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MINUTES FROM BASE REALIGNMENT AND CLOSURE CLEANUP TEAM MEETING FROM
12 OCTOBER 1995 NAS FORT WORTH TX
10/12/1995
BRAC TEAM

File: 17G
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**NAVAL AIR STATION
FORT WORTH JRB
CARSWELL FIELD
TEXAS**

**ADMINISTRATIVE RECORD
COVER SHEET**

AR File Number 270

NAS Fort Worth JRB, Carswell Field
Air Force Base Conversion Agency
Base Realignment and Closure Cleanup Team Meeting

MINUTES OF 12 OCTOBER 1995

REGULAR MONTHLY MEETING

A regular monthly meeting of the Air Force Base Conversion Agency (AFBCA) Base Realignment and Closure (BRAC) Cleanup Team (BCT), was held on Thursday, 12 October 1995. The meeting was called to order by Mr Olen Long, AFBCA Installation Management Officer and BRAC Environmental Coordinator (BEC), at 1330 in the AFBCA Conference Room at Naval Air Station (NAS) Fort Worth Joint Reserve Base (JRB), Carswell Field.

IN ATTENDANCE:

Mr Olen Long, AFBCA/OL-H
Ms Cheryle Tyson, AFBCA/OL-H
Ms Randi Audelo, AFBCA/OL-H

Ms Stacy Gent, NAS Fort Worth JRB
Mr Joel Sanders, SOUTHNAVFAC

Mr Charlie Rice, AFCEE/ERB
Mr Sam Taffinder, AFCEE/ERT

Mr Ray Newby, TNRCC/PST
Mr Tim Sewell, TNRCC Region 4
Mr Randy Tarbell, DoD Reg. Exec. Agent

Mr Kevin Gaddis, FBOP

Mr Glenn H. Coffman, Law Environmental
Mr James Eblen, WPI
Mr James Forbes, Law Environmental
Mr Michael Johnson, Jacobs Engineering
Dr Beth Laney, WPI
Ms Sue Max, Law Environmental
Mr Fred Schriefer, Integrated Environmental
Solutions
Mr Fred Sharpe, Law Environmental
Ms Shamaine Chambers King, Informatics Corp
Ms Beth Thompson, Informatics Corp

AGENDA

I. INTRODUCTIONS

II. PURPOSE OF MEETING

III. SPECIAL INTEREST TOPICS

(a) Program review

(b) Action Items

1. TNRCC decision - Site ST-14, industrial hazardous waste or LPST rules
2. Copy of the GeoMarine report for Mr Meyer
3. Mr Meyer's investigation concerning complete dioxin testing
4. Status of dropping SVOCs from list of analytes in the POL tank farm and unnamed stream area
5. Responsibility for TCE plume
6. Program and schedule of Air Force programs for Mr Meyer
7. Mr Long's briefing for proposed projects and five year program
8. Basic closure plan for TNRCC review
9. BRAC Cleanup Plan
10. Unnamed Stream Interim Corrective Measures Work Plan
11. Transfer of Compliance Program
12. Potential NOV letters to interested parties
13. List of USTs to be pulled for the Navy
14. TNRCC response to chlordane issue
15. Mr Flolo's search of construction records for chlordane
16. Search documents for soil and groundwater sample results collected with UST removals
17. Budget for FY96: projects and phases funded
18. Letter from Navy stating who should be on distribution for documents
19. CRA report on the Oil/Water Separator repair for Chief Brooks
20. Well testing for low level radioactive waste removal
21. Navy quarterly long-term plan for AFBCA

(c) Contractors' reports

- (d) Contractor Information Exchange - Mr Robert Bass, P. G., President, Integrated Environmental Solutions
- (e) AFP4 report
- (f) AFCEE update
- (g) Regulators' Concerns
- (h) Navy construction projects
- (i) Navy concerns

