

ITEM: 30

SUBJECT: Uncontested NPDES Permit

REPORT: Following is a proposed permit. All agencies and the dischargers concur, or have offered no comments. Consideration of NPDES Permit Renewal

	<p>a. CITY OF ROSEVILLE, DRY CREEK WASTEWATER TREATMENT PLANT, PLACER COUNTY</p> <p>The City of Roseville (City) owns and operates the Dry Creek Wastewater Treatment Plant (Facility) that provides sewerage service for the southeast portion of the City of Roseville and portions of Placer County and the South Placer Municipal Utility District, and serves a population of approximately 111,000. The Facility discharges up to 18 million gallons per day of Title 22 tertiary-level treated effluent to Dry Creek. The City owns and operates portions of the wastewater collection system. Placer County and South Placer Municipal Utility District own and operate the remaining portions of the wastewater collection system.</p> <p>The proposed NPDES Permit includes a new effluent limit for nitrate plus nitrite and revised effluent limits for ammonia. The City cannot immediately comply with the new nitrate plus nitrite effluent limit, and therefore, the proposed Time Schedule Order provides a compliance schedule and interim limits for nitrate plus nitrite.</p> <p>A Notice of Public Hearing was sent to the City and interested parties on 16 January 2014 for a 30-day public comment period. Public comments on the tentative NPDES Permit were received from the City of Roseville (City) and Central Valley Clean Water Association (CVCWA).</p> <p>The City and CVCWA have concerns with potential duplicative regulation of the collection system under the proposed NPDES Permit and the State Water Board Collection System General Order. The City also has concerns regarding the proposed NPDES Permit defined 7-day median for total coliform; the City believes that the 7-day median should be based on the last 7 samples and not the last 7 days of samples. CVCWA also has concerns with the proposed NPDES Permit defining pathogens as a toxic substance, and thus, establishing total coliform limits based on the Basin Plans narrative toxicity objective.</p> <p>Central Valley Water Board staff does not concur with all the comments but has resolved the issues through subsequent meetings and discussions with City staff and CVCWA. Central Valley Water Board 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.</p> <p><i>Consideration of NPDES Permit Renewal (NPDES No. CA0079502) and Time Schedule Order</i></p>
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<p>b.</p>	<p>CITY OF ROSEVILLE, PLEASANT GROVE WASTEWATER TREATMENT PLANT, PLACER COUNTY</p> <p>The City of Roseville (City) owns and operates the Pleasant Grove Wastewater Treatment Plant (Facility) that provides sewerage service for the northwest portion of the City of Roseville, portions of Placer County, and the South Placer Municipal Utilities District and serves a population of approximately 102,000 and nine of the City's 10 significant industrial users. The Facility discharges up to 12 million gallons per day of Title 22 tertiary-level treated effluent to Pleasant Grove Creek. The City owns and operates portions of the wastewater collection system. Placer County and the South Placer Municipal Utilities District own and operate the remaining portions of the collection system.</p> <p>The proposed NPDES Permit includes a new effluent limit for nitrate plus nitrite and revised effluent limits for ammonia.</p> <p>A Notice of Public Hearing was sent to the City and interested parties on 17 January 2014 for a 30-day public comment period. Public comments on the tentative NPDES Permit were received from the City of Roseville (City) and Central Valley Clean Water Association (CVCWA).</p> <p>The City and CVCWA have concerns with potential duplicative regulation of the collection system under the proposed NPDES Permit and the State Water Board Collection System General Order. The City also has concerns regarding the proposed NPDES Permit defined 7-day median for total coliform; the City believes that the 7-day median should be based on the last 7 samples and not the last 7 days of samples. CVCWA also has concerns with the proposed NPDES Permit defining pathogens as a toxic substance, and thus, establishing total coliform limits based on the Basin Plans narrative toxicity objective.</p> <p>Central Valley Water Board staff does not concur with all the comments but has resolved the issues through subsequent meetings and discussions with City staff and CVCWA. Central Valley Water Board 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.</p> <p><i>Consideration of NPDES Permit Renewal (NPDES No. CA0084573)</i></p>
<p>c.</p>	<p>CITY OF SHASTA LAKE, WASTEWATER TREATMENT PLANT, SHASTA COUNTY. The City of Shasta Lake (Discharger) owns and operates a wastewater treatment facility and discharges an average dry weather flow of 1.3 mgd of treated domestic wastewater into Churn Creek, a tributary to the Sacramento River. During the recreation season, 15 April to 15 October, and during the remainder of the year when in-stream dilution in Churn Creek is less than 10:1, effluent is disposed to either an onsite spray irrigation field or</p>

