



## Walnut Creek Special Utility District

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### RV Parks and Cross-Connection Control

When owners of RVs flush and clean the waste from the plumbing system of RVs, a potential threat to the potable (drinking) water supply may be created. Many RVs are sold today with a “sewer flusher” connection which allows the blackwater tank to be flushed.

Most RVs have two types of waste holding tanks:

1. **Blackwater tank** - Holds the waste from the toilet
2. **Graywater tank** - Holds the waste from the bath tub/shower, wash basin, and kitchen sink.

According to manufacturers of devices used to flush blackwater tanks, the devices address the problem of solids build-up. However, the device allows a direct connection between the blackwater tank and the public water supply. While most of these devices come with some form of backflow protection, **30 TAC 290.47(i)** PROHIBITS the connection of a public water supply to a sewer pipe. Since the blackwater tank of an RV holds the same materials as a sewer pipe, devices that allow connection between the public water supply and blackwater tanks are a **health threat** to the potable (drinking) water distribution systems of the **RV Park and Walnut Creek Special Utility District**.

#### Internal Safeguards for Cross-Connection Control:

The following are recommendations for the RV Park to internally protect occupants from contamination due to backflow. Since, a contamination will impact the occupants of the RV Park before contaminating the public’s water supply.

- Managers should inspect every RV that enters their park, especially when the RV owner is connecting the RV to the RV park’s potable water distribution system.
- RV Parks should prohibit the use of “Y Hose Adapters”. (These devices enable a RV owner to establish connections from a potable water hose bibb to both the RV’s potable water system and sewer flusher connection at the same time.)
- It is recommended to have designated hose bibbs for blackwater tank flushing that have a Pressure Vacuum Breaker (PVB) installed. This will help protect the RV park internally from potential contamination.

#### District’s Backflow Prevention Requirements for RV Parks:

The following are requirements set forth by the District and TCEQ in order to protect the public water supply against potential contamination.

- Reduced-pressure-principle backflow prevention assembly for premise isolation at the meter of every RV Park. This protects the District’s distribution system from potential contamination.
- Assemblies shall be installed, tested annually, and maintained by the RV Park.
- RV Parks that currently have a Double Check valve must have the device tested annually. If, the device fails an annual test it must be replaced with the approved backflow prevention assembly previously mentioned.