

ITEM: 21

SUBJECT: Uncontested NPDES Permits

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

a	<p>City of Angels, Wastewater Treatment Plant, Calaveras County NPDES Permit Renewal (NPDES Permit No. CA0085201)</p> <p>The City of Angels is the owner and operator of the City of Angels Wastewater Treatment Plant (Facility), a publicly owned treatment works located at 3000 Centennial Road, Angels Camp, California. The Facility provides sewerage services for the City of Angels and Six Mile Village, serving a population of approximately 4,185 people. The treatment system consists of headworks screening, biological treatment with three sequencing batch reactors that provide nitrification/denitrification, coagulation and flocculation, recirculating sand filtration, and ultraviolet light (UV) disinfection. During periods of high influent flows, influent wastewater may be diverted to a 3 million gallon equalization basin and returned to the headworks as flows subside. The Facility provides tertiary treatment for up to 1.9 million gallons per day. Tertiary treated wastewater from the Facility is discharged seasonally to Angels Creek, a water of the United States. Discharges from the Facility to Angels Creek are currently regulated by Waste Discharge Requirements Order R5 2012-0088 (NPDES Permit), issued by the Central Valley Regional Water Quality Control Board (Central Valley Water Board) on 4 August 2012. The proposed Order renews the NPDES permit</p> <p>The proposed permit renewal includes new effluent limitations and an allowance of mixing zones for cyanide and zinc. In addition, the effluent limitations for electrical conductivity have been removed because the discharge does not demonstrate reasonable potential to cause or contribute to an instream exceedance of the applicable water quality objectives for this constituent.</p> <p>A Notice of Public Hearing was sent to the Discharger and interested parties on 10 March 2017 for a 30-day public comment period, with comments due by 10 April 2017. No comments were received.</p>
b	<p>City of Modesto, Water Quality Control Facility, Stanislaus County NPDES Permit Renewal (NPDES No. CA0078948)</p> <p>The City of Modesto is the owner and operator of the City of Modesto Water Quality Control Facility (Facility), a publicly owned treatment works which consists of a primary treatment facility located at 1221 Sutter Avenue and a tertiary treatment facility located at 7007 Jennings Road, Modesto, California. The Facility provides sewerage services for the City of Modesto, the community of Empire, and a portion of the City of Ceres, serving a population of approximately 256,000 people. The Facility currently provides tertiary treatment for up to 14.9 million gallons per day (MGD), with plans to expand the capacity to 19.1 MGD. Discharges from the Facility are currently regulated by Waste Discharge Requirements Order R5 2010 0031, which permits the seasonal discharge (1 October – 31 May) discharge of up to 70 MGD of disinfected secondary treated wastewater and the year-round discharge of up to 14.9 MGD of tertiary treated wastewater to the San Joaquin River, a water of the United States. The United States Environmental Protection Agency and the Central Valley Water Board (Board) have classified this discharge a major discharge.</p> <p>Order R5-2010-0031 allowed for discharges of secondary and tertiary treated wastewater to the San Joaquin River, however, the Discharger indicated in its Report of Waste Discharge that secondary treated wastewater will no longer be discharged to the San Joaquin River. Therefore, the proposed NPDES permit renewal authorizes the discharge of only tertiary treated wastewater to the San Joaquin River. The proposed permit renewal includes new or revised effluent limitations for ammonia, diazinon, chlorpyrifos, electrical conductivity, and nitrate plus nitrite. In addition, the effluent limitations for aluminum, chronic toxicity, copper, iron, manganese, and molybdenum have been removed, because the discharge does not demonstrate reasonable potential to cause or contribute to an instream exceedance of the applicable water quality objectives.</p> <p>A Notice of Public Hearing was sent to the Discharger and interested parties on 10 March 2017 for a 30-day public comment period. Public comments on the tentative NPDES permit were received on 10 April 2017 from the Discharger. The following is a summary of the comments and Central Valley Water Board staff responses. All</p>

issues have been resolved. Detailed comments and responses are included in the Staff Response to Comments document included in the agenda package.

