CV-SALTS Public Education & Outreach Committee Meeting

When: Thursday, June 21, 2018 from 3:00 PM to 4:00 PM

Location: Teleconference Only

Conference #: (641) 715-3580   Code: 279295#

Agenda

1. Welcome and Introductions

2. Approval of Meeting Notes for April 3, 2018

3. Outreach Matrix Update – Mary and Charles
   - Review Documented Activities and Feedback
     - Outreach Tracking
     - Press and broader outreach

   - Project Timeline 2018 – 2019
   - June Update “Status Report on Communication Strategies and Activities”
   - Workshop Planning

5. Discuss material/product needed - All
   - Parry Klassen Video
   - Tess Dunham CVCWA May 9 Annual Conference PowerPoint

6. Recap Next Steps and Set Next Meeting

7. Adjourn

One or more Central Valley Regional Water Quality Control Board members may attend.
CV-SALTS Public Education and Outreach Committee Meeting ACTION NOTES

Convened: April 3, 2018 from 3:00 PM to 4:00 PM
Participants: Charles Gardiner, Glenn Meeks, Cristel Tufenkjian, Mary Currie, Daniel Cozad, J.P. Cativiela, Christine Zimmerman, Parry Klassen, Nicole Bell (Chair)

Agenda

Item 1: Welcome & Introductions
- Participants are as indicated above.

Item 2: Approval of Minutes of the February 26, 2018 Meeting
- Cristel Tufenkjian moved, and Parry Klassen seconded, and by general acclamation the February 26, 2018 Meeting Action Notes were approved.

Item 5: Outreach Matrix
- Mary Currie provided an update on the outreach activities being captured in the matrix and stressed the importance of logging all contacts, even single phone calls or emails.
  - Editorial boards at the Sacramento and Fresno Bee were contacted, however June primary election coverage is their primary concern, deferring any potential CV-SALTS coverage until after June 5th.
    - CV-SALTS representatives suggested as possible participants in the editorial board meetings:
      - David Cory, Bobbi Larson and a representative from Regional Board (Patrick/Pamela, Glenn, or Jeanne).
      - Mary will edit the editorial board strategy and Daniel will forward to the Regional Board to decide who would be able to participate and when.
      - It was suggested that the Redding newspapers also be contacted.
    - In the Proposed Workshop Schedule revise “3 to 6 months” to read “6 months to a year…”
      - Once the proposed workshop schedule and format is finalized it will need to go to the Executive Committee and CVSC for approval.

Item 5: Discuss material/product needed.
- The committee discussed the one and two-page versions of the Drinking Water insert. The inserts were revised and approved with edits suggested by the Executive Committee. PEOC agreed to an additional edit to the two-page version:
  - Delete the first sentence: “In 2012, California established access to clean, safe drinking water as a legal right through the Human Right to Water Bill (AB 685).” The final versions will be posted to the web site.
  - Storm water group has reached out to Mary and may also want to develop an insert in the future.
- The committee discussed the possibility of developing a video element for outreach purposes.
  - Mary and Charles will review a previously recorded video from an East San Joaquin Coalition presentation to determine if it can be edited/condensed for outreach purposes.

Item 5: Recap Next Steps and Set Next Meeting
- The next PEOC meeting will be Tuesday, May 1st.

Item 6: Adjourn
Phase 1: Communication Plan and Written Materials Developed

In late 2016, with the pending release of the CV-SALTS Salt and Nitrate Management Plan (SNMP), it was clear to the CV-SALTS Executive Committee (EC) and the CV-SALTS Public Education and Outreach Committee (PEOC) that additional education and outreach was necessary to inform stakeholders about the SNMP and the associated regulatory modifications and improvements.

