TOWN OF GEORGETOWN, INDIANA

ORDINANCE NO: G-13-06

AN ORDINANCE CREATING A CROSS-CONNECTION CONTROL PROGRAM FOR THE GEORGETOWN, INDIANA WATER SYSTEM

WHEREAS, The Town Council for the Town of Georgetown, Indiana desires to provide a program for protecting the public water system from contamination due to backflow of contaminants through the water service connections into Georgetown's public water system; and

WHEREAS, 674 IAC, Article 16, Rule 1.2 of the Indiana Plumbing Code, as adopted by the Indiana Fire Prevention and Building Safety Commission, requires protections of the public water supply from contaminants due to backflow through connections to fire protection and standpipe systems; and

WHEREAS, The Indiana Department of Environmental Management authorizes the maintenance of a continuing program of cross-connection control which will systematically and effectively prevent the contamination of all potable water systems.

NOW THEREFORE, BE IT ORDAINED AS FOLLOWS:

SECTION 1. That a cross-connection shall be defined as any physical connection or arrangement between two otherwise separate systems, one of which contains potable water from the Georgetown Water System, and the other from a private source, water of unknown or questionable safety, or steam, gases or chemicals, whereby there may be a flow from one system to the other, the direction of the flow depending on the pressure differential between the two systems.

SECTION 2. That no person, firm, or corporation shall establish or permit to be established or maintain or permit to be maintained any cross connection. No interconnection shall be established whereby potable water from a private, auxiliary, or emergency water supply other than the regular public water supply of Georgetown may enter into the supply or distribution system of Georgetown, unless such private, auxiliary, or emergency water supply shall have been approved by the Georgetown water utility and by the Indiana Department of Environmental Management in accordance with 327 IAC 8-10.

SECTION 3. That it shall be the duty of the Georgetown Water Utility to cause inspections to be made of all properties served by the public water system where cross-connections with the public water system is deemed possible. The frequency of inspections and re-inspections based on potential health hazards involved shall be

established by the Georgetown Water Utility.

SECTION 4. That upon presentation of credentials, the representative of the Georgetown Water Utility shall have the right to request entry at any reasonable time to examine the property served by a connection to the public water system of Georgetown for cross-connections. On request, the owner, lessee or occupant of any property so served shall furnish to the inspection agency any pertinent information regarding the piping system or systems on such property. The refusal of access or refusal of requested pertinent information shall be deemed prima facie evidence of the presence of cross-connection.

SECTION 5. That the Georgetown Water Utility is hereby authorized and directed to discontinue water service to any property wherein any connection in violation of this ordinance exists, and to take such other precautionary measures deemed necessary to eliminate any danger of contamination of the public water system. Water service shall be discontinued only after reasonable notice is served upon the owner, lessee, or occupants of the property or premises where a violation is found or suspected to exist. Water service to such property shall not be restored until the cross-connection(s) has/have been eliminated in accordance with the provisions of this ordinance.

SECTION 6. That if it is deemed by the Georgetown Water Utility that a cross-connection or an emergency endangers the public health, safety or welfare and requires immediate action, and a written finding to that effect is filed with the Clerk of Georgetown and delivered to the consumer's premises, service may be immediately discontinued. The consumer shall have an opportunity for hearing within ten (10) days of such emergency discontinuance.

SECTION 7. All consumers using toxic or hazardous liquids, all hospitals, mortuaries, wastewater treatment plants, laboratories, and all other hazardous users shall install and maintain a reduced pressure principal backflow preventer in the main water line serving each building on the premises. The backflow preventer must be installed in an easily accessible location not subject to flooding or freezing.

SECTION 8. The reduced pressure principle backflow preventers shall not be installed below ground level.

SECTION 9. That this ordinance does not supersede the Indiana Plumbing Code, the IDEM Rule 327 IAC 8-10 or any plumbing ordinance of the Town of Georgetown, but is supplementary to them.

