

CLINTON UTILITIES BOARD (CUB) CROSS-CONNECTION QUESTIONNAIRE SURVEY – RESIDENTIAL



Property Owner Name: _____

Service Address: _____

1. Occupancy: Own _____ Rent _____
2. Meter serves: Home(s) How Many? _____
Building(s) How Many? _____
3. Circle Required Meter size: ¾” 1” 1 ½ ” 2” 3” 4” 6”
4. Do you have any of the following at this address? (Please Check all that apply):

Hot Tub <input type="checkbox"/>	Swimming Pool <input type="checkbox"/>	Underground Sprinkler System <input type="checkbox"/>
Water Bed <input type="checkbox"/>	Wood-Burning Hot Water Heater <input type="checkbox"/>	Darkroom Equipment <input type="checkbox"/>
Green House <input type="checkbox"/>	Portable Dialysis Machine <input type="checkbox"/>	Utility sink with a threaded faucet <input type="checkbox"/>
Jacuzzi <input type="checkbox"/>	Drip/Soaker/Irrigation System <input type="checkbox"/>	Insecticide Sprayers (attached to garden hose) <input type="checkbox"/>
Solar Heat System <input type="checkbox"/>	Geothermal Heating System <input type="checkbox"/>	“Ghost” pipes (unidentified pipes) <input type="checkbox"/>

5. Do you have bathtub that fills from the bottom? Yes_____No_____
6. Do you have a water softener or any additional water filters or treatment equipment? Yes___No___
7. Do you have an auxiliary water supply on your premises? Yes___No___
8. Do you have livestock and use a water trough or water system connected to public water? Yes_____No_____
9. Is your home or building elevated above your water meter? Yes___No___
10. Does a creek, river, or spring water run near or on your property? Yes___No___
11. Do you have a booster pump, well pump, or any other type water pump? Yes___No___
12. Do you receive irrigation water from a different source? Yes___No___
13. Do you have a backflow protection device on your property now? Yes___No___
14. Do you have any situation that you are aware of that could create a cross-connection? Yes___No___
15. Do you have any other water-using equipment on your property not mentioned above? Yes___No___

If yes, please list here: _____

Print Name

Phone Number

Signature

Date

***If any of the above conditions change, please notify CUB’s Water & Sewer Department immediately at 865-220-6241**



Clinton Utilities Board (CUB)

CROSS-CONNECTION QUESTIONNAIRE SURVEY

COMMERCIAL/INDUSTRIAL

Facility Name: _____

Date: _____

Address: _____

Acct. No.: _____

Facility/Business Type: _____

Phone No.: _____

Contact Person: _____

Email: _____

Does your facility have a backflow prevention device on the main water line entering your facility? Yes No Unknown

*Please take a moment and check any and all devices contained in your facility.

Equipment Name	Yes / No	Equipment Name	Yes / No
Air Conditioning		Fountain Ornamental/Pond	
Air Washers		Detergent Dispenser	
Air Conditioned Cooling Towers		Garbage Disposer	
Air Compressors		Hydro-Therapy Baths	
Autopsy Tables		Humidifier Tank & Boxes	
Aspirator Medical		Hose Faucets	
Aspirators, Weedicide and Root Feeders		Hot Water Heater And Tanks	
Autoclave & Sterilizer		Ice Maker	
Boiler Feed Line		Janitor Closet	
Baptismal Fount		Lab Equipments	
Bathtub Below Rim Filler		Laundry Machine	
Bedpan Washer, Flushing Rim		Lavatory	
Bidet		Lawn Sprinkler	
Brine Tank		Boat Mariana	
Bottle Washer		Make-up Tank	
Chemical Feeder Tanks		Pump, Prime Lines	
Chlorinator		Pump, Water Oper Eject	
Coffee urn		Photo Lab Sinks	
Cuspidor, Dental		Photostat Equipment	
Chiller Tanks		Pump Pneumatic Eject	
Cooking Kettles		Pipette Washer	
Condensate Tank		Potato Peeler	
Demineralized System		Processing Tanks	
Dishwasher		Re-circulated Water	
Drinking Fountain		Sewer, Sanitary	
Degreasing Equipment		Sewer, Storm	
Dye Vats & Tanks		Swimming Pool	
Developing Tanks		Sewer, Flushing Manhole	
Dairy Barn Equipment		Steam Cleaner	
Etching Tanks		Steam Table	
Stills		Digesters, Hospital	
Starch Tanks		Ultrasonic Baths	
Sitz Bath		Vats	
Sprinkler System, Fire Protection		Telephone, Showers	
Shampoo Basin Hose Rinse, Beauty Shop		Water Closets, Tanks	
Sinks, Wash-up		Water Closets, Flush	
Serrated Faucets		Water for Cooling	
Sizing Vats & Boxes		Water Oper Equipment	
Solution Tanks		Water Treatment Tanks	
Urinal, Siphon Jet Blow-out		Water Well Secondary System	
Urinal, Trough		Wash Tanks	

Return to:

Clinton Utilities Board
 Attn: Cross-Connection Control Dept.
 P.O. Box 296
 Clinton, TN 37717
 Phone: 865-220-6241; Email: jbrock@clintonub.com



