

Workshop
on the
Proposed Amendment
to the
Water Quality Control Plan
for the North Coast Region
to
Update Water Quality Objectives

Item 9

March 15, 2012

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Overview of Staff Presentation

- Goal of the Basin Plan Amendment (BPA)
 - ▶ Phase 1 – Water Quality Objective Update
 - ▶ Phase 2 – Groundwater Implementation Program Update
- Development of the WQO Update BPA
- Framework of the WQO Update BPA
- Summary of WQO Update BPA Revisions
- Introduce Phase 2 BPA
- Schedule and Contact Information

Goal of the Basin Plan Amendment (BPA)

- Develop a comprehensive regionwide groundwater protection program
 - ▶ Phase 1 – Update Water Quality Objectives
 - Surface and Groundwater
 - ▶ Phase 2 – Update Groundwater Implementation Program

Development of the WQO Update BPA

- Develop a new Groundwater Toxicity Objective
- Delete outdated Table 3-2
 - ▶ Revise existing surface and groundwater objectives to delete reference to Table 3-2, etc.
 - ▶ Develop a new general objective for drinking water supplies to replace Table 3-2
- Develop policy that articulates process used when narrative objectives are translated into numeric values or limits

Framework of the WQO Update Amendment

Revise Chapter 3 - Water
Quality Objectives

Editorial
Revisions

Substantive
Revisions

Revise Chapter 4 -
Implementation Plans

Editorial
Revisions

Substantive
Revisions

Proposed Editorial Revisions to Chapters 3 and 4

- Reformat & relocate tables, including Trinity River Temperature Objectives (footnote 5, Table 3-1)
- Rename and add new “Regionwide Policies” section header to Chapter 4 – “Implementation Policies and Action Plans”
 - ▶ Policy for Application of Narrative WQO
- Revise Schedules of Compliance section
- Other editorial revisions

Proposed Revisions to Basin Plan Chapter 3

- New Groundwater Toxicity Objective
- Delete Table 3-2
 - ▶ Inorganic, Organic and Fluoride Concentrations Not to be Exceeded in Domestic or Municipal Supply
- New General Objective for Municipal & Domestic Water Supplies
- Revise existing surface and groundwater quality objectives

Proposed Groundwater Toxicity Objective

Groundwaters shall be maintained free of toxic substances in concentrations that are toxic to, or that produce detrimental physiological responses in humans or aquatic life associated with the beneficial use(s) or that adversely impact one or more beneficial uses. This objective applies regardless of whether the toxicity is caused by a single substance or the interactive effect of multiple substances.

Delete Table 3-2

“Inorganic, Organic and Fluoride Concentrations Not to be Exceeded in Domestic or Municipal Supply”

- Outdated values
- Number of constituents unclear
- Confusing title
 - ▶ Footnote 2
- Process used to determine “most stringent level” unclear

Proposed General Objective for Minimum Chemical Constituents Levels for Municipal and Domestic Water Supplies

At a minimum, waters with the municipal and domestic supply (MUN) beneficial use shall not contain concentrations of chemical constituents in excess of the following maximum contaminant level (MCL) and secondary maximum contaminant level (SMCL) provisions specified in Title 22 of the California Code of Regulations:

- ▶ Table 64431-A, Maximum Contaminant Levels - Inorganic Chemicals
- ▶ Table 64444-A, Maximum Contaminant Levels - Organic Chemicals
- ▶ Table 64449-A, SMCLs - "Consumer Acceptance Contaminant Levels"
- ▶ Table 64449-B, SMCLs - "Consumer Acceptance Contaminant Level Ranges"
- ▶ Tables 64442 & 64443, Radionuclide MCLs and Detection Levels for Purposes of Reporting (DLRs)

These provisions are incorporated by reference into this Basin Plan. This incorporation by reference is prospective, including future changes to the incorporated provisions as the changes take effect.

