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NAS FORT WORTH
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MINUTES FROM BASELINE REALIGNMENT AND CLOSURE TEAM MEETING FROM 13 MAY 1999 NAS FORT WORTH TX
5/13/1999
BRAC TEAM

612 0 File: 17G
P.W.

NAVAL AIR STATION
FORT WORTH JRB
CARSWELL FIELD
TEXAS

ADMINISTRATIVE RECORD
COVER SHEET

AR File Number 612

612 1 File: P.W. 29D 612 ADB

CARSWELL BCT MEETING
May 13, 1999

FPM has prepared **DRAFT** data tables summarizing the preliminary data for the Golf Course Maintenance Yard (AOC 9), the Aerospace Museum Site (AOC 8), the Grounds Maintenance Yard, and the Unnamed Stream Area (IRP site SD-13), which includes the Unnamed Stream (AOC 14), the French Underdrain System/Unnamed Stream (SWMU 64), and the former B 1340 Oil/Water Separator (SWMU 67.

- Golf Course Maintenance Yard (GCMY)

  Soil sampling was performed at the locations shown on the GCMY figure. The purpose of this sampling was to document levels of herbicides at the 10 locations and pesticides at two of the 10 locations (previous ITS analytical data. The results were all non detect indicating that there is no need for any incidental soil removal/interim removal actions for environmental closure.

- Aerospace Museum Site (AMS)

  Soil sampling was performed at the locations shown on the AMS figure. The purpose of this sampling was to fill data requirements for RRS 2 closure at five locations where previous data was deficient. Data indicates that site meets RRS2 standards if the one analyte (Benzo (a) pyrene) detected at one location along with other analytes that are typical of asphalt components is considered to be anthropogenic (small pieces of asphalt were noted in the soil from the borings at this area) and not indicative of a spill or release. Lead levels are acceptable from the SAI and GWP perspective under RRS2. **Go over results table.**

- Unnamed Stream Area (SD-13)

  Soil sampling was performed at the locations shown on the Unnamed Stream area figure. The purpose of this sampling is to fill data requirements for RRS 2 closure at previous sampling locations where data was deficient. The results were evaluated to determine if the site meets RRS 2 criteria for closure and if any incidental soil removal/interim removal actions are necessary to achieve closure and to determine if any soil removal would be necessary during the removal of the limited amount of French Drain System remaining at the site (two section, 20 to 30 feet each). **Go over results table.**

- Grounds Maintenance Yard

  Soil sampling was performed at the locations shown on the GMY figure The purpose of this sampling was to assess "baseline conditions" since the recent takeover of the property by the Navy and the continuation of operations at this site preclude environmental closure, as agreed during the November 1998 BCT meeting **Go over results table.**

Report Format (Suggested)

GCMY – Take out ITS data from the June 1998 closure report, revise text (very limited) and resubmit.

GMY – Add section to WP addendum, revise text, and submit as Baseline Report documenting conditions at the approximate time of property takeover by Navy This will place all relevant data in one report assessing the property conditions.

AMS and Unnamed Stream – Add section to WP addendum, revise text, and submit as Closure Reports. This has the advantage of having a summary of the previous data present in the document with the followup work in the next section completing the data set needed to evaluate against the Risk Reduction Rules.

DRAFT

TABLE 2-3(d)
SUMMARY OF RESULTS COMPARED TO RRS 2 AT FRENCH UNDERDRAIN SYSTEM

Analytes	RRS2		FRENCH UNDERDRAIN SYSTEM			
			FUS01		FUS02	
Depth	SAI -Res (mg/kg)	GWP-Res (mg/kg)	SAI-Res 6-8 ft	GWP-Res 6-8 ft	SAI-Res 6-8 ft	GWP-Res 6-8 ft
Arsenic	20	5	ND	ND	ND	ND
Barium	9100	200	ND	87	ND	110
Cadmium	140	0.5	ND	ND	ND	ND
n-Nitrosodi-n-propylamine	0 045	0 0012	ND	ND	ND	ND
Hexachlorobenzene	0.26	0.1	ND	ND	ND	ND
Chrysene	65	1.2	ND	ND	ND	ND
Other SVOCs	–	–	ND	ND	ND	ND
VOC's	–	–	ND	ND	ND	ND

