

City of Atlanta, Georgia

Cellular Wireless Water Flow Monitoring Program

Sanitary sewer flow measurement is a growing trend, which enables local governments to identify sanitary/storm sewer problems and determine percentage of ownership/responsibility of publicly owned treatment facilities. However, putting people in the field to obtain flow measurements from the various meters can be costly. Many cities, like the City of Atlanta, are looking to cellular wireless technology to defer some of the expense. Utilizing a Multi-Tech MultiModem GPRS wireless modem, the Department of Watershed Management is now able to collect data from the field remotely saving time and money.

Due to the economic value being placed on water treatment today, the City of Atlanta has entered into contractual agreements with six surrounding jurisdictions that are tributaries to Atlanta's owned and operated treatment facilities. There are approximately 120 different jurisdictional sewer crossings around the Atlanta area and Atlanta has elected to measure the flow at the various locations.

With the City of Atlanta's limited resources and numerous locations to maintain at all political crossings, they elected to go with cellular and solar technology.

"We were able to work closely with Multi-Tech to establish a string of AT commands that enable our software (Flowlink) to communicate with the various types of open channel meters (ISCO) in the field," explains Patrick Woodall, Pollution Control Monitor Principal for the City of Atlanta. "We don't need a person to actually be on site which has eliminated the expense of hiring and training new people."

An additional benefit of the solution is that they now have constant communication with all remote stations throughout the city regardless if land lines/power is available. The City of Atlanta has a server set up that is scheduled to call each site twice a day.

"The City of Atlanta Flow Monitoring Program is grateful for all of the technical assistance that was provided by Multi-Tech during the implementation of our solution," explains Woodall. "Although there are other cellular modem manufacturers out there, after we looked into prices, quality and their ability to provide technical assistance, as far as we were concerned there weren't any others. There simply is no comparison to Multi-Tech."



MultiModem GPRS

- GPRS Class 10
- Dual-band 850/1900 or 900/1800 MHz GSM/GPRS
- Packet-switched data rates up to 85.6K bps
- RS-232, USB, Bluetooth® and Ethernet interfaces
- Rugged industrial chassis design with desktop or panel mounting
- Carrier approved

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the Office of Watershed Protection was established to spearhead the City's efforts to develop a forward-looking environmental ethic to guide the

Department of Watershed

Management in its mission of establishing a first-class water and wastewater system. It provides oversight of the City's compliance with Consent Decree mandates, specifically in the areas of greenway acquisition, erosion control, grease management. Additionally, the Office coordinates with state and federal regulatory agencies to ensure the City's compliance with the



For more information contact:

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