IV. OPEN DISCUSSION

V. ADJOURNMENT

SUMMARY OF DISCUSSIONS

- Mr Long explained the purpose of the meeting. He told the participants that funding is delayed for one month, so projects not yet in place are delayed one month.
- Everyone introduced themselves.
- Mr Long explained that TNRCC had performed a Resource Conservation and Reauthorization Act (RCRA) inspection the previous week and that generally the AFBCA was in compliance. Mr Sewell said that there must be some changes in the procedures for the operating log at the Temporary Storage and Disposal (TSD) facility. TNRCC has also requested that the 90 day storage areas that are currently operating be added to the facility's notice of registration as a normal administrative procedure. This includes five 301st Fighter Wing areas, one Navy area, and one Air Force area. Lester Bowers is the new Navy contact for Underground Storage Tanks (USTs).
- Copies of the Installation Restoration Program (IRP) RCRA Facility Investigation and the IRP Basewide Quarterly Ground-Water Monitoring, Vol. 1 and 2 were distributed.
- The GIS system was discussed. It will allow Air Force Plant 4 (AFP4) and NAS Fort Worth JRB to use data collected by each to produce comprehensive reports. It uses the IRPIMS (Installation Restoration Program Information Management System) format. All of the analytical data from all contractors will go into it if it meets QA/QC criteria.
- Mr Long explained that the waste analysis data on the material extracted from the DoD range adjacent to the remote weapons storage area showed that the asbestos is 70%-80% crystalline. He said that they were going to try to recycle the material through the DRMO at Fort Hood. There is a 20'x8'x8' container full and eight fifty-five gallon drums of these starter cartridges. Additionally 48 barrels of brass, injector seat explosives, etc. are being considered by Fort Hood for recycling. Mr Sewell discussed the future classification of the waste (i.e., solid waste, RCRA waste, hazardous waste) and asked to be kept informed. He asked that documentation be submitted to explain why the waste is not being considered RCRA waste.
- Mr Joel Sanders, Mr Long and Mr Sewell discussed the Navy construction project over landfill #1. Mr Long suggested that the project be flipped on its axis so that the construction would occur on an area that is not potentially impacted by the landfill. The Navy is going to do a study for information purposes.

ACTION ITEMS FROM LAST MEETING

1. Mr Newby stated that ST14 (the POL Tank Farms and fueling ramps and the plume coming off the southeast) is going to be handled under LPST regulations with the portion further down gradient (the unnamed stream and the abandoned service station) under RCRA. (Closed)
2. The GeoMarine report was copied and sent to Geoff Meyer. (Closed)
3. Geoff Meyer has not given guidance on the dioxin testing issue. (Open)
4. The Semi-Volatile Organic Compounds (SVOCs) will remain a required test unless Mr Meyer's position changes. (Open)
5. A map of all data collected on the TCE plumes will be available at the end of January. (Open)
6. AFBCA sent the '96 Program spreadsheet to Meyer and Sewell, and will provide them with a monthly report at the BCT meetings. (Closed)
7. Mr Long will brief the program through 2013 at the next BCT meeting. (Open)
8. AFBCA has provided Mr Meyer with a base cleanup plan through 2013 for review. (Closed).
9. The BRAC Cleanup Plan (BCP) is in draft and has not been reviewed. (Open)

10. The Recommendations section of the IRP RCRA Facility Investigation, done by Law, will be suitable for Mr Meyer as an Interim Corrective Measures Work Plan if it is renamed. (Open)
11. A RCRA facility investigation has occurred. (Open)
12. AFBCA has sent responses to the potential NOV letters. TNRCC had yet to receive those. AFBCA has developed a schedule of reports to deliver to TNRCC. (Open)
13. Mr Alan Flolo provided copies of the USTs to be pulled to the Navy. (Closed)
14. AFBCA and the Bureau of Prisons are waiting for a response from Mr Meyer on the chlordane issue. (Open)
15. The records have been destroyed. (Closed)
16. Elliot Smith, AFBCA, is assigned to search Corps documents for soil and groundwater data collected during removal of USTs. He will contact Ray Newby for instructions. (Open)
17. All projects are funded and ready to go. (Closed)
18. A letter was received from the Navy stating their distribution needs for documents and BCT materials. These will be distributed accordingly. (Closed)
19. Mr Long will contact Don Anderson to get the oil/water separator report for Chief Brooks. (Open)
20. Sampling of the three wells in the low level radioactive waste removal will take place around 16 October. (Open)
21. Mr Sanders will provide Mr Long with a list of Navy construction projects. (Closed)

CONTRACTOR INFORMATION EXCHANGE

Mr Robert Bass, P. G., President, Integrated Environmental Solutions.

Mr Bass presented information concerning an accelerated air sparging technique called Quick Purge (patent pending).

