

CV-SALTS Executive Committee Meeting

March 28, 2013 - 9:00 AM to 3:00 PM

Sacramento Regional Sanitation District Offices – **Valley Oak Room**
10060 Goethe Rd, Sacramento 95827

Teleconference (218) 339-4600 Code: 927571#

Posted 03.18.13 – Revised 03.26.13

AGENDA

- 1) **Welcome and Introductions** - Chair
 - a) Committee Roll Call and [Membership Roster](#) -5 min.
 - b) Review/Approve Executive Committee [Meeting Notes for February 21, 2013](#) – 5 min.
- 2) **Review Consensus Recommendations related to:** - Tim Moore - (2.5 hours)
 - a) Defining groundwater basin and sub-basin (management zone) boundaries
 - b) Characterizing existing average nitrate and salinity concentrations
 - c) Evaluating availability of assimilative capacity

11:30 am to 1:00 pm - Lunch on your own

- 3) **Antidegradation Review Requirements / Planning Tables** - Tim Moore – (60 minutes)
 - a) Establishing baseline water quality
 - b) Relationship of baseline quality to water quality objective
 - c) Effect of discharge on baseline water quality
 - d) Best practicable treatment or control (BPTC)
 - e) Avoiding pollution or nuisance
 - f) Maximum benefit to the people of the State
 - g) Monitoring and enforcement provisions
- 4) **Status Update on Technical Studies/Projects** - Richard Meyerhoff/Nigel Quinn – (30 minutes)
 - a) ICM and GIS Services - Status and consideration of data costs
 - b) Tulare Lake MUN Archetype
 - c) Agricultural Zone Mapping
 - d) Aquatic Life Study
 - e) Stock Watering Final Report
 - f) SSALTS – Roger Reynolds
- 5) **CEQA/Economics Consultant Scope of work for Proposal Request to Include CV-SALTS CEQA Scoping** – Jeanne Chilcott/Tim Moore – (15 minutes)
 - a) Consider approval of Scope of Work and Request for Proposal
- 6) **Set next meeting objectives/date – April 5th Admin Call, April 18th Policy Session**

CV-SALTS meetings are held in compliance with the Bagley-Keene Open Meeting Act set forth in Government Code sections 11120-11132 (§ 11121(d)). The public is entitled to have access to the records of the body which are posted at <http://www.cvsalinity.org>

One or more Central Valley Regional Water Quality Board members may attend.

Voters	Category/Stakeholder Group	Name	11-Jan	24-Jan	8-Feb	21-Feb	8-Mar	21-Mar	5-Apr	18-Apr	10-May	16-May	14-Jun	20-Jun
1	Central Valley Water Board	Pamela Creedon		✓		✓								
Alt	Central Valley Water Board	Jeanne Chilcott		✓		✓	✓							
2	State Water Resources Control Bd.	Darrin Polhemus		✓		✓								
3	Department of Water Resources	Jose Faria												
Alt	Department of Water Resources	Ernie Taylor	✓	✓			✓							
4	US Bureau of Reclamation	Jobaid Kabir												
5	Environmental Justice	TBD												
6	Environmental Water Quality	TBD												
CV Salinity Coalition														
1	CASA	Bobbi Larson												
2	County of San Joaquin	Mel Lytle												
Alt	County of San Joaquin	Brandon Nakagawa												
3	CVCWA	Debbie Webster	✓	✓	✓	✓	✓							
4	City of Fresno	Steve Hogg												
5	CA League of Food Processors	Trudi Hughes												
Alt	CA League of Food Processors	Rob Neenan		✓		✓								
6	Wine Institute	Tim Schmelzer		✓										
Alt	Wine Institute	Chris Savage												
7	City of Tracy	Steve Bailey												
8	Sacramento Regional CSD	Linda Dorn		✓	✓									
9	San Joaquin River Group	Dennis Westcot		✓		✓								
10	City of Modesto	Gary DeJesus												
11	California Rice Commission	Tim Johnson		✓										
12	City of Manteca	Phil Govea												
13	Tulare Lake Drainage/Storage District	Mike Nordstrom	✓	✓		✓	✓							
14	Stockton East Water District	Karna Harrigfeld	✓	✓	✓	✓	✓							
15	Western Plant Health Association	Renee Pinel		✓	✓	✓	✓							
16	City of Vacaville	Royce Cunningham		✓	✓	✓	✓							
17	Dairy Cares	Paul Sousa												
Alt	Dairy Cares	J.P. Cativiela	✓	✓		✓								
Comm. Chairs/Co-chairs														
1	Chair Executive Committee	Parry Klassen	✓	✓		✓	✓							
2	Vice Chair Executive Committee	Jeff Willett		✓		✓	✓							
*	Technical Advisory Committee	Roger Reynolds	✓	✓	✓	✓	✓							
3	Technical Advisory Committee	Nigel Quinn, LBL	✓	✓		✓	✓							
4	Public Education and Outreach	Joe DiGiorgio	✓	✓		✓	✓							
5	Economic and Social Cost Committee	David Cory	✓	✓	✓	✓	✓							
5	Lower San Joaquin River Committee	Karna Harrigfeld	✓	✓	✓	✓	✓							

