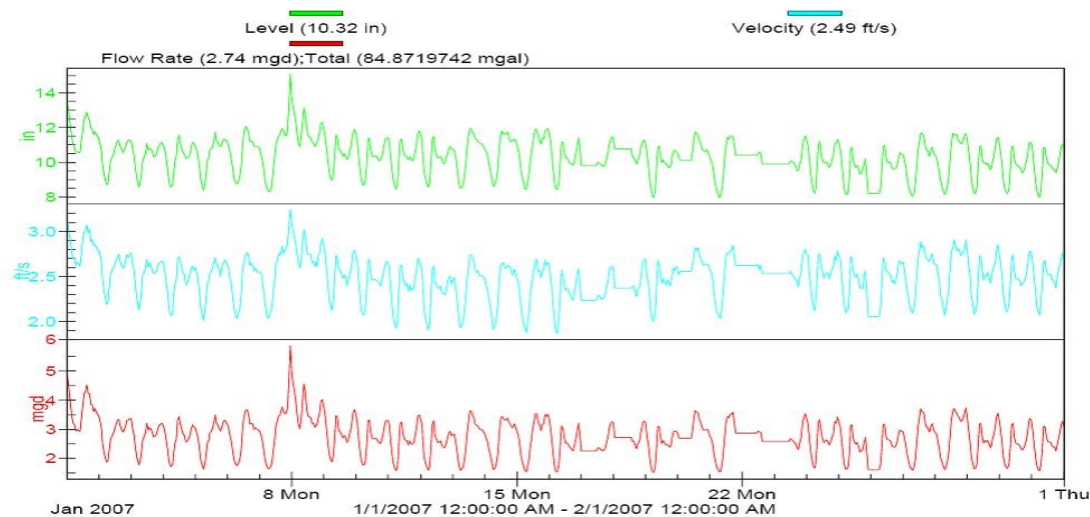


DeKalb County: Sanitary Sewer Flow Monitoring

Project:	Monitoring, calibrating, data retrieval, troubleshooting, equipment installation and reporting for over 250 flow and rainfall monitors.
Client:	DeKalb County, GA; Department of Watershed Management.
Location:	DeKalb County, GA
Completion:	In Progress (Annual Contract)



Objective: To provide accurate data on sanitary sewer flows and rainfall in order to effectively manage the sanitary sewer collection systems within DeKalb County.



Access to timely, reliable and accurate flow and rainfall data is critical to municipalities satisfying regulatory mandates to efficiently and effectively operate their sanitary sewer systems. Data collected can be analyzed and used as a management tool for (i) Capacity Management and Certification, (ii) Supporting Data for Planning and Development (iii) Estimating the levels of inflow and infiltration (I&I) in the sanitary sewer system, (iv) Calibration of Hydraulic Models, (v) Development and Prioritization of Capital Improvement and Rehabilitation Projects, (vi) Reducing/Eliminating Sanitary Sewer Overflows, (vii) Satisfying Regulators and (viii) Assessing Boundary Flows and inter-jurisdictional payments for sewer services

Since 2004, MME has been performing system-wide flow and rainfall monitoring and reporting services of over 250 monitoring sites within DeKalb County. Services include:

Installation

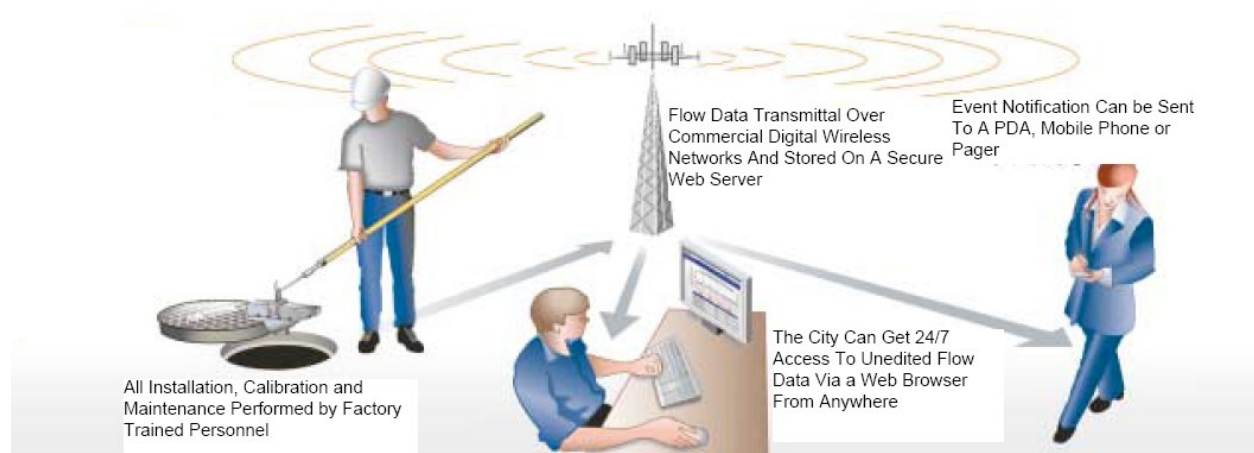
Installation of new equipment in accordance with manufacturer's technical requirements and protocols established by the client as it relates to location, installation and acceptance.

Maintenance, Calibration and Trouble Shooting

Perform diagnostics on the instruments to assure the quality of the signals and check that the calibration of the instruments is within the tolerance range recommended by the manufacturer.

Monitoring

MME performs daily remote monitoring of the installed meters and rain gauges. This daily monitoring is facilitated by crews having access to site data via a web-based system. With this web-based system, measured site data can be transmitted, stored off-site and securely accessed over the internet.



Reporting

Monthly Reports

The monthly report includes graphical representations of calibration, flow regime and rainfall data parameters for each monitor and rain gauge. Data to be reported on routinely are flow, level, velocity and other parameters such as meter battery voltage.

Analysis and Special Reports

When requested, MME can use current premier flow data management software to establish seasonal diurnal flow patterns and wet weather flows to generate I& I study graphs and reports.