Attachment A to Resolution R4-2008-0xx

Basin Plan Amendment Incorporating Conditional Site-Specific Objectives for Chloride in Upper Santa Clara River Watershed

The following language will be added to Chapter 3, Water Quality Objectives of the Basin Plan, under "Mineral Quality":

Add table after Table 3-8.

Table 3-8a. Conditional Site Specific Objectives for Santa Clara River Surface Waters

WATERSHED/STREAM REACH	Chloride (mg/L)
Santa Clara River Watershed:	
Between Bouquet Canyon Road Bridge and West Pier Highway 99	150 (annual average)
Between West Pier Highway 99 and Blue Cut gaging station	150 (annual average)
Between Blue Cut gaging station and confluence of Piru Creek	117/130[a] (3-month average)

a. The conditional site specific objective of 130 mg/L applies only if the following conditions and implementation requirements are met:
   1. Water supply chloride concentrations measured in Castaic Lake are ≥ 80 mg/L.
   2. The Santa Clarita Valley Sanitation District (SCVSD) shall provide supplemental water to salt-sensitive agricultural uses that are irrigated with surface water during periods when Reach 4B (between Blue Cut gaging station and confluence of Piru Creek) surface water exceeds 117 mg/L.
   3. Beginning May 4, 2016, the cumulative net chloride loading above 117 mg/L ($CNCl_{117}$) to Reach 4B of the SCR from the SCVSD Water Reclamation Plants (WRPs) is zero or less, where:

$$CNCl_{117} = Cl_{(Above\ 117)} - Cl_{(Below\ 117)} - Cl_{(Export\ Ews)}$$

Where:

$Cl_{(Above\ 117)}$ = [WRP Cl Load[1]/Reach 4B Cl Load[2]] * [Reach 4B Cl $Load_{>117}$[3]]

$Cl_{(Below\ 117)}$ = [WRP Cl Load[1]/Reach 4B Cl Load[2]] * [Reach 4B Cl $Load_{\leq 117}$[4]]

$Cl_{(Export\ EWs)}$ = Cl Load Removed by Extraction Wells

[1] WRP Cl Load is determined as the monthly average chloride (Cl) concentration multiplied by the monthly average flow measured at the Valencia WRP.

[2] Reach 4B Cl Load is determined as the monthly average Cl concentration at Receiving Water Station RF multiplied by the monthly average flow measured at USGS Gauging Station 11109000 (Las Brisas Bridge).

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[3] Reach 4B Cl $Load_{>117}$ means the calculated Cl load to Reach 4B when monthly average Cl concentration in Reach 4B is above 117 mg/L.

[4] Reach 4B Cl $Load_{<=117}$ means the calculated Cl load to Reach 4B when monthly average Cl concentration in Reach 4B is below or equal to 117 mg/L.

4. The chief engineer of the SCVSD signs under penalty of perjury and submits to the Regional Board a letter documenting the fulfillment of conditions 1, 2, and 3.

The conditional site specific objectives for chloride in the surface water between Bouquet Canyon Road bridge and West Pier Highway 99, between West Pier Highway 99 and Blue Cut gaging station, and between Blue Cut gaging station and confluence of Piru Creek shall apply and supersede the existing water quality objectives in Table 3-8 only when chloride load reductions and/or chloride export projects are in operation by the Santa Clarita Valley Sanitation District of Los Angeles County (SCVSD) according to the implementation section in Table 7.6-1 of Chapter 7.

Add table after Table 3-10.

Table 3-10a. Conditional Site Specific Objectives for Selected Constituents in Regional Groundwaters

DWR Basin No.	BASIN	Chloride (mg/L)
4-4	**Ventura Coastal** Lower area east of Piru Creek[1]	150 (rolling annual average)
4-4.07	**Eastern Santa Clara** Santa Clara—Bouquet & San Francisquito Canyons	150 (rolling annual average)

1. This objective only applies to the San Pedro formation. Existing objective of 200 mg/L applies to shallow alluvium layer above San Pedro formation.

The conditional site specific objectives for chloride in the groundwater in Santa Clara--Bouquet & San Francisquito Canyons and the lower area east of Piru Creek (San Pedro Formation) shall apply and supersede the existing regional groundwater quality objectives only when chloride load reductions and/or chloride export projects are in operation by the SCVSD according to the implementation section in Table 7.6-1 of Chapter 7.