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C-49-8-5-248
August 25, 1995
Project Number 4435

Mr. Gary McSmith, Code 1823
Atlantic Division
Naval Facilities Engineering Command
6500 Hampton Boulevard
Norfolk, VA 23511-2699

Reference: CLEAN Contract N62472-90-D-1298
Contract Task Order No. 191

Subject: MCAS Cherry Point, North Carolina
OU-1, Site 16 Debris Piles Remediation
Errata Sheet for Final Design Documents

Dear Mr. McSmith:

Forwarded herewith is an errata sheet for the subject final design documents previously forwarded to you by Halliburton NUS letter dated July 11, 1995.

By a copy of this letter, the errata sheet is forwarded to the addressees who also received the final design documents by a copy of the July 11, 1995, submission.

Please contact me at 412-921-8684 if you have any questions regarding the errata sheet.

Very truly yours,



George J. Latulippe, P.E.
Project Manager

GJL/pm
Enclosure

cc: Mr. Roger Boucher, NORTHDIV (letter only)
Ms. Renee Henderson, MCAS Cherry Point
Mr. Nick Tasheuras, OSC OIC, MCAS Cherry Point
Ms. Linda Raynor, NCDEHNR
Mr. Dan Buis, NCDEHNR
Mr. Richard Powers, NCDEHNR
Ms. Gena Townsend, U.S. EPA
Mr. Tom Augspurger, U.S. Fish and Wildlife Service
Mr. Alex Cardinell, USGS
Ms. Lauren Hillman, U.S. Forest Service
Mr. Waynon Johnson, NOAA
Mr. Henry Sermons, Fire Marshall
Ms. Vicki Smith, ATSDR
Ms. Cynthia Tschaepe, OHM
Mr. John Trepanowski, Halliburton
Mr. Daryl Hutson, Halliburton NUS (letter only)
Mr. Matthew Cochran, Halliburton NUS
Project File 4435

ERRATA

FINAL DESIGN DOCUMENTS OPERABLE UNIT 1, SITE 16 DEBRIS PILE REMOVAL MARINE CORPS AIR STATION CHERRY POINT, NORTH CAROLINA

This Errata Sheet is issued to effect changes in the documents referenced below under Affected Documents:

Affected Documents:

Specifications: OU1, Site 16, Debris Pile Removal at the Marine Corps Air Station Cherry Point, Cherry Point, North Carolina, Specification No. 15-95-5836, Contract No. N62470-95-B-5836, dated July 1995.

Design Analysis: Design Analysis for Operable Unit 1, Site 16, Debris Pile, Marine Corps Air Station, Cherry Point, North Carolina, Northern Division Contract Number N62472-90-D-1298, Contract Task Order 0191, dated July 1995.

Environmental Permit Report: Environmental Permit Report for Operable Unit 1, Site 16, Debris Pile, MCAS Cherry Point, Cherry Point, North Carolina, Northern Division Contract No. N62472-90-D-1298, Contract Task Order 0191, dated March 1995

In Specifications Section 02050, Paragraph 3.1.2, page 3,

Text reading:

"Remove all demolition debris (concrete, masonry, and poles, etc.) to 1 foot below grade from within work area. Crush, cut size for transport to and disposal at the MCAS Cherry Point. Coordinate disposal through Environmental Affairs Department, MCAS Cherry Point. Concrete shall be reduced to a nominal size of no more than 3 feet. Materials not acceptable for disposal at MCAS Cherry Point shall be disposed of offsite at a permitted disposal facility."

Is changed to read:

"Remove all demolition debris (concrete, masonry, and poles, etc.) to 1 foot below grade from within work area. Crush, cut size for transport to and disposal at the MCAS Cherry Point landfill. Coordinate disposal through Environmental Affairs Department, MCAS Cherry Point. Concrete shall be reduced to a nominal size of no more than 3 feet. Materials not acceptable for disposal at MCAS Cherry Point landfill shall be disposed of offsite at a permitted disposal facility."

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FINAL DESIGN DOCUMENTS OPERABLE UNIT 1, SITE 16 DEBRIS PILE REMOVAL MARINE CORPS AIR STATION CHERRY POINT, NORTH CAROLINA

In Specifications Section 02222, Paragraph 3.8.2, page 8:

Text reading:

"Test additional samples for TAL metals plus cyanide and TCL organics in accordance with EPA SW-846."

Is changed to read:

"Test additional samples for TAL metals, plus cyanide, and TCL volatile organic compounds, TCL semivolatile organic compounds, and TCL pesticides/PCBs in accordance with EPA SW-846."

