N00296.003114
MOFFETT FIELD
SSIC NO. 5090.3

Tetra Tech EM Inc.

1099 18th Street, Suite 1960 ◆ Denver, CO 80202 ◆ (303) 295-1101 ◆ FAX (303) 295-2818

October 31, 1997

Mr. Stephen Chao and Mr. Hubert Chan
Department of the Navy
Engineering Field Activity West
Naval Facilities Engineering Command
900 Commodore Drive, Building 210
San Bruno, California 94066-5006

CLEAN Contract Number N62474-94-D-7609 (CLEAN II)
Contract Task Order 153

Subject: Planned Destruction of Five C-Aquifer Groundwater Monitoring Wells Moffett Federal Airfield

Dear Messrs. Chao and Chan:

This letter summarizes activities related to the destruction of five C-aquifer groundwater monitoring wells at Moffett Federal Airfield (MFA). Tetra Tech EM Inc. (TtEMI) has discussed sealing C-aquifer monitoring wells with the Navy and the regulatory agencies over the past several months. Monitoring wells screened in the C aquifer have experienced increasing artesian pressure over the past several years and some of these wells have developed surface leaks. Groundwater samples collected from the C aquifer at MFA have consistently indicated no contamination and TtEMI recommended that the Navy destroy all nine C-aquifer groundwater monitoring wells rather than incur additional expenses to recondition the wells. This proposal was discussed during the September 10, 1997 remedial project managers (RPM) meeting. The Navy and the regulatory agencies agreed to destroy five C-aquifer monitoring wells and to retain the remaining four wells—two each on the eastern and western sides of MFA—for continued groundwater monitoring (see Figure 1). The regulatory agencies also requested that a groundwater sample be collected from each of the five wells proposed for destruction.

TtEMI collected a groundwater sample from each of the wells proposed for destruction (W3-10, W4-8, W5-5, W7-16, and W10-6) on September 23, 1997. Analysis of these samples for volatile organic compounds (VOCs) indicated no detections above detection limits ranging from 1 to 5 micrograms per liter (see Attachment A). TtEMI distributed these analytical results to the regulatory agencies at the October 8, 1997 RPM meeting and received approval from the agencies to proceed with destroying these five C-aquifer wells.

TtEMI's subcontractor, Water Development Corporation (WDC), destroyed wells W4-8, W5-8, and W10-6 on October 14, 1997 in accordance with the requirements of the Santa Clara Valley Water District (SCVWD). WDC will destroy wells W3-10 and W7-16 during the week of November 10, 1997.

contains recycled fiber and is recyclable

3114 IR

SCVWD staff will oversee all well destruction activities. TtEMI will advise the regulatory agencies when all well destruction activities have been completed.

If you have any questions, please call me at (303) 312-8874.

Sincerely,

Timothy E. Mower

Timothy E. Mower
Project Manager

TEM/

Enclosures

cc: see distribution list below

Contact	Copies
Mr. Stephen Chao/Mr. Hubert Chan, Navy	3
Mr. Michael Gill, EPA	1
Mr. Michael Rochette, RWQCB	2
Mr. Loren Henning, EPA	1
Mr. Don Chuck, Navy	1
Ms. Sandy Olliges, NASA	1
Ms. Tina Pelley, SAIC	1
Ms. Alana Lee, B&V	1
Mr. Alex Terrazas, City of Mountain View	1
Mr. Stewart McGee, City of Sunnyvale	1
Mr. Thomas Iwamura, SCVWD	1
Mr. Kenneth Eichstaedt, URS	1
Dr. James McClure, HLA	1
Ms. Ingrid Chen, Raytheon	1
Mr. Dennis Curran, Locus	1
Mr. V. Thomas Jones, Schlumberger	1
Mr. Ted Smith, SVTC	letter only
Mr. Peter Strauss	1
Mr. David Glick, RAB Co-chair	1
RAB THE Committee (c/o Dr. James McClure)	5
Information Repository	2

