

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
CENTRAL VALLEY REGION

ORDER R5-2014-0023

AMENDING WASTE DISCHARGE REQUIREMENTS ORDER R5-2006-0114  
AND  
APPROVING A RECYCLED WATER EXPANSION REPORT

FOR

OAKWOOD LAKE WATER DISTRICT  
OAKWOOD LAKE WASTEWATER TREATMENT FACILITY  
SAN JOAQUIN COUNTY

The California Regional Water Quality Control Board, Central Valley Region (hereafter Central Valley Water Board) finds:

1. On 26 October 2006, the Central Valley Water Board adopted Waste Discharge Requirements (WDRs) Order R5-2006-0114, prescribing requirements for the Oakwood Lake Wastewater Treatment Facility (WWTF) in San Joaquin County.
2. Order R5-2006-0114 was issued to Oakwood Lake Water District and Beck Properties, Inc. because Oakwood Lake Water District owned the WWTF site improvements and operated the WWTF, but Beck Properties Inc. owned the land associated with the WWTF. The land has since been transferred to Oakwood Lake Water District, so the District is now the sole owner and operator of the WWTF. Oakwood Lake Water District is hereafter referred to as "Discharger."
3. The WWTF serves the Oakwood Lake subdivision and a neighboring mobile home park. The WWTF includes a sanitary sewer system, a wastewater treatment plant, and recycled water use areas. The wastewater treatment plant provides tertiary treatment using a sequential batch reactor (SBR) system, sand filters, and sodium hypochlorite and disinfection. It includes several geomembrane-lined treatment and storage ponds, and will include up to four geomembrane-lined disinfected effluent storage ponds at full buildout. Disinfected effluent is recycled to irrigate designated landscaped areas within the subdivision using drip and spray irrigation.
4. Initially, the WWTF served only the mobile home park. Order R5-2006-0114 revised the previous WDRs (Order 5-01-113) to regulate a new WWTF that would treat wastewater from the mobile home park and two phases of planned subdivision development. The initial WWTF was constructed to provide treatment capacity at full build out of the subdivision, and it was planned that storage and disposal capacity would be expanded as needed to accommodate the two phases of subdivision development. The 2005 Report of Waste Discharge (RWD) included water balance capacity analyses for the initial hydraulic capacity of the WWTF and planned expansion Phases I and II. The 2005 RWD's estimates of hydraulic capacity and

associated effluent storage and recycled water use area requirements for each phase are tabulated below.

Phase	Hydraulic Capacity (gpd as a monthly average)	Disinfected Effluent Storage Requirement (acre-feet)	Recycled Water Use Area Requirement (acres)
Initial	15,000	Not Applicable	Not Applicable
I	55,000	21.1	13.0
II	136,200	53.0	30.0

5. Discharge Specifications B.1 and B.2 of Order R5-2006-0114 allow the Executive Officer to authorize the first flow limit increase to 55,000 gpd upon approval of the following technical reports:
  - a. A *Recycled Water Expansion Report* with a water balance demonstrating sufficient storage and disposal capacity for the proposed flow limit increase (due 60 days prior to increasing the wastewater flow rate beyond the starting limit pursuant to Provision G.1.h);
  - b. An *As-Built Report* (or an update to that report) certifying that construction of the required WWTF improvements needed to provide sufficient capacity for the requested flow rate increase have been completed (due 30 days prior to operation of any new ponds, recycled water conveyance systems and recycled water use areas pursuant to Provision G.1.e); and
  - c. A *Recycled Water Application Plan* that documents compliance with all applicable Title 22 regulations and the WDRs requirements for any new recycled water use areas (due 30 days prior to application of recycled water to any new recycled use area pursuant to Provision G.1.f).
  
6. In January and February 2008, the Discharger submitted a *Recycled Water Expansion Report*, an *As-Built Report*, and a *Recycled Water Application Plan* to apply for a flow limit increase to 55,000 gpd. On 17 March 2008, the Executive Officer approved those reports. The Executive Officer's approval authorized the following:
  - a. A flow limit increase to 55,000 gpd;
  - b. Use of recycled water storage Pond Nos. 1 and 3 with a total storage capacity of 24.8 acre-feet; and
  - c. Use of recycled water use area LAA No. 1 and the eastern portion of LAA No.9, a total area of 15.7 acres.

