



July 22, 1999

773189-ITNHO-1003

Mr. Marc Feinberg, Code 645
Procuring Contracting Officer
Department of the Navy
Engineering Field Activity, West
900 Commodore Drive, Building 208
San Bruno, California 94066-2402

Contract: N62474-93-D-2151, Environmental Remediation Contract for Sites in Northern and Central California and in Nevada

Subject: Delivery Order No. 0108, Sites 1 and 2 Monitoring and Landfill Maintenance, Moffett Federal Airfield, Moffett Field, California

Dear Mr. Feinberg:

The first round of quarterly sampling and monitoring (consisting of groundwater, leachate, and gas wells) for the above-referenced delivery order was conducted on July 12 and 13, 1999. Daily summaries of the monitoring activities are provided in Attachment A. Samples were shipped to the program-approved analytical laboratory, with a two-week analysis turnaround time. Upon receipt from the laboratory, IT will review and compile the resulting data and provide complete packages to the Navy and Tetra Tech.

In conjunction with this monitoring and in conformance with the project plans, an inspection of the Site 1 and Site 2 Landfills was also completed on July 12, 1999. Necessary maintenance tasks were identified, as documented on the inspection forms provided in Attachment B. In addition, submersible bladder pumps were removed from five wells (W1-5, W1-8, W1-12, W2-5, and W2-6) and stored near the West Aquifer Treatment System (WATS). These pumps are not necessary for this project, since water samples are being collected using a low-flow micropurging technique. The primary maintenance requirements (as reviewed with Navy representatives at Moffett Field) are as follows:

- Cut overall vegetation at Site 1 and Site 2 to a height of approximately 6 inches, leaving, to the extent possible, low-lying pickleweed (potential salt marsh harvest mouse habitat);
- Trim/remove weeds, as necessary, at Sites 1 and Sites 2;
- Repair minor erosion/cracking along the western slope of the Site 1 Waste Consolidation Area and rehydroseed, if necessary;
- Fill in and recompact rodent burrows at Site 1;

Mr. Marc Feinberg

2

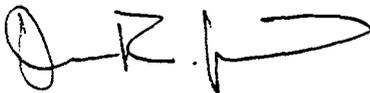
July 22, 1999

- Repair minor perimeter road cracking at Site 1;
- Repair/mitigate road settlement at northwest corner of Site 1;
- Repair gate along east side of Site 1;
- Remove soil and vegetation from culverts at Site 1;
- Survey landfill monuments and evaluate settlement along north perimeter of Site 1;
- Install locks and caps, as necessary, to wells at Site 1 and Site 2 (Navy may provide locks);
- Install two bollards for W2-3 at Site 2;
- Repair well protection casing for W2-13 at Site 2; and
- Install locks for northwest and south gates at Site 2.

Field implementation of these tasks will be performed, to the extent possible, in a single mobilization, tentatively scheduled for early-Autumn 1999. Once an appropriate field team is identified, a preconstruction/mutual understanding meeting will be scheduled with the ROICC.

If you have any questions or require additional information, please contact the undersigned at (925) 372-9100.

Sincerely,
IT CORPORATION



Dennis R. Julio, P.E.
Project Manager
D.O. 0108



Don Marini, P.E.
Deputy Program Manager
EFA-West PMO

cc: Mr. Hubert Chan, RPM, Code 6421
Mr. Don Chuck, RPM, Moffett Field, Code 6421
Mr. Jerry Taleghani, ROICC NTR
Ms. Rose Condit, IT
Ms. Wendy Nugier, IT
D.O. 0108 Central Files

ATTACHMENT A
SAMPLING ACTIVITY SUMMARIES

7/12/99

Work Performed Today

TASK	Name	Company	Employee No.	Title	Hours Worked
Groundwater and Vapor Sampling at Landfill Site 1	Rose Condit	IT	958338	Project. Chemist	12
	Kevin McIlvenna	TRS	135991	Sample Tech	12.5
	Jeff Sherwin	IT	60018	Project Chemist	12

Attended project kick-off meeting and walked the site inspecting wells and vapor vents prior to starting sampling.