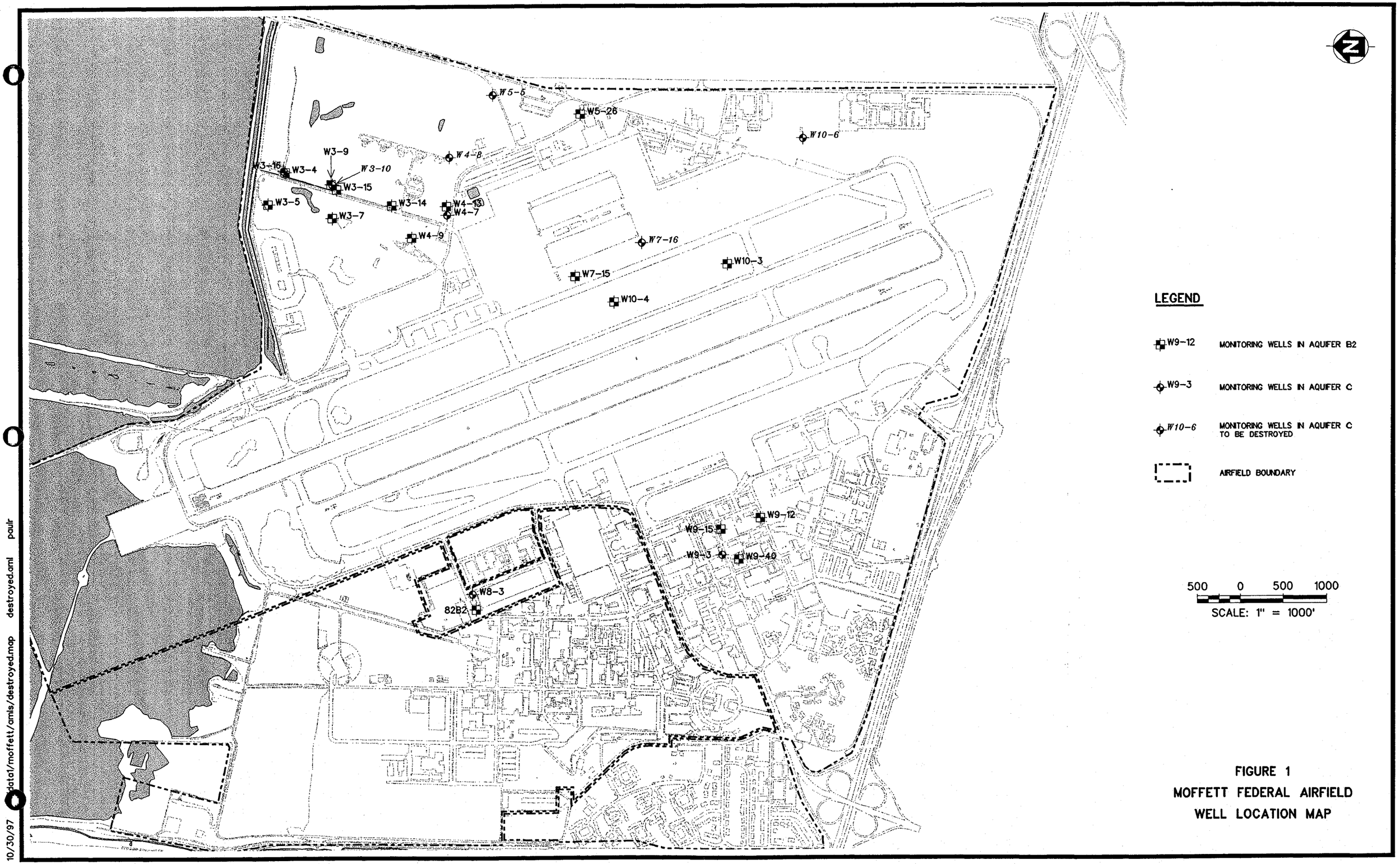

FIGURE 1
MOFFETT FEDERAL AIRFIELD
WELL LOCATION MAP

10/30/97 data1/moffett/amls/destroyed.map destroyed.aml paulr

ATTACHMENT A
ANALYTICAL RESULTS

QST Environmental DATE 10/03/97 STATUS : PAGE 1

PROJECT NUMBER 12973520 0201 PROJECT NAME PRC-MOFFETT FIELD
FIELD GROUP PMOFW PROJECT MANAGER
11-18 ALL LAB COORDINATOR RICHARD ROBINSON

