

EXECUTIVE OFFICER'S SUMMARY REPORT
9:00 a.m., May 5, 2011
Wharfinger Building
#1 Marina Way
Eureka, California

ITEM: 2

SUBJECT: Order No. R1-2011-0028 *Waste Discharge Requirements for Discharges of Highly Treated Groundwater to Surface Waters Following Extraction and Treatment of Groundwater Polluted with Petroleum Hydrocarbons and Volatile Organic Compounds* (General National Pollutant Discharge Elimination System Permit No. CAG911001)

DISCUSSION

Extraction and treatment of groundwater impacted by chemical pollutants as a result of an unauthorized release is a remedial option used to reduce or eliminate petroleum hydrocarbons or volatile organic compounds (VOCs) from groundwater. This technology is also implemented for plume control by creating hydraulic control and reducing unwanted migration of pollution in groundwater. Order No. R1-2011-0028 *Waste Discharge Requirements for Discharges of Highly Treated Groundwater to Surface Waters Following Extraction and Treatment of Groundwater Polluted with Petroleum Hydrocarbons and Volatile Organic Compounds* (Order No. R1-2011-0028) is intended to authorize similar discharges from groundwater treatment facilities at sites that have been impacted by petroleum related compounds and other VOCs associated with an unauthorized release of pollutants to groundwater.

Discharges of highly treated groundwater are currently regulated under General Waste Discharge Requirements Order No. R1-2006-0048. The current Order was adopted by the Regional Water Board on June 29, 2006 and is set to expire on June 29, 2011. Order No. R1-2011-0028 rescinds and replaces Order No. R1-2006-0048.

Most discharge requirements of Order No. 2006-0048 have been retained by Order 2011-0028. Components of Order No. 2006-0048 that have been retained include:

- Organic pollutants may not be discharged in treated effluent and must be treated to non-detectable levels.
- Inorganic pollutants may not be discharged above receiving water background concentrations or applicable effluent limitations, whichever is more stringent.
- Continued regulation of other water quality parameters including: pH, temperature, dissolved oxygen, turbidity, total dissolved solids, specific conductivity, and boron.

Order No. R1-2006-0048 included a Monitoring and Reporting Program (M&RP), designed for compliance by all dischargers. During the course of this permit, Regional Water Board staff determined the use of a single M&RP did not effectively concentrate on the monitoring needs of individual discharges. Order No. R1-2011-0028 has been drafted to include the issuance of an M&RP to each individual Discharger upon enrollment.

A copy of the draft permit and/or information to access the draft on the Regional Water Board's website was mailed to all existing Dischargers, interested agencies and interested parties. This item was opened for public comment between February 10, 2001 and March 14, 2011. No comments were received.

PRELIMINARY STAFF

RECOMMENDATION: Adopt Order No. R1-2011-0028 (rescinding Order No. R1-2006-0048) as proposed.