

# Pataskala Utilities Department

## Sewer Main Line Inspection

The City of Pataskala Utilities Department plans to implement sound wave technology to more efficiently inspect sewer main lines in the collection system?

In previous years, the method of sewer main cleaning involved the use of a Jet-Vac truck which uses high pressure water to clean out the sewer main from one manhole to the next. The only way to inspect whether the line was blocked with debris was to use a specialized camera to film the inside of the sewer main. This new inspection system uses a sound wave emitter and a sound wave receiver to send multiple frequency sound waves from one manhole to the next. The amount of sound waves that make it from the emitter to the receiver represents the severity of any blockage that a main line may be experiencing.



Using this information, an educated decision can be made on which sewer mains are in need of a Jet-Vac truck to clean them, preventing the Utility Department from cleaning lines unnecessarily which saves both time and money.



The Utility Department contracts with FeeCorp Inc. to do its sewer main inspection and cleaning. Using the Jet-Vac to clean every sewer main is a time consuming process that requires a large quantity of water. The sound wave inspection process is expected to be up to five times quicker. No water will be needed unless a blockage is discovered and needs removed.

The Utility Department is very proactive in preventing sewer main blockages. This new process should allow us to increase our annual sewer main inspection program from 1/3 of the collection system currently, to the entire collection system moving forward, keeping us in front of potential issues.

Every year, the Department budgets \$30,000 for sewer main cleaning/ inspection. The sound wave inspection process will allow us to inspect more sewer mains every year at no additional costs.

**We are happy to answer any questions at: Utilities Department, 621 W Broad St, 740-964-6275**

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