

N60200.AR.009175
NAS CECIL FIELD
5090.3a

LETTER REGARDING IDENTIFICATION OF PETROLEUM STAINED SOIL DURING
CONSTRUCTION OF HANGAR 915 NAS CECIL FIELD FL
5/1/2013
RESOLUTIONS

May 1, 2013

Mr. Rusty Chandler
Manager, Cecil Airport
Jacksonville Aviation Authority
13365 Aeronautical Circle
Jacksonville, Florida 32221

Reference: CLEAN Contract No. N62470-11-D-8013
Contract Task Order: JM34

Re: Soils in Former Day Tank 1/Area of Hangar 915
Former NAS Cecil Field
Jacksonville, Florida

Mr. Chandler:

Jacksonville Airport Authority (JAA) notified Mr. Art Sanford, representative for the US Navy, regarding some "dark" soils that were discovered during construction of Hangar 915. The email sent by JAA on Tuesday, March 26, 2013, noted the soil appeared to be darker than surrounding soils and the compaction testing technician commented that the soils had a petroleum odor.

Mr. Sanford authorized Resolution Consultants to test the suspected impacted soils, which were determined to be in the area of the former Day Tank 1. On April 2, 2013, two samples were collected from one location (CEF-915-S1) at two depths [0-6 inches below land surface and 6-24 inches below land surface] and were analyzed for select Volatile Organic Compounds [Benzene, Toluene, Ethylbenzene, total Xylenes, and Methyl-Tertyl-Ether-butyl] per United States Environmental Protection Agency Method 8260B, select Polycyclic Aromatic Hydrocarbons per United States Environmental Protection Agency Method 8270B, and Total Recoverable Hydrocarbons per FL-PRO Method, per Florida Department of Environmental Protection's (FDEP's) 62-770, F.A.C, Table B. The samples were collected per FDEP Standard Operating Procedures and were placed on ice and shipped via FedEx to Empirical Laboratories located in Nashville, Tennessee. To prevent delay in construction, JAA excavated the top two feet of these soils after the samples were collected and stockpiled them until the laboratory analysis was conducted. Results from the laboratory analysis show that the two samples collected were either non-detect or less than their respective soil Cleanup Target Levels per FDEP's 62-777, F.A.C. Please see the attached figure and table for the approximate location and associated results for the soil.

Sincerely,

Resolution Consultants,

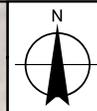

By: Kara F. Wimble
Task Order Manager

Enclosures: Figure — Analytical Data for Area of Day Tank 1
Table — Soil Analytical Data in Area of Day Tank 1

cc: A. Sanford, NAVFAC SE, (CD, electronic)
D. Criswell, NAVFAC SE, (CD, electronic)
D. Grabka, FDEP, (hard copy, electronic)



Figure
Analytical Data for Area of Day Tank 1



Sample Location		CEF-915-S1			
Sample Date		4/2/2013			
Depth		0" to 6" bls		6" to 24" bls	
Analyte	SCTL ¹ Residential (mg/Kg)	SCTL ¹ Industrial (mg/Kg)	SCTL ¹ Leachability Based on Groundwater Criteria (mg/Kg)	Results (mg/Kg)	Results (mg/Kg)
1-METHYLNAPHTHALENE	200	1800	3.1	0.236	0.13
2-METHYLNAPHTHALENE	210	2100	8.5	0.302	0.172
ACENAPHTHENE	2400	20000	2.1	0.00834	0.0044
FLUORENE	2600	33000	160	0.00737	Non-Detect
NAPHTHALENE	55	300	1.2	0.344	0.218
TRPH	460	2700	340	14.5	27.2

SITE 00016

DAY TANK 1

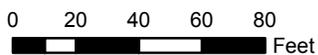
CEF-915-S1

SITE 00057

Legend

 Soil Boring

 Land Use Control Boundary



ANALYTICAL DATA FOR AREA OF DAY TANK 1
FORMER NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA



REQUESTED BY: REQUESTER

DATE: 4/29/2013

DRAWN BY: kburnum

TASK ORDER NUMBER: XXXX

Table
Soil Analytical Data in Area of Day Tank 1



SOIL ANALYTICAL DATA
IN AREA OF DAY TANK 1
FORMER NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Analyte	SCTL ¹ Residential (mg/Kg)	SCTL ¹ Industrial (mg/Kg)	SCTL ¹ Leachability Based on Groundwater Criteria (mg/Kg)	Sample Location	
				Sample Date	
				Depth	
				0" to 6" bls	6" to 24" bls
				Results (mg/Kg)	Results (mg/Kg)
1-METHYLNAPHTHALENE	200	1800	3.1	0.236	0.13
2-METHYLNAPHTHALENE	210	2100	8.5	0.302	0.172
ACENAPHTHENE	2400	20000	2.1	0.00834	0.0044
ACENAPHTHYLENE	1800	20000	27	<0.00353	<0.0036
ANTHRACENE	21000	300000	2500	<0.00353	<0.0036
BENZENE	1.2	1.7	0.007	<0.136	<0.121
BENZO[A]ANTHRACENE	#	#	0.8	<0.00353	<0.0036
BENZO[A]PYRENE	0.1	0.7	8	<0.00353	<0.0036
BENZO[B]FLUORANTHENE	#	#	2.4	<0.00353	<0.0036
BENZO[G,H,I]PERYLENE	2500	52000	32000	<0.00353	<0.0036
BENZO[K]FLUORANTHENE	#	#	24	<0.00353	<0.0036
CHRYSENE	#	#	77	<0.00353	<0.0036
DIBENZ[A,H]ANTHRACENE	#	#	0.7	<0.00353	<0.0036
ETHYLBENZENE	1500	9200	0.6	<0.136	<0.121
FLUORANTHENE	3200	59000	1200	<0.00353	<0.0036
FLUORENE	2600	33000	160	0.00737	<0.0036
INDENO[1,2,3-CD]PYRENE	#	#	6.6	<0.00353	<0.0036
METHYL TERT-BUTYL ETHER	4400	24000	0.09	<0.136	<0.121
NAPHTHALENE	55	300	1.2	0.344	0.218
PHENANTHRENE	2200	36000	250	<0.00353	<0.0036
PYRENE	2400	45000	880	<0.00353	<0.0036
TOLUENE	7500	60000	0.5	<0.136	<0.121
TRPH	460	2700	340	14.5	27.2
XYLENES, TOTAL	130	700	0.2	<0.407	<0.364

Notes:

SCTL¹

TRPH

µg/L

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FDEP Soil Cleanup Target Level as defined by Chapter 62-777, F.A.C., Table II (as amended April 2005)

Total Recoverable Petroleum Hydrocarbons

micrograms per liter

Not detected in excess of laboratory method detection limit

Each concentration must be converted to Benzo(a)pyrene equivalent