

ITEM: 7

SUBJECT: Constituents of Emerging Concern Pilot Monitoring

BOARD ACTION: *Informational Item*

BACKGROUND: In early 2016 Central Valley Regional Water Quality Control Board (Central Valley Water Board) staff, in coordination with State Water Resources Control Board (State Water Board) staff, starting working with the municipal separate storm sewer systems (MS4s) and publically owned treatment works (POTWs) Permittees to develop a Constituents of Emerging Concern (CEC) workplan for the Central Valley Water Board. The purpose of the workplan is to Pilot the 2016 Statewide CEC Pilot Monitoring Plan to answer the identified monitoring questions in a phased approach. Proposed constituents from the Statewide Pilot Monitoring Plan include estrone, ibuprofen, bisphenol A, 17-beta-estradiol, galaxolide (HHCB), diclofenac, and triclosan. Data gathered during the pilot study will be used to inform the statewide and Central Valley Water Board's CEC programs.

A CEC Workshop was conducted 1/2 May 2017 to gather information on the lessons learned from the CEC monitoring conducted in the San Francisco Bay region (Region 2) and the Los Angeles region (Region 4). In addition, the available methods for analyzing CECs was discussed. The San Francisco Estuary Institute also presented additional CECs of interest in addition to those proposed in the Statewide Pilot Monitoring Plan including flame retardants (PBDEs), metformin, triclocarban, fluorinated substances (PFOS and PFOA), and bisphenol S. The workshop concluded with presentations from MS4 and POTW groups on draft CEC Pilot Monitoring Plans to gather feedback on the phased approach and potential monitoring sites.

Based on information from the CEC Workshop and coordination between MS4 and POTW groups, the proposed Central Valley CEC Workplan seeks to conduct a phased approach to the Statewide Pilot Monitoring Plan to monitor ambient, effluent, and gradient sites over a period of three years. Each phase will last for one year with Phase 1 monitoring beginning by 1 July 2018. Phase 1 will include monitoring ambient sites during Year 1. Ambient monitoring will continue in Phase 2 in addition to a minimum of two effluent POTW and two effluent MS4 sites that will be selected during Phase 1. Phase 2 shall begin no later than 1 July 2019 or one year after the beginning of Phase 1. Phase 3 will add monitoring of gradient sites, which will be dependent on the results from Phase 1 and Phase 2.

ISSUES: Not applicable.

RECOMMENDATION: Not applicable.

Mgmt. Review NM

Legal Review SY

7/8 December 2017 Central Valley Water Board Meeting
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