* = Already votes as Leadership or Coalition member

- Participants also identified for 03/08:**
- _____ Karen Ashby, LWA
 - _____ Stan Gryczko, City of Davis
 - _____ Casey Creamer, CCGGA
 - _____
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Past Participants:		
Claus Suverkropp, LWA	Tom Griffith, Envirotech	Cindy Paulson, CUWA
Richard Meyerhoff, CDM	John Herrick	Geoff Anderson, DWR
Gary Carlton, Kennedy/Jenks	Mark Gowdy, SWRCB, Water Rights	Dan Odenweller, RWQCB
Stan Gryczko, City of Davis	Betty Yee, RWQCB	Danny Merkely, California Farm Bureau
Tess Dunham, Somach	Jamil Ibrahim, MWH Global	Emily Alejandrino/Jim Martin, CVRWC
Penny Carlo, Carollo Engineers	Rik Rasmussen, SWRCB	Emily Robidart Rooney, Ag Council
Tony Pirondini, City of Vacaville	Jodi Pontureri, SWRCB	Gail Cismowski, CVRWQCB
Roberta Tasse, USBR	Mark Felton, Culligan Water and PWQA	Jenny Skrel, Ironhouse Sanitary Distri
Pam Buford, CVRWQCB	Adam Maskal, Provost & Pritchard	Erick Althorp SSIWQC
Karl Longley, CVRWQCB	Stan Dean, SRCSD	Mark Dorman, Rainsoft Water PWQA
Tom Grovhoug, LWA	Melanie Thomson, CUWA	Rick Staggs, City of Fresno
Tess Dunham, Somach	Gene Lee, Reclamation	Robert Chrobak and Stuart Childs Ker
Bruce Houdesheldt, NCWA/Sac Valley WQC	Paul Martin, WUD	Jim Strandberg, EKI
Jennifer Clary, CWA	Tim Moore, Risk-Sciences	Mary Junqueiro, Western Plant Health
John Dickey, Plantierra	Clay Rogers, CVRWQCB	Mark Larsen, Kaweah Delta WCD
David Orth, SSWVWQC	Diane Barclay, SWRCB	Laurel Firestone, CWC
Fern Wilson, City of Vacaville	Michael Mosley, USBR	

CV-SALTS Executive Committee Meeting - Summary Action Notes

For February 21, 2013 - 9:00 AM to 3:00 PM

Attendees are listed on the Membership Roster

AGENDA

1) Welcome and Introductions

- a) Chair Parry Klassen brought the meeting to order, and roll call was completed.
- b) David Cory moved to approve, and Dennis Westcot seconded, and by general acclamation the January 24th action notes were approved with the following revision:
 - Under item #2 revise the statement attributed to Jeanne Chilcott to read:
“Jeanne Chilcott stressed that basin plans must specifically provide the Regional Board the authority to grant variances and noted that a basin plan amendment to provide that authority is currently underway.”
 - Karl Longley and Daniel Cozad provided the committee with a brief summary on the Multi-State Salinity Conference held in Las Vegas. CV-Salts attendees were Dr. Longley, Daniel Cozad, Pamela Creedon, Tim Moore and Tess Dunham.