	<p>discharged to a storage reservoir. The treatment system consists of an influent parshall flume, mechanical barscreen, oxidation ditch, mixed liquor pump station, two secondary clarifiers, a secondary clarifier effluent junction box, filters, chlorine contact basin, effluent parshall flume, emergency retention basins, and a 400-acre-foot reclaimed water storage reservoir. Solids handling processes include aerobic digestion and sludge storage basins. Sludge is dried in the storage basins and disposed of offsite. The discharge is regulated under an existing National Pollutant Discharge Elimination System (NPDES) permit. The Discharger submitted a Report of Waste Discharge and requested renewal of the existing NPDES permit.</p> <p>A reasonable potential analysis was conducted for priority and non-priority pollutants, and effluent limitations calculated for ammonia, copper, dichlorobromomethane, nitrite plus nitrate, and zinc are proposed. The Discharger completed a mixing zone and dilution study during the past permit cycle to verify assumptions used to establish the dilution credits granted in the current permit. Results indicated poor mixing conditions with significantly reduce dilution. As a result of the findings, the Discharger is choosing to not pursue dilution credits at this time. The Discharger plans to upgrade the facility in order to meet end-of-pipe (i.e., no dilution) effluent limitations with the capability of undiluted, year-round discharge to Churn Creek.</p> <p>The Discharger cannot immediately comply with some of the effluent limits, therefore a Time Schedule Order (TSO) with a compliance schedule and interim limits, is also proposed at this time, to allow the Discharger to be in compliance while any necessary facility improvements are made.</p> <p>Comments were received from the Central Valley Clean Water Association (CVCWA). The main areas of comment were about inclusion of collection system regulatory requirements and reasonable potential for pathogens. Staff made changes to the proposed permit in response to CVCWA's comments. Staff's response to comments and the revised proposed permit are included with this agenda item.</p> <p><i>Consideration of NPDES Permit Renewal and Time Schedule Order</i></p>
d.	<p>CITY OF STOCKTON, STOCKTON REGIONAL WASTEWATER CONTROL FACILITY, SAN JOAQUIN COUNTY</p> <p>The City of Stockton (Discharger) is the owner and operator of the City of Stockton Regional Wastewater Control Facility (Facility), a publicly owned treatment works. The Discharger provides sewerage service for the City of Stockton, Port of Stockton and surrounding unincorporated areas of San Joaquin County and serves a population of approximately 326,000. The design daily average flow capacity of the Facility is 55 million gallons per day (mgd). The Facility's average daily inflow flow rate is approximately 28 mgd and the average effluent discharge rate is approximately 26 mgd.</p> <p>On 23 October 2008, the Central Valley Regional Water Quality Control Board (Central Valley Water Board) adopted Order R5-2008-0154, prescribing waste discharge requirements for the Facility, which permits an average dry weather</p>

	<p>flow of 55 mgd of tertiary treated effluent to the San Joaquin River, within the Sacramento-San Joaquin Delta. The United States Environmental Protection Agency and the Central Valley Water Board have classified this discharge a major discharge.</p> <p>Order R5-2008-0154 established salinity requirements and electrical conductivity effluent limitations based on the Water Quality Control Plan for the San Francisco Bay/Sacramento-San Joaquin Delta Estuary (Bay-Delta Plan) seasonal salinity water quality objectives for the San Joaquin River at Brandt Bridge of 700 µmhos/cm (April through August) and 1,000 µmhos/cm (September through March), as the 14-day running average electrical conductivity.</p> <p>On 1 June 2011, the Superior Court for Sacramento County entered a judgment and peremptory writ of mandate in the matter of City of Tracy v. State Water Resources Control Board (Case No. 34-2009-8000-392-CU-WM-GDS) (Tracy Decision), ruling that the South Delta salinity objectives shall not apply to the City of Tracy and other municipal dischargers in the South Delta. On 5 November 2013, the Superior Court for Sacramento County entered a judgment and peremptory writ of mandate in the matter of City of Stockton v. State Water Resources Control Board and California Regional Water Quality Control Board for the Central Valley Region (Case No. 34-2010-80000488-CU-WM-GDS) (Stockton Decision), ruling that the City of Stockton is a municipal discharger within the meaning of the Tracy Decision (discussed above), and the Central Valley Water Board is ordered to modify section IV.A.1 and Attachment F (Fact Sheet) of Central Valley Water Board Order R5 2008 0154.</p> <p>The proposed NPDES permit amendment removes the effluent limitations for electrical conductivity and accompanying Fact Sheet discussion in accordance with the Stockton Decision.</p> <p><i>Consideration of Order Amending Waste Discharge Requirements Order R5 2008 0154 (NPDES No. CA0079138)</i></p>
e.	<p>UNITED STATES DEPARTMENT OF THE AIR FORCE, AIR FORCE REAL PROPERTY AGENCY, FORMER MCCLELLAN AIR FORCE BASE, GROUNDWATER EXTRACTION AND TREATMENT SYSTEM, SACRAMENTO COUNTY</p> <p>The United States Department of the Air Force, Air Force Real Property Agency (Discharger), Former McClellan Air Force Base, owns and operates the Groundwater Extraction and Treatment System (Facility). The Facility is authorized to discharge 2.88 million gallons per day (MGD) of treated groundwater to Magpie Creek, a water of the United States. Up to 0.144 MGD of the 2.88 MGD may be discharged to Beaver Pond, a wetlands area. Discharges from the Facility are regulated by Waste Discharge Requirements Order R5-2008-0161. The Facility is categorized as an United States Environmental Protection Agency minor facility.</p>

		<p>The proposed NPDES permit renewal includes revised effluent limits for dissolved chromium VI and 1,1-Dichloroethylene. The permit renewal also removes effluent limits for mercury (total recoverable) and selenium (total recoverable) because these constituents no longer have reasonable potential to cause or contribute to an exceedance of the applicable water quality objectives. The proposed NPDES permit renewal also includes revised monitoring requirements for the receiving water. This revision includes a reduction of the monitoring for several constituents. However, monitoring for these constituents will be conducted during the third year as part of the effluent and characterization study.</p> <p><i>Consideration of NPDES Permit Renewal (NPDES Permit No. CA0081850)</i></p>
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RECOMMENDATION: Adopt the proposed NPDES permits.

Mgmt. Review _____

Legal Review _____

March 28, 2014

Central Valley Regional Water Quality Control Board meeting
11020 Sun Center Dr. #200