

**CROSS CONNECTION CONTROL**  
**AND**  
**BACKFLOW PREVENTION**  
**MANUAL**



**Patoka Lake Regional Water & Sewer District**

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## **Introduction**

### **What is a Cross Connection?**

For the use in this manual, a cross connection is defined as any physical arrangement whereby a public water supply is connected, directly or indirectly, with any secondary water supply system, sewer drain, conduit, pool, storage reservoir, plumbing fixture, or other device which contains or may contain any water, contaminated liquid, or other waste of unknown or unsafe quality that could impart a contaminant to the drinking water as a result of backflow or backsiphonage.

### **Protection of Water Supply System**

In order to protect the public water supply system from cross connections:

- No installation of public water supply piping or part thereof shall be made in such a manner that it will be possible for used, unclean, polluted, or contaminated water, mixtures, or substances to enter any portion of such piping from any tank, receptacle, equipment, or plumbing fixture by reason of backsiphonage, or any other cause, either during normal use and operation thereof or when any such tank, receptacle, equipment, or plumbing fixture is flooded, or subject to pressure in excess of the pressure in the hot or cold water piping.
- No person shall make a connection or allow one to exist between pipes or conduits carrying domestic water supplied by any public or private water service system, and any pipes, conduits or fixtures containing or carrying water from any other source or containing or carrying water which has been used for any purpose whatsoever, or any piping carrying chemicals, liquids, gases, or any substance, unless there is provided an approved backflow prevention device. The approval of the Indiana Department of Environmental Management must be obtained before any connection is made between the domestic supply and any contaminated, polluted, or auxiliary water system.
- No plumbing fixture, device, or construction shall be installed or maintained or shall be connected to any domestic water supply, when such installation or connection may provide a possibility of polluting such water supply or may provide a cross connection between a distributing system of water for drinking and domestic purposes and water which may become contaminated by such plumbing fixture devices or construction unless there is provided an approved backflow prevention device.