SMARTCOVER SYSTEMS
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Lift Station Backup

Case Study

SmartCover® Aids with Lift Station Back-Up: Preventing an Overflow and monitoring During an Emergency Repair in Carpinteria

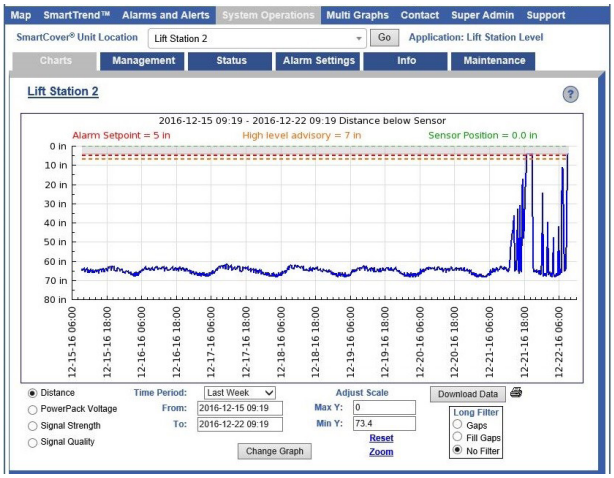
Who: Carpinteria, CA

Problem: The Carpinteria Sanitary District (CSD) is an independent special district which provides wastewater collection, treatment and disposal services to residents and businesses of the City of Carpinteria, CA and surrounding unincorporated areas in the Carpinteria Valley. CSD is responsible for cleaning and maintaining 42 linear miles of sewer pipeline and approximately 4,300 lower lateral sewers throughout the City of Carpinteria and surrounding areas.

On December 15, 2016, Matt Oliver, the CSD Collection System Supervisor, called SmartCover Systems after hours to make sure that their SmartLevel unit located at Lift Station 2 was operating properly because they had an issue with a minor force main leak at this lift station.

Due to the "bypass" configuration of the lift station and the location(s) of backup wet well monitoring telemetry equipment, CSD primarily relied on SmartCover data to monitor and manage the levels during repair operations.

Details: Aided by real-time data (see graph below) from SmartCover, CSD staff were able to first, identify that there was an issue and second to monitor the line while an emergency bypass was installed around the cracked portion of the force main.



Results: The emergency repairs were accomplished quickly and without any sanitary sewer overflows (SSO) during the process. As Matt Oliver, from Carpinteria stated "The real-time data provided by the SmartLevel unit at Lift Station 2 bolstered our situational awareness and allowed us to properly configure our bypass system."

SmartLevel monitors are widely used by utillities for lift station backup, particularly in critical locations adjacent to waterways or commercial areas. Because they are battery powered and use the highly reliable Iridium Satellite System for communications, users are confident that SmartLevel monitors assure an extra layer of protection and can provide visibility to remote locations.

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