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Ser T4A1WR/L4126
11 Feb 1994

Mr. Raymond Seid
Remedial Project Manager
Federal Facilities Cleanup Program
US EPA, Region IX
75 Hawthorne Street
San Francisco, CA. 94105

Dear Mr. Seid:

This letter confirms and summarizes the discussion at our February 4, 1994 meeting regarding the Parcel-A (uplands) ground water issues. At this meeting, the Navy presented the available information from the sampling and testing of the Parcel-A ground water from Boring PA50B016, and these activities and test results have been summarized in enclosure (1). We also discussed a debris pile located approximately 200 feet west-southwest of Boring PA50B016, as a potential source area. We plan to investigate the ground surface in this area after the debris pile is moved. We anticipate that the removal will occur during the week of February 14, 1994, but this date must be coordinated with Mr. James Sullivan of NAVSTA Treasure Island. Mr. William Radzevich, the Navy Remedial Project Manager (RPM) for Parcel-A, will notify yourself and Mr. Cyrus Shabahari of the State of California, Department of Toxic Substances Control, (DTSC), of the exact date for this action. In the spirit of teamwork, yourself and a staff geologist visited Parcel-A on February 9, 1994, with members of the Navy HPA team, to observe this debris pile and to concur on recommendations for additional activities at this location.

During the discussion at the meeting, the members of the Base Closure Team (BCT) reached consensus on the requirement to perform an RI-type of investigation of the Parcel-A (uplands) ground water to characterize the contaminant. Although this new requirement will set back the transfer of Parcel-A to the City of San Francisco, we expect to expedite the process so that reuse of the property occurs as soon as possible. As part of this process, the BCT and supporting technical team members have scheduled a meeting on February 17, 1994 at 1 PM in the PRC office to develop and approve a workplan for the investigation of the Parcel-A (uplands) ground water.

We will continue to coordinate with yourself and Mr. Shabahari, and hope to resolve other Parcel-A issues. If there are any additional questions regarding these matters, please notify William Radzevich, at (415) 244-2555.

Original signed by:

RAYMOND E. RAMOS
BRAC Environmental Coordinator
Hunters Point Annex
By direction

Encl: (1) February 9, 1994 PRC Memorandum

Distribution:

California Department of Toxic Substances Control (Attn: Cyrus Shabahari)
California Regional Water Quality Control Board (Attn: Barbara Smith)

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SAN FRANCISCO OFFICE

Date : February 9, 1994
To : Bill Radzevich - WESTDIV
From : Jim Sickles and Scott Weber - PRC EMI
Subject : Parcel A Investigation Around Borings PA50 B011 and PA50 B016

I. History

In response to a request from the Regional Water Quality Control Board (RWQCB) and Department of Toxic Substances Control (DTSC) to determine the groundwater quality at Parcel A, boring PA50 B011 was drilled (Table 1) to a total depth of 200 feet below ground surface (bgs) on August 4, 1993. A grab groundwater sample was collected and analyzed (see Table 2) for total dissolved solids (TDS). The results indicated that the groundwater at Parcel A is potable (TDS of approximately 400 ppm). Boring PA50 B011 was filled and sealed with cement grout.

The EPA and DTSC then requested that the groundwater at Parcel A be analyzed for a larger suite of chemicals (Table 1). Boring PA50 B016 was drilled approximately 12 feet northwest of boring PA50 B011 on December 16, 1993 (Figure 1). A moist zone was encountered at 22 feet bgs and water was encountered at approximately 72 feet bgs. A sheen was noted on the groundwater. On two occasions the groundwater was sampled prior to purging and after purging (28 gallons removed, 3 wellbore volumes). The samples were analyzed for contract laboratory program (CLP) volatile organic compounds (VOC), semivolatile organic compounds (SOC), total recoverable petroleum hydrocarbons (TRPH), total petroleum hydrocarbons (TPH) as purgeable (p) and as extractable (e), pesticides and polychlorinated biphenyls (PCBs), hexavalent chromium, metals, cyanide, anions, and chlorinated herbicides. Fluids from the drill rig (hammer fluid, hydraulic fluid, motor oil from the rig, transmission fluid, and compressor fluid) were also collected and analyzed to check for a match with the sheen observed on the groundwater sample.

