

EXECUTIVE OFFICER SUMMARY REPORT
June 22, 2016

- ITEM: 9
- SUBJECT: NPDES Permit Amendment: An Order to Amend Order No. R9-2015-0002, NPDES No. CA0107492, *Waste Discharge Requirements for the Padre Dam Municipal Water District, Ray Stoyer Water Recycling Facility Discharge to Sycamore Creek, San Diego County* (Tentative Order No. R9-2016-0099). (*Joann Lim*)
- PURPOSE: To consider adopting Tentative Order No. R9-2016-0099, amending Order No. R9-2015-0002 (Tentative Order).
- RECOMMENDATION: Adoption of Tentative Order No. R9-2016-0099 (**Supporting Document No. 1**) is recommended.
- KEY ISSUES:
1. If adopted, the Tentative Order will change the trigger for accelerated monitoring and development and implementation of a Downstream Bacteria Evaluation and Action Plan, to bacterial indicator exceedances at Monitoring Location EFF-001A (immediately downstream of the wastewater treatment system) rather than the trigger being exceedances at Monitoring Location EFF-001B (immediately downstream of the Santee Lakes).
 2. If adopted, the Tentative Order will also correct the performance goals for several constituents.
- PRACTICAL VISION: Consistent with the mission of the *Strategizing for Healthy Waters* chapter of the Practical Vision, Order No. R9-2015-0002 integrates all applicable technology-based requirements, water quality-based effluent limitations, and receiving water quality standards in order to optimize protection of water quality and beneficial uses in Sycamore Creek and the San Diego River. Additionally, Order No. R9-2015-0002 has provisions allowing for

participation in regional monitoring and assessment programs in keeping with San Diego Water Board Resolution No. R9-2012-0069, *Resolution in Support of a Regional Monitoring Framework*.

DISCUSSION:

On May 13, 2015, the San Diego Water Board adopted Order No. R9-2015-0002, NPDES No. CA0107492, establishing waste discharge requirements for the Padre Dam Municipal Water District (Discharger) to discharge up to 2.0 million gallons per day of tertiary-treated wastewater from the Ray Stoyer Water Recycling Facility (Facility) into Sycamore Creek, a tributary of the San Diego River (**Supporting Document No. 2, Location Map**).

The tertiary-treated wastewater from the Facility that is not sent to reuse sites is dechlorinated and released into a series of ponds and lakes. The lakes, known as the Santee Lakes, periodically overflow to Sycamore Creek. Under Order No. R9-2015-0002, there are two effluent monitoring locations: one located immediately downstream of the wastewater treatment system (Monitoring Location EFF-001A) and one located immediately downstream of the Santee Lakes before the overflow to Sycamore Creek (Monitoring Location EFF-001B). (See **Supporting Document No. 3**)

To ensure that the effluent from the Facility is not causing or contributing to exceedances of receiving water limitations for bacterial indicators in Sycamore Creek and the San Diego River, Order No. R9-2015-0002 includes effluent limitations, receiving water limitations, and other discharge specifications related to the discharge of treated wastewater to Sycamore Creek.

In the event that one or more bacterial indicators at Monitoring Location EFF-001B (the Santee Lakes discharge monitoring station) and a Sycamore Creek monitoring station (located downstream of the Santee Lakes) both exceed permitted limitations the Discharger is required to:

- Perform accelerated effluent and receiving water monitoring;
- Develop and implement a Downstream Bacteria Evaluation and Action Plan; and
- Take immediate action to correct any malfunctions with the disinfection system at the Facility.

By letter dated December 10, 2015, the Discharger requested that Monitoring Location EFF-001A (immediately downstream of the wastewater treatment system), rather than Monitoring Location EFF-001B (immediately downstream of the Santee Lakes), be used to trigger these requirements because of the Discharger's inability to control the concentrations of bacterial indicators in the Santee Lakes introduced by wildlife in and around the lakes.

The San Diego Water Board has reviewed the Discharger's request and has determined that the requested changes are appropriate. If adopted, the Tentative Order will amend Attachment E of Order No. R9-2015-0002, Table E-4, Table E-5a, and section VI (page E-18), as requested by the Discharger to modify the trigger for accelerated monitoring and for development and implementation of a Downstream Bacteria Evaluation and Action Plan.

Additionally, the Discharger requested that the San Diego Water Board correct errors in the calculation of several performance goals in Tables 6 and F-15 of Order No. R9-2015-0002. The San Diego Water Board has reviewed the Discharger's request and has determined that the requested changes are appropriate. The Tentative Order will, if adopted, make these corrections as requested by the Discharger.

The Tentative Order was released for public comment on April 13, 2016. No comment letters were received.

LEGAL CONCERNS: None

SUPPORTING
DOCUMENTS:

1. Tentative Order No. R9-2016-0099 with Attachment 1 (Amended Order No. R9-2015-0002)
2. Location Map
3. Flow Diagram And Effluent Monitoring Locations Map

PUBLIC NOTICE:

The Tentative Order was noticed and released for formal public review on April 13, 2016. On April 13, 2016, a public notice was published in the San Diego Union Tribune newspaper. Notice was also provided in the meeting notice and agenda for the June 22, 2016 Board meeting, which is posted on the San Diego Water Board's website. The release for public review and comment also included an email sent to all known interested parties and posting on the San Diego Water Board's website.