Design Analysis Section 2.3, Debris and Contaminated Soils, page 2-3:

Text reading:

"The lead is present at 10 locations (concentrations of 163 to 1,110 ppm) at levels above background ..."

Is changed to read:

"The lead is present at 10 locations (concentrations of 145 to 1,110 ppm) at levels above background ..."

Design Analysis Section 2.3.2, Debris and Contaminated Soils, page 2-5:

Text reading:

"The scrap tanks will be reduced to manageable pieces of a size acceptable to DRMO. Currently the accepted Size is no larger than 10-feet by 10-feet."

Shall be deleted.

Design Analysis Appendix A, "Summary Data":

Pages with data for Purgeable TPH in Soils should be replaced with the attached four pages.

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FINAL DESIGN DOCUMENTS OPERABLE UNIT 1, SITE 16 DEBRIS PILE REMOVAL MARINE CORPS AIR STATION CHERRY POINT, NORTH CAROLINA

Environmental Permit Report, Section 1.1 - Background Information page 1-1:

Text reading:

"Lead was found in concentrations from 163 to 708 ppm..."

Is changed to read:

"Lead was found in concentrations from 145 to 1,110 ppm..."

Environmental Permit Report, Section 2.1 - Removal Action Objectives, page 2-1:

Text Reading:

"The objectives of the proposed removal action at Site 16 are to remove asbestos contaminated soil and debris and TPH contaminated soil, dispose of the asbestos contaminated debris and soil, the treatment and disposal of the TPH contaminated soil, and site restoration to the degree of pre-construction site conditions."

Is changed to read:

"The objectives of the proposed removal action at Site 16 are to remove asbestos contaminated soil and debris, TPH contaminated soil, and lead-contaminated soil, dispose of the asbestos contaminated debris and soil, the treatment and disposal of the TPH contaminated soil as well as the lead-contaminated soil, and site restoration to the degree of pre-construction site conditions."

Environmental Permit Report, Section 2.2 - Removal Action Description, page 2-1, under Excavation of Debris and Soils:

Text Reading:

"... and 591 cubic yards of TPH contaminated soil will be excavated (of which 52 cubic yards also contain asbestos)."

Is changed to read:

"... , 591 cubic yards of TPH contaminated soil will be excavated (of which 52 cubic yards also contain asbestos) and 69 cubic yards of lead-contaminated soil."

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FINAL DESIGN DOCUMENTS OPERABLE UNIT 1, SITE 16 DEBRIS PILE REMOVAL MARINE CORPS AIR STATION CHERRY POINT, NORTH CAROLINA

Environmental Permit Report, Section 2.2 - Removal Action Description, page 2-5, under Disposal of Debris and Soils:

Text reading:

"TPH contaminated soils will be disposed of at an approved, permitted offsite treatment facility. Soils contaminated with TPH and asbestos will be disposed of at an offsite landfill permitted for both contaminants."

Is changed to read:

"TPH contaminated soils will be disposed of at an approved, permitted offsite treatment facility. Lead contaminated soils will be disposed of at an approved, permitted offsite facility. Soils contaminated with a combination of asbestos, TPH or lead will be disposed of at an offsite facility permitted to receive the contained contaminants. ~~Soils contaminated with TPH and asbestos will be disposed of at an offsite landfill permitted for both contaminants.~~"

Text reading:

"Scrap Tanks will be reduced to acceptable sizes and disposed of at the Defense Reutilization and Marketing Office (DRMO) located at MCAS Cherry Point."

Shall be deleted.

CTO 191
 MCAS CHERRY POINT
 SITE 16 DEBRIS PILES

CLIENT ID:				SO01-0001	SO02-0001	SO03-0001	SO04-0001	SB04-0102	SB04-0102	SO05-0001
LABORATORY ID:				20761.02	20761.03	20761.04	20761.05	20761.06	DUP	20761.07
	% SOLIDS:			68	71	79	79	78	70	77
PURGEABLE TPH SOILS	UNITS	CRQL	MDL							
GASOLINE	ug/kg	10	NA	14.7 U	10.2 J	12.7 U	12.6 U	12.7 U	18.6	13 U
DIESEL C10-C22	mg/kg	1	NA	1.47 U	1.42 U	1.27 U	1.26 U	1.27 U	1.43 U	1.3 U
KEROSENE C9-C18	mg/kg	1	NA	1.47 U	1.42 U	1.27 U	1.26 U	1.27 U	1.43 U	1.3 U
JP-4 C6-C14	mg/kg	1	NA	1.47 U	1.42 U	1.27 U	1.26 U	1.27 U	1.43 U	1.3 U
NAPHTHA C6-C12	mg/kg	1	NA	1.47 U	1.42 U	1.27 U	1.26 U	1.27 U	1.43 U	1.3 U
#6 FUEL OIL C12-C24	mg/kg	1	NA	1.47 U	1.42 U	1.27 U	1.26 U	1.27 U	1.43 U	1.3 U
OIL & GREASE	mg/kg	10	NA	205	77.8	329	82	458	272	117

