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County of San Diego

DANIEL J. AVERA
DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
P.O. BOX 85261, SAN DIEGO, CA 92186-5261
(619) 338-2222 FAX (619) 338-2377

SITE ASSESSMENT AND MITIGATION DIVISION

March 25, 1996

Naval Training Center
Attn: Commander
33502 Decatur Rd., Suite 120
San Diego, CA 92133-1449

Dear Sir:

UNAUTHORIZED RELEASE #H80021-004
NAVAL EXCHANGE GAS STATION
NAVAL TRAINING CENTER

The Technical Memorandum No. 4, Report on Second Phase Extended Site Assessment for the NEX Gas Station at Naval Training Center San Diego, prepared by Bechtel National, Inc. and dated January 1996 has been reviewed. This work included the drilling of 11 soil borings and the installation of 5 additional groundwater monitoring wells for further delineation.

The following are comments or items of concern that need to be addressed for clarification of the report.

- 1) The cross-sectional map for A-A' shows the location of utilities while the other cross-sectional maps do not. Does this mean there are no utilities in these other cross areas of the site?
- 2) The E-E' cross sectional map does not correspond to the plan view of the dissolved-phase benzene plotted on Figure 4-1. Which map has the correct interpretation?
- 3) Figure 3-8 and 3-9 are labeled as Extent of Vadose Zone Contamination at 11 and 16 feet respectively. According to the boring logs provided these locations would be in the Saturated Zone. Are these figures correctly labeled?
- 4) In Appendix G, the Semivolatile Organics Analysis Data Sheet for Sample No. 064MW6508 shows an X in the third column. What does this X stand for?
- 5) The values obtained in the fuel fingerprinting data are different than the values listed on the maps showing TPH data. Why were these values not listed on the TPH figure maps?

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- 6) NOTE: Chromatographs show what appears to be matrix interference in samples for MW-4 and MW-8 for diesel.
- 7) In Appendix G, fuel fingerprinting sample K9504849-001 report, pages 00228 to 00234 shows a compound between Time = 13 through Time = 20. However, the Semivolatile Organics Analysis Data Sheet, page 00005, states ND for Mineral Spirits, Jet Fuel, Kerosine and Diesel. What is the tentative identification of the compound found at this time interval?
- 8) In Appendix G, page 00263, the sample is listed as DCM. What does DCM stand for?
- 9) In Appendix G, page 00044, the data for sample No. 064MW7308 is the same as the data on page 00018. The only difference between the two pages is the SDG ID numbers which are different. Please clarify why these two sample numbers have different SDG ID numbers.
- 10) In Appendix F & H, please provide a Chromatogram index similar to that provided in Appendix G.
- 11) The values for TPH-gasoline between Table 3-4 and 3-6 are very different especially for MW2, MW4 & MW8. Can you explain these differences?
- 12) In Appendix F, several data sheets do not indicate the date the sample was received. It is not clear if these samples were analyzed within the proper holding time.
- 13) Please provide information from Columbia Analytical laboratory regarding their QA/QC protocol for EPA Methods 8015, 8020, and 504. See Section 3, page 28, item 5 of the 1996 SAM Manual. The SAM library does not have this information for Columbia Analytical laboratory. The soil percent (%) recovery QC limits appear to be very low for EPA Method 8020, (49-125).

The consultant states that there is sufficient information to proceed with a remedial alternatives evaluation of the site. This office agrees, however full delineation down-gradient will be required before closure of the case. If you have any questions please contact me at (619) 338-2457, or Vickie Church at (619) 338-2243.

Sincerely,



LAURIE APECECHEA, Hazardous Materials Specialist
Site Assessment and Mitigation Division

LA:jw

cc: Corey Walsh, RWQCB
A. Gimeno, Dept. of Toxic Substances Control
T. Macchiarella, Southwest Division