

Adm

Serving the World's
Environmental Needs

Telephone
(415) 933-2250

365 Lennon Lane
Walnut Creek
California 94598

JMM James M. Montgomery
Consulting Engineers, Inc.

September 18, 1990



Ms. Lynn Nakashima
Department of Health Services *968*
Toxic Substances Control Division
2151 Berkeley Way, Annex 9
Berkeley, CA 94704

SUBJECT: SOIL DISPOSAL AT NAS MOFFETT FIELD FILE: 2738.0035/3.2

Dear Ms. Nakashima:

James M. Montgomery, Consulting Engineers, Inc. (JMM) is currently engaged in an investigation of possible contamination at the Naval Air Station (NAS), Moffett Field, Mountain View, California, under the Comprehensive Long-Term Environmental Action Navy (CLEAN) Program. Soil excavated during the construction of monitoring wells and soil borings at Site 12 has been securely stored in 10 DOT 17H drums at the site. Water collected from these wells during construction and development has been stored in another 23 DOT 17H drums at the site.

Comprehensive laboratory analysis indicating the concentration of contaminants in different soil samples are enclosed with this letter. The enclosure provides an index of the cuttings that each drum contains. Maximum concentrations of contaminants detected in the samples associated with each well or boring are listed in the enclosure. Drums containing soil designated as waste will be sent to NAS Moffett Field's DRMO facility. Soil designated as non-hazardous will be spread at the site or sent to a class-3 landfill.

Please advise as to the designation of soil for each of these drums.

An expedient response in this matter would be greatly appreciated, since the Navy is planning an air show on the 6th and 7th of October of this year, on their premises, and the drums are intended to be removed from the site before then.

90 SEP 19 AM 5:19

RECEIVED
IN CODE 181

968
969
970
GEN 76

Ms. Lynn Nakashima

September 18, 1990

Your signing and returning of this letter will provide the navy with written approval of the disposal of these wastes. A second original letter has been provided for your records.

If you have any questions regarding this letter, please call me at (415) 975-3400.

Sincerely,

**JAMES M. MONTGOMERY,
CONSULTING ENGINEERS, INC.**

Joseph P. LeClaire

Joseph P. LeClaire, Ph.D.
Project Engineer

JPL:ezg
Enclosure

cc: Mr. Will Bruhns, Regional Water Quality Control Board 969
Mr. Lewis Mitani, U.S. EPA, Region 9 970
Mr. Thomas P. Adkinson, PRC Environmental Management, Inc.
Mr. Stephen G. Chao, Western Division, Naval Facility Engineering Command 967
Mr. Steve Anschutz, NAS Moffett Field
Ms. Sandy Olliges, NASA/Ames

MOFFETT FIELD SOIL DATA FROM SITE-12

JMM CONSULTING ENGRS. INC.

WELL NAME	Total Drums	Depth (ft)	Methylene Chloride Max. Conc. (ug/kg)	Acetone Max. Conc. (ug/kg)	Tetrachloro ethene Max. Conc. (ug/kg)	TPH (Gasoline) Max. Conc. (mg/kg)	TPH (Diesel) Max. Conc. (mg/kg)	TPH (Kerosene) Max. Conc. (mg/kg)	Dimethyl phthalate Max. Conc. (ug/kg)	Bis(2-ethyl-hexyl) phthalate Max. Conc. (ug/kg)
SOIL DATA										
Monitoring Wells										
MW12-04a	3	1 - 11	47	37	6	N.D.	N.D.	N.D.	N.D.	N.D.
MW12-05a	2	1 - 11	36	57	N.D.	35.5	290	166	N.D.	N.D.
MW12-06a	3	1 - 10.5	58	79	9	7.77	N.D.	N.D.	N.D.	N.D.
Soil Borings										
SB12-13,14,15	1	1 - 11	90	130	8	20.2	N.D.	N.D.	330	515
SB12-16,17,18	1	1 - 8	56	45	N.D.	870	610	390	N.D.	140

N.D. - Not Detected

MOFFETT FIELD SOIL DATA FROM SITE-12

JMM CONSULTING ENGRS. INC.

Di-N-Butyl phthalate		Total Drums	Depth	NO3	Aluminum	Antimony	Arsenic	Barium	Chromium	Cobalt
Max. Conc. (ug/kg)	WELL NAME		(ft)	Max. Conc. (ug/gm)	Max. Conc. (mg/kg)					
	SOIL DATA									
	Monitoring Wells									
N.D.	MW12-04a	3	1 - 11	423	24300	12.6	11.8	196	132	28.1
N.D.	MW12-05a	2	1 - 11	N.D.	21500	12.9	10	194	78.8	16.7
N.D.	MW12-06a	3	1 - 10.5	22.9	24500	16.4	10.7	216	71.2	16.6
	Soil Borings									
N.D.	SB12-13,14,15	1	1 - 11	5.67	24800	N.D.	9.9	349	85.6	21.5
120	SB12-16,17,18	1	1 - 8	69.7	25900	N.D.	9.2	377	71.3	17.7

N.D. - Not Detected

MOFFETT FIELD SOIL DATA FROM SITE-12

JMM CONSULTING ENGRS. INC.

Copper		Total	Depth	Iron	Lead	Magnesium	Manganese	Nickel	Sodium	Thallium
		Drums								
Max. Conc. (mg/kg)	WELL NAME		(ft)	Max. Conc. (mg/kg)						
	SOIL DATA									
Monitoring Wells										
67.6	MW12-04a	3	1 - 11	33200	9.8	22100	531	136	263	0.5
39.9	MW12-05a	2	1 - 11	31500	10.2	22700	486	76	266	N.D.
44	MW12-06a	3	1 - 10.5	32400	11.7	29600	622	72.8	590	N.D.
Soil Borings										
39.7	SB12-13,14,15	1	1 - 11	44100	6.5	21400	1210	81.4	330	N.D.
48.8	SB12-16,17,18	1	1 - 8	39400	6.1	24200	639	81.7	316	N.D.

N.D. - Not Detected

HOFFETT FIELD SOIL DATA FROM SITE-12

JMM CONSULTING ENGRS. INC.

Vanadium		Total	Depth	Zinc	Selenium	Mercury	Cadmium	Bromide
		Drums						
Max. Conc.	WELL NAME			Max. Conc.				
(mg/kg)			(ft)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(ug/g)
	SOIL DATA							
Monitoring Wells								
63.9	MW12-04a	3	1 - 11	69.7	0.5	N.D.	N.D.	N.D.
66.7	MW12-05a	2	1 - 11	70.3	N.D.	N.D.	N.D.	N.D.
62.7	MW12-06a	3	1 - 10.5	70.6	N.D.	0.98	N.D.	N.D.
Soil Borings								
60.5	SB12-13,14,15	1	1 - 11	87.2	N.D.	N.D.	4.4	2.14
64.6	SB12-16,17,18	1	1 - 8	84.2	0.4	N.D.	3.8	N.D.

N.D. - Not Detected