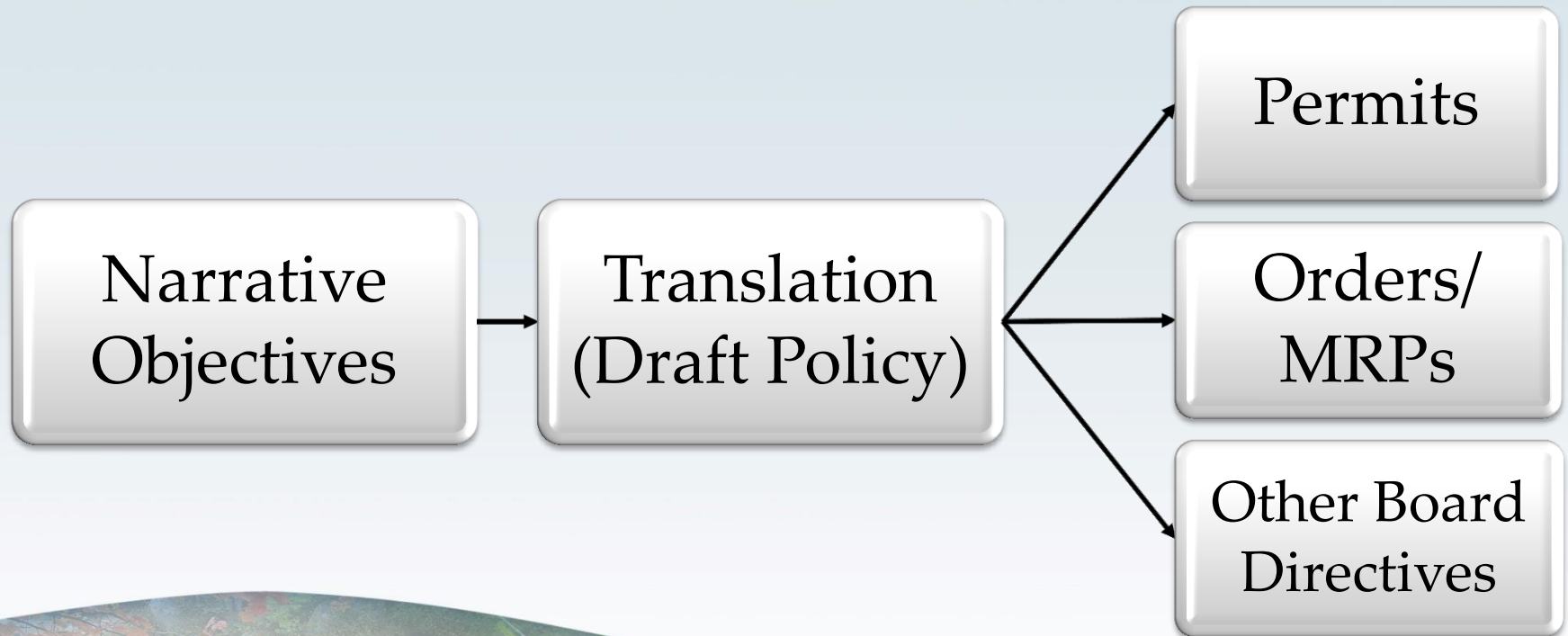
Proposed Revisions to Existing Surface Water Objective for Chemical Constituents

