

ITEM: 16

SUBJECT: City of Plymouth Wastewater Treatment Facility, Amador County

BOARD ACTION: *Consideration of Revised Waste Discharge Requirements*

BACKGROUND: The City of Plymouth Wastewater Treatment Facility (“WWTF”) treats and disposes of domestic wastewater from residential and commercial development. The WWTF consists of two aerated ponds, one unaerated pond, chlorination facilities, a 185 acre-feet storage reservoir, and 85 acres of on-site Land Application Areas (“LAAs”). Secondary disinfected wastewater is applied to the LAAs.

Waste Discharge Requirements (“WDRs”) Order R5-01-095 prescribes requirements for the WWTF, and allows a monthly average dry weather influent flow (“ADWF”) of 0.17 million gallons per day (“mgd”). The Discharger requested to increase the monthly ADWF limit from 0.17 to 0.185 mgd and allow year-round discharge to the LAAs.

Cease and Desist Order R5-2005-2006 (the “CDO”) was adopted by the Central Valley Water Board on 27 January 2005 due to a series of violations, the most serious of which were tailwater from LAAs discharging to surface water drainage courses and inadequate storage capacity. In 2005, the Discharger completed a number of physical improvements including additional aeration; storm water diversion around the effluent storage reservoir; earthen berms to control tailwater; and retrofitting one LAA to use sprinklers instead of flood irrigation. The Discharger also installed additional aerators; constructed a new headworks; removed sludge from the primary treatment pond; constructed a new concrete sludge drying bed; and repaired the sewer system to reduce inflow and infiltration. These improvements were complete in December 2010.

The WDRs prescribe an influent flow limit of 0.185 million gallons per day (ADWF) and an annual total flow limit of 82.5 million gallons. Three spray fields with earthen berms to control storm water runoff are allowed to be used year-round. The WDRs also require submittal of certain technical reports to improve sampling techniques, install a new background monitoring well, evaluate groundwater quality, complete the anti-degradation analysis, and implement BPTC measures for source control of RV waste chemicals.

ISSUES: None

RECOMMENDATION: Adopt the revised Waste Discharge Requirements.

Mgmt. Rev _____ December 2011 Central Valley Water Board Meeting
Legal Rev _____ 11020 Sun Center Dr. #200
Rancho Cordova, CA 95670