

**REGIONAL WATER QUALITY CONTROL BOARD
SAN DIEGO REGION**

**EXECUTIVE OFFICER SUMMARY REPORT
August 12, 2020**

ITEM NO. 12

SUBJECT

Consideration of Tentative Order No. R9-2020-0108, *Master Recycling Permit for Sudberry Development, Inc. and PERCWater, Civita Water Reclamation Facility, San Diego County* (Tentative Order). (Sherrie Komeylyan)

STAFF RECOMMENDATION

Adoption of Tentative Order No. R9-2020-0108 (**Supporting Document 1**), as amended, is recommended.

KEY ISSUES

1. The Tentative Order establishes waste discharge requirements (WDRs) and water recycling requirements (WRRs) for the production, distribution, and use of recycled water from the Civita Water Reclamation Facility (Facility). Collectively the WDRs and WRRs serve as a Master Recycling Permit.
2. The Tentative Order includes operation, treatment, design, and monitoring requirements based in part on recommendations from the State Water Resources Control Board's Division of Drinking Water (DDW) for the protection of public health. These requirements implement recycled water criteria specified in Title 22 of the California Code of Regulations (Title 22).
3. The Tentative Order includes effluent limitations based on the *Water Quality Control Plan for the San Diego Basin (9)* water quality objectives to protect the beneficial uses of the Mission San Diego Hydrologic Subarea of the San Diego Hydrologic Unit.

PRACTICAL VISION

Adoption of the Tentative Order is consistent with the goals of the Sustainable Local Water Supply chapter of the *San Diego Water Board Practical Vision*.¹ This project will result in potable water conservation and increased regional use of recycled water, as envisioned by the State Water Resources Control Board 2018 Water Quality Control Policy for Recycled Water (Recycled Water Policy).²

¹ The San Diego Water Board Practical Vision is available electronically at the following website:
https://www.waterboards.ca.gov/sandiego/water_issues/programs/practical_vision/

² The State Water Resources Control Board's 2018 Recycled Water Policy is available electronically at the following website:

DISCUSSION

The Facility is owned and operated by Sudberry Development, Inc. and PERCWater (collectively, Discharger) and is located at the northwest corner of Friars Road and Russell Parkway in the City of San Diego (City) (**Supporting Document 2a**).

Constructed as part of the Civita Development Project, the Facility is a scalping plant, which diverts and treats a portion of the wastewater flow from the City's sanitary sewer to produce recycled water. The tertiary treated recycled water will be used by the Civita Homeowners Association to support onsite landscape irrigation and offset the use of potable water. Due to the seasonal demand for recycled water at the Civita Development Project, the Facility may have a surplus or deficit of recycled water. The Discharger anticipates surplus conditions will occur during wet weather months and will dispose excess recycled water into the City's sanitary sewer system. The Discharger also anticipates deficit conditions during dry weather months and will supplement the recycled water with potable water to meet peak irrigation demands.

The Facility's treatment process includes influent diversion and pumping, screening, an aeration tank, a membrane bioreactor, and a chlorine disinfection system. The Facility does not provide solids treatment or sludge processing onsite. Instead, these activities occur downstream and offsite, at the City's Point Loma Wastewater Treatment Plant. The Civita Development Project, at final buildout, is projected to produce an average wastewater flow of 1.684 million gallons per day (mgd) of raw sewage. The Facility is designed to produce a daily maximum of 0.33 mgd and a daily average of 0.26 mgd of disinfected tertiary recycled water in accordance with the requirements of the Title 22 California Water Recycling Criteria. Furthermore, in accordance with section 60323 of Title 22, the Discharger prepared a Title 22 Engineering Report for the Facility. To ensure the project complies with the Title 22, DDW reviewed the Title 22 Engineering Report and issued a conditional acceptance letter on June 30, 2020. In its letter, DDW specifies the following actions must be taken prior to the Facility's operation:

1. The Discharger facilitates DDW's observation of a Chlorine Contact Time Study;
2. The Discharger receives an operational conditions letter from DDW;
3. The Discharger prepares an operations plan, which includes the free chlorine treatment process, to be approved by DDW;
4. The Discharger prepares the facility-specific rules and regulations for the use of recycled water, to be approved by DDW; and
5. The Discharger receives DDW's alarm verification test letter, which includes the inspector's findings.

The environmental impacts associated with the construction and operation of the Facility were analyzed within the *Final Program Environmental Impact Report for the Quarry Falls Project* (Project No. 49068; SCH No. 2005081018, dated July 23, 2008) (EIR) filed for the Civita Development Project, which includes the Facility (**Supporting Document 3**). As a responsible agency under the California Environmental Quality Act,

https://www.waterboards.ca.gov/board_decisions/adopted_orders/resolutions/2018/121118_7_final_ame ndment_oal.pdf

the San Diego Water Board considered the EIR and the environmental effects of the Civita Development Project. The San Diego Water Board concurs that, with the mitigation measures incorporated into the Civita Development Project, as described in the EIR, the project will not have a significant impact on water quality or the environment.

The Tentative Order establishes WDRs and WRRs for the Facility's production, purveyance, and use of disinfected tertiary recycled water for beneficial reuse at irrigation sites (**Supporting Document 2b**). Together these requirements serve as a Master Recycling Permit. While preparing the Tentative Order for adoption consideration, San Diego Water Board staff made changes to the Tentative Order (**Supporting Document 1**) after the public comment period. These changes were made based on the recommendations of the State Water Resources Control Board, Office of Chief Counsel, and are considered non-substantive.

PUBLIC NOTICE

The Tentative Order (**Supporting Document 4**) was noticed and released for public review on May 14, 2020, with comments due on June 12, 2020. The Notice of Public Hearing and Comment Period was posted on the San Diego Water Board website for the duration of the comment period and sent to all known interested persons by email on May 14, 2020. A copy of the Notice and transmittal letter are included as **Supporting Documents 5 and 6**. A Meeting Notice and Agenda for the August 12, 2020, San Diego Water Board meeting was also posted on the Board's website. No comments were received during the public comment period. These actions satisfy the public notification requirements of Water Code, division 7, section 13167.5 for a 30-day notice and public comment period.

SUPPORTING DOCUMENTS

1. Tentative Order No. R9-2020-0108 Redline/Strikeout Version
2. Location Maps:
 - a. Civita Water Reclamation Facility Vicinity Map
 - b. Civita Water Reclamation Distribution System
3. Final Program Environmental Impact Report for the Quarry Falls Project
4. Tentative Order No. R9-2020-0108
5. Notice of Public Hearing and Comment Period
6. Tentative Order No. R9-2020-0108 Transmittal Letter