

ITEM: 9

SUBJECT: City of Lincoln, Wastewater Treatment and Reclamation Facility, Placer County

BOARD ACTION: *Consideration of NPDES Permit Renewal (NPDES No.CA00848476)*

BACKGROUND: The City of Lincoln (City) owns the Wastewater Treatment and Reclamation Facility (Facility) that is currently designed to treat up to 4.2 million gallons per day (MGD) of disinfected Title 22 tertiary treated effluent. The Title 22 treated effluent from the Facility is required to meet tertiary-level treatment standards and is either discharged to Auburn Ravine Creek or stored in basins with a total capacity of 180 million gallons (MG). Title 22 tertiary treated effluent may be stored for a period of up to two months, and thus algae may occur within the storage basin. The algae may increase BOD and TSS levels outside the normal treatment process. Therefore the proposed NPDES Permit requires the effluent discharged from the storage basins to Auburn Ravine Creek to meet secondary-level treatment standards for BOD and TSS. The maximum discharge to Auburn Ravine is 12.2 MGD.

The Facility is the regionalization treatment plant that will accept municipal sewage from Placer County Sewer Maintenance District 1 (SMD1); completion of the sewer line that will convey SMD1 wastewater to the Facility is projected by 1 September 2015. To accommodate treatment of the additional municipal sewage, the City plans to upgrade the Facility and increase the capacity to 5.9 MGD. The proposed NPDES Permit provides a phased schedule for waste discharge requirements synchronized with operational Facility regionalization upgrades.

The proposed NPDES Permit contains new effluent limitations for copper, mercury, and also contains UV specifications. Based on a reasonable potential analysis, the proposed NPDES Permit does not retain effluent limits for aluminum, bis (2) ethylhexyl phthalate, residual chlorine, and salinity.

Public comments on the tentative NPDES Permit were received from the City, United States Environmental Protection Agency (USEPA), and the Central Valley Clean Water Association (CVCWA).

Staff does not concur with all of the comments and has resolved many of the public comments through subsequent meetings and discussions. Staff has made appropriate changes to the proposed NPDES permit to address comments. Detailed comments and responses are included in the Staff Response to Comments document included in the agenda package. The City has communicated to staff that they now support the proposed NPDES Permit.

RECOMMENDATION: Adopt the proposed NPDES Permit Renewal.

Mgmt. Review AWL

Legal Review _____

6/7 February 2014 Board Meeting

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