SAMPLE ID'S		TB-1	W4-8	W4-99-1 (duplicate)	W5-5	W3-10	W7-16	W7-16-100 (rinsate)	W10-6
PARAMETERS	STORET	PMOFW	PMOFW	PMOFW	PMOFW	PMOFW	PMOFW	PMOFW	PMOFW
UNITS	METHOD	11	12	13	14	15	16	17	18
DATE		09/23/97	09/23/97	09/23/97	09/23/97	09/23/97	09/23/97	09/23/97	09/23/97
TIME			11:09	11:39	12:51	15:38	17:06	17:40	18:35
ACETONE	81552	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
UG/L	8260-G								
BENZENE	34030	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
UG/L	8260-G								
BROMODICHLOROMETHANE	32101	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
UG/L	8260-G								
BROMOFORM	32104	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
UG/L	8260-G								
BROMOMETHANE	34413	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
UG/L	8260-G								
CARBON DISULFIDE	77041	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
UG/L	8260-G								
CARBON TETRACHLORIDE	32102	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
UG/L	8260-G								
CHLOROBENZENE	34301	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
UG/L	8260-G								
CHLOROETHANE	34311	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
UG/L	8260-G								
CHLOROFORM	32106	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
UG/L	8260-G								
2-CHLOROETHYLVINYLETHER	34576	<10	<10	<10	<10	<10	<10	<10	<10
UG/L	8260-G								
CHLOROMETHANE	34418	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
UG/L	8260-G								
DIBROMOCHLOROMETHANE	32105	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
UG/L	8260-G								
1,1[illegible]HLOROETHANE	34496	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
UG/L	8260-G								
1,2-DICHLOROETHANE	34531	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
UG/L	8260-G								
1,1-DICHLOROETHYLENE	34501	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
UG/L	8260-G								
CIS-1,2-DICHLOROETHENE	77093	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
UG/L	8260-G								
TRANS-1,2-DICHLOROETHENE	34546	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
UG/L	8260-G								
1,2-DICHLOROPROPANE	34541	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
UG/L	8260-G								
CIS-1,3-DICHLOROPROPENE	34704	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
UG/L	8260-G								
TRANS-1,3-DICHLOROPROPENE	34699	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
UG/L	8260-G								
ETHYLBENZENE	34371	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
UG/L	8260-G								
2-HEXANONE (MBK)	77103	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
UG/L	8260-G								
METHYLENE CHLORIDE	34423	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
UG/L	8260-G								
METHYL ETHYL KETONE (MEK)	81595	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
UG/L	8260-G								
METHYL ISOBUTYL KETONE	81596	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
UG/L	8260-G								
STYRENE	77128	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
UG/L	8260-G								
1,1,2,2-TETRACHLOROETHANE	34516	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
UG/L	8260-G								
TETRACHLOROETHENE	34475	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
UG/L	8260-G								
TOLUENE	34010	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
UG/L	8260-G								
1,1,1-TRICHLOROETHANE	34506	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
UG/L	8260-G								
1,2-[illegible]CHLOROETHANE	34511	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
UG/L	8260-G								

QST Environmental DATE 10/03/97 STATUS : PAGE 2

PROJECT NUMBER 12973526 0201 PROJECT NAME PRC-MOFFETT FIELD
FIELD GROUP PMOFW PROJECT MANAGER
11-18 ALL LAB COORDINATOR RICHARD ROBINSON

SAMPLE ID'S		TB-1	W4-8	W4-99-1	W5-5	W3-10	W7-16	W7-16-100	W10-6
PARAMETERS	STORET	PMOFW	PMOFW	PMOFW	PMOFW	PMOFW	PMOFW	PMOFW	PMOFW
UNITS	METHOD	11	12	13	14	15	16	17	18
DATE		09/23/97	09/23/97	09/23/97	09/23/97	09/23/97	09/23/97	09/23/97	09/23/97
TIME			11:09	11:39	12:51	15:38	17:06	17:40	18:35
TRICHLOROETHENE	39180	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
UG/L	8260-G								
VINYL CHLORIDE	39175	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
UG/L	8260-G								
VINYL ACETATE	77057	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
UG/L	8260-G								
XYLENES,TOTAL	81551	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
UG/L	8260-G								