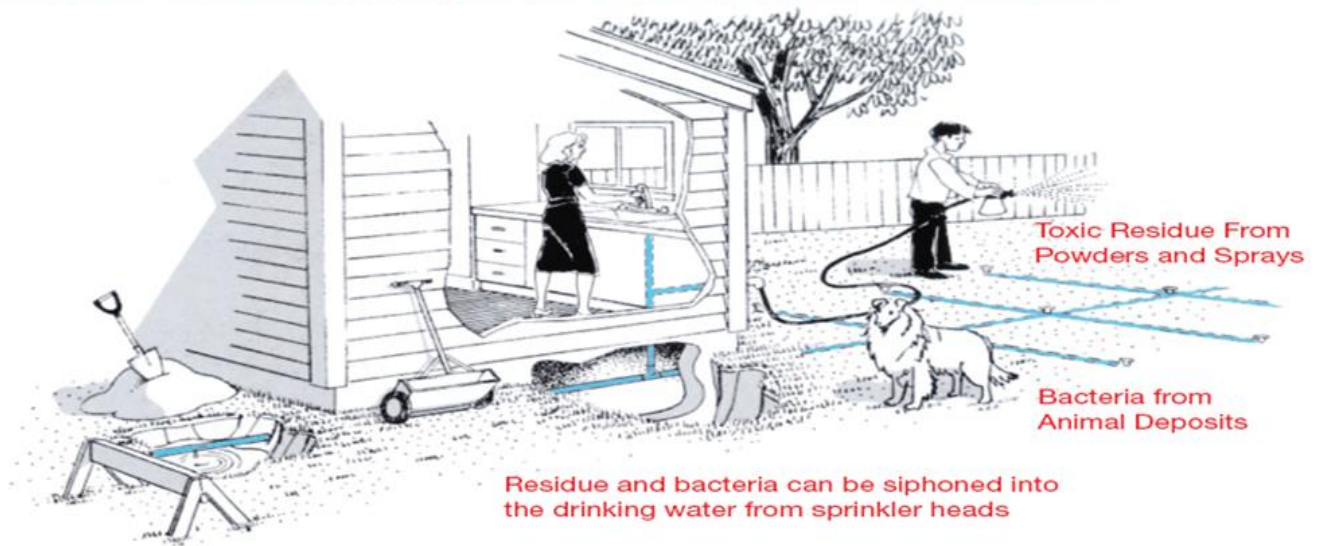
GUIDANCE CONCERNING LAWN IRRIGATION SYSTEMS

Lawn irrigation systems, both commercial and residential, are recognized by the Tennessee Department of Environment & Conservation (TDEC), Division of Water Resources as an actual and potential cross-connection to a public water system. The contact between the sprinkler heads and the soil or submergence of sprinkler heads allows a connection between the potable water system and water of unknown or unsafe quality.

Soil and standing water in contact with the sprinkler heads poses a significant risk of containing bacteria such as E.coli, Cryptosporidium, and Giardia, other pathogens, and hazardous chemicals (pesticides and herbicides) used for lawn care. Many lawn irrigation systems use toxic chemicals injected in the piping to fertilize and eliminate undesired plants.

Should the water system pressure suddenly decrease, such as in the case of a water main break, line flushing, or during a major fire involving multiple fire hydrants, these harmful substances can be back-siphoned into the water distribution system. They may be subject to various on-site conditions such as additional water supplies, chemical injection, booster pumps, and elevation changes. All of these conditions must be considered when determining backflow protection.

Backflow prevention for irrigation systems



Required Protection for Lawn Irrigation Systems by Public Water Systems:

- For public water systems to protect their distribution lines, lawn irrigation systems are protected by a Reduced Pressure Principle Assembly (RPA). A Reduced Pressure Principle Detector Assembly (RPDA) may be used if there is not a separate line and meter to track water usage.
- Double Check Valve and Double Check Detector Assemblies (DCVA and DCDA) cannot be used for premises isolation on lawn irrigation systems. These type assemblies may only be used on Class 1-3 fire systems. Water which contains or may contain pathogens or harmful chemicals is considered a health hazard and must be protected by a RPA or RPDA only.
- Pressure vacuum breakers, Spill-resistant vacuum breaker, and atmospheric vacuum breakers may not be used to protect the public water system's main-line piping or distribution system. These devices are point-of-use devices and may not be used for premises isolation.
- Assemblies must be tested annually.
- Assemblies on lawn irrigation systems must be tested during the start-up period (typical maximum time limit is within 90 days). Annual testing just prior to winterization or seasonal shutdown is not acceptable. Testing may also be initially staggered in order to reduce problems with scheduling tests.



WELL USER AGREEMENT OF NON-USE OR CONNECTION TO THE PUBLIC WATER SUPPLY

In accordance with CUB’s Cross-Connection Control Program and Tennessee state law, a private well or auxiliary water source may not be connected in any manner to the public water supply unless proper protection against cross-connection is provided. Only a Reduced Pressure Backflow Preventer or an approved air gap (complete separation from public water supply) may be used for such protection. These devices must have prior approval by CUB. Any person whose premises are supplied with water from the public water system, and who also has on the same premises a well or other auxiliary water source, or who stores water in an uncovered or unsanitary storage reservoir from which the water is circulated through a piping system, shall file with CUB a completed original of this statement regarding the nonexistence of unapproved or unauthorized cross-connections, auxiliary intakes, bypasses or interconnections. Customers using the public water supply and not in compliance with this rule will have their water service discontinued.

Check appropriate box:

This serves as notification that a well is located on the property at the following address:

This serves as notification that a well is not located on the property at the following address:

Please type or print complete address

I (we) understand and agree that this system is, and shall remain totally segregated from the public water supply, and no unapproved or unauthorized cross-connections, auxiliary intakes, bypasses, or interconnections with any type of irrigation systems or otherwise will be permitted without the proper cross-connection control device and written approval of CUB.

I (we) further understand and agree that should an auxiliary water supply be connected to the public water system at the above address, CUB will be contacted and maximum cross-connection control equipment in the form of an approved air gap or reduced pressure backflow prevention device shall be installed, before such connect is made, to protect the public water supply.

Date: _____

Name: _____

Notary: _____

Signature: _____

Commission Expires: _____