SECTION 10. In addition to IDEM Rule 327 IAC 8-10-4 (c), certain customer facilities, as determined by the Georgetown Water Utility need a backflow prevention device:

SEE EXHIBIT "A" FOR LIST OF POTENTIAL HAZARDS

SECTION 11. If, in the judgment of the Water Operator, an approved backflow

EXHIBIT "A" POTENTIAL HAZARDS

Almost all water-using facilities may have actual or potential cross-connection hazards. The following is a partial list of facilities where cross connections are likely to be found and the recommended device for backflow prevention. The type of device or method of protection required should be commensurate with the degree of hazard.

Facility	**Device**
Aircraft and missile plants	RP
Automotive plants	RP
Beverage bottling plants	RP
Breweries	RP
Car washes	RP
Canneries, packing houses and reduction plants	DC
Chemical plants	RP
Commercial laundries and dye works	RP
Dairies and cold storage plants	DC
Fertilizer manufacturing plants	RP
Fountains	AG/RP/PVB/SPVB/DC
Film laboratories	RP
Medical buildings, hospitals, mortuaries, morgues, sanitariums and nursing homes	RP
Laboratories	RP
Metal manufacturing, cleaning, plating, processing and fabricating plants	RP
Motion picture studios	RP
Oil and gas production plants	RP
Paper and paper products plants	RP
Photo labs	RP
Power plants	RP
Rubber plants	RP
Schools and colleges with laboratories	RP
Swimming pools	AG/RP/PVB/DC
Wastewater treatment plants, and wastewater and storm water pumping stations	RP
Waterfront facilities and industries	RP
Water treatment plants	RP

Any fixture with a submerged inlet could be a cross-connection hazard. Potential cross-connections exist between the consumer's water system and the following fixtures. The devices listed are only recommendations. The type of device or method of protection required should be commensurate with the degree of hazard.

Fixture	**Device**
Air-conditioning equipment with dual safe and unsafe water supplies or with direct sewer connection for wastewater	RP
Aquariums with a below-the-rim water inlet	AG/RP
Aspirator on surgical, dental or industrial equipment operated by water ejector	AVB
Aspirators on chemical sprayers	AVB
Automatic device for filling tanks, boilers and vats which have overflow connections to a sewer	AG/AVB
Automatic soap dispenser	AG/AVB
Any direct connection between water pipes and sewers, even though gate valves are used	RP
Any individual vat, tank, etc., which has an inverted water supply connection or a water supply connection below the top of the spill rim	RP
Baptistery with below-the-rim water connection	AG/AVB
Bath with below-the-rim water connection	Not allowed
Bedpan washer and sterilizer with below-the-rim water connection, or with inverted water supply subject to direct contamination	AVB
Bidet with submerged inlet	AVB
Boilers	AG/RP
Bird bath with submerged inlet	AG/RP
Cellar drains of the water ejector type	AG
Cistern supply in private home, cross connected with the city supply	RP
Coffee urn with direct water supply and sewer connections	AVB
Combination faucet with one safe and one unsafe supply	AVB
Condenser on medical and industrial equipment	AG/RP
Cuspidor with water supply connection	RP
Commercial dishwashing machines	AVB
Dual water supplies, such as hot water supply from an unsafe source	AG/RP
Dental cuspidor and saliva ejector with unprotected water supply connection	RP
Drinking fountain with submerged water inlet or with the water supply line passing through the drain	Not allowed
Dishwasher with water inlet below the rim	AVB

