

Long Term Monitoring with Focused Temp Studies Orange County, California

Orange County, California – The Orange County Sanitation District (OCSD) was experiencing increasing I/I over the last two decades and high peaks at the treatment plants. Their network was 90% built out with a variable mix of residential, commercial, industrial, and some military. They were considering costly improvements to the ocean outfall and plant operations.

Services Provided by ADS

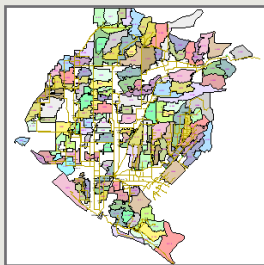
- Five year long term monitoring program with 150 monitors beginning in November 2001
- A phased meter reduction plan including basin area changes.
- Data analysis and data processing with web reporting of data using IntelliServe.
- Semi-annual I/I reports for the entire system.
- Focused temporary flow monitoring studies in trunk lines.

Primary accomplishments:

- ADS achieved a 97% data uptime.
- Data reported to OCSD on IntelliServe website consistently met the monthly delivery schedule.
- Basin area performance results have been mapped and indicate that 20% of the metered areas contribute 40% of the I/I peaks.
- OCSD has used the data provided by ADS to support Cooperative Project Program funding decisions and capacity related CIP projects.
- OCSD has information from ADS identifying low priority areas.
- OCSD can view flow performance in various trunk lines prior to conducting site visits.
- Trunk flow data was used to refine a newly developed model and support a regulatory mandated Sanitary Sewer Management Plan.
- OCSD has been determined to be very proactive in the management and operation of their system by the member agencies and governing boards.

Underground Intelligence® from ADS

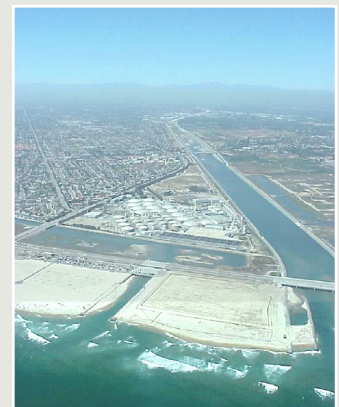
OCSD was in need of data and analysis to understand what areas of their network were causing the capacity problems that required resolution. They had many questions they needed to answer in order to make decisions about necessary improvements and select priority funding areas based on I/I severity and cost-effectiveness of improvements. They also wanted to gain knowledge that would enable them to manage dry and wet weather capacity issues on an ongoing basis.



Basin map of the Orange County Sanitation District (OCSD)

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.



Aerial view of the Orange County Sanitation District (OCSD) Wastewater Treatment Plant

ADS ENVIRONMENTAL SERVICES®

A Division of ADS LLC

ADS. An IDEX Water & Wastewater Business. **IDEX**

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

www.adsenv.com