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NAS KEY WEST
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REPORT ON THE DISPOSITION OF INVESTIGATION DERIVED WASTE FROM WELL
INSTALLATION ACTIVITIES AT HARRY S TRUMAN ANIMAL IMPORT CENTER WITH
TRANSMITTAL LETTER NAS KEY WEST FL
10/15/2002
TETRA TECH NUS



TETRA TECH NUS, INC.

0004

AIK-02-0349

October 15, 2002

Project Number N4260

Via Email

Mr. Robert Courtright
Installation Restoration Coordinator
Environmental Branch
U.S. Naval Air Facility Key West
Public Works Environmental Code 1883, Bldg. A629
Key West, Florida 33040-9007

Reference: CLEAN Contract No. N62467-94-D-0888
Contract Task Order No. 0254

Subject: Disposition of July 23-25, 2002 Investigation-Derived Waste from Well Installation
Activities at the Harry S. Truman Animal Import Center

Dear Mr. Courtright:

Tetra Tech NUS Inc. (TtNUS) is pleased to provide the enclosed report on the disposition of the July 23-25, 2002 Investigation-Derived Waste (IDW) stored in 55-gallon drums at the Harry S. Truman Animal Import Center. The IDW is aqueous development water and soil cuttings from monitoring well installation activities.

The drums are labeled with the location where the waste originated and the date of generation. Data relating to the contents of the drums have been received from the laboratory and evaluated. TtNUS recommends the IDW be disposed as nonhazardous waste.

As a courtesy to you, we are sending a copy of this report to Ms. Patsy McNeill for her use in disposing the IDW. Should you have any questions after reviewing the attached report, please call me at (803) 649-7963, extension 344.

Sincerely,

Emily H. McRee
NAF Key West Field Operations Leader

Enclosures

cc: Mr. B. Glover, SOUTHDIV NAVFACENCOM
Ms. P. McNeill, NAF Key West
File 4260-7.3.1

INVESTIGATION-DERIVED WASTE (IDW)
HARRY S. TRUMAN ANIMAL IMPORT CENTER
JULY 23-25, 2002

Investigation-derived waste (IDW) was generated during monitoring well installation activities at the Harry S. Truman Animal Import Center (HSTAIC) to support the Underground Storage Tank (UST) investigation. Four drums of IDW were produced during field activities performed by TiNUS between July 23-25, 2002. Figure 1 shows the location at the HSTAIC where the drums are staged.

GROUNDWATER

Three drums of aqueous IDW contain development water from five monitoring wells. These drums are currently located at the HSTAIC site (Figure 1). The five wells from which development water was collected were sampled for Kerosene Analytical Group (KAG) constituents. Chemical analytical data were received from the laboratory and validation was completed on October 1, 2002.

Table 1 shows constituents detected in groundwater from the five monitoring wells at the HSTAIC UST site. No constituents exceeded Groundwater Cleanup Target Levels (GCTL) for groundwater of Low Yield/Poor Quality (F.A.C. 62-777, Table I). Therefore, the groundwater IDW at the HSTAIC site does not need to be managed as hazardous waste.

SOIL

One drum of solid IDW contains soil cuttings from the installation of five monitoring wells. The drum is currently located at the HSTAIC site (Figure 1). Soil samples were collected from the site and analyzed for KAG constituents. Chemical analytical data were received from the laboratory and validation was completed on October 1, 2002.

Table 2 shows constituents detected in soil at the HSTAIC UST site. No constituents exceeded the Residential Soil Cleanup Target Levels (SCTLs) as listed in F.A.C. 62-777, Table II. Therefore, the solid IDW at the HSTAIC site does not need to be managed as hazardous waste.