The Catalyst team was brought on board to support the ramp-up of education and outreach for the CV-SALTS initiative. The Catalyst team began by developing a comprehensive Communication Plan to support general outreach and education for the January 2017 SNMP release, 2018 Basin Plan Amendment process, and the 2018 start of implementation of the SNMP. Working with the PEOC members collectively and individually, the Communication Plan was developed to include goals, key audiences, prioritization of key audiences, key messaging, and suggested engagement tactics. The Communication Plan was developed to be flexible and allow for the appropriate level of education and outreach for SNMP-related milestones. A core principle of the Communications Plan was that CV-SALTS leaders and Central Valley Salinity Coalition members would be leaders and spokespeople for the program. The PEOC and the Catalyst team would develop supporting materials and provide coordination support for outreach and education activities.

Following the completion of the Communication Plan and the January 2017 release of the SNMP, the Executive Committee and PEOC agreed that the communications priority was to focus on the development of written communication materials that would best support the education and outreach efforts to key opinion leaders in all affected industries. A family of written materials was developed to serve as the foundational outreach and education tactics (see page 3). The written communication materials can now be used with the wide range of audiences prioritized in the Communication Plan to convey the purpose and regulatory recommendations of the SNMP.

Phase 2: Establish and Execute a Communication Strategy for January 2018 through December 2019

The Communication Plan established the following goals:

- Inform, educate, and raise awareness regarding the overarching salt and nitrate pollution challenge in the Central Valley.
- Inform, educate, and raise awareness regarding the SNMP, its associated policy recommendations, and suggested implementation timeline.
- Build support for adopting and implementing the SNMP and its associated policies.
- Change attitudes regarding regulations being "all bad" and communicate that the SNMP adds needed flexibility.
- Influence audiences that may have apprehension or concerns regarding the SNMP.
- Explain and promote the benefits of the SNMP.
- Ensure that stakeholders are adequately informed prior to each SNMP project milestone.

The key CV-SALTS activities in 2018 and 2019 are:

(1) The Basin Plan Amendment process before the Regional and State Boards
The subsequent SNMP implementation planning and education.

The overarching communication strategy is to broaden the outreach and education effort when and where possible, and within resources available.

**The following are the proposed priorities for 2018 and 2019:**

- Continue to **inform, educate, and raise awareness** regarding the overarching salt and nitrate pollution challenge in the Central Valley.
- Brief key reporters and editorial boards about CV-SALTS and the Basin Plan Amendment process leading up to Central Valley Board and State Water Board actions.
- Inform, educate, and raise awareness regarding the Basin Plan Amendments among key representatives of the regulated community and other influencers.
- Build support for adopting and implementing the Basin Plan Amendments by both the Regional and State Boards.
- Develop educational workshops for communities and regulated entities in high priority areas.

Following conversations with PEOC members representing specific industry sectors in December 2018, the following recommendations were made for continuing, and expanding where possible, the outreach and education efforts.

One of the key considerations for the PEOC and the Executive Committee (EC) is the effort and involvement of CV-SALTS participants and Coalition members in the 2018 outreach and education activities. As outreach activities expand across the Central Valley, additional spokespeople are needed. The PEOC members do not have the bandwidth to expand their outreach and education efforts further. Other leaders are needed to increase involvement in education and outreach by undertaking activities such as making presentations and sharing the CV-SALTS Outreach Brochure with their constituents and others.

The following are actions authorized by the PEOC and taken from January 2018 through May 2018, leading up to the May 31 Public Hearing by the Regional Board where the Basin Plan Amendments would be considered.

- **January 2018:** After reviewing the Priority 1 and 2 audiences outlined in the Communication Plan, the audiences that have not yet been “touched” with information about CV-SALTS where identified. A report was made to the PEOC at their January 2018 meeting.
- **March and May 2018:** Editorial Boards at the Sacramento Bee, Fresno Bee, and Bakersfield Californian were contacted in March and in May 2018. There was no traction gained as the Editorial Boards were focused on the June 6 California Primary Election.
- **May 2018:** In late May, reporters at the Sacramento Bee, Fresno Bee, and Bakersfield Californian were contacted. There was some interest shown but no traction gained to date.

Now that the Regional Board approved the Basin Plan Amendments on May 31, 2018, and the State Board is targeted to consider approval of the Basin Plan Amendments in June 2018 the following communication strategies should be considered. The following are actions for the EC and PEOC to consider as the communication strategies for the remainder of 2018 into 2019.

