

CENTRAL VALLEY SALINITY ALTERNATIVES FOR
LONG-TERM SUSTAINABILITY (CV-SALTS)

Central Valley Region Salt and Nitrate Management Plan

Final Document for Central Valley Water
Board Consideration

December 2016

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- A-2 Nitrate Permitting Strategy
- A-3 Salinity Management Strategy
- A-4 Revisions to the Exceptions Policy for Waste Discharges to Groundwater
- A-5 Salinity Management to Provide Reasonable Protection of AGR Beneficial Uses in Groundwater (AGR Policy)
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 - B.1.1 Salinity Effects on MUN-related Uses of Water
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Attachment C – Environmental Review and Economic Analysis Supporting Documentation (Summaries with Report Links)

- C-1 Environmental Documentation
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Attachment D – Other SNMP Supporting Documentation

- D-1 SNMP Glossary of Terms
- D-2 CV-SALTS Stakeholder Process
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List of Acronyms or Abbreviations

Acronym or Abbreviation	Definition
ACP	Alternative Compliance Project
AF	Acre-Feet
AFY	Acre-Feet/Year
AGR	Agricultural Supply
AID	Alta Irrigation District
AWQ	Ambient Water Quality
Basin Plans	Water Quality Control Plan for the Sacramento River and San Joaquin River Basins and the Water Quality Control Plan for the Tulare Lake Basin
BATEA	Best Available Technology Economically Achievable
BCT	Best Conventional Pollution Control Technology
BMP	Best Management Practice
Board	Central Valley Regional Water Quality Control Board
BPA	Basin Plan Amendment
BPT	Best Practicable Control Technology
BPTC	Best Practicable Treatment or Control
CASGEM	California Statewide Groundwater Elevation Monitoring
CCR	California Code of Regulations
CDPH	California Department of Public Health
CEC	Constituents of Emerging Concern
CEDEN	California Environmental Data Exchange Network
Central Valley Water Board	Central Valley Regional Water Quality Control Board
CEQA	California Environmental Quality Act
CFR	Code of Federal Regulations
CVHM	Central Valley Hydrologic Model
CVP	Central Valley Project
CVRWQCB	Central Valley Regional Water Quality Control Board
CV-SALTS	Central Valley Salinity Alternatives for Long-Term Sustainability
CVSC	Central Valley Salinity Coalition
CWA	Clean Water Act
CWC	California Water Code
DDW	Division of Drinking Water
DMC	Delta Mendota Canal

Acronym or Abbreviation	Definition
DWR	California Department of Water Resources
EAP	Early Action Plan
EBMUD	East Bay Municipal Utility District
EC	Electrical Conductivity
GAMA	Groundwater Ambient Monitoring and Assessment
GAR	Groundwater Quality Assessment Reports
GMP	Groundwater Management Plan
gpm	Gallons per Minute
GSA	Groundwater Sustainability Agency
GSP	Groundwater Sustainability Plan
GW	Groundwater
HASP	Health and Safety Plan
IAZ	Initial Analysis Zone
ICM	Initial Conceptual Model
ILRP	Irrigated Lands Regulatory Program
IRWMP	Integrated Regional Water Management Plan
IX	Ion Exchange
LMUN	Limited Municipal and Domestic Water Supply
LSJR	Lower San Joaquin River
MAF	Million acre feet
MCL	Maximum Contaminant Level
MGD	Million Gallons/Day
mg/L	Milligrams/liter
MUN	Municipal and Domestic Water Supply
N	Nitrogen
NIMS	Nitrate Implementation Measures Study
NOI	Notice of Intent
NO ₃ -N	Nitrate as Nitrogen
NPDES	National Pollutant Discharge Elimination System
NUE	Nitrate Use Efficiencies
NWIS	National Water Information System
O & M	Operations and Maintenance
OWTS	Onsite Wastewater Treatment System
POTW	Publically Owned Treatment Works
POU	Point of Use

Acronym or Abbreviation	Definition
PTS	Pump, Treat and Serve
QA/QC	Quality Assurance/Quality Control
QAPP	Quality Assurance Project Plan
Regional Water Boards	Regional Water Quality Control Boards
RO	Reverse Osmosis
SAMP	Surveillance and Monitoring Program
SAP	Sample Analysis Plan
SED	Substitute Environmental Document
SGMA	Sustainable Groundwater Management Act
SMCL	Secondary Maximum Contaminant Level
SNMP	Salt and Nitrate Management Plan
SRSJR	Sacramento River/San Joaquin River
SSALTS	Strategic Salt Accumulation Land and Transportation Study
SWP	State Water Project
State Water Board	State Water Resources Control Board
TAC	Technical Advisory Committee
TAF	Thousand acre feet
TDS	Total Dissolved Solids
TLB	Tulare Lake Basin
TMDL	Total Maximum Daily Load
µmhos/cm	micromhos/centimeter
µS/cm	microsiemens/centimeter
USC	United States Code
US EPA	United States Environmental Protection Agency
USGS	United States Geological Survey
UTS	Under the Sink
UWMP Act	Urban Water Management Planning Act
WARMF	Watershed Analysis Risk Management Framework
Wat. Code	California Water Code
WBD	Watershed Boundary Dataset
WBS	Water Balance Subregions
WDL	Water Data Library
WDR	Waste Discharge Requirement
WQ	Water Quality
WQBEL	Water Quality-based Effluent Limitations

Acronym or Abbreviation	Definition
WQO	Water Quality Objective
WQP	Water Quality Portal
WWTP	Waste Water Treatment Plant
WY	Water Year

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