

Drinking Water Policy for Surface Waters of the Delta and its Tributaries



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Introduction

- Background and History
- Grant Funded Studies
- Policy Outline
- Workplan & Funding Proposal

Background and History

- Importance of the Delta as a source of drinking water
 - Delta provides drinking water to 25 million people in California
 - Delta tributaries are of sufficient water quality for drinking water

Background and History

- Why are we developing a drinking water policy?
 - 2000 – CALFED Record of Decision
 - 2002 – CALFED Drinking Water Quality Program Memorandum of Understanding

Background and History

- Central Valley Drinking Water Policy Workgroup formed in 2002
- Constituents of Concern identified
- Work Plan developed in 2003 outlining technical information to develop a Policy
 - Source Evaluation
 - Analytical Modeling
 - Water Treatment System Modeling

Background and History

Funding

- CUWA and SRCSD together funded ½ staff person per year since 2003
- Prop 50 grant of \$970,000 awarded in 2004

Background and History

Board Resolution No. R5-2010-0079

- Complete grant funded technical studies
- Focus on organic carbon and pathogens
- Coordinate with other planning efforts
- Present an Outline, Workplan, and Funding Proposal within 1 year
- Present a final Drinking Water Policy for Board action within 3 years

Technical Studies to Support a Drinking Water Policy

➤ Source Evaluations

- Agriculture – Refine land use and parameter information in watershed model
- Wastewater and Urban Runoff – Identify present and projected future loading
- 2030 Scenarios – Planned, Plausible, and Outer Boundary

Technical Studies to Support a Drinking Water Policy

➤ Analytical Modeling

- Reservoir operations, watersheds, Delta
- Modeling results achieved from grant funded studies were inconclusive
- New proposals received for further model refinement and analysis

Technical Studies to Support a Drinking Water Policy

➤ Water Treatment System Modeling

- Utilized influent data instead of model results
- Based projected treatment costs on influent water quality
- Evaluated Present, Plausible and Outer Boundary scenarios
- Increased treatment costs are a function of increasing regulation and not decreasing water quality

Technical Studies to Support a Drinking Water Policy

- Central Valley Drinking Water Policy Workgroup Synthesis Report.
 - Summarize all work completed to date
 - Complete in December 2011

Draft Policy Outline

- Possible narrative Water Quality Objective for pathogens
Cryptosporidium and *Giardia*
- Implementation chapter
- Surveillance and Monitoring

Draft Policy Outline

➤ Implementation Chapter

- Clarify interpretation of narrative water quality objectives
- Clarify existing narrative objective to include organic carbon
- Recognize ongoing planning efforts

Draft Policy Outline

- Surveillance and Monitoring program may include:
 - Monitoring to confirm Workgroup findings
 - Focused, limited-term studies within Delta
 - Information for future model refinement
- Monitoring to be coordinated with Delta Regional Monitoring Program (RMP)

Workplan/Funding Proposal

1. Coordinate with Workgroup on Drinking Water Policy
2. Support new narrative water quality objective for pathogens
3. Assess status of planning efforts relevant to drinking water
4. Present Basin Plan Amendment to Central Valley Water Board

Schedule for the Development of a Drinking Water Policy

- Workgroup Synthesis Report – December 2011
- Outline, Workplan, and Funding Proposal Approval by Executive Officer – December 2011
- Draft Basin Plan Amendment Available for Public Comment – January 2013
- Present Proposed Basin Plan Amendment for Board Action – July 2013

Questions?

Central Valley Drinking Water Policy Workgroup

➤ Panel Members

- Roberta Firoved, Agricultural Interests
- Lynda Smith, Drinking Water Interests
- Delia McGrath, Municipal Storm Water Interests
- Debbie Webster, Wastewater Interests

➤ Other Workgroup Members in Attendance

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