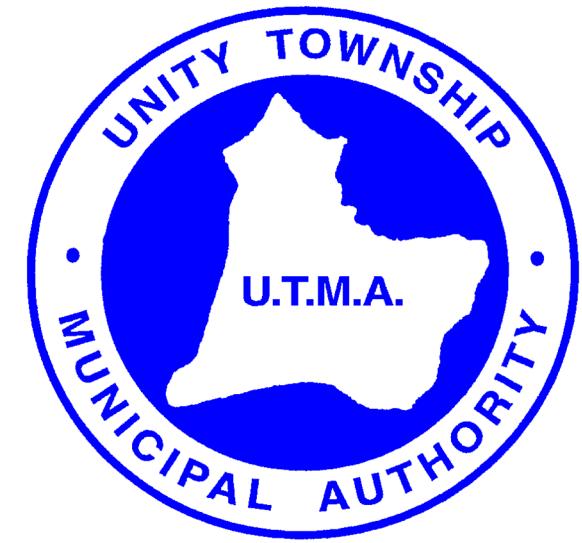


**I&I** is a small acronym for a huge problem most sanitary sewer communities face. I&I stands for **Inflow** and **Infiltration**. Inflow occurs when rainwater is misdirected into the sanitary sewer system instead of storm sewers. Some examples of **inflow** connections include roof leaders, footer drains, sump pumps, manhole covers and cross connections from storm sewers. The remedy for inflow is to remove improper connections from the sanitary sewer system. **Infiltration** occurs when ground water seeps into the sanitary sewer system through cracks or leaks in sewer pipes. These problems are typically caused by age related deterioration, loose joints, damage or root intrusion. The remedy for infiltration is repairing or replacing the leaking pipes.



Inflow  
&  
Infiltration

Unity Township Municipal Authority  
370 Pleasant Unity Mutual Road  
Greensburg, PA 15601

Ignored I&I results in excessive flows in the sewers and into the wastewater treatment plant. This becomes a very costly problem for all of us. I&I affects the quantity of wastewater that needs to be treated, the capacity of our sewer pipes, wastewater treatment plant and ultimately, the rates that we pay.

The worst impact of I&I is the likelihood that the sewage can overflow out of the sewer pipe and into our environment. Raw sewage entering the environment from a sanitary sewer is often referred to as a SSO or Sanitary Sewer Overflow.

I&I takes up valuable capacity in the wastewater treatment plant and may limit future growth in the township.

## What Can You Do

- ◆ Check that gutters and outside drains are not connected to sanitary sewers.
- ◆ Avoid planting trees and shrubs over sanitary sewers. The roots can damage the structure of the sewer pipes and allow infiltration.
- ◆ Keep caps and vents at least six inches above the ground surface and replace broken caps.
- ◆ Ensure that basement sump pumps are not connected to the sanitary sewer.
- ◆ Replace or repair any known broken, leaky or problem sections of sewer pipe that are located on your property.

## Who We Are

The Unity Township Municipal Authority (UTMA) owns and operates approximately 180 miles of collection line, 8 pump stations and two wastewater treatment plants serving approximately 7,100 customers, including homes, businesses and industries. Wastewater generated by these customers is processed at the 0.950 MGD Pleasant Unity Wastewater Treatment Plant, 0.950 MGD 14 Mile Run Wastewater Treatment Plant, 5 MGD Latrobe Municipal Authority Wastewater Treatment Plant and the Hempfield Township Authority New Stanton Plant.

UTMA's annual operating budget is approximately \$6,000,000.

### Contact Us

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Visit us on the web: [www.utmapa.org](http://www.utmapa.org)