GWP-Res soil protective of groundwater standard

SAI-Res soil protective of ingestion inhalation and dermal contact

ND Non Detect

DRAFT

TABLE 2-4(b) - PRELIMINARY DATA
SUMMARY OF AREAS THAT EXCEED RRS 2 AT THE GMV

Analytes	Bkgrd	RRS [1]			TYPE 1 AREAS																																TYPE 2 AREAS			
					OT39015A										OT39007A										OT39023A										OT39014A	OT39005A	OT39015A	OT39028A
		SAI-Ind	GWP-Ind	GW-Ind	SAI-Ind	GWP-Ind	14 ft horizontal				15 ft horizontal				SAI-Ind	GWP-Ind	10 ft horizontal				15 ft horizontal				SAI-Ind	GWP-Ind	10 ft horizontal				13 ft horizontal				GWP-Ind	GWP-Ind	GWP-Ind	GWP-Ind
Depth	(mg/kg)	(mg/kg)	(mg/kg)	(mg/L)	2-4	2-4	North 0-2 ft	South 0-2 ft	East 0-2 ft	West 0-2 ft	North 0-2 ft	South 0-2 ft	East 0-2 ft	West 0-2 ft	2-4	2-4	North 0-2 ft	South 0-2 ft	East 0-2 ft	West 0-2 ft	North 0-2 ft	South 0-2 ft	East 0-2 ft	West 0-2 ft	2-4	2-4	North 0-2 ft	South 0-2 ft	East 0-2 ft	West 0-2 ft	North 0-2 ft	South 0-2 ft	East 0-2 ft	West 0-2 ft	2-4		2-4	2-4
Arsenic	5.85	26	5	(0.05)							ND				ND		ND	ND	NS	ND	ND	NC	ND	ND														
Mercury	0.14	9.6	0.2	(0.002)																					ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
Lead	30.97	1000	15	(0.015)		13 (ND)	21 (ND)	12 (0.011)	19 (0.024)	16 (0.008)	8.8 (ND)	3.6 (0.006)	38 (ND)	4 (ND)																								9.8 (ND)
Nickel	54.8	42000	10	(0.1)																															ND		ND	
4,4-DDE	–	12	0.044	(0.00025)																																		0.14 (ND)
4,4-DDT	–	12	0.044	(0.00025)																																		5.15 (ND)
Hexachlorobenzene	–	1	0.1	(0.0001)																					ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
bis(2-Chloroethyl)ether	–	0.32	0.026	(0.00007)																					ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
n-Nitrosodi-n-propylamine		0.16	0.004	(0.000012)																					ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
Benzo(a)anthracene	–	3.6	0.029	(0.00012)	ND	ND	ND	ND	ND	ND	ND	NC	ND	NC		ND	ND	ND		ND	NC	ND	ND	ND		ND	ND	NC	ND	ND	ND	ND	ND	ND				
Benzo(a)pyrene	–	0.34	0.02	(0.00021)	ND	ND	ND	ND	ND	ND	ND	NC	ND	NC	ND	ND	ND	ND		ND	NC	ND	ND	ND	ND	ND	ND	NC	ND	ND	ND	ND	ND	ND				
Benzo(b)fluoranthene	–	3.4	0.029	(0.00012)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND		ND	NC	ND	ND	ND		ND	ND	NC	ND	ND	ND	ND	ND	ND		NS		
Benzo(k)fluoranthene	–	34	0.33	(0.0013)		NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
Dibenzo(a,h)anthracene	–	0.34	0.0036	(0.0000 2)	ND	ND	NC	ND	ND	ND	ND	ND	NC	ND											ND	ND	ND	ND	ND	ND	ND	ND	ND	NC				
Chrysene	–	340	3.6	(0.0 21)		ND	NC	ND	ND	ND	ND	ND	NC	ND																								
Indeno(1,2,3-cd)pyrene	–	3.4	0.029	(0.00012)	ND	ND	ND	NC	ND	ND	ND	ND	ND	ND		ND	ND	ND		ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND				
bis(2-Ethylhexyl)phthalate	–	65	0.6	(0.0061)		ND	ND	NC	ND	ND	ND	ND	ND	ND																								