1. **Hold workshops in High Priority Areas** - Introduce Management Zone concept, incentives to form a Management Zone, How to Get Organized (land use and water use driven). These initial workshops will serve to develop the structure, format, and content for workshops in other areas of the Central Valley. The invitations would be the responsibility of all members of the Central Valley Salinity
Coalition and the Regional Board. Content from these workshops could also be used to develop a Webinar that stakeholders could be informed about and view on their own time.

2. **Coordinate** with GSAs to introduce CV-SALTS
3. **Editorial Board** outreach – Spring 2019
4. **General Reporter** outreach – timing needs to be tied to an action, possibly around the workshop(s)
5. **Additional Collateral Materials** – Develop any additional outreach and educational materials to explain, in more detail, the steps that dischargers will have to follow in the high priority areas. The approach could be a combination of written materials and/or a targeted Webinar.
6. **Identify outreach tactics** for the not yet “touched” audiences.
7. **Work with** Executive Director CVSC Daniel Cozad to reach out to key leaders at the Farm Bureau, the Agricultural Council of California, and the Western Growers Association to assess their knowledge and position on CV-SALTS, with the intention of enlisting their support in educating their memberships.
8. **Identify specific groups**, organizations, associations, individuals, etc. that do not or may not support the Basin Plan Amendments. Schedule a briefing with these key influencers prior to the scheduled approval by the State Board now targeted for June 2019.
9. **Continue monitoring** events, conferences, workshops where CV-SALTS should be present and on the agenda. Once identified, schedule an appropriate presenter or panel.
10. **Review existing PowerPoint presentations** developed to date on CV-SALTS and the SNMP with the intention of creating one PowerPoint presentation for use by EC/PEOC/Coalition members to aid in making simple presentations. Industry specific slides would be made available for inclusion.
11. **Work with the EC/PEOC to identify stakeholders**, by industry sector, that will attend and express support at the Basin Plan Amendment hearing before the State Water Board now targeted for June 2019.

**Summary of Communication Materials Available for Outreach and Education as of June 2018**

**Written Materials**

The first outreach tactic was to develop a family of written communication pieces that could be easily distributed and readily used to support the Communication Plan goals. The following is a list of the written materials developed from December 2016 to June 2018.

1. **Communication Plan**
2. **CV-SALTS Fact Sheet**, 2 pages
3. **Overview of the SNMP**, 3 pages
4. **Overview of CV-SALTS and SNMP**, 4 pages
5. **Press Release** – not issued
6. **Seven Policy Summaries**, 2 pages were reviewed and edited by Catalyst in February 2017
7. **CV-SALTS Outreach Brochure** – 11 by 17 printed
8. **Spanish Versions** of the 2-page Fact Sheet and the CV-SALTS Outreach Brochure
9. **Five topic-specific inserts** (Dairy, Sacramento Valley Ag, San Joaquin/Delta Ag, Publicly Owned Treatment Works, Oil and Gas) for distribution with the Outreach Brochure. The Safe Drinking Water insert is still in process, and will not be ready for approval until the February EC/PEOC meetings.
10. **Status Updates for 2016 and 2017** were developed for the CV-SALTS website.
Outreach Tracking Tool

A Google Drive Outreach Tracking spreadsheet for PEOC members to easily enter outreach endeavors and future events is now online. The link to the spreadsheet is:

https://docs.google.com/spreadsheets/d/1UJjueg72j7p1C8qz5xcckV3I_OpxgZ5QDFg4b8Halal/edit#gid=1913590428

PowerPoint Presentations

Concurrently, Daniel Cozad CV-SALTS Executive Director, Central Valley Water Board staff, and PEOC members have developed PowerPoint presentations to use when discussing CV-SALTS, the SNMP, and the Basin Plan Amendments.
Overview

With the Basin Plan amendment process moving forward, the CV-SALTS Public Education and Outreach Committee (PEOC) recommended that a workshop be developed aimed at informing regulated dischargers about the necessary steps to implement the Central Valley Regional Water Quality Control Board (Regional Board) new nitrate and salt regulations.