CONTRACTOR PRESENTATIONS

1. Law Environmental, Fred Sharpe

RCRA Facility Investigation (RFI) for POL Tank Farm and Unnamed Stream

- Status - Final RFI Report submitted to AFCEE 6 Oct 95.
- Findings
 - POL Tank Farm - Groundwater screening indicated underground piping in the Pipeline/Truck Loading Area is probable source of petroleum constituents (down-gradient BTEX).
 - Unnamed Stream Area - Pb (11-36 mg/Kg) and TPH (90-440 mg/Kg) detected in surface soils
 - Metals and PCE (ND-9.1 ug/L) in groundwater - free petroleum product in one MW (SD13-04)

Mr Ray Newby asked if the suspected underground piping in the POL Tank Farm area had been investigated to determine the source of the leaks. The ordnance team used their detectors to search the area, but no UST or any other significant metal was found. Mr Long indicated that they determined that it was not leaking pipe when they replaced the floors of two small USTs and the free product disappeared. The burms around the tank are being upgraded. This includes monitoring equipment.

- Recommendations
 - Basewide background study (to include sediment samples from Farmers Branch)
 - Additional investigation to better define extent of contamination
 - Continued study of POL Tank Farm and possible closure under LPST rules

Unilateral Ordering Procedure

- Site Investigation/Site Characterization - Aerospace Museum and Grounds Maintenance Yard Sites
Status - Submitted Final Scoping documents on 11 Sept 95
- Additional Site Characterization/Risk Assessment - Fire Training Area
Status - Developing Report, based on review of existing information, due October 95

Base-wide Quarterly Groundwater Monitoring

- Status
 - Draft of First Semiannual Report issued to AFCEE 4 Oct 95
 - Next Sampling event scheduled to start 16 Oct 95
- Objectives

- Determine configuration of potentiometric surface
- Assess variations of ground-water flow directions
- Assess extent of constituents of concern
- Includes 70 existing monitoring wells (MW-10 not collected in 1st quarter due to presence of free product)
- Analyzed for volatiles, semi-volatiles, total metals, and pesticides/PCBs (1 sample)
- 1st event in April 95 (3 wells with free product sampled 31 May 95, total 69 samples), 2nd event in July 95 (70 samples)
- Findings (Sue Max)
 - Groundwater flow generally west to east
 - Groundwater elevations
 - 1st quarter - 533.81' (MW-11) to 622.83' (P6A)
 - 2nd quarter - 532.55' (MW-11) to 621.39' (P6A)
 - No base-wide chemical trends apparent
 - Detected TCE in vicinity of Landfills 4 & 5 (max. 2,200 ug/L) and east of North Apron 160 (max. 760 ug/L)
 - Detected BTEX in area of POL Tank Farm (max. 180 ug/L), Base Service Station (max. 33,000 ug/L), and Building 1628 (max. 26,000 ug/L)
 - Free product (trace to 1 1/2")
 - 1st quarter LSA 1628-1&2, BSSB, MW-10, MW-11
 - 2nd quarter SD13-07, LSA 1628-1&2
 - Other Compounds Detected

	Max. Detected (ug/L)	ARAR (ug/L)	Frequency (out of 139)
Arsenic	72	50	1
Barium			
Beryllium	5,600	4	5
Bromine			
Chromium	340	100	4
Cadmium			
Nickel	3,500	100	8
Hexachlorocyclopentadiene			
Methylene chloride	350	5	32
Styrene			
Tetrachloroethene	14	5	5
Vinyl Chloride			
bis(2-Ethylhexyl)phthalate	2,300	20	2

- Recommendations
 - Complete survey data
 - Additional data to determine base-wide trends
 - basewide background study

Mr Newby asked about additional monitoring wells to fill in data gaps. Mr Rice responded that additional wells were needed and that work was occurring at both Carswell and AFP4 to collect additional data. He explained the GIS system that will enable Carswell to add their data to AFP4's and produce the necessary maps. A contract is in place to monitor the upper end of the base service station.