Dual water supplies cross connected in factories, etc.	RP
Egg boiler having direct water supply and sewer connections	AVB
Ejector actuated by direct water connection	RP
Filter with waste connected direct to sewer	AG
Fish pond with submerged water inlet	AG/RP
Floor drain with flushing connection, often used in operating rooms	AVB
Flush meter valve not protected with siphon breaker	AVB
Foot tub with submerged water inlet	Not allowed
Floor drain having automatic device for sealing	AG
Frost-proof hydrant, whether or not the valve drains to the sewer or to the ground surrounding the sewer	AVB
Fire hydrant with drain connection to sewer or weephole to the sewer or to the ground surrounding the sewer	RP
Garbage can washers	AVB/PVBA
Gas-type chlorinator with dual feed to mixing basin and clear well	AG/RP
Grease trap with water supply connection for flushing	AG
Hose for sink, laundry tray, soap kettles, etc.	AVB
Hose outlets for washing down industrial, commercial or other equipment	AVB
Hydraulic elevator with waste connection direct to sewer	AG
Hospital equipment such as autoclave, instrument sterilizer, utensil sterilizer, etc., with submerged inlets and with direct connections to the sewer	RP
Industrial processes requiring direct water connections	RP
Industrial water supplies process appliances with direct water supply connections not having adequate air gaps	RP
Kitchen fixtures with common waste and supply lines	Not allowed
Kitchen sink garbage disposal or grinder	AG/AVB
Lawn sprinkling systems	SPVB/PVB/DCV
Lawn sprinkling systems with automatic chemical dispenser	SPVB/PVB/RP
Leaky water main or service near sewer	RP
Make-up water tank at swimming pool with below-water inlet	AG
Ordinary home and store-type evaporative air cooling units, with a float valve to maintain water at a constant level	RP
Pump used for dual purposes, with one safe and one unsafe supply	AG/RP
Pump used for unsafe material having a direct water connection for priming	AG/RP
Pump pit with drain connection to sump or sewer line	AG
Rubber hose with hand control or self-closing faucets attached, as used in connection with baths, industrial vats,	

containers, etc.	AVB
Refrigeration equipment with water cooling	AG/RP
Rubber hose connection extending water line to below the overflow rim of sinks, lavatories, tanks, tubs, laboratory apparatus, etc.	AVB
Sealing ring on sewage pump with direct water connection	AG/RP
Sewage lift with direct water connection	AG/RP
Sinks with below-the-rim water inlets	Not allowed
Sludge line with direct water connection for flushing	AG/RP
Sterilizers of all kinds, both medical and dental, with submerged inlets	RP
Still with direct water connection	RP
Steam table with water supply connection entering the bottom of the table	AVB
Seat-action water closet with pressure tank having a flush valve in or attached to the bowl	AVB
Swimming pool with direct water connection	AG/RP
Siphon flush tank with water connection below the overflow rim	AG
Therapeutic bath with submerged inlet	AG
Toilet equipped with flush meter valve attached to the bowl	AVB
Tumbler washer in beverage sink having submerged inlet	AG/AVB
Tank with inverted supply or below-the-rim supply	AG
Urinal having direct flushing device	AG
Vat with inverted supply or below-the-rim supply	AG/RP
Water softener waste discharge or overflow pipe	AG
Water cooler improperly designed and using toxic refrigerant which may pollute the water supply	RP
Watering troughs (dairies, hog farms and horse stables)	AG/AVB
Water-operated aspirator on a suction flask in laboratories, etc.	AVB
Water-operated aspirator in undertaking establishments, hospitals, etc.	AVB
Water closet of the hopper type with pressure tank having a flush valve in or attached to the bowl	AVB
X-ray developing tank with submerged water supply inlet	RP
Yard hydrant having drip openings below ground surface that may allow polluted ground water to drain into the water supply pipes	RP

prevention device is necessary for the safety of the public water system, the Water Operator will give notice to the water consumer to install such an approved device immediately. The water consumer shall, at his or her own expense, install such an approved device at a location and in a manner approved by the Water Operator and shall have inspections and tests made of such approved devices as required by the Water Operator and in accordance with IDEM Rule 327 IAC 8-10.

ALL OF WHICH IS ORDAINED THIS 12 DAY OF ~~MAY~~ JUNE, 2013.

GEORGETOWN TOWN COUNCIL

BY: MIKE MILLS, PRESIDENT

BY: JERRY BROCK, MEMBER

BY: PATTI DENISON, MEMBER

BY: KATHY HALLER, MEMBER

BY: JIM TRIPURE, MEMBER

ATTEST:

DOUGLAS COOK, TOWN CLERK/TREASURER