(1) TAC Chapter 335 Industrial Solid Waste and Municipal Hazardous Waste Risk Reduction Standards Subchapter S.

GWP-Ind - Well protective of groundwater standard
SAI-Ind - Well protective of ingestion, inhalation and dermal contact
GW - Risk Quantification MSC for residential use

BOLD: Exceeds GWP
NS Not Sampled
NA Not Analyzed

NC Not Detected
– Assumed to be Non Detect
( ) SPLP results

DRAFT

TABLE 2-4(a) - PRELIMINARY DATA
SUMMARY OF AREAS THAT EXCEED RRS 2 AT THE GMY

| Analytes | SW Subgrid | RRS[1] | | | TYPE 1 AREAS | | |

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TABLE 2-4 (a) PRELIMINARY DATA

SUMMARY OF AREAS THAT EXCEED RRS 2 AT THE AHS

Analytes	BW Bckgrd	RRS (1)			TYPE 1 AREAS																									TYPE 2 AREAS		
					OT3841SA											OT3840SA														OT3839SA	OT3814SA	OT3831SA
					SAI-Ind		GWP-Ind	10 ft horizontal				15 ft horizontal				SAI-Ind	GWP-Ind	10 ft horizontal				15 ft horizontal				GWP-Ind	GWP-Ind	GWP-Ind
Depth	(mg/kg)	SAI-Ind (mg/kg)	GWP-Ind (mg/kg)	GW-Ind (ug/L)	0-2 ft	2-4 ft	0-2 ft	North 0-2 ft	South 0-2 ft	East 0-2 ft	West 0-2 ft	North 0-2 ft	South 0-2 ft	East 0-2 ft	West 0-2 ft	0-2 ft	0-2 ft	North 0-2 ft	South 0-2 ft	East 0-2 ft	West 0-2 ft	North 0-2 ft	South 0-2 ft	East 0-2 ft	West 0-2 ft	2-4 ft	2-4 ft	2-4 ft
Lead	30.07	1000	1.5	(15)												7.65	7.65 (7.39)	7.01 (ND)	6.87 (ND)	13.8 (10.8)	21.5 (5.65)	7.01 (ND)	6.68 (5.73)	33.9 (6.58)	23.0 (6.68)			
Hexachlorobenzene	–	1	0.1	(1)			ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)													
bis(2-Chloroethyl)ether	–	0.32	0.026	(0.26)	ND	ND	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)													
n-Nitrosodi-n-propylamine	–	0.16	0.0041	(0.041)			ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)													
Benz(a)anthracene	–	3.4	0.039	(0.39)	3.22	ND	3.22 (ND)	ND (ND)	ND (ND)	1.3 (ND)	0.866 (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)												(ND)	(ND)
Benzo(a)pyrene	–	0.34	0.02	(0.2)	[illegible]	ND	3.36 (ND)	ND (ND)	ND (ND)	0.53 (ND)	3.49 (ND)	0.52 (ND)	ND (ND)	ND (ND)	ND (ND)												(ND)	(ND)
Benzo(b)fluoranthene	–	3.4	0.039	(0.39)	3.09	ND	3.09 (ND)	ND (ND)	ND (ND)	0.44 (ND)	2.23 (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)												(ND)	(ND)
Benzo(k)fluoranthene	–	34	0.39	(3.9)			NA	NA	NA	NA	NA	NA	NA	NA	NA													NA
Dibenz(a,h)anthracene	–	0.34	0.0039	(0.039)	ND	ND	ND (ND)	0.82 (ND)	ND (ND)	ND (ND)	ND (ND)	0.61 (ND)	ND (ND)	ND (ND)	ND (ND)													
Indeno(1,2,3-cd)pyrene	–	3.4	0.039	(0.39)			2.19 (ND)	ND (ND)	ND (ND)	ND (ND)	2.26 (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)													
bis(2-Ethylhexyl)phthalate	–	65	0.5	(5)			ND (2.05)	ND (2.18)	ND (ND)	ND (2.18)	ND (ND)	ND (1.96)	ND (ND)	ND (2.02)	ND (ND)											(ND)		
2,4-Dinitrotoluene	–	4.2	0.042	(0.42)			ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)													
2,6-Dinitrotoluene	–	4.2	0.042	(0.42)			ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)													
3,3-Dichlorobenzidine	–	6.4	0.064	(0.64)			ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)													
Pentachlorophenol	–	14	0.1	(1)			ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)													

