

feature. All mechanical equipment that is appurtenant to the gray water system shall be painted purple.

1623.0 Installation.

- (A) Hose bibbs shall not be allowed on gray water piping systems.
- (B) The gray water system and the potable water system within the building shall be provided with the required appurtenances (valves, air/vacuum relief valves, etc.) to allow for deactivation or drainage as required for cross-connection test in Section 1625.0.
- (C) Gray water pipes shall not be run or laid in the same trench as potable water pipes. A 3m (10 ft.) horizontal separation shall be maintained between pressurized, buried gray and potable water piping. Buried potable water pipes crossing pressurized gray water pipes shall be laid not less than 30cm (12 in.) above the gray water pipes. Gray water pipes laid in the same trench or crossing building sewer or drainage piping shall be installed in compliance with Sections 609.2 and 720.0 of this code.

1624.0 Signs.

- (A) **Commercial, Industrial, and Institutional Room Entrance Signs.** All rooms in commercial, industrial, and institutional occupancies using gray water for water closets and/or urinals shall be identified with signs. Each sign shall contain letters of a highly visible color with a height 15mm (1/2 in.) on a contrasting background. The location of the sign(s) shall be such that the sign(s) shall be visible to all users. The number and location of the signs shall be approved by the Authority Having Jurisdiction and shall contain the following text:

**TO CONSERVE WATER, THIS BUILDING
USES GRAY WATER TO FLUSH TOILETS
AND URINALS.**

- (B) **Room Signs.** Each room containing gray water equipment shall have a sign posted with the following caption, having a height of 25mm (1 in.) on a purple background.

**CAUTION: NONPOTABLE GRAY WATER,
DO NOT DRINK.
DO NOT CONNECT TO
DRINKING WATER SYSTEM.**

**NOTICE:
CONTACT BUILDING MANAGEMENT
BEFORE PERFORMING ANY WORK ON
THIS WATER SYSTEM.**

This sign shall be posted in a location that is visible to anyone working on or near gray water equipment.

- (C) Where tank-type water closets are flushed with gray water, the tank shall be labeled:

**NONPOTABLE GRAY WATER –
DO NOT DRINK**

- (D) **Valve Access Door Signs.** Each gray water valve within a wall shall have its access door into the wall equipped with a warning sign approximately 15cm x 15cm (6 in. x 6 in.) with lettering equal to 15mm (1/2 in.) on a purple background. The size, shape, and format of the sign shall be substantially the same as that specified in subsection (B) above. The signs shall be attached inside the access door frame and shall hang in the center of the access door frame. This sign requirement shall be applicable to any and all access doors, hatches, etc., leading to gray water piping and appurtenances.

1625.0 Inspection and Testing.

- (A) Gray water piping shall be inspected and tested as outlined in this code for testing of potable water piping.
- (B) An initial and subsequent annual inspection and test shall be performed on both the potable and gray water systems. The potable gray water system shall be isolated from each other and independently inspected and tested to ensure there is no cross-connection, as follows:
 - (1) Visual Dual System Inspection. Prior to commencing the cross-connection testing, a dual system inspection shall be conducted by the Authority Having Jurisdiction and other authorities having jurisdiction.
 - (I) If installed, meter locations of the gray water and potable water lines shall be checked to verify that no modifications were made, and that no cross-connections are visible.
 - (II) Pumps and equipment, equipment room signs, and exposed piping in the equipment room shall be checked.
 - (III) Valves shall be checked to ensure that valve lock seals are still in place and intact. Valve control door signs shall be checked to verify that no signs have been removed.
 - (2) Cross-Connection Test. The following procedure shall be followed by the applicant in the presence of the Authority Having Jurisdiction and other authorities having jurisdiction to determine whether a cross-connection occurred.