2) Confirm Consensus Recommendations from 2012 Policy Discussions for Inclusion in the Salt and Nitrate Management Plan

- The session discussions were based on the “Recycled Water Policy: Salt & Nitrogen Management Plans” handout provided by Tim Moore. Based on the handout the committee discussed the following five areas of SNMP development:
 - 1) Identify Groundwater Basins & Sub-basins
 - 2) Assign Appropriate Beneficial Uses
 - 3) Establish Water Quality Objectives
 - 4) Develop Implementation Plan
- One goal of the discussion was to identify outstanding policy decisions that require finalization before the technical work can move forward. Several items will return to the committee for further discussion.
- References to Tulare Lake Groundwater Basin will be changed to Tulare Lake Bed Management Zone to clarify this as the Tulare Lake archetype project.
- To better inform the committee as to what pending policy decisions may be needed in support of the technical work, Nigel Quinn suggested the Technical Committee should provide a 1-2 hour briefing at a future meeting.
- Tim Moore requested Richard Meyerhoff take a look at how the 23 integrated regional boundaries align with the boundaries of the 22 Initial Analysis Zones.
- In the discussion of 3A) MUN, Debbie Webster requested that appropriate averaging periods be included in the objective. Tom Grovhoug recommended the use of clarifying language in a narrative objective that would give the flexibility to deal with the consumer acceptance issue. This item will return to the committee for further discussion.
- Tim will rewrite 3B1 to reflect Dennis Westcot’s comments regarding seasonal impact on application of nitrates on sensitive crops.
- 3B2c – Defining “Reasonable Protection” Quantitatively will return to the committee for finalizing. Also in 3B Debbie Webster recommended adding the increase in salinity due to recycling of water in AGR.
- Richard Meyerhoff suggested a category 3C be added for Aquatic Life.
- Tim suggests that under item 5, items 5B (BPTC), 5D (Point of Compliance), & 5G (Maximum Benefit) are priorities for CV-SALTS. Item 5B will be changed from BPCT to BPTC.

- 3) Essential Elements for Inclusion In Basin Plan Amendment
 - For Item 7) on “The List,” CTR will be replaced with Human Health.
 - Tim Moore requested committee members review “The List” and if any item/issue presented in categories 1-5 on the previous pages has not been brought forward please let Tim know.
- 4) Status Update on Technical Studies/Projects
 - Richard Meyerhoff presented the Technical Deliverables Timeline. This chart provides the status of CV-SALTS Technical Projects as of February 13, 2013 and will be updated periodically and kept posted on the website. Committee members were asked to notify Richard of any errors.
 - Committee members agreed to present an update to the Regional Board at the July board meeting, either July 25th or 26th.
- 5) CEQA/Economics Consultant Proposal Request to Include CEQA Scoping & Related Work
 - Jeanne Chilcott will check on the possibility of combining the CEQA Scoping with the Board Update in July.
- 6) Future Items
 - The next Admin meeting is March 8th, and the next Policy Session will be March 28th.

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Table 1. Summary of Upcoming CEQA and Basin Plan Amendment