Manifested Materials:

Shipped 5 groundwater samples to APCL from Landfill Site 1

Equipment On Site:

- 1- IT Sampling Truck
- 2 Dissolved Oxygen Meter (EquipCo – Rental)
- 2 Turbidity Meter- (EquipCo – Rental)
- 2 Peristaltic Pump –(IT equipment)
- 2 pH/ORP/Cond/Temp. Meter (EquipCo-Rental)
- 1 LandTec Gas Analyzer for Methand (EnviroSupply – Rental)

7/13/99

Work Performed Today

TASK	Name	Company	Employee No.	Title	Hours Worked
Groundwater and Vapor Sampling at Landfill Site 1 and Groundwater Sampling at LF Site 2	Rose Condit	IT	958338	Project. Chemist	11
	Kevin McIlvenna	TRS	135991	Sample Tech	9.5
	Jeff Sherwin	IT	60018	Project Chemist	11

Manifested Materials:

Shipped 5 groundwater samples from Site 1 and 7 Groundwater samples from Site 2 to APCL

Equipment On Site:

- 1 IT Sampling Truck
- 2 Dissolved Oxygen Meter (EquipCo – Rental)
- 2 Turbidity Meter- (EquipCo – Rental)
- 2 Peristaltic Pump –(IT equipment)
- 2 pH/ORP/Cond/Temp. Meter (EquipCo-Rental)
- 1 LandTec Gas Analyzer for Methand (Envirosupply – Rental)

ATTACHMENT B
LANDFILL INSPECTION FORMS

Moffett Site 1 Landfill General Inspection List (07-12-99)
Delivery Order No. 0108

Item	Condition			Comments
	Good	Needs Maintenance	N/A	
General Site - access roads - warning/instructional signs - litter - security fencing/gates	 ✓ ✓	✓ ✓		Some cracking; settlement at NW corner. NASA signs in tact. Gate at east side does not close completely.
Landfill Cap - erosion - settling - settlement markers - cracking - rodent burrows - vegetation - deep rooted vegetation - water drainage - rip rap	 ✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓		Minor erosion and rills on west slope. Will survey. Minor cracking on west slope. Burrows need to be filled in and compacted. Trim/remove/rehydroseed, as necessary.
Landfill Gas Vents - riser condition	✓			
Landfill Gas Monitoring Wells - well cap integrity - water drainage - traffic protection - locks	✓ ✓ ✓	 ✓		LGMW1-1, -2, -3, and -4 need locks.
Gas Venting Trench - riser integrity	✓			
Groundwater Extraction Trench Wells - vault integrity - water drainage - traffic protection - locks	✓ ✓ ✓		✓	
Groundwater Monitoring Wells - well cap integrity - water drainage - traffic protection - locks	✓ ✓ ✓	✓		W1-12 casing shows signs of deterioration. W1-5, W1-8, W1-12, and W1-14 need caps.
Groundwater Piezometers - well cap integrity - water drainage - traffic protection - locks	✓ ✓ ✓ ✓			
Stormwater Runoff Control - water drainage - culvert/trench drainage - rip rap - settlement - erosion	 ✓ ✓	✓ ✓ ✓		Remove weeds from ditches, as necessary. Clean out culvert inlets/outlets. Remove weeds, as necessary.
N/A = Not Applicable				

Moffett Site 2 Landfill General Inspection List (07-12-99)
Delivery Order No. 0108

Item	Condition			Comments
	Good	Needs Maintenance	N/A	
General Site - access roads - warning/instructional signs - litter - security fencing/gates	✓ ✓ ✓	✓		Perimeter grass was already cut. NW and south gates need locks.
Groundwater Monitoring Wells - well cap integrity - water drainage - traffic protection - locks	✓	✓ ✓ ✓		W2-13 metal casing is bent. W2-5 and W2-6 need caps. W2-3 needs two bollards. W2-6 and W2-14 need locks.
Stormwater Runoff Control - water drainage - trench drainage - storm drain drop inlet	✓ ✓	✓		Trim/remove weeds.
N/A = Not Applicable				