Timing

The schedule for Basin Plan Amendments is as follows (subject to change, updated June 10, 2018):

- Regional Board action: May 31
- State Water Board action: June 2019
- Office of Administrative Law (OAL): possible action in fall 2019
- US EPA action: following OAL

Once approved, the Regional Board would mail notifications to dischargers in the six high priority basins and subbasins that include Kaweah, Turlock, Chowchilla, Tule, Modesto, and Kings.

Two workshops are envisioned to encompass the six high priority areas. One workshop would be held in the Visalia/Tulare area covering the Kaweah, Tule, and basins and subbasins. Another workshop could be held in the Turlock/Chowchilla/Modesto area to cover the Turlock, Chowchilla, Modesto basins and subbasins.

Workshop Goals

The workshops would provide:

- Overview of the nitrate problem and regulatory goals and priorities.
- Concise overview of the two pathways for nitrate compliance under the new regulations.
- Information about grant funding opportunities for the formation of Management Zones.
- Information about the steps and timing that are required under each compliance choice.
- Resources for forming Management Zones.

Workshop Audiences

Invited participants would include regulated permittees across all industries:

- Irrigated agriculture
- Dairies
- Publicly operated wastewater treatment systems
- Oil and gas
- Food processors

Other participants could include:

- GSAs
- Drinking water providers
- County public health departments
Workshop Structure

The workshops would be planned to include both presentations from the CVSC/CV-SALTS regulatory leaders and specialists and breakout sessions on key topics and local problem solving.

Planning Timeline

June 2018 – Conference call with key players (including Daniel Cozad, Tess Dunham, Tim Moore, Parry Klassen, J.P. Cativiela, Nicole Bell, David Cory, and any others identified as essential) to establish workshop goals, structure, and agenda.

July – Work with Regional Board staff and leaders in priority areas to develop notification and invitation process, set preferred dates and locations. Establish budget and funding for the workshops.

July/August 2018 – Confirm dates and locations, determine and confirm presenters and breakout leaders.


September 2018 – Save the Date sent to participants.

October 2018 – Invite participants.

Early November 2018 – workshops.
Date: June 11, 2018  
To: Daniel Cozad and PEOC  
From: Charles Gardiner and Mary Currie, The Catalyst Group  
RE: For Discussion at June 2018 PEOC Call - Parry Klassen’s Turlock Groundwater Basin Video

On December 4, 2017, Parry Klassen recorded a presentation to the East San Joaquin Water Quality Coalition. The presentation included Parry Klassen, Tim Moore, Tess Dunham, and Richard Meyerhoff talking about what is being done through the CV-SALTS initiative and the Central Valley Regional Water Quality Control Board to modify the regulations for nitrates and salts. The recording is one hour and 17 minutes.

With attention spans dwindling to just a few minutes on a given subject, the PEOC asked The Catalyst Group to review the footage to see if there were meaningful topic segments that could be edited into standalone pieces. Two footage logs were created from which a mini-library of topics would be created for someone to be able to choose a topic to view. In Option 1, there are up to 27 standalone segments, Among the 27, some are better than others, so the number of segments could be reduced to the “best” picks or whatever combination the PEOC prefers. Additionally, a shorter list of 18 topic segments are also provided under Option 2. Richard Meyerhoff’s presentation was not logged as his presentation is focused on salinity.

Catalyst obtained two cost estimates from video editors to create 27 individual topic segments. The two cost estimates include adding a title page to each segment. The two estimates were $3500 and $600. The high estimate is from a professional editor using higher end equipment. The second bid is from a professional that primarily focuses on web-based video editing.

