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August 10, 1999
Project 005553.004.0

Mr. Ernesto Galang
Engineering Field Activity, West
Naval Facilities Engineering Command
Bldg. 208, 2nd Floor
900 Commodore Drive
San Bruno, California 94066-2402

Subject: Field Sampling Plan Addendum for Additional Characterization of
Total Petroleum Hydrocarbons at Site 12
Naval Station Treasure Island
San Francisco, California

Dear Mr. Galang:

This letter presents the results of a review of the *Field Sampling Plan Addendum for Additional Characterization of Total Petroleum Hydrocarbons [TPH] at Site 12* (FSAP Addendum) prepared by Tetra Tech EM Inc. (TtEMI) on behalf of the Department of the Navy Engineering Field Activity West (the Navy). This review was performed by Geomatrix Consultants, Inc. (Geomatrix), on behalf of the City and County of San Francisco, Mayor's Office, Treasure Island Project (the City). The need for additional characterization in the vicinity of Buildings 1311 and 1313 was discussed at a meeting of the Remedial Project Managers/BRAC Cleanup Team (BCT) on July 15, 1999 and at a follow up meeting on July 20, 1999. Based on the results of these meetings, it was recommended that two additional groundwater monitoring wells be installed downgradient of the TPH-affected soil in the vicinity of Building 1313. The results from groundwater samples collected from these wells would be used in conjunction with the results from groundwater samples collected from nearby wells to determine the need for further action in this area of Site 12.

The recommendation to install additional monitoring wells downgradient of Building 1313 was predicated on a figure distributed at the July 15 and July 20, 1999 meetings, which summarized the results from the most recent soil sampling in the vicinity of Buildings 1311 and 1313. This figure indicated that TPH-affected soil extended well to the north of Building 1311, encompassing Building 1313; however, the only existing groundwater monitoring wells shown in this area were adjacent to Building 1311 (MW-21 and MW-22). As such, it appeared from the information presented in the figure that additional groundwater monitoring wells downgradient of Building 1313 were necessary to complete the groundwater characterization. However, the figure included in the FSAP Addendum indicates that several additional monitoring wells already exist in this area, including MW-05, MW-06, and MW-20. Therefore, it appears that the existing groundwater monitoring wells are sufficient to characterize groundwater quality, and no additional monitoring wells are necessary in this area of the Site 12.

Geomatrix Consultants, Inc.
Engineers, Geologists, and Environmental Scientists



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Incidentally, the text of the FSAP Addendum states that with regard to the most recent soil sampling results "... no semivolatile organic compounds (SVOC) or volatile organic compounds (VOC) that may pose a risk to human health were detected in any of the samples." Based on draft analytical results distributed at the July 15, 1999 meeting, several VOC and SVOC were detected in some the samples, but at relatively low concentrations. Therefore, it would be more accurate to say that these compounds were not detected at concentrations that may pose a risk to human health.

If you have any questions regarding these comments, please call either of the undersigned at (510) 663-4100.

Sincerely yours,

GEOMATRIX CONSULTANTS, INC.

Gregory P. Brorby, DABT
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GPB/CLY/pp

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cc: Martha Walters, SFRA

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