2017 Triennial Review Update
Public Workshop
October 9, 2017

For the
Colorado River Basin Water Board
Triennial Review

• Required by CWA

• BP Reviewed Every 3 Years
  • Identify Potential Water Quality Issues
  • Reaffirm Basin Plan

• Prioritizes and Directs Planning Efforts
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<td>March 09, 2017</td>
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<td>April 17, 2017</td>
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<td>Public comment period begins (45 days)</td>
<td>Sept. 15, 2017</td>
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<td>Public Workshop</td>
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<td>Oct. 30, 2017</td>
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<td>Board Adoption Hearing</td>
<td>Nov. 09, 2017</td>
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Item Selection

- Protection of Beneficial Uses
- Current Investment
- Availability of External Resources
- Project feasibility
- Purview of the Public Interest
- Impacts or Benefits
- Geographic Scope
- State Water Board policy/ EPA priority
- Regional needs
ITEM 1: Evaluate Potential Sources of Nitrates in Prioritized Basins

Tasks

1. Review Groundwater Analytical Data
2. Identify Controllable Sources
3. Provide Recommendations

- Discharge Prohibition
- Site Specific WQOs
- Ag / WDR Revisions
- Land Use Restrictions
- Monitoring
- Investigations
- Other Controls
ITEM 1:
Evaluate Potential Sources of Nitrates in Prioritized Basins

- Staff Recommendation:
  - Perform a region-wide nitrate assessment of groundwater basins/sub-basins
  - Develop a prioritized list
  - Provide recommendations to the Board
ITEM 2: Establish TDS Water Quality Objectives For Groundwater Throughout the Coachella Valley

Tasks

1. Review Water Quality
   - Standards
   - Criteria
   - Guidance
   - Goals
   - Analytical Data

2. Select Defensible Water Quality Objectives
   - Based on Literature
   - Other Regions WQO
   - Protect BUs
   - Protect WQ
   - Assessment Threshold Algorithm

3. Provide Recommendations
   - Basin Plan Amendment
   - Total Dissolved Solid Water Quality Objective
     - General WQO
     - Site Specific WQO
   - Monitoring
   - Other Alternatives
ITEM 2: Establish TDS Water Quality Objectives For Groundwater Throughout the Coachella Valley

• Staff Recommendation:
  – Establish numeric Water Quality Objectives for Total Dissolved Solids in the Indio Subbasin of the Coachella Valley
  – Evaluate the need for numeric Water Quality Objectives in other priority basins
  – Provide Recommendations to the Board
ITEM 3:
Review of Municipal Beneficial Use Designation in Groundwater with High Salinity
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Review of Municipal Beneficial Use Designation in Groundwater with High Salinity

• Staff Recommendation:
  – Delineate regions of groundwater in Imperial Valley that cannot support MUN
ITEM 4:
Revise Beneficial Use Designation to Correspond with Individual Groundwater Basins and Aquifers
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Revise Beneficial Use Designation to Correspond with Individual Groundwater Basins and Aquifers

• Staff Recommendation:
  – Update Basin Plan Table 2-5 to designate Beneficial Uses based on groundwater basin or aquifer boundaries
ITEM 5

Assess the Potential for Bioaccumulation of Selenium, Mercury, Pesticides, PCBs and PBDEs in Constructed Wetlands
Conduct Regular Monitoring for Cyanotoxins caused by harmful algal blooms (HABs) at Popular Salton Sea Recreation Areas
ITEM 7

Incorporate Revised 2012 U.S. EPA Recreational Water Quality Criteria for Bacteria

Photo: Ana Cadena
ITEM 8

Assess BUs of Constructed Wetlands In Imperial & Coachella Valleys
ITEM 9

Assess Increasing Trend in Chlorpyrifos and Pyrethroid Pesticide Detections and Associated Toxicity in Agricultural Drains
ITEM 10

Identify Sources of Ammonia that are Causing Toxicity in the Coachella Valley Storm Water Channel (CVSC)

Photo: Jay Calderon
ITEM 11

Make Monitoring Preparations for Establishing Baseline Conditions for Sediment and Water Quality for the Proposed Aquatic Habitats at Salton Sea
ITEM 12

Update the Basin Plan Discussion Concerning New River Developments and Projects
ITEM 13: Update Salton Sea Discussion and Associated Information Contained in the Basin Plan
ITEM 13:
Update Salton Sea Discussion and Associated Information Contained in the Basin Plan

• Staff Recommendation:
  – Adopt and Administrative Amendment to make editorial changes to Salton Sea language for greater clarity and to provide current information
ITEM 14: Correct General Errors and Outdated or Obsolete Information Contained in the Basin Plan
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• Staff Recommendation:
  – Adopt three administrative amendments to
    • (1) correct typos and errors
    • (2) standardize format
    • (3) update information
  – Incorporate urgent urgent corrections into any upcoming amendment
Bombay Beach, CA