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 MCAS CHERRY POINT
 SITE 16 DEBRIS PILES

CLIENT ID:				SO-06-0001 20761.08	SO07-0001 20761.09	SO07-0001 DUP	SO08-0001 20761.10	SO09-0001 20761.11	SO10-0001 20761.12	SO11-0001 20769.02
LABORATORY ID:				75	44	40	45	61	67	57
	% SOLIDS:									
PURGEABLE TPH SOILS	UNITS	CRQL	MDL							
GASOLINE	ug/kg	10	NA	13.3 U	22.7 U	25 U	22 U	16.3 U	23	10.4 J
DIESEL C10-C22	mg/kg	1	NA	1.33 U	2.27 U	2.5 U	2.2 U	1.63 U	1.49 U	1.76 U
KEROSENE C9-C18	mg/kg	1	NA	1.33 U	2.27 U	2.5 U	2.2 U	1.63 U	1.49 U	1.76 U
JP-4 C6-C14	mg/kg	1	NA	1.33 U	2.27 U	2.5 U	2.2 U	1.63 U	1.49 U	1.76 U
NAPHTHA C6-C12	mg/kg	1	NA	1.33 U	2.27 U	2.5 U	2.2 U	1.63 U	1.49 U	1.76 U
#6 FUEL OIL C12-C24	mg/kg	1	NA	1.33 U	2.27 U	2.5 U	2.2 U	1.63 U	1.49 U	1.76 U
OIL & GREASE	mg/kg	10	NA	24	31.8	40.1	50.6	53.7	403	113

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 MCAS CHERRY POINT
 SITE 16 DEBRIS PILES

CLIENT ID:
 LABORATORY ID:

SO12-0001
 20769.03

SO13-0001
 20769.04

SO14-0001
 20769.08

SO15-0001
 20769.09

SO16-0001
 20769.10

SO17-0001
 20769.11

% SOLIDS: 36 60 54 76 34 84

PURGEABLE TPH SOILS	UNITS	CRQL	MDL	36	60	54	76	34	84
GASOLINE	ug/kg	10	NA	27.8 U	16.6 U	18.7 U	13.2 U	29.7 U	14.1
DIESEL C10-C22	mg/kg	1	NA	2.78 U	1.66 U	1.87 U	1.32 U	2.97 U	1.18 U
KEROSENE C9-C18	mg/kg	1	NA	2.78 U	1.66 U	1.87 U	1.32 U	2.97 U	1.18 U
JP-4 C6-C14	mg/kg	1	NA	2.78 U	1.66 U	1.87 U	1.32 U	2.97 U	1.18 U
NAPHTHA C6-C12	mg/kg	1	NA	2.78 U	1.66 U	1.87 U	1.32 U	2.97 U	1.18 U
#6 FUEL OIL C12-C24	mg/kg	1	NA	2.78 U	1.66 U	1.87 U	1.32 U	2.97 U	1.18 U
OIL & GREASE	mg/kg	10	NA	228	164	59.8	48.7	122	71

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 MCAS CHERRY POINT
 SITE 16 DEBRIS PILES

CLIENT ID: LABORATORY ID:				SO17-0102 20769.12	SO18-0001 20769.13	SB18-0102 20769.14	SO19-0001 20769.15	SO19-0001 DUP	SB19-0102 20769.19
	% SOLIDS:			87	84	89	84	84	90
PURGEABLE TPH SOILS	UNITS	CRQL	MDL						
GASOLINE	ug/kg	10	NA	42	11.9 U	11.2 U	16.3	13.4	14.3
DIESEL C10-C22	mg/kg	1	NA	1.15 U	1.19 U	1.12 U	1.2 U	1.19 U	1.12 U
KEROSENE C9-C18	mg/kg	1	NA	1.15 U	1.19 U	1.12 U	1.2 U	1.19 U	1.12 U
JP-4 C6-C14	mg/kg	1	NA	1.15 U	1.19 U	1.12 U	1.2 U	1.19 U	1.12 U
NAPHTHA C6-C12	mg/kg	1	NA	1.15 U	1.19 U	1.12 U	1.2 U	1.19 U	1.12 U
#6 FUEL OIL C12-C24	mg/kg	1	NA	1.15 U	1.19 U	1.12 U	1.2 U	1.19 U	1.12 U
OIL & GREASE	mg/kg	10	NA	3570	46.4	14.6	311	322	112