DEPARTMENT OF THE NAVY
SOUTHWEST DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
1220 PACIFIC HIGHWAY
SAN DIEGO, CA 92132-5190

N68311.000641
NAVSTA LONG BEACH
SSIC NO. 5090.3

5090
Ser 06CM.ED/0326
April 2, 2002

Ms. Ana Townsend
California Regional Water Quality Control Board
Los Angeles Region
320 W. 4th Street, Suite 200
Los Angeles, CA 90013

Dear Ms. Townsend:

Enclosed is the letter report for the Sixth Round - Analytical Results from Installation Restoration (IR) Site 3, Groundwater Sampling Results from February 2002 at Groundwater Monitoring Well MW - 3 - 05, Former Naval Station Long Beach of March 25, 2002.

If you have any questions, please call Mr. Ed Dienzo at (619) 532-0920.

Sincerely,

THOMAS L. MACCHIARELLA
BRAC Environmental Coordinator
By direction of the Commander

Encl: (1) Sixth Round - Analytical Results from Installation Restoration (IR) Site 3, Groundwater Sampling Results from February 2002 at Groundwater Monitoring Well MW - 3 - 05, Former Naval Station Long Beach of March 25, 2002

Copy to:
Ms. Sue Hakim
Department of Toxic Substances Control
5796 Corporate Way
Cypress, CA 90630

Mr. Martin Hausladen
U.S. Environmental Protection Agency
Region 9
75 Hawthorne Street
San Francisco, CA 94105-3901

Navy CLEAN II Program
BNI Job No. 22214
Contract No. N68711-92-D-4670
File Code: 0218

IN REPLY REFERENCE: CTO-177/0223

March 25, 2002

Contracting Officer
Naval Facilities Engineering Command
Southwest Division
Mr. Richard Selby, Code 02R1
1220 Pacific Coast Highway
San Diego, CA 92132-5190

Subject: Sixth Round - Analytical Results from IR Site 3, Groundwater Sampling Results from February 2002 at Groundwater Monitoring Well MW-3-05
Former Long Beach Naval Station, Long Beach, California

Dear Mr. Selby:

Groundwater samples from Installation Restoration (IR) Site 3 at the former Naval Station at Long Beach, California were collected and submitted to a laboratory for analyses during February 2002. The sampling represents the sixth round of sampling at IR Site 3 conducted as part of CTO-177. The samples were collected from groundwater monitoring well MW-3-05 and were analyzed for benzene and vinyl chloride.

The work was performed following the Final Work Plan for Groundwater Monitoring at Installation Restoration Program Sites 9, 12, and 13 at former Long Beach Naval Shipyard, Long beach, California prepared by Bechtel National, Incorporated (March 1999). A technical memorandum was issued by Bechtel National, Incorporated on May 22, 2000 describing the use of this work plan to perform the sampling required at IR Site 3.

Samples were collected from the well after three well volumes were purged from the well (approximately 30 gallons) and temperature, pH, conductivity, and turbidity readings stabilized. The samples were analyzed using United States Environmental Protection Agency Method 8260B. Quality control samples included: a field duplicate, trip blank, rinsate sample, and a field blank. Quality control samples were non detect for benzene and vinyl chloride. The samples were collected on February 13, 2002.

BECHTEL NATIONAL, INC.

1230 Columbia Street, Suite 400
San Diego, CA 92101-8502 USA

Results were verified, validated, and entered into the Bechtel Environmental Integrated Data Management System.

Results from previous sampling by CDM Federal were reported in a draft Annual (Fourth Quarterly) Report for Groundwater Monitoring at IR Sites 1 and 2 (Area of Potential Concern 4) and 3 (Area of Potential Concern 2) at the former Naval Station at Long Beach California (July 7, 2000). Benzene results from MW-3-05 ranged from 10 to 40 µg/L. Vinyl chloride results from MW-3-05 ranged from 15 to 80 µg/L. The sampling was performed between July 1994 and April 1999. Results from the previous sampling round during November 2001 were 15/15 µg/L for benzene and 51/55 for vinyl chloride. Two results are given because a regular sample was analyzed along with a field duplicate submitted to the laboratory for quality assurance. Results from the subject round of sampling for February 2002 were 13/13 µg/L for benzene and 51/51 for vinyl chloride. These results are consistent with previously described analytical results.

Results from sampling conducted between July 1994 and February 2002 are shown on Figure 1 along with California Ocean Plan objectives for 1997. Benzene concentrations are consistently above the California Ocean Plan objective for benzene. Vinyl chloride concentrations are slightly above the California Ocean Plan objective for vinyl chloride.

