

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
CENTRAL VALLEY REGION

ORDER R5-2015-0047  
AMENDING WASTE DISCHARGE REQUIREMENTS ORDER R5-2014-0072  
(NPDES PERMIT NO. CA0077691)

CITY OF VACAVILLE  
EASTERLY WASTEWATER TREATMENT PLANT  
SOLANO COUNTY

The California Regional Water Quality Control Board, Central Valley Region, (hereafter Central Valley Water Board) finds that:

1. The Central Valley Water Board adopted Waste Discharge Requirements Order R5-2014-0072 (NPDES Permit No. CA0077691) prescribing waste discharge requirements for the City of Vacaville Easterly Wastewater Treatment Plant in Solano County. For the purposes of this Order, the City of Vacaville is hereafter referred to as “Discharger” and the Easterly Wastewater Treatment Plant is hereafter referred to as “Facility”.
2. The Discharger owns and operates the Facility. The treatment system consists of headworks, primary sedimentation basins, aeration basins, secondary clarifiers, chlorination and dechlorination facilities, emergency storage ponds, dissolved aeration floatation thickener, anaerobic digesters, biosolids storage ponds, biosolids belt filter press and biosolids drying beds. Secondary treated wastewater is nitrified and denitrified and discharged to Old Alamo Creek, a water of the United States.
3. The Discharger is constructing the Easterly WWTP Filtration Project in order to comply with California Code of Regulations, Title 22, or equivalent disinfection requirements by 1 May 2015 in accordance with Order R5-2014-0072. Effective 1 May 2015, Order R5-2014-0072 requires tertiary filtration from 1 May – 31 October, and secondary treatment from 1 November – 30 April.
4. Order R5-2014-0072 includes effluent limits for settleable solids during the period when secondary treated wastewater may be discharged to Old Alamo Creek. Beginning 1 May 2015 when tertiary filtration is required (i.e., Title 22 disinfection), settleable solids limits are not necessary, thus the limits are only required seasonally when secondary treated wastewater may be discharged. However, the Monitoring and Reporting Program requires monitoring the effluent for settleable solids weekly year round. Once the Facility operates the filtration processes, settleable solids monitoring will not be necessary from 1 May – 31 October when the effluent is filtered. In order to align compliance monitoring with seasonal periods when effluent limits are applicable, this Order amends Order R5-2014-0072 to require effluent settleable solids monitoring from 1 November – 30 April when secondary treated wastewater may be discharged.
5. Order R5-2014-0072 requires monitoring the effluent for turbidity continuous year round. Title 22 requires continuous effluent turbidity monitoring, however, as stated above, the current permit only requires seasonal Title 22 tertiary filtration from 1 May – 31 October. Continuous turbidity monitoring is not necessary when the permit allows secondary treatment. This Order amends Order R5-2014-0072 to require weekly grab samples for effluent turbidity from 1 November – 30 April when secondary treated wastewater may be discharged.

6. Order R5-2014-0072 may be reopened and modified in accordance with the Code of Federal Regulations (CFR) at 40 CFR section 122.62(a)(2).
7. Issuance of modifications to Order R5-2014-0072 is exempt from the California Environmental Quality Control Act (Public Resources Code section 21000, et seq.) in accordance with Water Code section 13389.
8. The Central Valley Water Board has notified the Discharger and interested agencies and persons of its intent to amend Waste Discharge Requirements for this discharge and has provided them with an opportunity to submit their written views and recommendations.

**IT IS HEREBY ORDERED THAT:**

Order R5-2014-0072 (NPDES No. CA0077691) is amended solely to change the effluent monitoring frequencies for settleable solids and turbidity. The Order is amended as shown in Items 1 – 3, below.

1. Change the Order number throughout from “Order R5-2014-0072” to “R5-2014-0072-01.”
2. Attachment E – Monitoring and Reporting Program. Modify Table E-3, Effluent Monitoring as shown in underline/strikeout format below:

**Table E-3. Effluent Monitoring**

Parameter	Units	Sample Type	Minimum Sampling Frequency	Required Analytical Test Method
Settleable Solids <sup>12</sup>	ml/L	Grab	1/Week	<sup>1</sup>
Turbidity <sup>44</sup> (1 May – 31 Oct)	NTU	Meter	Continuous	
Turbidity (1 Nov – 30 Apr)	NTU	Grab	1/Week	<sup>1</sup>

<sup>12</sup> Effective 1 May 2015, monitoring for settleable solids only required seasonally from 1 November-30 April.

3. Attachment F – Fact Sheet. Modify Section VII.B.2, as shown in underline/strikeout format below:
  2. Effluent monitoring frequencies and sample types for flow, BOD, TSS, pH, ammonia, chlorine residual, nitrate, temperature, total coliforms, TDS, acute and chronic toxicity have been retained from Order R5-2008-0055-01 to determine compliance with effluent limitations for these parameters. Effective 1 May 2015, effluent monitoring for settleable solids is only required seasonally from 1 November – 30 April, consistent with the time period when the effluent limitations for settleable solids apply.

Any person aggrieved by this action of the Central Valley Water Board may petition the State Water Resource Control Board (State Water Board) to review the action in accordance with Water Code section 13320 and California Code of Regulations, title 23, sections 2050 and following. The State Water Board must receive the petition by 5:00 p.m., 30 days after the date of this Order, except that if the thirtieth day following the date of this Order falls on a Saturday, Sunday, or state holiday (including mandatory furlough days), the petition must be received by the State Water Board by 5:00 p.m. on the next business day. Copies of the law and regulations applicable to filing petitions may be found on the Internet at: [http://www.waterboards.ca.gov/public\\_notices/petitions/water\\_quality](http://www.waterboards.ca.gov/public_notices/petitions/water_quality) or will be provided upon request.

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I, PAMELA C. CREEDON, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, Central Valley Region, on 17 April 2015.

*ORIGINAL SIGNED BY*

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PAMELA C. CREEDON, Executive Officer