Compliance Schedule for Electrical Conductivity – The Discharger requested revisions to the electrical conductivity compliance schedule. Specifically, the Discharger requested the task to complete construction of the North Valley Regional Recycled Water Program outfall to the Delta-Mendota Canal to be removed because it is not a salt reduction measure or if not removed the due date to be extended to the final compliance date for the electrical conductivity limits, and for them to be allowed to comply with the electrical conductivity limits through participation in a real-time salinity management program or alternative project.

Central Valley Water Board staff partially concurs. Although the NVRWP is not a salinity reduction measure it is a key recycled water project if the Discharger chooses to participate in a real-time salinity management program in lieu of meeting the final effluent limitations for electrical conductivity. Completion of the NVRWP is an interim milestone for final compliance with the electrical conductivity effluent limits. Therefore, staff does not agree with moving the due date to coincide with the final compliance date. However, an additional year has been added to complete construction of the NVRWP outfall pipeline in the event of unforeseen construction delays. Staff concurs with the Discharger's second request. It was not intended to only allow compliance through participation in a real-time salinity management program. In accordance with the Lower San Joaquin River Salt and Boron Control Program, the compliance schedule has been clarified to allow compliance through a real-time salinity management program or alternative project that meets the final effluent limitations.

Effluent and Receiving Water Characterization Monitoring – The Discharger plans to maximize reuse through the discharge to the Delta Mendota Canal, which is regulated through a separate NPDES permit, Order R5 2016 0010. The Discharger commented that it is not technically possible to collect samples of effluent being discharged to the San Joaquin River during periods when no discharge is occurring and requests that effluent characterization not be required if the discharge to the San Joaquin River does not occur during the characterization month.

The tentative Permit allows that the effluent characterization monitoring to be coordinated with equivalent monitoring performed under Order R5 2016 0010 for the Facility's discharge to the Delta-Mendota Canal. The tentative Permit has been modified to clarify that if the Facility is discharging to the Delta-Mendota Canal rather than the San Joaquin River during a calendar month, the effluent characterization monitoring required under Order R5 2016 0010 may be used to satisfy the effluent characterization monitoring requirements of the tentative Permit.

Sample Types for Hexavalent Chromium and Sulfite – The Discharger commented that due to short holding times, it may be logistically helpful to collect samples for sulfite and hexavalent chromium (Cr(VI)) as grab or composite sample types and requests this change to Table E-8. Central Valley Water Board staff concurs and have modified the tentative Permit accordingly.

C

**City of Stockton, Regional Wastewater Control Facility, San Joaquin County
Consideration of Order Amending Waste Discharge Requirements Order R5-2014-0070-02
(NPDES CA0079138)**

The City of Stockton (Discharger) owns and operates the Stockton Regional Wastewater Control Facility (Facility), a publicly-owned treatment works. The Facility provides tertiary level wastewater treatment, including ammonia removal using nitrifying biotowers and tertiary filtration with chlorine disinfection. The Central Valley Regional Water Quality Control Board issued Waste Discharge Requirements Order R5-2014-0070-02 authorizing the Facility to discharge up to a daily average flow of 55 million gallons per day of tertiary disinfected municipal wastewater to the San Joaquin River, within the Sacramento San Joaquin Delta.

On 16 February 2017, the Discharger requested the amendment of Order R5 2014 0070-02 to remove San Joaquin River flow monitoring requirements based on cost of compliance considerations. The San Joaquin River flow monitoring requirement was originally included in the Discharger's 2002 NPDES permit (R5 2002 0083). At the time, the Discharger was planning to request mixing zones and the flow data was needed for near-field mixing zone analyses. The Facility has since been upgraded to tertiary filtration with ammonia removal, which provides an increased level of treatment such that near-field mixing zones are no longer needed. San Joaquin flow data is not needed to evaluate compliance with the permit and there are no other analyses that would rely on the data.

Therefore, an order is proposed to amend Order R5 2014 0070-02 to remove the San Joaquin River flow monitoring requirement.

A Notice of Public Hearing was sent to the Discharger and interested parties on 26 April 2017 for a 30-day public comment period, with comments due by 26 May 2017.

RECOMMENDATION: Adopt the proposed NPDES permits

Mgmt. Review _____

Legal Review _____

June 8/9 2017

Central Valley Regional Water Board

11020 Sun Center Drive, Suite 200

Rancho Cordova, CA 95670