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# NEWS RELEASE

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## Smoke Testing of Sanitary Sewer Planned

DUBUQUE, Iowa – The City of Dubuque Engineering and Public Works Departments continue to inspect the sanitary sewer system for signs of excessive wear and tear, as well as for structural defects and storm water pipeline cross connections. Through the Inflow and Infiltration (I&I) Reduction Program, the Engineering Department will conduct smoke testing in selected areas Tuesday, Aug. 4, through Friday, Aug. 7. Smoke testing is most effective to identify large cross connections with the storm sewer system and sanitary sewer system.

Smoke testing of the sanitary sewer system will be conducted in the area bounded approximately southwest of Auburn Street to Asbury Street and southeast of Dexter Street to Loras Blvd (See map attached.) An inspection crew will travel throughout the neighborhood, lifting manhole lids, setting out testing equipment, and entering yards to observe and record the smoke testing.

The goal of the I&I Reduction Program is to reduce the amount of rainwater and groundwater that enters the sanitary sewer system during wet weather. Allowing these clean water connections causes sanitary sewer back-ups into basements, overflows into creeks and wetlands, and increased operating costs to process the water at the Water & Resource Recovery Center. Removing this clean water will reduce collection and treatment costs, allow the sanitary sewer system to work more effectively, allow the city to optimize the performance of the existing pipe system and treatment, and minimize sanitary sewer backups into basements.

Smoke testing consists of introducing Hurco LiquiSmoke (manufacturer and product), which is a non-toxic smoke, into sanitary sewer pipe sections under moderate pressure. The crews will document where the smoke is emitted and prioritize needed repairs. Since the smoke will be placed into the sewer system that is connected to homes, residents are encouraged to pour tap water into their floor drains and sinks. This small amount of water creates a seal that keeps the smoke out of the homes. Residents do not need to be present during smoke testing.

Dry traps, drains without traps, and other plumbing defects will allow the smoke to enter the dwelling connected to the sewer line that is being tested. The smoke is non-toxic, leaves no residue, and creates no fire hazard. Should a resident have concerns, please consult the Hurco LiquiSmoke MSDS (Material Safety Data Sheet) for further information. This information can be found at <http://www.cityofdubuque.org/1526/Smoke-Testing> or you can call the I&I Hotline at (563) 690-6113 or the City Engineering office at (563) 589-4270 for a copy of the Sheets. If a resident is present and smoke enters the house or building, please report all locations to the work crews (563-513-8966) and open a window to allow the smoke to dissipate. It may also be desirable to contact a plumber if the smoke enters the house in a manner other than a dry drain trap.

For more information on the I&I Reduction Program and sanitary sewer smoke testing, visit [www.cityofdubuque.org/iandi](http://www.cityofdubuque.org/iandi) or call the I&I information line at 563-690-6113.

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