**OPTION 1: More, Shorter Topic Segments**

**Tim Moore – Topic Segments**

1. Water Quality Standards in California 1:41 to 2:25  
2. Drinking Water Standards for Salts and Nitrates 2:26 to 5:43  
3. Salt and Nitrate Contamination in Groundwater Basins 5:45 to 7:03  
4. High Priority Areas (Salt and Nitrate) in the Central Valley 7:05 to 8:40  
5. Turlock Basin: Salt & Nitrate Contamination Status 8:41 to 10:29  
6. Turlock Basin: In Top 6 Challenged GW Basins for Nitrates 10:30 to 11:56  
7. Big 6 GW Basins Critically Challenged for Nitrates 12:00 to 12:44  
8. Turlock Basin: Perfect Storm = Nitrates, Domestic Wells, DACs 12:47 to 15:14  
9. State and Regional Board Recent Actions Re: Water Quality 15:25 to 19:48  
10. What Does it Mean to Come into Compliance with Current Regs? 19:53 to 21:56  
14. Turlock Basin: Start planning now, submit grant application, How will it work, How will you organize? Align with GSAs? 28:36 to 32:34
Tess Dunham – Topic Segments

1. Intro 33:59 to 35:34
2. Management Goals (of the SNMP) 35:35 to 37:46
3. New and Revised Regional Board Authorities for Nitrates 37:47 to 39:56
5. Priority Basins – The Top Six 43:43 to 44:58
6. Nitrate Permitting Strategy: Two Options (Individual & MZs) 44:59 to 47:41
7. Management Zone Characteristics, Natural Connection to GSA 47:42 to 49:14
8. Management Zone Timeline 49:15 to 52:15
9. Preliminary Management Zone Proposal includes 52:16 to 53:32
10. SB 623 and Funding for CV-SALTS/Management Zones 53:33 to 56:36
11. Early Action Plans (EAP) identify how to get drinking water 56:37 to 58:12
12. Final Management Zone Proposal 58:13 to 58:53
13. Management Zone Implementation Plan 58:53 to 59:40

OPTION 2 – Fewer, Slightly Longer Topic Segments

Tim Moore – Topic Segments

1. Water Quality Standards, Standards for Salts and Nitrates 1:41 to 5:43
2. Salt and Nitrate GW Contamination, High Priority Areas 5:45 to 8:40
3. Turlock Basin: Salt & Nitrate Contamination Status and the Big 6 8:41 to 12:44
4. Turlock Basin: Perfect Storm = Nitrates, Domestic Wells, DACs 12:47 to 15:14
5. State and Regional Board Recent Actions Re: Water Quality 15:25 to 19:48
6. Compliance with Current Regs, Need Good Water Quality Now 19:53 to 22:50
9. Turlock Basin: Start planning now, submit grant application, 28:36 to 32:34
10. How will it work, How will you organize? Align with GSAs? 28:36 to 32:34

Tess Dunham – Topic Segments

1. Intro/ Management Goals (of the SNMP) 33:59 to 37:46
2. New and Revised Regional Board Authorities for Nitrates and Nitrate Management Strategy Timeline 37:47 to 43:42
3. Priority Basins – The Top Six 43:43 to 44:58
4. Nitrate Permitting Strategy: Two Options (Individual & MZs) 44:59 to 47:41
5. Management Zones: Characteristics, Natural Connection to GSA Timeline and Preliminary Management Zone Proposal 47:42 to 53:32
6. SB 623 and Funding for CV-SALTS/Management Zones 53:33 to 56:36
8. Summary 59:41 to 1:00:27
CV SALTS: YOUR PERMITS AND YOUR COMMUNITIES

CVCWA 2018 ANNUAL CONFERENCE
MAY 9, 2018
TESS DUNHAM
SOMACH SIMMONS & DUNN
CV SALTS: Central Valley Salinity Alternatives for Long-term Sustainability

- Ten year long stakeholder process
- Long term management of salt in surface and groundwater
- Long term management of nitrate in groundwater
- Increased flexibility in regulating discharges of salt and nitrate
Balancing Factors

Economic Sustainability

Water Quality

Economic Viability

Safe Drinking Water

Legal Viability

Beneficial Uses

Long Term Sustainability
Groundwaters of the Central Valley Region:

Nitrate

Salinity
Legal Foundations

Porter Cologne Water Quality Control Act

Water Quality Control Plan for the Tulare Lake Basin

Beneficial Uses (MUN, AGR)

Water Quality Objectives

WDRs
Applicable Water Quality Standards

MUN
- Nitrate <10 mg/L (as N)
- Salinity (as TDS): 500 - 1,000 mg/L

AGR
- Salinity (as TDS): varies, but can be as low as 450 mg/L
Current Permitting Requirements

• In areas where groundwater quality is poor (e.g. does not meet water quality objectives), discharges to the basin must not exceed the applicable water quality objective.

