

STATE OF CALIFORNIA  
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
LOS ANGELES REGION  
320 West 4<sup>th</sup> Street, Suite 200, Los Angeles, California 90013

FACT SHEET

WASTE DISCHARGE REQUIREMENTS

FOR

CASTAIC LAKE WATER AGENCY  
(Earl Schmidt Filtration Plant and Rio Vista Treatment Plant  
Hydrostatic Test & Overflow Discharges)

NPDES NO. CAG674001  
CI-8958

**FACILITY ADDRESS**

Earl Schmidt Filtration Plant: 32700 Lake  
Hughes Road, Castaic, CA 91384  
Rio Vista Water Treatment Plant: 27234  
Bouquet Canyon Road, Santa Clarita, CA  
91350

**FACILITY MAILING ADDRESS**

27234 Bouquet Canyon Road, Santa Clarita,  
CA 91350

**PROJECT DESCRIPTION:**

Castaic Lake Water Agency (CLWA) discharges hydrostatic test water and domestic water supply overflows from the Earl Schmidt Filtration Plant and Rio Vista treatment Plant. CLWA pumps water from Castaic Lake to the treatment plants and distributes the potable water to local water purveyors through a distribution system consisting of 20 miles of cement-lined steel pipes. Authorization for the discharge from the subject facilities is regulated under General NPDES Permit No. CAG674001(Order No. R4-2004-0109) that was issued to (CLWA) on October 26, 2005. On August 6, 2009, CLWA submitted a Notice of Intent (NOI) form to continue enrollment under the General NPDES Permit No. CAG674001, Order No. R4-2009-0068, which was adopted by the Board on June 4, 2009. The existing enrollment under Order No. R4-2004-0109 is superseded by this new permit

**VOLUME AND DESCRIPTION OF DISCHARGE:**

Up to 16 million gallons per day (MGD) of hydrostatic test water and/or overflow water will be discharged through the following Outfalls listed below. The discharge will be intermittent and last within a week. The discharges flow into the Santa Clara River, a water of the United States. The site locations are shown in Figures 1.A. and 1.B. and 1C..

October 21, 2009

<u>Outfall</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Receiving Waterbody</u>
#M-001	34°29'53"	118°36'01"	Castaic Creek
#M-002	34°25'20"	118°30'00"	South Fork Santa Clara River
#M-003	34°25'20"	118°32'30"	Santa Clara River
#M-004	34°25'42"	118°32'10"	Bouquet Canyon Creek
#M-005	34°25'31"	118°29'40"	Santa Clara River
#M-006	34°25'53"	118°31'20"	Santa Clara River
#M-007	34°27'30"	118°36'30"	Castaic Creek
#M-008	34°25'36"	118°29'39"	Santa Clara River
#M-009	34°25'36"	118°29'37"	Santa Clara River
#M-010	34°25'25"	118°29'03"	Santa Clara River
#M-011	34°25'24"	118°29'01"	Santa Clara River
#M-012	34°24'57"	118°28'36"	Santa Clara River
#M-013	34°24'54"	118°28'31"	Santa Clara River
#M-014	34°24'50"	118°28'23"	Santa Clara River
#M-015	34°24'45"	118°28'01"	Santa Clara River
#M-016	34°24'45"	118°27'54"	Santa Clara River
#M-017	34°24'45"	118°27'51"	Santa Clara River
#M-018	34°24'45"	118°27'42"	Santa Clara River
#M-019	34°24'47"	118°27'29"	Santa Clara River
#M-020	34°24'51"	118°26'58"	Santa Clara River
#M-021	34°24'53"	118°26'43"	Santa Clara River
#M-022	34°24'54"	118°26'37"	Santa Clara River
#M-023	34°24'54"	118°26'37"	Santa Clara River
#M-024	34°24'03"	118°26'20"	Santa Clara River
#M-025	34°25'06"	118°26'13"	Santa Clara River

### APPLICABLE EFFLUENT LIMITATIONS

Based on the information provided in the NPDES Application Supplement Requirements, the following constituents listed in the Table below have been determined to show reasonable potential to exist in the discharge. The discharge flows into the Santa Clara River between Bouquet Canyon Road Bridge and West Pier Highway 99. Therefore, effluent limitations in Attachment B.3.c. are applicable to the discharge.

This Table lists the specific constituents and effluent limitations applicable to the discharge.

Constituents	Units	Discharge Limitations	
		Daily Maximum	Monthly Average
Total Dissolved Solids	mg/L	1000	---
Sulfate	mg/L	300	---
Chloride	mg/L	100	---
Boron	mg/L	1.5	---
Nitrogen <sup>1</sup>	mg/L	10	---

<sup>1</sup> Nitrate-nitrogen plus nitrite-nitrogen

Constituents	Units	Discharge Limitations	
		Daily Maximum	Monthly Average
Total Suspended Solids	mg/L	150	50
Turbidity	NTU	150	50
BOD <sub>5</sub> 20°C	mg/L	30	20
Oil and Grease	mg/L	15	10
Settable Solids	ml/L	0.3	0.1
Residual Chlorine	mg/L	0.1	---

**FREQUENCY OF DISCHARGE:**

The discharge will be intermittent and last within a week.

**REUSE OF WATER:**

It is not feasible to discharge the groundwater to the sanitary sewer system. It is not economically feasible to haul the water for off-site disposal. There are no feasible reuse options for the discharge. Therefore, the hydrostatic test water and overflow water will be discharged into the nearby creeks and/or river.

FIGURE 1.A.