Process	Key Tasks	General Timeline	Assumptions
CEQA	Scoping	2013 (Summer)	<ul style="list-style-type: none"> Sufficient information available to implement scoping
	<ul style="list-style-type: none"> Problem Statement Alternatives Development (regulatory & engineering) Alternatives Evaluation Checklist for Preferred Alternative Supplemental Environmental Document 	May 2014 – February 2015	<ul style="list-style-type: none"> Can delay start until after all primary technical work completed Clear distinction made regarding what requires CEQA analysis (i.e., separate what is a policy change from what is a regulation change) Response to comments on SED combined with BPA comments
Basin Plan Amendment	SNMP Extension Request	2013 (December)	<ul style="list-style-type: none"> Sufficient technical work will be completed to justify extension request
	<ul style="list-style-type: none"> Antidegradation Review (per Guidance Checklist) 13241 Economic Analysis (no action vs. preferred alternative) 13242 Surveillance & Implementation Plan 	May 2014 – February 2015	<ul style="list-style-type: none"> Technical work for analyses to support antidegradation analysis authorized in 2013 Economic analysis coordinated with CEQA
	<ul style="list-style-type: none"> Revised Basin Plan Document (redline/strikeout) Staff Report Peer Review (with response to comment) 	January 2015 – September 2015	<ul style="list-style-type: none"> Incorporate CV-SALTS outcomes into appropriate parts of Basin Plans Limit peer review to where required (e.g., removing SMCLs does not need peer review)
	<ul style="list-style-type: none"> Public Notice Workshop Response to Comment Hearings 	October 2015 – May 2016	Response to comments on BPA and SED combined
	<ul style="list-style-type: none"> State Board Briefings EPA Briefings 	Periodic	<ul style="list-style-type: none"> Continue periodic State Board briefings Initiate EPA briefing of BPA elements that require EPA approval
	Administrative Record	Ongoing throughout	Needs to be an ongoing activity to prevent delays at the end of the process

Table 2. Technical Work and Policy Development – Status Check

Key Work Areas	Work Requirements	Status of Work
Waterbodies	ICM – 22 IAZs	Authorized
	Subarea Prototypes (refined IAZ analysis – more specificity creates more flexibility)	<ul style="list-style-type: none"> • Two included in ICM project • Potential to develop more in Phase 2 Conceptual Model (CM) work
Standards	<ul style="list-style-type: none"> • Agricultural Zone Map • Criteria Reviews (MUN, AGR, AL) • SMCLs 	<ul style="list-style-type: none"> • Ag Zone Map – Phase 1 authorized (Phase 2 authorization in development) • Criteria reviews authorized • SMCLs – Need to compile rationale/develop quantitative analysis to support removal
	Tulare Lake Bed Archetype	Authorized (Note currently planned as separate BPA, but template for inclusion in SNMP – see below under implementation)
Assessment	<ul style="list-style-type: none"> • Current Ambient Quality <ul style="list-style-type: none"> ○ Conceptual Model calculations (e.g., ambient quality, AC, temporal and spatial variability) ○ IAZ vs. more refined sub-area analyses (see above) 	<ul style="list-style-type: none"> • ICM Deliverables • Potential CM Phase 2 technical work
	Trend Analysis - Vadose loading legacy analysis (expected water quality if no action)	Not yet authorized (potential Phase 2 CM element)
	Assimilative Capacity (AC)	<ul style="list-style-type: none"> • Policy - Issue still to be developed (what is the appropriate comparison): <ul style="list-style-type: none"> ○ Future water quality (with project) vs. water quality objective ○ Future water quality vs. baseline water quality ○ Future water quality vs. current ambient quality (existing) • Technical - Potential archetype: <ul style="list-style-type: none"> ○ Demonstration of how AC allocated - real example or strawman (examples to consider rate and duration of discharge, i.e., how much and for how long)
	Surveillance Plan	Surveillance plan – not yet authorized; to be developed as part of BPA
Implementation	Antidegradation Analysis (Baseline Quality): What is the best water quality attained since 1968?	Technical work – not yet authorized (potential Phase 2 CM element)
	Develop implementation elements of SNMP (combination of technical work/policy development)	Policy or Technical Elements to be Incorporated into SNMP: <ul style="list-style-type: none"> • First encountered groundwater • Zone of Influence • Rules for routine calculations (mass balance, averages, etc.) • Salt Disposal (Sinks) - where are you putting the salt • Archetype demonstrations (insert findings/methods from archetypes) • New authorities - offsets, variances • Points of compliance/Attainment assessment • Define BPTC (potential archetypes - e.g., wine industry Best practices) • Define Maximum Benefit (demonstration methodology) • Stormwater recharge/recycled water policies