7. Discharge Specification B.3 states:

*“Prior to the Executive Officer approving a monthly average flow rate over 55,000 gpd, the Regional Board shall consider a resolution approving the RWER and authorizing the flow rate increase. This specification only applies to the RWER request for a flow rate increase above 55,000. The monthly average influent flow rate may increase to 136,200 gpd after the Executive Officer approves the report required by Provision G .1.e, G .1.f, and G .1.h.”*

8. On 3 September 2013, the Discharger submitted a *Recycled Water Expansion Report* to apply for a flow limit increase to 77,700 gpd. A revised *Recycled Water Expansion Report* was submitted on 15 October 2013. The report states that:

- a. The Phase I expansion approval included 15.7 acres of recycled water use area, but irrigation systems were only installed for 7.4 acres.
- b. The 15.7 acres of recycled water use areas will provide sufficient disposal capacity for a monthly average flow of 77,700 gpd;
- c. A total of 28.8 acre-feet of disinfected effluent storage capacity is required for flows of 77,700 gpd; and
- d. The Discharger proposes to construct a new geomembrane-lined disinfected effluent storage basin with a capacity of 17.0 acre-feet, which will bring the total effluent storage capacity to 41.8 acre-feet.

The *Recycled Water Expansion Report* included a water balance capacity analysis that demonstrated the proposed improvements will provide sufficient treatment, storage, and disposal capacity for a monthly average wastewater flow of 77,700 gpd. It is therefore appropriate to approve the flow limit increase to 77,700 gpd conditioned on submittal of an *As Built Report* and *Recycled Water Application Plan* pursuant to WDRs Provisions G.1.e and G.1.f.

### **Proposed WDRs Amendment**

9. Order R5-2006-0114 describes in detail the initial construction and phased expansion of the WWTF, including estimated requirements for effluent storage and recycled water use areas through complete buildout of the Oakwood Lake subdivision. The locations of future storage ponds and recycled water use areas were defined and the maximum wastewater flow at full buildout was specified. The only work that remains to be completed in the future is successive expansions of the storage ponds and recycled water use areas. The Provisions of Order R5-2006-0114 require the Discharger to submit certain technical reports prior to constructing improvements associated with WWTF expansion and prior to increasing wastewater flows. Approval of these reports does not necessitate a public hearing, and the Executive Officer has traditionally been delegated the authority to approve WWTF expansions when such expansions have been explicitly envisioned in the WDRs and have undergone the appropriate environmental review pursuant to the California Environmental Quality Act.

10. As stated in Findings 81 and 82 of Order R5-2006-0114, the San Joaquin County Community Development Department certified a Final Environmental Impact Report (FEIR) for the entire Oakwood Lake development project on 16 January 2001. The WWTF that currently exists and the planned future expansions of the WWTF are not significantly different from what was described in the FEIR.

### **California Environment Quality Act**

11. The action to amend WDRs Order R5-2006-0114 is exempt from the provisions of Chapter 3 of the California Environmental Quality Act (CEQA) (Pub. Resources Code, § 21000 et seq.) because it involves no significant changes to the facility and is consistent with the existing Use Permit (Cal. Code Regs, tit. 14, § 15301).

### **Public Notice**

12. The Central Valley Water Board has notified the Discharger and interested agencies and persons of its intent to amend waste discharge requirements for this discharge and has provided them with an opportunity for a public hearing and an opportunity to submit their written views and recommendations.
13. The Central Valley Water Board, in a public meeting, heard, and considered all comments pertaining to the discharge.

**IT IS HEREBY ORDERED** that, pursuant to sections 13263 and 13267 of the California Water Code, the revised *Recycled Water Expansion Report* dated 15 October 2013 is approved and Order R5-2006-0114 is amended solely to change certain Discharge Specifications. Oakwood Lake Water District, its agents, successors, and assigns, in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted there under, shall comply with amended Order R5-2006-0114 as follows:

1. Discharge Specification B.2 shall be replaced with the following:

*“Effective on the date of Executive Officer approval of the reports required by Provisions G.1.e, G.1.f, and G.1.h for each successive expansion of the WWTF, influent flows shall not exceed the average monthly flow limit specified in the approval letter. The monthly average flow rate is defined as the total flow during the calendar month divided by the number of days in that month.”*

2. Discharge Specification B.3 shall be replaced with the following:

*“The Executive Officer shall not approve an average monthly flow limit that exceeds 136,200 gpd.”*

Any person aggrieved by this action of the Central Valley Water Board may petition the State Water Board to review the action in accordance with Water Code section 13320 and

California Code of Regulations, title 23, sections 2050 and following. The State Water Board must receive the petition by 5:00 p.m., 30 days after the date of this Order, except that if the thirtieth day following the date of this Order falls on a Saturday, Sunday, or state holiday, the petition must be received by the State Water Board by 5:00 p.m. on the next business day. Copies of the law and regulations applicable to filing petitions may be found on the Internet at:

[http://www.waterboards.ca.gov/public\\_notices/petitions/water\\_quality](http://www.waterboards.ca.gov/public_notices/petitions/water_quality)

or will be provided upon request.

This Order is effective as of the date of adoption.

I, PAMELA C. CREEDON, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, Central Valley Region, on 7 February 2014.

Original signed by

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PAMELA C. CREEDON, Executive Officer

ALO: 2/11/2014