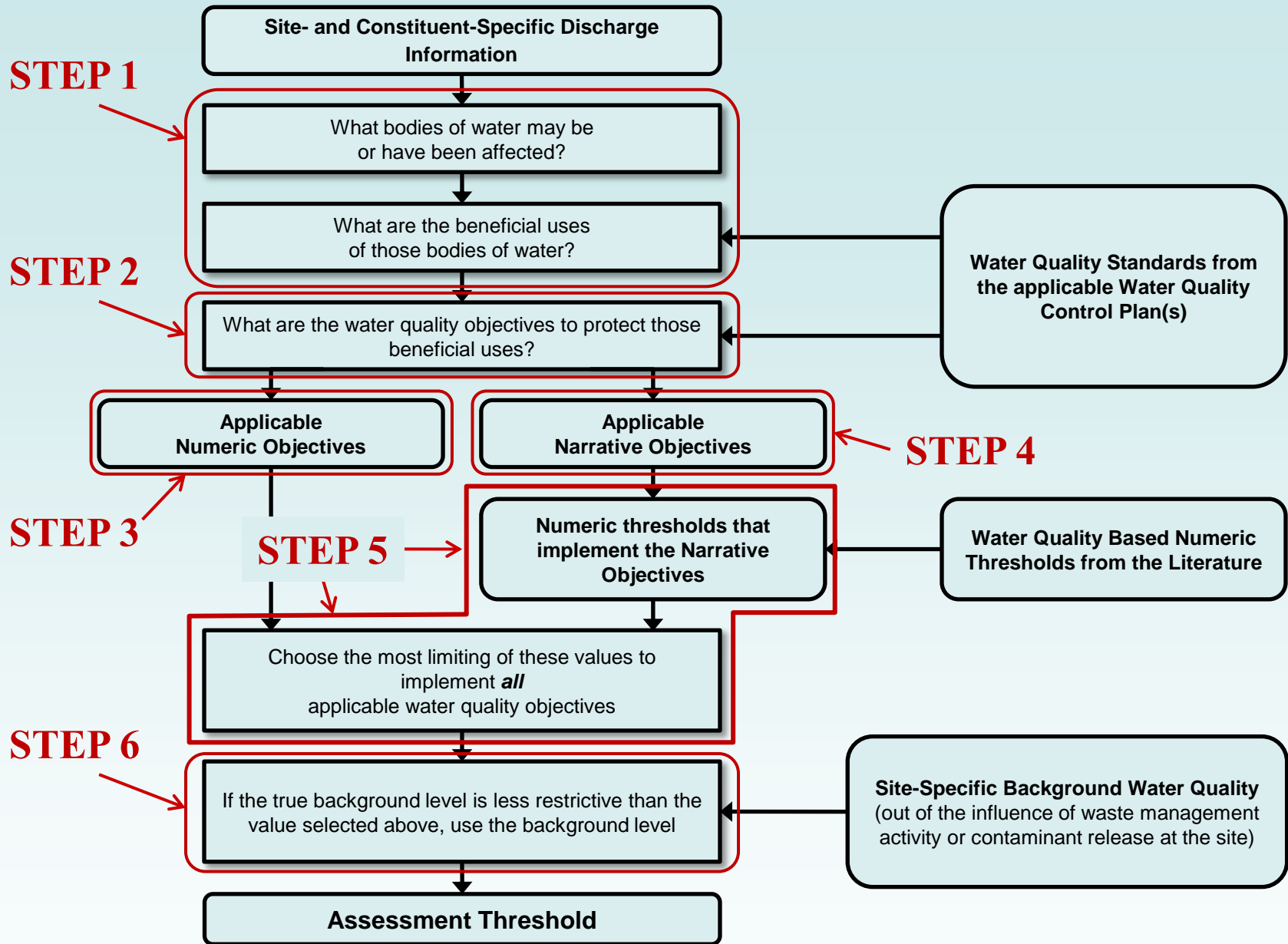
~~Waters designated for use as domestic or~~ At a minimum, waters with the municipal and domestic supply (MUN) beneficial use shall ~~not contain concentrations of~~ comply with the minimum chemical constituents ~~in excess of the limits specified in California Code of Regulations, Title 22, Chapter 15, Division 4, Article 4, Section 64435 (Tables 2 and 3),~~ levels for municipal and Section 64444.5 (Table 5), and listed in Table 3-2 of this Plan. domestic water supplies objective.

Proposed Revisions to Basin Plan Chapter 4

- Include a new policy that clarifies process used by staff to translate narrative objectives into numeric values
 - ▶ Policy for the Application of Narrative Water Quality Objectives

Proposed Policy for the Application of Narrative Water Quality Objectives





Comparison Table of Select Constituents

Constituent	Basin Plan Table 3-2 ($\mu\text{g/L}$)	CCR Title 22 MCL ($\mu\text{g/L}$)	CTR SIP ($\mu\text{g/L}$)	Lowest value ($\mu\text{g/L}$)
Arsenic	50	50	340 - 150	50
Cadmium	10	5	2.83 - 1.8	1.8
Mercury	2	2	0.05 – 0.051	0.05

Schedule for the Proposed WQO Update Amendment

CEQA Scoping:

- July 8, 2010

Release Staff Report and Amendment Language:

- February 3, 2012

Public Comment Period:

- Feb. 3 to March 29, 2012

Workshops:

- November 3, 2011
- March 15, 2012

Public Hearing:

- April or June 2012

Groundwater Implementation Program BPA (Phase 2)

Tentative Schedule

- CEQA scoping meeting
- mid 2012
- Outreach, workshops
- ongoing
- Board consideration
- late 2013/early 2014

WQO Update Amendment Information

- Basin Planning Lyris List (electronic mailing system)
 - ▶ http://www.waterboards.ca.gov/resources/email_subscriptions/reg1_subscribe.shtml
- Website
 - ▶ http://www.waterboards.ca.gov/northcoast/water_issues/programs/basin_plan/water_quality_objectives_update_amendment.shtml
- Staff Contact
 - ▶ Lauren Clyde
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