  SWRCB WQO #73-04 and WQO #81-05

• In areas where the groundwater quality is good, discharges are generally regulated to prevent further degradation except under special conditions.

  SWRCB Res. No. 68-16
Existing Water Board Options

- Require discharge to meet water quality objective (e.g., must meet 10 mg/L)
- Allocate assimilative capacity – if available
- Adopt time schedule for meeting objective
- Prohibit the discharge
“The Water Boards will evaluate all existing Waste Discharge Requirements to determine whether existing regulatory permitting is sufficiently protective of groundwater quality...”

SWRCB Report to Legislature, 2013

SNMP Requirement (2009)
Dairy Permit Remand (2012)
DDW moved to SWRCB (2014)
SGMA (2014)
Safe Drinking Water Policy (2015)
SWRCB Res. No. 2016-0010
CVRWQCB Res. No. 2016-0018
Salinas Basin Enforcement (2015)
Kaweah, Tule, Kings Enforcement (2016)
To Achieve Balance CV SALTS is Creating New Alternative Compliance Options

- Exceptions & Variances
- Offset Projects
- Authorized Degradation
- Phased Implementation
- Management Zones
The Big Picture – Salt and Nitrate

Nitrate & Salinity Control Programs

Prioritized Program
- Nitrate Compliance Pathways
  - Generally Maintain Traditional Permitting Approach
  - Management Zone Permitting Approach

Phased Program
- Salinity Compliance Pathways
  - Conservative Permitting Approach
  - Alternative Permitting Approach
Nitrate Control Program

• Focuses on addressing drinking water issues first
• Provides Regional Board with flexibility in how it regulates nitrate discharges
• Looks to address nitrate in groundwater over the long-term
New/Revised Regional Board Authorities for Nitrate

• Allows for Exceptions to meeting nitrate water quality objective
• Management Zones
  – Alternative for calculating and allocating assimilative capacity
  – Exception for area
• Offset Projects
Recommended Priority Areas

- Priority 1 Area (Red) – Notice to Comply *within one year of Basin Plan amendments* becoming effective
- Priority 2 Area (Orange) – Notice to Comply *within 2-4 years of Basin Plan amendments* becoming effective
- Non-priority Areas (Green) – Implementation to be phased in at a later date
### Priority Groundwater Basins/Subbasins

#### Priority 1

<table>
<thead>
<tr>
<th>No.</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>5-22.11</td>
<td>Kaweah</td>
</tr>
<tr>
<td>5-22.03</td>
<td>Turlock</td>
</tr>
<tr>
<td>5-22.05</td>
<td>Chowchilla</td>
</tr>
<tr>
<td>5-22.13</td>
<td>Tule</td>
</tr>
<tr>
<td>5-22.02</td>
<td>Modesto</td>
</tr>
<tr>
<td>5-22.08</td>
<td>Kings</td>
</tr>
</tbody>
</table>

#### Priority 2

<table>
<thead>
<tr>
<th>No.</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>5-21.67</td>
<td>Yolo</td>
</tr>
<tr>
<td>5-22.04</td>
<td>Merced</td>
</tr>
<tr>
<td>5-22.14</td>
<td>Kern County (Westside South)</td>
</tr>
<tr>
<td>5-22.12</td>
<td>Tulare Lake</td>
</tr>
<tr>
<td>5-22.14</td>
<td>Kern County (Poso)</td>
</tr>
<tr>
<td>5-22.07</td>
<td>Delta-Mendota</td>
</tr>
<tr>
<td>5-22.01</td>
<td>Eastern San Joaquin</td>
</tr>
<tr>
<td>5-22.06</td>
<td>Madera</td>
</tr>
</tbody>
</table>
## Nitrate Permitting Strategy: Two Options

