

**MONTARA WATER AND SANITARY DISTRICT, MONTARA, CA
KANOFF AND NIAGARA PUMP STATION IMPROVEMENTS
SEPTEMBER 2007 ANNUAL PROGRESS SUMMARY**



The Montara Water and Sanitary District has obtained grant funding from the State Water Resources Control Board's Clean Beaches Initiative to fund 18% of the renovation of two sewage pump stations. The Kanoff and Niagara pump stations are located adjacent to Montara State Beach and the Fitzgerald Marine Reserve in San Mateo County. The renovations to these pump stations are needed to prevent sewage overflows to public beaches and the ocean. Some overflows have been experienced at the Kanoff Pump Station (picture at left), adding to the urgency of the project. Due to their location, adjacent to the ocean, the pump stations are subject to accelerated corrosion from the salt air, and this requires rehabilitation on a more frequent basis than that for inland pump stations. Construction began in May 2007. As of September 2007, the rehabilitation of Kanoff Pump Station is about 60% complete, and the rehabilitation of Niagara Pump Station is about 50% complete (pictures below).

Kanoff (formerly Chart House) Pump Station Improvements - This project involves the removal of the existing below-grade steel pump station structure and installation of a new concrete pump pit with two 30-horsepower submersible pumps. A third 30-horsepower submersible pump will be installed in the existing concrete wet well ahead of the pump station. A valve pit will be constructed to house the plug valves and check valves as necessary to tie into the double force mains, which pump south along Highway 1 to the Montara Pump Station. The engine generator will be replaced with a new 120 kilowatt engine generator within the existing building. New electrical equipment will be installed.

Niagara Pump Station Renovation - This station requires replacement of the pump and motor and certain other associated items to insure it remains in good working condition to serve the properties on the Vallemar Bluffs and as a backup to the Vallemar Pump Station.

