shall be responsible for the following:

1. On new installations, the City will provide on-site evaluation and/or inspection of plans in order to determine the type of backflow preventer, if any, that will be required and will perform inspection and testing. In any case, a minimum of a double check valve will be required in any new construction.

2. For premises existing prior to the start of this program the City, upon request of the customer, will perform evaluations and inspections of plans and/or premises and inform the owner by letter of any corrective action deemed necessary, the method of achieving the correction, and the time allowed for the correction to be made.

3. If the City determines at any time that a serious threat to the public health exists by virtue of the customer's failure to install proper backflow protection devices, the water service to such customer's property shall be terminated immediately.

4. The City shall have on file a list of private contractors who are certified backflow device testers. All charges for these tests will be paid by the owner of the building or property.

The owner shall be responsible for the following:

1. The owner shall be responsible for the elimination or protection of all cross-connections on his/her premises.

2. The owner, after having been informed by a letter from the City, shall at his/her expense, install, maintain and test, or have tested, any and all backflow preventers on his/her premises.

3. The owner shall correct any malfunction of a backflow preventer which is revealed by periodic testing.

4. The owner shall inform the City of any proposed or modified cross-connection and of any existing cross-connection of which the owner is aware but which has not been found by the City.

5. The owner shall not install a bypass around any backflow preventer unless there is a backflow preventer of the same type on the bypass. Owners who cannot shut down operation for testing of the device(s) must supply additional devices necessary to allow testing to take place.

6. The owner shall install backflow preventers in a manner approved by the City.

7. The owner shall install only backflow preventers approved by the City.

8. In the event the owner installs plumbing to provide potable water for domestic purposes which is on the City's side of the backflow preventer, such plumbing must have its own backflow preventer installed.

9. The owner shall be responsible for the payment of all fees for permits, annual or semi-annual device testing, re-testing in the case that the device fails to operate correctly, and second reinspection for non-compliance with village standards.

SECTION 6-135: BACKFLOW REGULATIONS; REPLACEMENT OF BACKFLOW DEVICE

Any existing backflow preventer which is capable of being tested for operability shall be allowed by the City to continue in service unless the degree of hazard is such as to supersede the effectiveness of the present backflow preventer, or result in an unreasonable risk to the public health. Where the degree of hazard has increased, as in the case of a residential installation converting to a business establishment, any existing backflow preventer must be upgraded to a reduced pressure principle device, or a reduced pressure principle device must be installed in the event that no backflow device was present.

SECTION 6-136: BACKFLOW REGULATIONS; RECORDS

The following records and reports shall be submitted:

The City will initiate and maintain the following records:

- A. Master files on customer cross-connection tests and/or inspections.
- B. Master files on cross-connections permits.
- C. Copies of permits and permit applications
- D. Copies of lists and summaries supplied to the Nebraska Department of Health.

The City will submit all backflow reports required by the Nebraska Department of Health.

SECTION 6-137: BACKFLOW REGULATIONS; FEE PUBLICATION

The City will adopt and publish a list of fees or charges for backflow devices: testing fees; re-testing fees; and fee for reinspection.

SECTION 6-138: CITY WELLS; SAFE ZONE

A safe zone shall be established around each of the City's public wells following the guidelines set by the State of Nebraska Department of Health. No changes will be allowed in the area surrounding any public wells of the City of Neligh that will bring any public wells into violation of the guidelines set by the State of Nebraska Department of Health for the drilling of public wells. While this ordinance will be construed to include any guidelines set by the Department of Health and to allow for any changes in the guidelines of the Department of Health, at this time the guidelines include:

No private well within 1,000 feet

No sewage lagoon or sewage treatment plant within 1,000 feet

No absorption or disposal field for water within 500 feet

No dump site or sanitary landfill within 500 feet

No chemical product storage facility within 500 feet

No petroleum product storage facility within 500 feet

No corral or feedlot within 500 feet

No septic tank, cesspool, or other waste disposal facility within 500 feet

No sewer manhole or sewer connection within 100 feet

No sewer line within 50 feet

SECTION 6-139: PROHIBITION OF LEAD PIPES, SOLDER AND FLUX

Any pipe, solders or flux used in the installation or repair of any residential or non-residential facility which is connected to the public water supply system shall be lead free.

For purposes of this section, lead free shall mean:

- 1) Solders and flux - not more than two-tenths (.2%) percent lead, and
- 2) Pipe and pipe fittings - not more than eight (8%) percent lead.