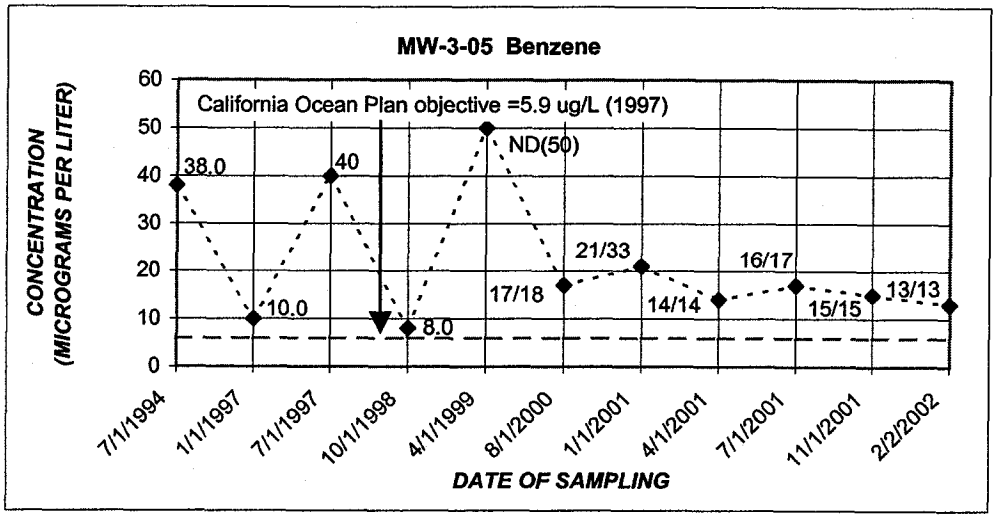
Additional sampling is scheduled during May 2002. The Port of Long Beach has installed a groundwater monitoring well as a replacement well for MW-3-03. MW-3-03 was destroyed because it was along the construction path of a new road. The new well is located near the Pacific Ocean and will be sampled for vinyl chloride and benzene during the May 2002 sampling event.

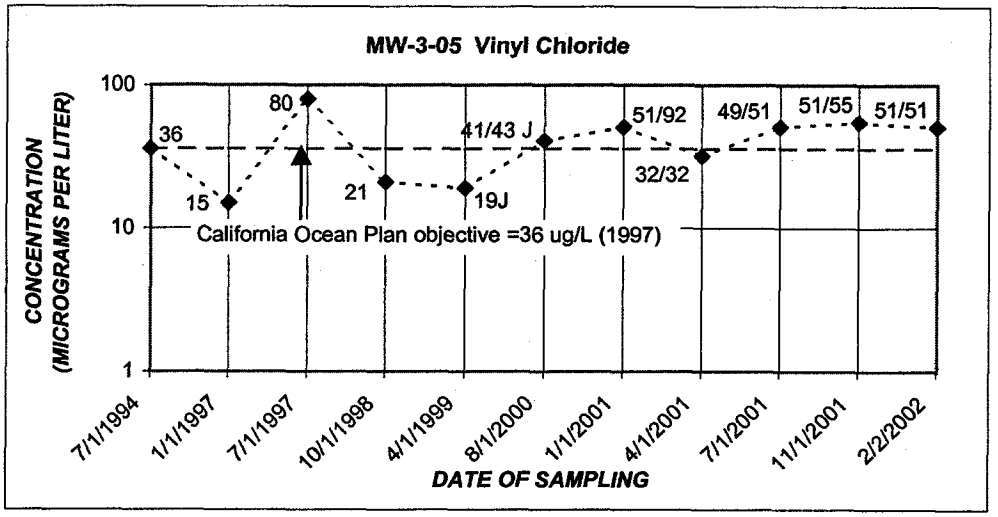
If you have any questions, please contact Scott Donovan, CTOL, at (619) 744-3019 or me at (619) 744-3004.

Sincerely,

Thurman L. Heironimus, R.G.
Project Manager

TLH/lsh





J = estimated concentration
ND = not detected (detection limit)
Data Reference: CDM Federal Programs Corp. July 07, 1998. Draft Annual (Fourth Quarterly) Report, Groundwater Monitoring IR Sites 1 and 2 (AOPC 4) and 3 (AOPC 2) Former Naval Station Long Beach, California (Figure 2-4)

Benzene and Vinyl Chloride Concentrations in MW-3-05 (July 1994 to February 2002)
IRP Site 3

Figure 1

Former Naval Station, Long Beach, California

Bechtel National, Inc. CLEAN II Program	Date: 1/3/02 File: No.: see footer Job: No.: 22214-177 Rev. No.: A

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CLEAN II TRANSMITTAL/DELIVERABLE RECEIPT

Contract No. N-68711-92-D-4670 **Document Control No.** CTO-0177/0223

File Code: 0218

TO: Contracting Officer
Naval Facilities Engineering Command
Southwest Division
Mr. Richard Selby, Code 02R1
1220 Pacific Highway
San Diego, CA 92132-5190

DATE: March 25, 2002
CTO #: 0177
LOCATION: Former Long Beach Naval Station

FROM: Thurman L. Heironimus, Project Manager

DESCRIPTION: Sixth Round - Analytical Results from IR Site 3, Groundwater Sampling Results from February 2002 at Groundwater Monitoring Well MW-3-05 DTD March 2002

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