

SJRA SANITARY SEWER TRANSMISSION ASSESSMENT & RENEWAL (SSTAR) PROGRAM



MARCH 2019

ABOUT THE SSTAR PROGRAM

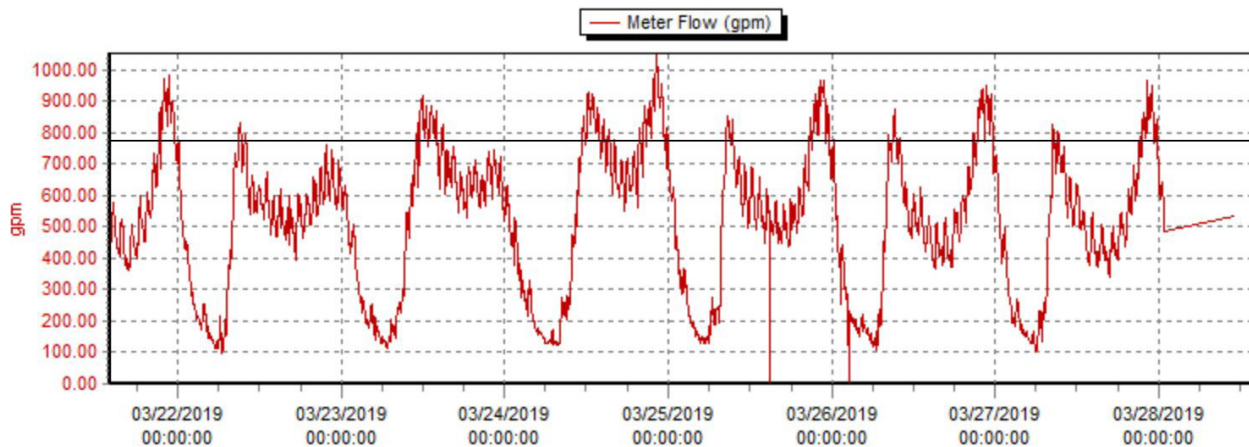
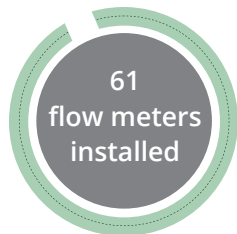
The SSTAR Program is a community-wide, comprehensive assessment of the aging wastewater collection system in The Woodlands. The SSTAR Program is being conducted in two steps. The first step uses flow meters installed in pipes and rainfall monitoring to identify and quantify inflow and infiltration (I&I) in the system. The second step is a visual condition assessment of the wholesale system to assist with prioritizing rehabilitation projects for pipes, manholes, and pump stations by determining when rehabilitation is needed. These two steps will assist in prioritizing areas for further inspection and rehabilitation, and ultimately repairing those areas to improve the Woodlands system. By maintaining the system before it fails, there will be a reduced chance for sewage overflows into homes, businesses, and the environment.

PROJECT UPDATE MARCH 2019

SJRA, its consultant, and field crews have completed installation of 61 out of 63 temporary flow meters in the Woodlands sewer system. The remaining two flow meters will be installed along the Bear Branch Gravity Main in Spring 2019.

The data collection process began on March 1, and will continue for a minimum of six months. Although nearly all flow meters have been installed, field crews will be performing routine maintenance over the next six months, so field crews may be seen opening manholes to check, maintain, and calibrate flow meters. During the month of April, SJRA staff and field crews will perform inspections at lift stations throughout The Woodlands.

Below is an example of the information gathered from one flowmeter to assist in determining which areas may have excessive I&I. This information will be collected over the next six months and collectively reviewed along with the condition assessment data to prioritize future rehabilitation projects.



Example of data collected from one flow meter

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