<table>
<thead>
<tr>
<th>Individual Permitting Pathway</th>
<th>Management Zone Pathway</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Discharger opts to comply as an individual, or third party maintains current approach</td>
<td>• Dischargers opt to work collectively with other dischargers through a Management Zone</td>
</tr>
<tr>
<td>• Defines receiving water as shallow groundwater</td>
<td>• Management zone is a defined area, e.g., a portion of a larger groundwater basin/subbasin</td>
</tr>
<tr>
<td>• Establishes five discharge categories and associated compliance requirements</td>
<td>• Serves as a discrete regulatory compliance unit for compliance</td>
</tr>
<tr>
<td>• Establishes trigger levels for consideration with regard to Board allocation of available assimilative capacity</td>
<td></td>
</tr>
</tbody>
</table>
Need to Address Nitrate Drinking Water

Early Action Plans

• Identify nitrate contaminated municipal and domestic wells in area that may be impacted by discharge

• Prepare plan for assuring emergency safe drinking water for those impacted
  • May include funding from federal, state, local and other sources
Management Zone

“Discrete Regulatory Compliance Unit within a Groundwater Basin/Subbasin”

Collaborative Nitrate Management in an Area within a Groundwater Basin/Subbasin
Management Zone Characteristics

- Proposed by Stakeholders
- Facilitate Stakeholder Cooperation
- Assure Safe Drinking Water for Adversely Affected Residents
- Promotes Coordinated Water Resource Management
- Promotes Prioritization of Resources Allocation
- Discrete Regulatory Compliance Unit within a Groundwater Basin/Subbasin

- Assure Safe Drinking Water for Adversely Affected Residents
- Promotes Prioritization of Resources Allocation
- Facilitate Stakeholder Cooperation
- Proposed by Stakeholders
- Promotes Coordinated Water Resource Management
Timeline

270 Days

Notice to Comply

Submit NOI
Implement Early Action Plan (EAP)

120 Days

Revise WDRs/Waivers
• Continue to implement EAP
• Develop Management Zone Implementation Plan
  • Implement Plan upon Board approval

Timeline is Management Zone Dependent

Submit Final Management Zone Proposal
• Timeline for development of Management Zone Implementation Plan
• Indication of whether management zone will seek compliance through allocation of assimilative capacity or through an Exception

50 Days
Salinity Control Program

• Manage rate of degradation
• Implement salt management activities to achieve balance, to the extent reasonable, feasible and practicable
• Protect beneficial uses to the extent reasonable, feasible and practicable
Phased Salinity Program

• Need more information to develop a long-term management strategy that considers:
  – Differences across hydrologic regions
  – Potential local or sub-regional solutions vs. a broad region-wide solution
  – Other relevant programs such as GSAs
  – Impacts of existing policies/programs that impact salt management

• Resource allocation must be prioritized to focus first and foremost on addressing nitrate drinking water issues

• Stepwise, adaptive process allows time to determine how best to manage salt
What does Phasing look like?

Phase I*
- Notice to Comply
- Select from Two Compliance Pathways
- Re-evaluate Program
- Modify Program (as needed)
- Change Compliance Pathway (if desired)

Phase II*
- Re-evaluate Program
- Modify Program (as needed)
- Change Compliance Pathway (if desired)

Phase III*
- Re-evaluate Program
- Modify Program (as needed)
- Change Compliance Pathway (if desired)
## What happens during each phase?

