

LWM-4



MARK B HORTON, MD, MSPH
Director

State of California—Health and Human Services Agency
California Department of Public Health
Northern California Drinking Water Field Operations Branch
Monterey District

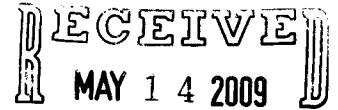


ARNOLD SCHWARZENEGGER
Governor

May 12, 2009

System No. 2710017

Mr. Jim Heitzman, General Manager
Marina Coast Water District
11 Reservation Road
Marina, CA 93933



BY:.....

Dear Mr. Heitzman:

**Desalination Treatment Plant - Source Water Quality Monitoring Plan
Marina Coast Water District**

The California Department of Public Health (Department) has reviewed and considered your submittals dated December 22, 2008 and January 22, 2009, that proposed a source water quality monitoring plan for the proposed 3.0 million gallon per day (MGD) desalination plant and revised the location of the proposed monitoring well, respectively. In addition, the Department has reviewed the electronic mail from Mr. Rhodes Trussel dated January 25, 2009, that provided further information on the proposed source water monitoring plan.

Pursuant to a review of the proposals and the supplemental information, the Department has made the following determinations:

1. The proposed use of the existing monitoring well designated as DMW-2 located on the MCWD site for the existing desalination plant is considered acceptable for characterizing the ground water quality for the future production wells for the proposed 3.0 MGD desalination treatment plant with respect to the presence of chemical constituents. Marina Coast WD should submit the results of the monitoring results for the first quarterly sampling event and the proposed monitoring for the second quarter to the Department for review prior to conducting the monitoring for the second quarter.
2. The scope of the ground water monitoring program as described in Section 4 and shown in Tables 3 and 4 is considered adequate with the exception of the microbiological monitoring category. The monitoring frequency for Total Coliform and E. coli should be increased to monthly and the monitoring conducted within 24 hours after the highest high tide event of each month.
3. The existing monitoring well DMW-2 is not considered adequate for establishing whether the ground water within the sphere of influence of the proposed production wells for the 3.0 MGD desalination plant would be under the direct influence of surface water. Further, the previous evaluation of the ground water for direct influence of surface water

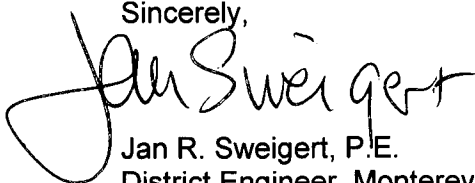
(GWUDI) conducted for the existing well serving the Marina Coast desalination plant is not considered to be representative of the hydrogeologic response of the ground water aquifer that would be anticipated during operation of the proposed production wells for the 3.0 MGD desalination treatment plant. Therefore, the Department will require a GWUDI evaluation of the completed production wells for the 3.0 MGD desalination facility.

4. The Department recognizes that the Marina Coast Water District is interested in placing the desalination plant on-line as soon as possible and does not want to delay the design and construction of the desalination plant until the production wells are installed and the GWUDI evaluation is completed. Consequently, the Department will allow the Marina Coast Water District to initially operate the 3.0 MGD desalination plant prior to completion of the GWUDI evaluation for the production wells with the condition that the treatment plant is operated to meet the minimum requirements of the Surface Water Treatment Rule by providing filtration and disinfection to ensure 3-log Giardia, 4-log virus, and 2-log cryptosporidium reduction. However, the Department may increase the pathogen log reduction requirements of the desalination treatment plant if the results of the GWUDI evaluation demonstrate elevated pathogen levels in the ground water.

In addition, the Department requests that the Marina Coast WD submit quarterly reports of the water quality monitoring program results and notify the Department immediately if any changes to the monitoring program are contemplated.

If you have any questions regarding this matter, please contact Gary Hoffmann at (831) 655-6933 or me at (831) 655-6934.

Sincerely,



Jan R. Sweigert, P.E.
District Engineer, Monterey District Office
DRINKING WATER FIELD OPERATIONS BRANCH

cc: Monterey County Environmental Health Department