

**Village Ordinance
13.04.03 A.**

Sanitary Sewers. No person shall discharge or cause to be discharged, any unpolluted waters such as stormwater, groundwater, roof runoff, subsurface drainage, or cooling water to any sanitary sewer.

**Wisconsin
Administrative
Code: Comm 82.36
(4)(b)4.03 A.**

Segregation of wastewater.
2. Stormwater or clear water piping may not connect to a sanitary drain system.

**Disconnect sump
pumps from sanitary
plumbing drains.**

Village of Twin Lakes
P.O. BOX 1024
Twin Lakes, WI 53181

**Village of
Twin Lakes**

**Guide to
Sump Pump
Discharges**



Inspection Program

The Village of Twin Lakes will initiate a Sump Pump Inspection Program in the near future. The goal of this program is to reduce the amount of infiltration and inflow of clear water into the sanitary sewer system by removing sump pump discharges from the Village sanitary sewer system. Before this program takes place, residents should ensure that their own property is in compliance.

What is Inflow and Infiltration?

Inflow and infiltration are terms used to describe the ways clear water (groundwater and storm water) enter the sanitary sewer system. Infiltration occurs when groundwater seeps into the sewer pipes through cracks, leaky joints, or deteriorated manholes. Inflow occurs when water is directed from sump pumps or downspout drains into the sanitary sewer.

Why is clear water a problem?

Clear water entering the waste water collection and treatment system creates two main problems:

- First, it consumes system capacity. An 8-inch sanitary sewer can handle sewage from up to 200 homes. If only 8 sump pumps discharge to this same sewer, it will overload the sewer. If clear water is directed into the sanitary sewer the capacity is ultimately overwhelmed, sewers can back-up into houses, and the system will eventually overflow from manholes causing flooding of raw sewage into the environment. This creates health and safety issues that can be costly to resolve.
- Secondly, clear water that reaches the treatment plant is treated unnecessarily. This increases the cost of treatment and adds to the wear and tear of the equipment, reducing its life span. The added cost of treating this clear water is then passed onto each customer.

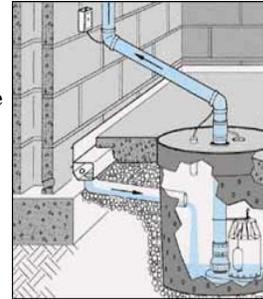


What is the solution?

Inflow water from sump pumps and gutters needs to be directed to the ground surface where it can then make its way to drainage ditches, storm sewers, or the lakes. The Sump Pump Inspection Program will identify those sump pumps that are improperly connected to the sanitary sewer and will provide direction on how to remedy this problem.

What is a sump pump?

The sump pump is a mechanical device, which is located in the sump pit and is used to regulate the level of water within the sump. This device enables ground water to be discharged onto the surface or to the storm sewer system.



Sump Pump Discharge

The sump removes water from the drain tile (a perforated pipe adjacent to the foundation walls designed to collect ground water), which flows to the sump pit. Once the water in the sump pit reaches a certain level, the sump pump starts and pumps the groundwater through the discharge pipe. The sump pump discharge pipe is usually located at the side of the house. The sump pump discharge should spill onto a splash pad or through a flexible hose to a drainage way or storm sewer. It is important to provide a splash pad and/or a flexible hose for the discharge to minimize soil erosion at the foundation wall and re-circulation of the ground water back to the drain tile. The flexible hose and/or splash pad should be directed away from structures toward the adjacent drainage way or ditch.



What should I do?

- Disconnect sump pumps from interior sanitary plumbing drains that discharge to the Village's sanitary sewer system.
- Maintain positive drainage away from your foundation.
- Make sure discharges are not directed onto an adjacent property, sidewalk, or street.
- Ensure that the lateral from your house to the main in the street is in good condition and is not broken or cracked.
- Remember, the sanitary sewer system is designed to manage normal flows of sewage, not rainwater or water from sump pumps.
- For questions contact the Village Sewer Department at 877-3404 or the Village Building Inspector at 877-3700.



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