

**STATE WATER RESOURCES CONTROL BOARD
BOARD HEARING SESSION – DIVISION OF WATER QUALITY
DECEMBER 15, 2010**

ITEM 16

SUBJECT

PUBLIC HEARING - CONSTITUENTS OF EMERGING CONCERN (CEC) MONITORING FOR RECYCLED WATER

DISCUSSION

The Recycled Water Policy ([Resolution 2009-0011](#)) adopted by the State Water Resources Control Board (State Water Board) on February 3, 2009 required the establishment of a panel of scientific experts to guide future actions relating to CECs. To implement the Recycled Water Policy, State Water Board Division of Water Quality (DWQ) staff contracted with the Southern California Coastal Research Water Project (SCCWRP) to recruit, form and support the CEC Advisory Panel. After consultation with the California Department of Public Health (CDPH), the CEC Advisory Panel was convened on May 4, 2009, pursuant to State Water Board direction. The panel consists of six scientific experts in the areas of human health toxicology, environmental toxicology, epidemiology, biochemistry, civil engineering with expertise in design and construction of recycled water treatment facilities, and chemistry with familiarity with laboratory methods for the detection of emerging constituents. The panel was tasked with addressing a number of questions posed in the Recycled Water Policy regarding appropriate monitoring of recycled water for CECs and related issues.

The draft report, *Monitoring Strategies for Chemicals of Emerging Concern (CECs) in Recycled Water – Recommendations of a Scientific Advisory Panel* was released for public comment on April 15, 2010. On May 21, 2010, the CEC Advisory Panel conducted a public meeting to respond to comments received from the public and revised the draft report.

On June 25, 2010, the CEC Advisory Panel submitted a final report, *Monitoring Strategies for Chemicals of Emerging Concern (CECs) in Recycled Water – Recommendations of a Scientific Advisory Panel* (Panel Report), to the State Water Board. The Report focused on establishing monitoring requirements for CECs in municipal recycled water used for groundwater recharge/reuse and landscape irrigation. The Panel Report is available at:

http://www.waterboards.ca.gov/water_issues/programs/water_recycling_policy/docs/cec_monitoring_rpt.pdf

DWQ staff has reviewed the Panel Report and has prepared a [Staff Report](#) that provides recommendations for implementing the Panel Report. DWQ Staff is recommending implementing the recommendations of the CEC Advisory Panel for monitoring CECs. It is also recommending monitoring for certain additional CECs as recommended by the CDPH.

Finally, DWQ staff is recommending support for research on bioanalytical methods for use as screening tools to monitoring CECs. This was one of a number of research recommendations made by the CEC Advisory Panel. These methods would screen for potential toxicological effects such as genotoxicity and endocrine disruption.

POLICY ISSUE

N/A – Public Hearing only.

FISCAL IMPACT

N/A – Public Hearing only.

REGIONAL BOARD IMPACT

N/A – Public Hearing only.

STAFF RECOMMENDATIONS

N/A – Public Hearing only.

State Water Board action on this item will assist the Water Boards in reaching Goals 2, 3 and 6 of the Strategic Plan Update: 2008-2012. Goal 2 is to improve and protect groundwater quality in high-use basins by 2030. Goal 3 is to promote sustainable local water supplies. Goal 6 is to enhance consistency across the Water Boards, on an ongoing basis.