

ITEM:

SUBJECT: Oakwood Lake Water District and Beck Properties, Inc.,
Wastewater Treatment Plant, San Joaquin County

BOARD ACTION: *Consideration of Revised Waste Discharge Requirements*

BACKGROUND: Oakwood Lake Water District and Beck Properties, Inc. are constructing a wastewater facility for a new planned community that will consist of residential and commercial developments in Manteca, San Joaquin County. The Wastewater Treatment Plant (WWTP) flow rate is initially limited to 15,000 gallons per day (gpd), but that flow limit can be increased to a maximum of 136,200. The existing treatment facility is currently regulated by WDRs Order No. 5-01-113, but that Order is being rescinded and the facility will be covered under this Order.

Because land development is continuing in phases, expansion of the recycled water storage ponds and land application areas will also be phased. The facility is presently treating a small amount of wastewater generated at a mobile home park. The mobile home park was part of the Oakwood Lake Resort (a water slide, campground, and concert venue). Although the resort closed in approximately 2005, the mobile homes are still occupied. Presently, the WWTP is being expanded to provide better treatment for wastewater that will be generated as a result of future land development.

This Order allows an initial flow of 15,000 gpd, but allows the Discharger to increase the flow limit upon verification that additional facilities have been constructed in conformance with the specifications of this Order. The Discharger has identified all the new land application areas and recycled water storage ponds and will demonstrate to staff that they meet the Order's conditions through the submittal of Recycled Water Expansion Reports (RWERs). Staff will review each RWER, and upon approval by the Executive Officer, the flow limit can be increase to a maximum of 136,200 gpd.

Comments were received from the Discharger and the California Sportfishing Protection Alliance. All the comments are addressed in the staff report, the most significant issues are discussed below.

ISSUES: CSPA is concerned that enforcement was not taken in response to the existing degraded groundwater. Staff's review of the data indicates the highest levels of groundwater contaminants were detected in samples collected where waste has not yet been applied. But some constituents were detected at the WWTP. If an enforcement order were prepared it would include requirements that the Discharger implement Best Practicable Treatment and Control (BPTC); because the Discharger is implementing many

BPTC measures on a voluntary basis, there is no need at this time for an enforcement order.

CSPA states that alternate disposal options were not considered. Staff agrees it would be preferable for the discharge to go to the City of Manteca wastewater collection system. However, at this time there is no available capacity in that system. The Order includes requirements for the Oakwood Lake system to connect to a regional system and to prepare a financing plan to accomplish that goal.

CSPA states that the Order must prohibit discharge when soils are saturated. Staff's review of the data provided in the RWD indicates soils should not be saturated, except during unusually wet periods. The Order requires the Discharger to store recycled water during periods when application is inappropriate based on conditions.

CSPA also expressed concern over potential groundwater degradation from land application of recycled water. However, the wastewater treatment plant design and effluent recycling program incorporate numerous best practicable treatment and control (BPTC) measures, including lining of wastewater treatment and storage ponds with a minimum 40-mil high density polyethylene liner, or equivalent.

This Order requires that additional groundwater monitoring wells to be installed to continue the groundwater characterization at proposed land application areas and recycled water storage sites. If groundwater is degraded by the discharge or there is evidence that the discharge may cause degradation, then the Discharger will be required to evaluate and implement additional BPTC measures for each conveyance, treatment, storage, and disposal component of the system.

Other comments and concerns provided by CSPA are discussed in the staff report.

RECOMMENDATION: Adopt the Waste Discharge Requirements

Mgmt. Review _____

Legal Review _____

26/27 October 2006

Central Valley Regional Water Quality Control Board meeting
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670