Q A Record

TABLE 1
GROUNDWATER SAMPLE RESULTS FOR HSTAIC
NAVAL AIR FACILITY
KEY WEST, FLORIDA
PAGE 1 OF 2

Sample ID	Parameter	Result	Qualifier	GCTL for Low Yield/Poor Quality*
Miscellaneous Analytes (mg/L)				
AIC-MW-01-0702	SULFATE	110		2,500,000
AIC-MW-03-0702	SULFATE	270		
AIC-MW-04-0702	SULFATE	1000		
Volatile Organic Compounds (µg/L)				
AIC-MW-05D-0702	BROMODICHLOROMETHANE	0.7	J	6
AIC-MW-05D-0702	CHLORODIBROMOMETHANE	0.8	J	4
AIC-MW-02-0702-D	CHLOROMETHANE	0.7	J	2.7
AIC-MW-02-0702-D	ETHYLBENZENE	0.7	J	7,000
AIC-MW-03-0702	ETHYLBENZENE	3		
AIC-MW-02-0702	METHYL TERT-BUTYL ETHER	0.9	J	500
AIC-MW-02-0702-D	METHYL TERT-BUTYL ETHER	0.6	J	
AIC-MW-03-0702	METHYL TERT-BUTYL ETHER	0.3	J	
AIC-MW-01-0702	METHANE	1.1		NA
AIC-MW-03-0702	METHANE	1.1		
AIC-MW-04-0702	METHANE	0.23		
Polynuclear Aromatic Hydrocarbons (µg/L)				
AIC-MW-02-0702	1-METHYLNAPHTHALENE	2	J	200
AIC-MW-02-0702-D	1-METHYLNAPHTHALENE	3	J	
AIC-MW-03-0702	1-METHYLNAPHTHALENE	2	J	
AIC-MW-05D-0702	1-METHYLNAPHTHALENE	1		
AIC-MW-02-0702	2-METHYLNAPHTHALENE	2		200
AIC-MW-02-0702-D	2-METHYLNAPHTHALENE	3		
AIC-MW-03-0702	2-METHYLNAPHTHALENE	2		
AIC-MW-05D-0702	2-METHYLNAPHTHALENE	1		
AIC-MW-01-0702	ACENAPHTHENE	0.2	J	200
AIC-MW-02-0702	ACENAPHTHENE	1	J	
AIC-MW-02-0702-D	ACENAPHTHENE	2	J	
AIC-MW-03-0702	ACENAPHTHENE	1		
AIC-MW-05D-0702	ACENAPHTHENE	0.3		
AIC-MW-02-0702	ACENAPHTHYLENE	0.3		2,100
AIC-MW-02-0702-D	ACENAPHTHYLENE	0.4		
AIC-MW-03-0702	ACENAPHTHYLENE	0.4		
AIC-MW-05D-0702	ACENAPHTHYLENE	0.2	J	
AIC-MW-01-0702	FLUORANTHENE	0.1	J	2,800
AIC-MW-02-0702	FLUORANTHENE	0.1	J	
AIC-MW-02-0702-D	FLUORANTHENE	0.1	J	
AIC-MW-01-0702	FLUORENE	0.05	J	2,800
AIC-MW-02-0702	FLUORENE	1	J	
AIC-MW-02-0702-D	FLUORENE	2	J	
AIC-MW-03-0702	FLUORENE	1		
AIC-MW-05D-0702	FLUORENE	0.4		

TABLE 1
GROUNDWATER SAMPLE RESULTS FOR HSTAIC
NAVAL AIR FACILITY
KEY WEST, FLORIDA
PAGE 2 OF 2

Sample ID	Parameter	Result	Qualifier	GCTL for Low Yield/Poor Quality*
AIC-MW-02-0702	NAPHTHALENE	0.7		200
AIC-MW-02-0702-D	NAPHTHALENE	1		
AIC-MW-03-0702	NAPHTHALENE	1		
AIC-MW-05D-0702	NAPHTHALENE	0.2	J	
AIC-MW-02-0702	PHENANTHRENE	0.8		2,100
AIC-MW-02-0702-D	PHENANTHRENE	1		
AIC-MW-03-0702	PHENANTHRENE	1		
AIC-MW-05D-0702	PHENANTHRENE	0.5		
AIC-MW-01-0702	PYRENE	0.1	J	2,100
AIC-MW-02-0702	PYRENE	0.1	J	
AIC-MW-02-0702-D	PYRENE	0.1	J	
AIC-MW-03-0702	PYRENE	0.1	J	
Total Petroleum Hydrocarbons (µg/L)				
AIC-MW-01-0702	TOTAL PETROLEUM HYDROCARBONS	730		50,000
AIC-MW-02-0702	TOTAL PETROLEUM HYDROCARBONS	1500		
AIC-MW-02-0702-D	TOTAL PETROLEUM HYDROCARBONS	1400	J	
AIC-MW-03-0702	TOTAL PETROLEUM HYDROCARBONS	2000		
AIC-MW-04-0702	TOTAL PETROLEUM HYDROCARBONS	250	J	
AIC-MW-05D-0702	TOTAL PETROLEUM HYDROCARBONS	250	J	

*F.A.C. 62-777, Table I

TABLE 2
SOIL SAMPLE RESULTS FOR HSTAIC
NAVAL AIR FACILITY
KEY WEST, FLORIDA

Sample ID	Parameter	Result	Qualifier	Residential SCTL*
Inorganics (mg/kg)				
AIC-SB-10	LEAD	157		400
AIC-SB-15	LEAD	36.8		
AIC-SB-20	LEAD	76.9		
Total Organic Halides (mg/kg)				
AIC-SB-10	TOTAL ORGANIC HALIDES	270		NA
AIC-SB-15	TOTAL ORGANIC HALIDES	220		
AIC-SB-20	TOTAL ORGANIC HALIDES	39		
Polynuclear Aromatic Hydrocarbons (µg/kg)				
AIC-SB-10	BENZO(A)ANTHRACENE	33	J	1,400
AIC-SB-15	BENZO(A)ANTHRACENE	7	J	
AIC-SB-20	BENZO(A)ANTHRACENE	10	J	
AIC-SB-10	BENZO(B)FLUORANTHENE	36	J	1,400
AIC-SB-10	FLUORANTHENE	48	J	1,400
AIC-SB-20	FLUORANTHENE	13	J	
AIC-SB-10	NAPHTHALENE	24	J	40,000
AIC-SB-10	PHENANTHRENE	42	J	2,000,000
AIC-SB-10	PYRENE	39	J	2,200,000
AIC-SB-15	PYRENE	6	J	
AIC-SB-20	PYRENE	12	J	
Total Petroleum Hydrocarbons (mg/kg)				
AIC-SB-10	TOTAL PETROLEUM HYDROCARBONS	130		340

*F.A.C. 62-777, Table II