PROJECT NOTE NO.	PROJECT NO.
PN-0145-123 CLE-C01-01F145-I2-0082	01-F145-H6

M60050.000906
MCAS EL TORO
SSIC # 5090.3

CONFIRMATION OF:	CONFERENCE	X	DATE HELD	06 June 1994
	TELECOM		DATE ISSUED	08 June 1994
	OTHER		RECORDED BY	Chuck Elliott/CH2M HILL
			PLACE	Riverside, California

SUBJECT: Contract Task Order (CTO) No. 145
RI/FS Groundwater Monitoring Meeting
Marine Corp Air Station El Toro

PARTICIPANTS: (* DENOTES PART-TIME ATTENDANCE)

John Broderick - RWQCB
Sherrill Beard - DTSC
Andy Piszkin - Code 1831.AP
John Dolegowski - CH2M HILL
Chuck Elliott - CH2M HILL

TITLE: RI/FS GROUNDWATER MONITORING MEETING

AUTHOR: CHUCK ELLIOT/CH2M HILL

DATE: 06/08/94
CATEGORY: 11.5

ACTION REQ'D. BY	ITEM
	The meeting was held to discuss future groundwater monitoring at Marine Corps Air Station (MCAS) El Toro. The following is a summary of items that were agreed upon at the meeting: o Four additional rounds of groundwater monitoring will occur. These rounds may be quarterly, or up to 4 or 5 months apart. One of these rounds will serve as the Phase II Remedial Investigation (RI) round suitable for risk assessment purposes (i.e., Level 4 data). The other rounds (and subsequent rounds) may be Level 3 data quality. After four rounds, the data will be evaluated and the monitoring network, analyses, and frequency possibly modified for ongoing monitoring rounds (e.g., semiannual sampling may be okay). o Volatile Organic Compounds (VOCs), nitrate, total dissolved solids (TDS), and Eh will be analyzed in all samples. General chemistry parameters and metals will be analyzed in all samples twice during the first four rounds (e.g., approximately semiannually). o Metals will be analyzed in all the samples collected from the landfills (Sites 2, 3/4, 5, and 17), as well as all the samples from Sites 1, 8, 12, 13, 14, 15, and 16. o Priority pollutants (see Chapter 15 regs) will be analyzed in all samples (including upgradient) from the landfill sites, to help evaluate whether closure is required. o At those sites where semivolatile organic compounds (SVOCs), pesticides, or herbicides were found in either Round 1 or Round 2, analyze subsequent samples from this site for these parameters during the four rounds. o Wherever there was a large discrepancy between Round 1 and Round 2 groundwater samples for a particular contaminant, analyze for that class of

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compounds in samples from that site for the next four rounds. In the case of SVOCs, if it is cheaper to focus on a subset of SVOCs (e.g., polycyclic aromatic hydrocarbons [PAHs]), then this is okay.

- On a site-by-site basis, be conservative and include analyses in groundwater samples if site history or Phase I RI soil samples indicate the potential for a contaminant to be present.
- We need to resolve the problem of aeration of some samples (possibility is to purge at low flow rates and sample when parameters stabilize).
- At the well where the highest concentration of Chromium was found in Round 1 or Round 2, analyze subsequent samples for hex chromium.
- It is not necessary to analyze further for Total Fuel Hydrocarbons (TFH)-gasoline or TFH-diesel. VOCs are adequate (either 8010 and 8020 or 8240). In some cases, it may be necessary to also analyze for PAHs, but not as a rule.
- Analyze for gross alpha/beta at the landfill sites and Site 1. Check to see if there is a "gross radionuclides" test.
- Analyze for nitramines and nitroaromatics at Site 1.

Action Items

- CH2M HILL will prepare a revised draft groundwater monitoring plan incorporating these changes.
- John Dolegowski will request input from Dick Glanzman/CH2M HILL geochemist on recommended frequencies of analysis for metals and major ions.