There were no matches between the petroleum hydrocarbon compound detected in the groundwater samples from boring PA50 B016 and the fluids from the drill rig. The compound detected in the groundwater sample was tested for total petroleum hydrocarbons and identified as motor oil with minor concentrations of SOCs. The SOCs have been identified as components of motor oil or as laboratory contaminants. Acetone was the only VOC detected and was identified as a laboratory contaminant. The analyses for other organic compounds were below detection limits. Results of the metal analyses were reviewed at a cursory level, and were not found to exceed the maximum contaminant levels (MCLs). The analytical results for groundwater samples collected on three separate occasions from boring PA50 B016 are listed in Table 3.

attachments

Enclosure 11

TABLE 1 - PARCEL A INVESTIGATION FOR BORINGS PA50-BO11 AND PA50-BO16

Boring No.	Date Drilled	Total Depth (bgs)	First Water (bgs)	Analyses	Status	Comments
PA50-BO11	8/4/93	200'	Wet 72'	TDS	Grouted	No Sheen Noted
PA50-BO16	12/16/93	80'	Moist 22' Wet 72'	VOC, SOC, Pest/PCB, Metals, TRPH, TPH-e, TPH-p, Chrome +6, Cyanide, Anions, and Chlorinated Herbicides	Open-Secured	Sheen Noted

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**Table 2 Summary of Groundwater Data for Boring PA50B011
Parcel A Report
Hunters Point Annex
San Francisco, California**

Date	Sample Number	Boring depth (feet)	Inflow rate gal/min	Conductivity* (umhos/cm)	TDS mg/l (unfiltered)	TDS mg/l (filtered)
8/3/93	9332HS20	75	0.19	639	-	440
8/3/93	9332HS21	75	-	639	420	-
8/4/93	NA	135	0.27	613	-	-
8/4/93	9332HS22	200	0.27	780	-	320
8/4/93	9332HS23	200	-	780	360	-
8/4/93	9332HS24**	200	-	780	-	410
8/4/93	9332HS25**	200	-	780	400	-

* = Measured in the field

NA = Not applicable

** = Duplicate sample

TABLE 3 - PARCEL A PRELIMINARY ANALYTICAL RESULTS FOR BORING PA50 BO16 -GRABWATER (Units: ug/L)

Analyte/Method	Sampled 12/16/94 9350A132 Lab 1	Pre-purge 12/17/94 9350X103 Lab 1	Post-purge 12/17/94 9350X104 Lab 1	Pre-purge 1/28/94 9404X175 Lab 1	Post-purge 1/28/94 9404X177 Lab 1	Pre-purge 1/28/94 9404X176 Lab 2	Post-Purge 1/28/94 9404X178 Lab 2
CLP VOC Acetone	13	NA	16	33	16	NA	NA
CLP SOC Naphthalene 2-Methylnaphthalene N-Nitrosodiphenylamine Bis(2-ethylhexyl)phthalate	12J 42 12J 92B	NA	8J 28 12J 51B	4J 15 8J 13	4J 24 11J 110	NA	NA
CLP Pesticide/PCBs	ND	NA	ND	NA	NA	NA	NA
CLP Metals	Below MCLs	NA	Below MCLs	NA	NA	NA	NA
CLP Cyanide	ND	NA	ND	NA	NA	NA	NA
Chrome +6 (EPA 7196)	ND	NA	ND	NA	NA	NA	NA
TPH (EPA 418.1)	25,000	2,600	58,000	4,500	37,000	NA	NA
TPH-Extractables as Motor Oil (CA LUFT)	28,000	10,000	76,000	6,400	52,000	6,100	45,000
TPH-Purgeables as Gasoline (CA LUFT)	ND	ND	270J	ND	130J	NA	NA
Anions (EPA 300.0) Chloride Nitrate Sulfate	193,000 90 9,600	NA	150,000 550 12,900	NA	NA	NA	NA
TDS (EPA 160.1) mg/L	603	NA	534	NA	NA	NA	NA
Chlorinated Herbicides (EPA 8150)	ND	NA	ND	NA	NA	NA	NA

Notes:

ND = Nondetected

NA = Not Analyzed

Lab 1 = CLP Laboratory, Anametrix, Inc.

Lab 2 = Non-CLP Laboratory, Friedman & Bruya

MCL = Maximum Contaminant Level

J and B = Laboratory Qualifiers

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