



California Regional Water Quality Control Board

San Francisco Bay Region



Terry Tamminen
Secretary for
Environmental
Protection

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Arnold Schwarzenegger
Governor

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MARE ISLAND
SSIC NO. 5090.3.A

Date: **AUG 11 2004**
File No. 2129.2011 (GJR)

Commander
Attn: Mr. Jerry Dunaway (Code 06CM.JD)
Southwest Division, Naval Facilities Engineering Command
1220 Pacific Highway
San Diego, California 92132-5190

SUBJECT: Staff Comments on Draft Letter Report, Groundwater Sampling for Perchlorate at Investigation Area F1, Former Mare Island Naval Shipyard, Vallejo, California (June 17, 2004)

Dear Mr. Dunaway:

Water Board staff have reviewed the above-referenced document. We appreciate the Navy's efforts in sampling groundwater for perchlorate in the former ordnance production and manufacturing area (PMA), also known as Investigation Area F1 of Mare Island.

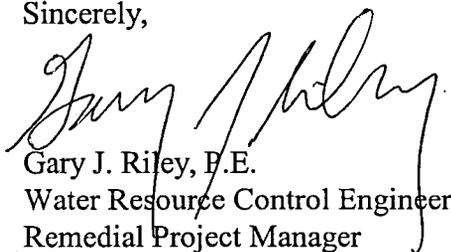
A total of nine existing wells were sampled for perchlorate. Perchlorate was detected in wells A267W05 and USTA914M04 at concentrations of 0.24 $\mu\text{g/L}$ and 0.25 $\mu\text{g/L}$, respectively, using Modified EPA Method 8321. Perchlorate was also detected in wells A216W03 and A216W04 at concentrations of 5 $\mu\text{g/L}$ using EPA Method 314.0; however, non-target compounds interfered with the analyses and the results were qualified as "T" denoting this interference. None of the results exceeded the California DHS action level of 6 $\mu\text{g/L}$.

Water Board staff agree further testing for perchlorate at these locations is not warranted at this time based on the subject report. Investigation Area F1 is currently undergoing a Remedial Investigation and potential sources or data gaps identified through this process and the associated regulatory review may necessitate additional sampling for perchlorate in the future. Furthermore, the Water Board submitted a June 16, 2003, request to the Navy for a base-wide Emergent Chemicals Source Evaluation Report to examine the potential presence of a number of emergent chemicals, including perchlorate, at Mare Island. No such report has been submitted for the former Mare Island Naval Shipyard. The lack of a detailed analysis of potential sources and sampling for associated emergent chemicals leaves a continuing data gap in site characterization

that must be addressed prior to final Water Board concurrence on investigation and remedial decision documents.

If you have any further questions regarding this matter, please contact me at (510) 622-2462 or via email to gjr@rb2.swrcb.ca.gov.

Sincerely,



Gary J. Riley, P.E.
Water Resource Control Engineer
Remedial Project Manager

Distribution:

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