

IntelliServe Alarming System Improves Monitoring and Data Efficiency

Indianapolis, Indiana

Alarming and Notification System

Indianapolis, IN - Like most American cities, Indianapolis had been facing increased scrutiny from residents about water quality issues. The U.S. EPA and state environmental agencies were calling for Indiana's 105 cities with combined sewers to minimize or eliminate raw sewage overflows into local waterways. These overflows often occur after a quarter-inch or more of rain. In response, the Indianapolis Public Works Department and United Water, the City's contract operator, hired ADS to implement IntelliServe®, a Web-based notification system. IntelliServe alerts city employees to overflows before they occur and gathers data that is being used to create a \$1 billion plan to update its combined sewer system.

Public works officials selected IntelliServe because they required a new computer system that would alert them immediately to unusual flow conditions in the City's 132 overflow outlets, and so they could inform the public of affected streams and rivers. The system also needed to integrate data from three different departments that recently had been combined to improve collection system management in Indianapolis.



About **ADS**

ADS Environmental Services®, a division of ADS® LLC, is a leading technology and service provider and a reliable source of knowledge to the global wastewater collection system industry. ADS delivers value to its customers by providing industry-leading solutions for flow monitoring, data analysis, reporting, and field services.

Primary accomplishments:

- Reduced expense of monitoring CSOs
- Reduced labor and risks to labor
- Improved accuracy of data
- Improved ability to share data

Services Provided by ADS

- Long term flow monitoring
- Web-based alarming and notification
- Field services

Underground Intelligence® from ADS

IntelliServe enables public works employees to use Web browsers to see flow and depth data at meter locations throughout the collection system and determine if sewer lines are flowing as designed and to capacity, or whether hydraulic problems, such as blockages, exist. The system alerts staff members to wet and dry conditions in the sewer system, analyzes trends, and has the ability to work with flow monitors from multiple vendors.

The IntelliServe System helps public works staff pinpoint operations and maintenance issues in the collection system. In the future, the City can use the data to model the collection system, monitor treatment plants, and plan capital projects.



A 3-million-gallon underground storage tank, completed in the Fall of 2004, has significantly reduced the raw sewage overflows into the White River in downtown Indianapolis. This tank is part of the city's long-term plan to reduce sewage overflows and restore Indianapolis rivers and streams.

"I can't stress enough that accurate and reliable data is extremely important in developing capital improvement projects, especially projects as large as our long-term control plan. The data the City collects now, through IntelliServe, will allow us to create precise models to demonstrate the effectiveness of our plans to the EPA."

Carlton Ray
 Administrator of Environmental Engineering
 City of Indianapolis



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UNDERGROUND INTELLIGENCE® by ADS...for improved collection system performance!