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NAS FORT WORTH
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TECHNICAL MEMORANDUM FOR PRODUCT REMOVAL AT SITE ST14/SD13 WELLS NAS
FORT WORTH TX
5/18/1997
CH2M HILL



**NAVAL AIR STATION
FORT WORTH JRB
CARSWELL FIELD
TEXAS**

**ADMINISTRATIVE RECORD
COVER SHEET**

AR File Number 573

TECHNICAL MEMORANDUM**CH2M HILL****Product Removal at Site ST14/SD13 Wells
NAS Fort Worth JRB, Carswell Field, Texas**

PREPARED FOR: Joseph Dunkle/AFCEE COR

PREPARED BY: CH2M HILL

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DATE: May 18, 1997

The third of six monthly free-product removal events took place on May 1, 1997. Three wells (SD13-04, SD13-07 and 17M) were observed to contain product during the first quarter 1997 base-wide quarterly groundwater sampling at Carswell NAS JRB. Product thicknesses have decreased to below 0.01 feet at wells SD13-04 and 17M, and they have been removed from the product removal list.

Product thickness was measured by lowering an ORS oil/water interface probe into the well and measuring the depth to product and the depth to water. If product was identified in the well, a skimming sock was lowered to just below the approximate depth of the bottom of product. The skimming sock was left in place for five minutes to allow the product to be absorbed. The sock then was retrieved from the well and placed in a 55-gallon DOT-approved FRP drum provided by the Hazardous Waste Department at NAS Fort Worth.

Product thickness in the well was re-checked after retrieval of the sock. If the product thickness exceeded 0.001 feet (the practical quantitation limit for the interface probe), a new skimming sock was to be lowered into the well to absorb any remaining product. None of the three wells required more than one absorbent sock during the March removal action. The 55-gallon drum was transported by NAS to a staging area specified by the Hazardous Waste Department, who will dispose of the drum and contents.

Well SD13-07

An OVM reading of 120 ppm was recorded at the top of the casing. The well contained 0.02 feet of product, which was observed to be amber in color with a strong odor when the absorbent sock was removed and examined. The well was checked again with the interface probe, and no product remained in the well after sock removal.

Product Monitoring & Removal Summary Monitoring Wells 17M, SD13-07, SD13-04 NAS Fort Worth JRB, Carswell Field, Texas Feb-Mar 1997			
Well	Date	OVM Reading (PPM)	Product Thickness (ft.)
17M	2/27/97	197	0.02
	3/31/97	388	None Measured
SD 13-07	2/27/97	856	0.01
	3/31/97	140	0.05
	5/1/97	120	0.02
SD13-04	2/27/97	437	0.02
	3/31/97	35	0.01

Note: During 2nd Quarter 1997 groundwater sampling, wells SD13-04 and 17M were observed to have less than 0.01 feet of product, and therefore no product removal was conducted on 5/1/97 at these wells.



DEPARTMENT OF THE AIR FORCE
HEADQUARTERS AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE
BROOKS AIR FORCE BASE TEXAS

21 August 1997

MEMORANDUM FOR MARK WEEGAR (TNRCC)

FROM: HQ AFCEE/ERD
3207 North Road
Brooks AFB, TX 78235

SUBJECT: Naval Air Station Joint Reserve Base
Formerly Carswell AFB
TNRCC Solid Waste Registration No. 65004
EPA ID No. TX0571924042
Free-Product Removal

Dear Mr. Weegar,

This letter conveys the results of the last four monthly free-product monitoring events at NAS Ft. Worth JRB. Free-product levels were examined and removed from several wells in the vicinity of SWMU 67 at the request of Mr. Geoffrey Meyer, TNRCC I&HW. AFCEE agreed to monitor and remove any free-product found in wells in the area of SWMU 67 for a period of six months, at which point AFCEE would recommend further action to TNRCC.

The last six months of monitoring have shown that minimal amounts of free-product exist in wells in the vicinity of SWMU 67. No significant accumulation (over 0.01 feet) has occurred in any monthly period. Therefore AFCEE's recommendation is that these wells be monitored on a quarterly basis coincident with the Groundwater Sampling and Analysis Program. AFCEE will implement further monitoring and free-product removal on a quarterly basis beginning in October unless otherwise notified by your office.

Should you have any questions regarding this letter, please contact me at (210) 536-5290.



Sincerely,



Joseph R. Dunkle
Remedial Program Manager
NAS Ft. Worth JRB

cc:

EPA Region VI (Mr. Casanova)
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Dallas TX 75202-2733

TNRCC Region 4 (Mr. Sewell)
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Duncanville TX 75116

AFBCA/OL-H (Mr. Long)
6550 White Settlement Road
Fort Worth TX 76114

AFCEE/ERB (Mr. Rice)
3207 North Road
Brooks AFB TX 78235

NAS Ft. Worth JRB (Cmdr LeMonde)
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