

Implementing the Recycled Water Policy

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Division of Water Quality

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“Effective Date”

- Administrative Record to Office of Administrative Law for approval
- 30-day review period

→ Effective late March-early April

Implementation

Guidance for future projects

- Checklist/template for Water Code section 1211 compliance

Regional water board actions

- Basin evaluation
- Permit review
- Coverage transition for current regional water board general order enrollees

Modification of monitoring requirements

- Priority pollutant monitoring for landscape irrigation projects
- Volumetric wastewater and recycled water reporting
- CEC Monitoring

Super Order

- Statewide letter pursuant to Water Code section 13267
- Update Monitoring and Reporting Programs of
 - Wastewater permits—WDR and NPDES
 - Recycled water permits—WDR, WRR, MRP, and NPDES
- Actions:
 - Remove priority pollutant monitoring for landscape irrigation rw projects where not otherwise required by an NPDES permit
 - Modify volume reporting requirements
 - Update CEC monitoring requirements for potable recycled water projects
- Late April-early May

CEC Monitoring for Potable Recycled Water

- Update list of targeted analytes
 - Add monitoring for six chemicals (1,4-dioxane, Nnitrosomorpholine (NMOR), iohexol, sulfamethoxazole, perfluorooctanesulfonic acid (PFOS), and perfluorooctanoic acid (PFOA))
 - Remove monitoring for five chemicals (17-beta-estradiol, caffeine, iopromide, N,N diethyl meta toluamide (DEET), and triclosan)
- Add monitoring with two bioanalytical screening tools (estrogen receptor-alpha and aryl hydrocarbon receptor)
- Quality Assurance Project Plan (QAPP) development

QAPP Development

- State Water Board developing template
- Development upon effective date of the Amendment
 - Targeted chemistry analytes
- One year from effective date of the Amendment
 - Bioanalytical screening tools
 - Standard Operating Procedures (SOPs)

Bioanalytical Implementation Advisory Group

- WateReuse CA with NWRI
- Convened January 10, 2019

Ensure comparability of data

- Consensus on SOPs for both bioassays
- Comparison of existing methods, ID areas of difference
- Consensus on performance-based QA/QC

Develop capacity for CA labs

Guidance on interpretation of results

Chair: Michael Denison, PhD, University of California, Davis

Alvina Mehinto, PhD, Southern California Coastal Water Research Project

Adam Olivieri, Dr.PH, PE, EOA, Inc.

Megan Plumlee, PhD, PE, Orange County Water District

Daniel Schlenk, PhD, University of California, Riverside

Shawn Thompson, PhD, Los Angeles County Sanitation Districts

Claire Waggoner, State Water Board, Division of Water Quality

Contact Information

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Recycled Water Policy

https://www.waterboards.ca.gov/water_issues/programs/water_recycling_policy

CECs and Recycled Water

https://www.waterboards.ca.gov/water_issues/programs/water_recycling_policy/recycledwater_cec.shtml