(1) TAC, Chapter 335 Industrial Solid Waste and Municipal Hazardous Waste, Risk Reduction Standards Subchapter S

GWP-Ind Soil MSC for Industrial Use Based on Groundwater Protection
SAI-Ind Soil Air and Ingestion Standard for Industrial Use
GW-Ind Groundwater MSC for Industrial Use

BOLD Exceeds GWP or GW
Exceed SAI
NA Not Analyzed

ND Non Detect
– Assumed Non-Detect
( ) SPLP results

DRAFT

undergoing analysis

TABLE 2-3 (C) - PRELIMINARY DATA
SUMMARY OF RESULTS COMPARED TO RRS 2 AT UNNAMED STREAM

Analytes	BW Bckgrd	RRS[1]			TYPE 1 AREAS								TYPE 2 AREAS					
					UN-01		UN-04		UN-05		WP-2		OWS01	OWS02	SD13MW06	SD13MW07	SD1302SB	SD1303SB
		SAI-Res	GWP-Res	GW-Res	SAI-Res	GWP-Res	SAI-Res	GWP-Res	SAI-Res	GWP-Res	SAI-Res	GWP-Res	GWP-Res	GWP-Res	GWP-Res	GWP-Res	GWP-Res	GWP-Res
Depth	(mg/kg)	(mg/kg)	(mg/kg)	(mg/L)	2-4 ft	2-4 ft	2-4 ft	2-4 ft	2-4 ft	0-2 ft	2-4 ft	2-4 ft	2-4 ft	2-4 ft	2-4 ft	2-4 ft	2-4 ft	2-4 ft
Arsenic	5.85	20	5	(0.05)		ND		ND		ND		ND	12	ND	ND	ND	5.1 (ND)	**9.8 (0.0109)**
Barium	233	9100	200	(2.0)		52					100	100						
Cadmium	0.556	140	0.5	(0.005)											ND	ND	ND	ND
n-Nitrosodi-n-propylamine	--	0.045	0.0012	(1.2E-05)	0.035	ND	0.035	ND	0.035	ND								
Hexachlorobenzene	--	0.26	0.1	(.00)	ND	ND	ND	ND	ND	ND								
Chrysene	--	65	1.2	(0.012)						ND								

(1) TAC, Chapter 335 Industrial Solid Waste and Municipal Hazardous Waste and Reduction Standards Subchapter S

GWP-Res soil protective of groundwater standard
SAI-Res soil protective of ingestion inhalation and dermal contact

BOLD Exceeds GWP
ND Not Detect

-- Assumed Non Detected
( ) SPLP results

F A X

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Pages:	8
Re·	Carswell

Dear Gentlemen·

Draft review for discussion on the conference call tomorrow Wednesday which I understand is scheduled for 0900.

Thanks,

Tom

FINAL PAGE

ADMINISTRATIVE RECORD

FINAL PAGE