

Enhanced Compliance Action (ECA) Report Card	
Regional Water Board	Region 9 - San Diego
Total Project Cost	\$397,272
ECA Funding	\$385,092.00
Approval Date	3/14/2013
Project Category	Other (Capital Improvements)

Cured In Place Pipe (CIPP) Lining and SmartCover Sewer Monitoring Systems	
OUTCOMES:	<input checked="" type="checkbox"/> Satisfactory <input type="checkbox"/> Unsatisfactory

Summary

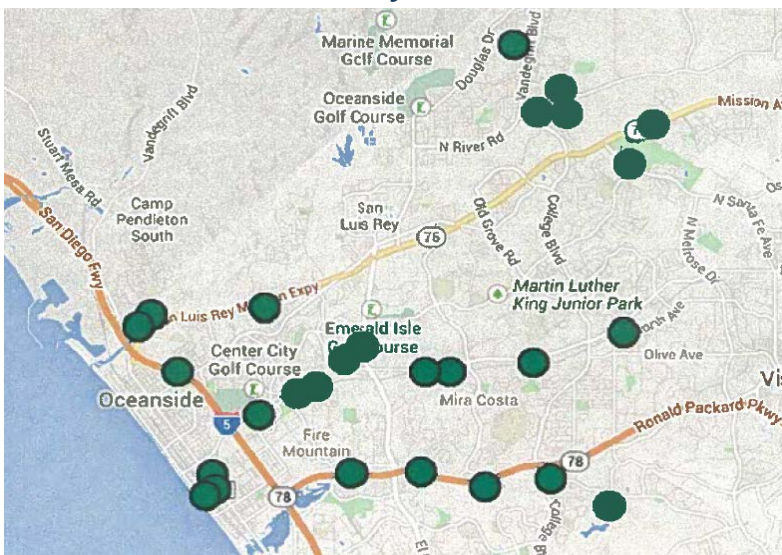
The City of Oceanside (City) has completed two ECAs. The first ECA was to complete the lining of sewer pipes with various types of material including PVC, HDPE, or cured-in-place product as an effective method of increasing the structural stability of existing sewer pipe without the necessity to excavate. The City has identified three areas, (North Santa Fe, Capistrano, and North River Road segment), that would substantially benefit from the installation of a CIPP liner in existing sewer lines.

The second ECA was for the City to purchase and deploy 20 SmartCover units within priority areas of the City to monitor the sewage collection. The SmartCover is a self-contained wireless level monitoring system with immediate alarming and historical data logging capabilities. One of the primary uses of the SmartCover system is the prevention and advanced notification of sanitary sewer overflows (SSOs). This is achieved by continual monitoring of the water level within a collection system. This enables the respondent to receive advance notice of an issue arising in the collection system so that corrective action can be taken before an overflow occurs.

Project Location Map



The 27 SmartCover Sewer Monitoring Systems within the City of Oceanside



Water Quality Outcomes

- Lining of the three segments in the city of Oceanside should increase the service life of the existing sewer pipes by approximately 50 years, and will significantly decrease the possibility of pipe failure and the resulting sewage discharge to the surface waters adjacent to the collection system assets.
- Both ECA projects will reduce the infiltration and the exfiltration of bacteria and other pollutants contained in raw sewage to the environment and waters of the State.
- A SmartCover website is available to the public that shows the 20 new systems along with the original 7 systems, and operation will notify residents of any potential SSOs.