

STATEMENT OF BASIS

CITY OF TACOMA CENTRAL WASTEWATER TREATMENT PLANT NDPES PERMIT NO. WA0037087

The purpose of this statement of basis is to explain the need to modify the discharge permit and provides the basis for changes to its limitations and conditions.

I. GENERAL INFORMATION

Permittee: City of Tacoma
2201 Portland Avenue
Tacoma, WA 98421

Discharge Location: Commencement Bay, Puget Sound
Latitude: 47° 16' 41.7" N
Longitude: 122° 25' 09" W

II. REQUEST FOR MODIFICATION

During permit development for the City of Tacoma Central Wastewater Treatment Facility, the Department of Ecology (Ecology) used a simple mixing model and a fecal coliform background concentration from water quality monitoring station CMB003. The modeling showed a predicted violation of the fecal coliform water quality standard for the receiving water using technology-based limits for effluent concentrations. Therefore, to be protective of the receiving water the water quality standard for fecal coliform was placed in the permit.

At that time, Ecology acknowledged that it was possible that the ambient monitoring station did not closely represent the conditions in the vicinity of the Central Wastewater Treatment Facility outfall. Tacoma was given the option of performing a receiving water study to show that there was sufficient assimilative capacity in the vicinity of the outfall for the technology limits for fecal coliform to be protective of water quality standards.

In June of 2004, the City of Tacoma undertook a year long receiving water study to determine if using the technology-based limits and the ambient conditions around the Central wastewater facility outfall would be protective of the water quality standards. The results of the Commencement Bay Fecal Coliform Study, prepared by Cosmopolitan Engineering Group, August 2005, showed that the technology-based limits for fecal coliform were protective of the water quality. Therefore, the water quality-based permit limits of 100 cfu/100 mL as a monthly average and 200 cfu/100 mL as a weekly average will be replaced with the technology-based limits of 200 cfu/100 mL as a monthly average and 400 cfu/100 mL as a weekly average for fecal coliform.

This statement of Basis will serve as an amendment to the Fact Sheet and Permit.