2. Air Force Center for Environmental Excellence, Sam Taffinder, Risk Based Approach for ST14A & 14B, Carswell Air Station, TX (sic)

- Conclusions of Remedial Action Plan [will be submitted to the AF 18 Nov 95]:
 - Separate BTEX sources and separate BTEX groundwater plumes exist on Sites ST14 and SD13
 - Only benzene is present in the groundwater at levels that exceed the most conservative TNRCC Plan A concentrations (110 ppb vs. 29 ppb)

- Based on site specific risk analysis there are no currently completed pathways or ecological receptors. A potential pathway does exist for benzene from site SD13 to enter the unnamed stream
 - Contaminated soils at Site ST14 do not exceed TNRCC health-based Plan A target concentrations. However, source removal is planned to reduce the amount of benzene leaching into the groundwater.
 - Bioventing pilot tests at both Carswell and AFP4 have proven the ability of this technology to rapidly reduce the residual BTEX concentrations.
 - Without source removal, about 12 years will be required for natural processes to reduce benzene concentrations to applicable TNRCC Plan A target concentrations.
 - Bioventing and biosparging at Site ST14A and SD13 can reduce the total time needed for the natural Attenuation of groundwater to about 6 years.
- Recommendations:
 - A combination of bioventing and biosparging are planned in the source areas at sites ST14A and SD13 to remove concentrated levels of benzene and soil and groundwater
 - Low concentrations of benzene that remain in the groundwater will be reduced by the natural attenuation process.
 - Eight years of annual groundwater monitoring are proposed to verify that the combination of engineered source removal and intrinsic remediation will achieve target clean-up goals
 - Proposed remedial alternative also includes a more complete survey of information on the french drain.
 - If needed, a tracer study to determine the effectiveness of the drain in intercepting benzene contaminated groundwater from site SD13.
 - The proposed remedial alternative recommends continued institutional controls over site ST14 to insure that it remains an industrial area for at least the next six years.
 - Finally, current land and groundwater use controls need to remain in effect at the SD13 area for the next three years.
3. Jacobs Engineering, Mike Johnson
- Golf Course Maintenance Area (DO3)
 - Sampling, investigation, and potential remediation of Golf Course Maintenance Area
 - Removal of 10 USTs
 - UST upgrades
 - Planning documents will be produced by the end of October for AF review
 - Tentative start date: 6 January 1996
 - Sampling AFP4 Wells
 - includes flight line wells on NAS Fort Worth JRB side along the parallel and into Landfill 4 and 5
 - Data will be available in IRPIMS form by mid January

OPEN ITEMS AND ACTION ITEMS

1. The Navy will provide AFBCA with long-term construction plans on a quarterly basis.
2. AFBCA will complete the forms for the 90 day storage facility necessary to be in compliance with RCRA.
3. AFBCA will produce a book for the 1996-2013 program for Stacy Gent. This will include the 1391 forms and RACER summary sheets. AFBCA will update this book as changes occur.
4. Charlie Rice, AFCEE, will arrange to have a demonstration of the GIS system for those BCT members who are interested.
5. Mr Sewell requested that AFBCA contact him with information when they receive information about the cartridges and other materials being investigated for recycling at Fort Hood. He wants to be updated about the status of the waste. He asked that documentation explaining why it is not being considered RCRA waste be submitted.
6. Mr Long will give a spare copy of the Geomarine Report, if one is available, to Joel Sanders.
7. TNRCC has not received responses to the potential NOV letters. AFBCA has developed a schedule of reports to deliver to TNRCC.

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8. Potential NOV letters need to be sent to Navy and other interested parties.
9. Transfer of Compliance Program
10. Basewide Baseline Study
11. Base Realignment and Closure (BRAC) Cleanup Plan (BCP)
12. Mr Meyer will report about his investigation into complete dioxin testing.
13. Mr Meyer will give AFBCA guidance about if SVOC testing will be required.
14. Responsibility for TCE Plume: A map of all data collected on the TCE plumes will be available by the end of January.
15. Mr Long will brief proposed projects and the five year program at the next BCT meeting.
16. The IRP RCRA Facility Investigation could be renamed to serve as the Unnamed Stream Interim Corrective Measures Work Plan for TNRCC.
17. Mr Meyer will do research into the rules applying to chlordane and give AFBCA guidance.
18. Mr Elliot Smith will search Corps documents for soil and groundwater data collected during removal of USTs. He will contact Mr Newby for instructions.
19. Mr Long will contact Don Anderson to provide a report to Chief Brooks about the Oil/Water Separator repairs that the Carswell Redevelopment Authority (CRA) performed.
20. Well sampling of the three wells in the low level radioactive waste removal area will take place mid-October.

TABLED ITEMS

None

ADJOURNMENT

The meeting was adjourned at 1600.

The next BCT meeting will be held on 14 December at 1330 in the AFBCA conference room, NAS Fort Worth JRB, Carswell Field.



OLEN LONG, GM-13
Chairperson

A verbatim transcript of this meeting was prepared and is available in the AFBCA/OL-H office.

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