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MEMORANDUM

BULLETIN P-01-09

To: All Permit Applicants

From: Thomas H. Goldsbury, P.E., C.B.O., LEED AP
Chief, Building Inspection Division

Subject: **Residential Backflow Prevention Requirements**

The purpose of this Bulletin is to remind you of the requirements when a backflow prevention device is required on a water service to a residence. Please keep in mind, that when a backflow prevention device is installed on the supply, most of the time this results in a closed system and will also then require an expansion valve or tank when there is a hot water heater. When applying for a Plumbing permit for a new house, if the irrigation for that property **could** be supplied by an auxiliary water source as defined below, the plumbing work should include the appropriate backflow protection device and expansion valve/tank, to avoid having to go back and install them later.

Residential Backflow Prevention Requirements

JEA and the Florida Department of Environmental Protection (FDEP) require the installation of backflow prevention devices on domestic potable water service lines where the premise is irrigated with auxiliary sources of water. An auxiliary water source is any water not meeting potable standards that is used for irrigation. Examples of auxiliary water sources include reclaimed water, wells or surface waters.

Type of Backflow Protection

FDEP regulations and JEA Cross Connection Control Policy allow the backflow prevention devices indicated below on potable residential water lines when one of the following auxiliary water sources is developed for irrigation. An installation guide is attached.

Reclaimed water – Reduced pressure backflow preventer, double check valve, residential dual check valve¹
Note that cross connections between reclaimed water and potable water lines are prohibited.

Well water – Reduced pressure backflow preventer²

Surface water – Reduced pressure backflow preventer²

¹ Use of the residential dual check valve requires certain authorizations. Contact JEA's Cross Connection Control program at 904 665-6417 for details.

²FDEP's proposed rule modifications may allow the use of the double check or residential dual check valve in these applications with additional safeguards. Please contact JEA's Cross Connection Control program at 904 665-6417 for updates and additional information.

**JEA Residential Dual Check Backflow Prevention Device
Installation Guide**

