

EXECUTIVE OFFICER SUMMARY REPORT
December 11, 2014

ITEM: 8

SUBJECT: NPDES Permit Amendment: An order to amendment Order No. R9-2011-0016, NPDES No. CA0107433, *Waste Discharge Requirements for the City of Oceanside's San Luis Rey Water Reclamation Facility, La Salina Wastewater Treatment Plant, and Mission Basin Groundwater Purification Facility (MBGPF) Discharges to the Pacific Ocean via the Oceanside Ocean Outfall* (Tentative Order No. R9-2014-0108). (Kristin Schwall)

PURPOSE: To consider adopting Tentative Order No. R9-2014-0108, amending Order No. R9-2011-0016. **(See Supporting Document No. 1)**

RECOMMENDATION: Adoption of Tentative Order No. R9-2014-0108 is recommended.

KEY ISSUES: The Tentative Order proposes modifications to Order No. R9-2011-0016 to reflect updated hydraulic capacity calculations for the Oceanside Ocean Outfall (OOO) and changes made to the location where wastewater flows from Mission Basin Groundwater Purification Facility (MBGPF) and Genentech enter the City of Oceanside's land outfall system.

PRACTICAL VISION: National Pollutant Discharge Elimination System (NPDES) permits, such as Order No. R9-2011-0016, are the chief regulatory approach for controlling point source pollutant discharges to surface waters for the protection of human health and the environment. Consistent with the mission of the *Strategy for Healthy Waters* chapter of the Practical Vision, modification of Order No. R9-2011-0016 is proposed to ensure that the Order accurately describes current conditions and integrates all applicable technology-based and water quality-based standards to optimize protection of water quality and beneficial uses in ocean waters.

Also, by increasing the wastewater flow limitation for the OOO, the San Diego Water Board is providing opportunities for increased development of water recycling and desalination facilities capable of augmenting local drinking water supplies, consistent with the mission statement of the *Strategy for Achieving a Sustainable Local Water Supply* chapter of the Practical Vision: "To use the San Diego Water Board's leadership and regulatory authority to encourage, promote, and facilitate development of new and diverse sustainable local water supplies in an environmentally responsible manner."

DISCUSSION:

On January 12, 2011, the San Diego Water Board adopted Order No. R9-2011-0016, National Pollutant Discharge Elimination System (NPDES) No. CA0107413, establishing waste discharge requirements for the City of Oceanside (Discharger or City) to discharge up to 22.6 million gallons per day (MGD) of treated wastewater to the Pacific Ocean via the OOO. Order No. R9-2011-0016 was amended on June 13, 2012 and November 13, 2012, to include monitoring by continuous turbidimeter and to incorporate local limits for the City's pretreatment program respectively.

A 34,000-foot-long land outfall pipeline is used to convey treated wastewater from the San Luis Rey Water Reclamation Facility to the OOO, which begins at the La Salina Wastewater Treatment Plant site just north of the mouth of Loma Alta Creek and extends 8,850 feet offshore (**See Supporting Document No. 2**). Because of a hydraulic conveyance constriction in the land outfall at Monitoring Location M-004, Order No. R9-2011-0016, as amended, limits combined wastewater discharges from the OOO to a flow rate of 22.6 MGD. By letter dated May 1, 2014, the City submitted a request to amend Order No. R9-2011-0016 to adjust the flow rate limitations to account for new calculations of the hydraulic capacity of the land outfall at Monitoring Location M-004 and the OOO at Monitoring Location M-005.

By letter dated August 18, 2014, the City also requested to change the location where wastewater flows from MBGPF and Genentech corporation enter the land outfall. Currently, wastewater flows from these sources enter the land outfall via a 10" brine line. The City plans to discontinue use of the brine line and install piping that directly conveys brine wastewater from Genentech Corporation and the MBGPF to the land outfall **(See Supporting Document No. 2)**.

The San Diego Water Board has reviewed the City's amendment requests and determined that the requested changes are appropriate. The Tentative Order proposes to amend Order No. R9-2011-0016 as requested by the City to reflect the new calculations of hydraulic capacity for the ocean outfall and to change the location where wastewater flows from MBGPF and Genentech Corporation enter the City's land outfall.

LEGAL CONCERNS:

None

SUPPORTING DOCUMENT:

1. Revised Tentative Order No. R9-2014-0108
2. Location Map

PUBLIC NOTICE:

On October 3, 2014, the Tentative Order was sent to the City of Oceanside and all known interested parties. The Tentative Order was also posted on the San Diego Water Board website. Notice was also provided in the Meeting Notice and Agenda for the December 11, 2014 Board meeting.