Table 3. Anticipated Basin Plan Modifications (considering all potential CV-SALTS-related Basin Plan Amendments)

Basin Plan Section	Groundwater	Surface Water
Section 1 – Introduction		
Section 2 – Existing and Potential Beneficial Uses	<ul style="list-style-type: none"> • Modify any beneficial uses resulting from Tulare Lake Bed Archetype • Establish Limited MUN Use 	<ul style="list-style-type: none"> • Modify any beneficial uses resulting from MUN archetypes for agricultural drains • Establish Limited MUN Use • Incorporate recommended beneficial uses from LSJR Committee
Section 3 – Water Quality Objectives	<ul style="list-style-type: none"> • Clarify Tributary Rule • Incorporate salinity WQOs for MUN and AGR • Establish WQOs applicable to Limited MUN Use • Remove SMCLs • Incorporate Agricultural Map Zones 	<ul style="list-style-type: none"> • Clarify Tributary Rule • Incorporate salinity WQOs for MUN and AGR Establish WQOs applicable to Limited MUN Use • Remove SMCLs • Incorporate Agricultural Map Zones
Section 4 – Implementation (including Plans & Policies, Section 5, in Tulare Lake Basin Plan)	<p>Incorporate SNMP (combination of policy and technical):</p> <ul style="list-style-type: none"> • Key Structural Elements <ul style="list-style-type: none"> ○ IAZ Framework (or more refined areas, where appropriate) ○ Ambient water quality findings/characteristics ○ Salt disposal options (Sinks) • Policy Elements <ul style="list-style-type: none"> ○ First encountered groundwater ○ Zone of Influence ○ New authorities - offsets, variances ○ Points of compliance ○ Define BPTC, Maximum Benefit ○ Stormwater recharge/recycled water policies • Implementation Methodology Elements <ul style="list-style-type: none"> ○ Rules for routine calculations (assimilative capacity, mass balance, averages, etc.) ○ Methods for MUN/AGR use demonstrations ○ Maximum benefit demonstration methodology 	
Section 5 (or 6 in Tulare Lake Basin Plan) – Surveillance and Monitoring	<ul style="list-style-type: none"> • Attainment assessment methodology • Surveillance Plan 	<ul style="list-style-type: none"> • Attainment assessment methodology • Surveillance Plan

CV-SALTS Meeting Calendar

2013

1 January

Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

2 February

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2
3	4	5	6	7	8	9
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24	25	26	27	28		

3 March

Sun	Mon	Tue	Wed	Thu	Fri	Sat
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31						

4 April

Sun	Mon	Tue	Wed	Thu	Fri	Sat
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28	29	30				

5 May

Sun	Mon	Tue	Wed	Thu	Fri	Sat
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26	27	28	29	30	31	

6 June

Sun	Mon	Tue	Wed	Thu	Fri	Sat
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30						

7 July

Sun	Mon	Tue	Wed	Thu	Fri	Sat
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7	8	9	10	11	12	13
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28	29	30	31			

8 August

Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1	2	3
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9 September

Sun	Mon	Tue	Wed	Thu	Fri	Sat
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29	30					

10 October

Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1	2	3	4	5
6	7	8	9	10	11	12
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11 November

Sun	Mon	Tue	Wed	Thu	Fri	Sat
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12 December

Sun	Mon	Tue	Wed	Thu	Fri	Sat
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29	30	31				

Notes	
2nd or 3rd Thursdays	
Dark Green Exec Comm Policy	
RWQCB Update <u>Bold Underline</u>	
2nd or 3rd Tuesdays	
Lt. Green Hatch Exec Comm Admin	
First Monday except conflicts	
Yellow Salty 5	
Lower San Jaquin River Committee	
Light Red conflicts	
Third Thursday Exceptions	
January 24 vs 17th due to CASA	
Dark in July & December for Policy	
Nov 14 vs 21 due to Thanksgiving	
Second Friday Exceptions	
April due to RWQCB meeting	
December 3 State Board Presentation	