

ITEM: 11

SUBJECT: County of Sacramento Department of Waste Management and Recycling,
Kiefer Landfill Groundwater Extraction and Treatment Plant, Sacramento County

BOARD ACTION: *Consideration of NPDES Permit Renewal (NPDES Permit No. CA0083681)*

BACKGROUND: The County of Sacramento Department of Waste Management and Recycling (Discharger) is the owner and operator of the Kiefer Landfill Groundwater Extraction and Treatment Plant (Facility), an on-site groundwater extraction and treatment plant established as a means of controlling contaminant migration and removing contaminants from groundwater. The groundwater treatment system is fed by a groundwater extraction network consisting of 14 extraction wells. Groundwater extracted from the extraction well network is delivered to a central air stripping facility that includes two air stripping towers for the removal of Volatile Organic Compounds (VOCs) from groundwater and a vapor-phase carbon bed for the treatment of off-gas. The existing NPDES permit (R5-2007-0014-01) allows a discharge of 2.17 mgd of treated groundwater to Deer Creek, a tributary of the Cosumnes River.

Cleanup and Abatement Order (CAO) No. 91-725 was issued by the Central Valley Water Board due to contamination of groundwater at the Sacramento County Kiefer Landfill, a Class III municipal solid waste disposal facility. VOCs identified in the CAO include vinyl chloride, tetrachloroethene, trichloroethene, 1,2-dichloroethene, trichloroethane, 1,1-dichloroethane, dichlorodifluoromethane, trichlorofluoromethane, dichloromethane, and chloroform. The proposed NPDES Permit renewal includes effluent limitations for VOCs currently present in the groundwater.

A tentative permit was issued for public review on 11 May 2012 with comments due by 15 June 2012. The proposed permit was heard at the 2 August 2012 Board meeting. However, due to concerns raised by USEPA regarding the need for water quality-based effluent limits for selenium, the proposed permit renewal was not adopted by the Board. Central Valley Water Board staff and USEPA staff have subsequently discussed the issue regarding selenium and the proposed permit was publicly re-noticed for the 31 January/1 February 2013 Board meeting.

ISSUES: None

RECOMMENDATION: Adopt NPDES Permit Renewal

Mgmt. Review _____
Legal Review _____

31 January/1 February 2013 Board Meeting
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670