

Point Loma Ocean Outfall NPDES Shore Stations D4 Investigator Annual Report

The City of San Diego Marine Microbiology laboratory is tasked with the sampling duties required for The Point Loma Ocean Outfall NPDES Permit shoreline monitoring stations. This includes eight stations that extend from Ocean Beach north to the Point Loma Light house south. These sites are sampled for water quality testing on a weekly basis such that each day of the week is represented over a two month period. Samples are analyzed for total coliform, fecal coliform and enterococcus indicator bacteria. Results are used to evaluate compliance with recreational water standards and to address issues of beach water quality. The laboratory's technical staff has the primary responsibility for all of the aspects of sample collection and delivery. Samplers are trained in proper sampling technique including how to use sampling gear and personal protective equipment, the proper handling of samples using aseptic technique, the appropriate procedures for labeling, the requirements of sample preservation, and observation of holding times.

Samplers are required to complete thorough documentation of sample site visual observations including chain-of-custody paperwork for each of the samples obtained. Samplers are trained to document and report any unusual events or peculiarities that may have an impact on analytical results. These may include environmental aspects at the sample site, sample transit conditions or equipment performance.

Shoreline sampling & monitoring for water quality in support of the Point Loma Ocean Outfall NPDES Permit continued through 2014. Eight shoreline stations that extend from Ocean Beach north to the Point Loma Light house south were sampled every 6 days and analyzed for total and fecal coliform and enterococcus indicator bacteria. Results were used to evaluate compliance with permit and recreational water standards and to address issues of beach water quality. Results for each day of monitoring have been sent to Cabrillo NM staff and are available for public view at the City of San Diego's web site through this link:

<http://www.sandiego.gov/mwwd/environment/oceanmonitor/data/ptloma/index.shtml>

This data is provided in Comma Separated Value (.csv) format and is updated on quarterly basis. The complete Annual Receiving Water Monitoring Report for the Point Loma Ocean Outfall can also be obtained through the following link:

<http://www.sandiego.gov/mwwd/environment/oceanmonitor/reports/index.shtml>