<table>
<thead>
<tr>
<th>Phase</th>
<th>Purpose/Activities</th>
</tr>
</thead>
</table>
| **Phase I – Prioritization & Optimization (P&O) Study (10-15 years)** | • Develop data/information for sensitive/non-sensitive areas for Central Valley hydrologic regions, including guidelines to protect salt sensitive crops;  
  • Identify sources of salinity and actions that impact salinity concentrations;  
  • Evaluate impacts of state policies and programs;  
  • Identify/prioritize preferred physical projects for long-term salt management (e.g. regulated brine line(s), salt sinks, regional/subregional de-salters, recharge areas, deep well injection)  
  • Develop preferred physical project conceptual designs/assess environmental permitting requirements/costs associated with projects;  
  • Identify non-physical projects and plan for implementation; and  
  • Develop a governance structure and funding plan. |
| **Phase II – Project Development & Fund Acquisition (10-15 years)** | • Obtain long-term funding;  
  • Complete environmental permitting and engineering/design for physical projects identified in Phase I;  
  • Implement non-physical projects |
| **Phase III - Implementation (10+ years)** | • Construct salt management projects as designed in previous phases |
What are my compliance pathway options for phase I?

Permittees Have the Opportunity to Select a Compliance Pathway at the Beginning of Phase I

Phase I - Conservative Salinity Permitting Approach
- Source control
- Conservative effluent and/or receiving water limits
- Limited use of assimilative capacity or time schedules
- Eligibility requirements for exception/variance not met

Phase I - Alternative Salinity Permitting Approach
- Support funding of P&O Study
- Participate in P&O Study activities, as appropriate
- Continue/maintain existing salt management program
- Eligible for exception/variance
Conditional Prohibition for Salt Control Program

- Applies when a Notice to Comply is received
- Discharges of salt above conservative values prohibited unless following Phase I timelines

Conditional Prohibition for Nitrate Control Program

- Applies when a Notice to comply is received
- Discharges of nitrate prohibited unless meeting Nitrate Control Program timelines
Summary of Impact to POTWs

Everyone will need to consider compliance with Salt Control Program within 6 months of Notice to Comply (which is to be issued within 1 year of effective date)

Permittees in priority I areas will need to consider compliance with Nitrate Control Program within 330 days from Notice to Comply (based on priority)

Salt and nitrate permit provisions may change

Depending on discharge quality and permitting circumstances, may need to use alternative compliance
## CV-SALTS Meeting Calendar

### 2018

<table>
<thead>
<tr>
<th>Date</th>
<th>January</th>
<th>February</th>
<th>March</th>
<th>April</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>August</th>
<th>September</th>
<th>October</th>
<th>November</th>
<th>December</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sun</td>
<td>Mon</td>
<td>Tue</td>
<td>Wed</td>
<td>Thu</td>
<td>Fri</td>
<td>Sat</td>
<td>Sun</td>
<td>Mon</td>
<td>Tue</td>
<td>Wed</td>
<td>Thu</td>
<td>Fri</td>
</tr>
<tr>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
<td>8</td>
<td>9</td>
<td>10</td>
<td>11</td>
<td>12</td>
<td>13</td>
</tr>
<tr>
<td>18</td>
<td>19</td>
<td>20</td>
<td>21</td>
<td>22</td>
<td>23</td>
<td>24</td>
<td>25</td>
<td>26</td>
<td>27</td>
<td>28</td>
<td>29</td>
<td>30</td>
</tr>
<tr>
<td>31</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
<td>8</td>
<td>9</td>
<td>10</td>
<td>11</td>
<td>12</td>
</tr>
<tr>
<td>20</td>
<td>21</td>
<td>22</td>
<td>23</td>
<td>24</td>
<td>25</td>
<td>26</td>
<td>27</td>
<td>28</td>
<td>29</td>
<td>30</td>
<td>31</td>
<td>32</td>
</tr>
<tr>
<td>40</td>
<td>41</td>
<td>42</td>
<td>43</td>
<td>44</td>
<td>45</td>
<td>46</td>
<td>47</td>
<td>48</td>
<td>49</td>
<td>50</td>
<td>51</td>
<td>52</td>
</tr>
</tbody>
</table>

### Notes/Key

- **Light Red conflicts**
- **Third Thursdays Where possible**
- **Executive Committee Meetings**
- **Policy or Admin Calls 1:00 or 1:30pm**
- **Yellow Salty 5**
- **Regional Board Workshops/Hearings**
- **TAC Meeting**
- **PEOC Committee**