

**COUNTY OF LOS ANGELES
DEPARTMENT OF BEACHES AND HARBORS**

Malibu-Surfrider Septic System Improvement Project



Summary of Conditions: The leach system at the Malibu Lagoon (Surfrider) Beach public restroom has exceeded its useful lifespan and ceased to function properly thus posing a risk for system sewage leaks. The beach has been historically prone to severe erosion from storms, which have compromised or destroyed structures on or adjacent to it.

Project Objective: The principal project objective is to reconstruct the existing septic system serving the beach restroom at a more upland location, thereby further distancing this potential source of beach

water quality contamination. In addition to protecting the investment to replace the new septic system and leach field, a seawall will also address health concerns by reducing the amount of bacteria and effluents from being released into Santa Monica Bay. The sea wall is recommended due to the results of a Wave Uprush Report.

Project Scope: The project will implement septic system corrective measures to prevent wastewater discharge to the receiving waters, which has a reasonable likelihood of adversely affecting human health or the environment.

Approach: The project consists of the removal of the existing septic pump and tank, abandonment of the existing leach field, and installation of an advanced septic system, including pump, tank, telemetry monitoring system, filter pod, and leach field. The new septic systems and leach field will have increased capacity and will be more efficient in sanitizing wastewater. The project will also include a below grade sea wall near the restroom and leach field where exposure to high tides from severe storm events could result in the destruction of the restroom structure and septic system. The sea wall will be approximately 100 to 200 feet in length, as much as 30 feet deep, and comprised of concrete, rock, steel or wood.

2nd Annual Progress Summary
Prop. 40 Clean Beaches Initiative Program
Grant Agreement #06-313-550-0
September 30, 2008
Page 2

Progress Summary: The project is being managed by the Los Angeles County Department of Public Works (DPW) Water Resources Division and will be completed using Board-Approved Job Order Contractors and As-Needed Consultants. DPW completed the plans and is currently in the process of obtaining approval.

Milestone Achieved: The Chief Executive Office is finalizing a Board letter, which, once approved, will allow DPW to proceed with managing the project.

Schedule: Construction is scheduled to start on September 29, 2008 and be completed by December 31, 2008.

Other Public Agencies Partners: Los Angeles County Department of Public Works, Los Angeles County Chief Executive Office, State of California Water Resources Control Board, Los Angeles Regional Water Quality Control Board.

Project Funding Sources: State Water Resources Control Board, County of Los Angeles.

Clean Beaches Initiative Funding: \$106,800

Project Effectiveness: The project is in the pre-construction stage and there is not measurable data to report at this time.