

N50092.AR.000259
JEB FORT STORY, VA
5090.3a

MEMORANDUM DISCUSSING PROBLEMS DEVELOPING AT UNDERGROUND STORAGE
TANK 600 BLOCK FORT STORY VA
12/3/1992
DEPARTMENT OF THE ARMY

December 3, 1992

MEMORANDUM THRU Chief, Construction Branch

FOR: Chuck Kight

SUBJECT: Underground Storage Tank Removal 600 Block, Fort Story, Virginia, Contract Number: DACA45-92-C-0048

1. Two additional problems have developed at the job site:

(a) In preparation to dispose of the tank contents, the contractor had to test the contents before his disposal site would accept them. The contents (sludge) is stored in a tanker truck on site. Please reference the attached Tanker Sample Report, which shows benzene at 13.5 ppm. This is above the allowable limit of benzene and the contractor is stating that the contents of this tanker must now be classified as "hazardous". He is on record as stating his costs will be increased to dispose of the contents and to decontaminate the tanker. He is absorbing standby costs on the tanker at this time. The sample reports in the contract do not indicate a presence of benzene.

(b) Reference Mr. Eric Arndt's memo dated 17 July 1992, before the NTP was issued, asking for guidance concerning groundwater. Omaha District responded that groundwater was not a problem. During the "over excavation" of Tank 646 (to remove contaminated soil, 3450 ppm), groundwater was encountered in the tank grave. It has an oil sheen on the surface and there is a strong oil odor. There are no provisions in the contract to handle this problem. The contractor has been instructed to leave this grave and stockpiled soil alone until further notice. The grave (pit) is barricaded for safety.

2. Request Omaha District provide solutions to the problems discussed above. If contract modifications will be required, we will need a scope of work, cost estimate and of course the funds to accomplish the work.

3. Answers must be provided as soon as possible to minimize impact costs. The contractor was planning to be completely finished by 24 December 1992, including demobilization. He will start hauling off the required 425 CY of contaminated soil on 7 December 1992. 26 of the 27 tanks have been removed and decontaminated (as you are aware, Tank 632 was not found and presumably previously removed).

4. If you have any questions, or need further clarification, please contact Mr. Mark Hudson at the Fort Story Project Office (422-7452, or 870-5992 cellular).

FOR THE COMMANDER:

DONALD W. DOW, JR.
Area Engineer

Total Petroleum Hydrocarbons: EPA Method 418.1, Infra-red spectrophotometry

<u>ETS ID#</u>	<u>Sample ID</u>	<u>Results</u>	<u>Det. Limit</u>	<u>Units</u>	<u>Date/ Time Collected</u>	<u>Date/ Time Analyzed</u>	<u>Analyst</u>
24451	616E	70	3	mg/kg	11-18-92/11:40	11-21-92/12:00	CB/DA
24452	616C	76	3	mg/kg	11-18-92/11:42	11-21-92/12:00	CB/DA
24453	616W	74	3	mg/kg	11-18-92/11:45	11-21-92/12:00	CB/DA
24454	616WD	72	3	mg/kg	11-18-92/11:46	11-21-92/12:00	CB/DA
24455	616P	70	3	mg/kg	11-18-92/11:55	11-21-92/12:00	CB/DA
24456	616B	64	3	mg/kg	11-18-92/11:58	11-21-92/12:00	CB/DA
24457	615E	97	3	mg/kg	11-18-92/12:04	11-21-92/12:00	CB/DA
24458	615C	44	3	mg/kg	11-18-92/12:06	11-21-92/12:00	CB/DA
24459	615W	76	3	mg/kg	11-18-92/12:08	11-21-92/12:00	CB/DA
24460	615P	77	3	mg/kg	11-18-92/12:15	11-21-92/12:00	CB/DA

Sample ID: Tanker
Sample site: Tanker Block 600 Ft. Story
ETS ID: #24450

<u>Analysis</u>	<u>Method</u>	<u>Results</u>	<u>Det. Limit</u>	<u>Units</u>	<u>Date/ Time Analyzed</u>	<u>Analyst</u>
Benzene	8020; GC/PID	13500	1	ug/l	11-19-92/14:00	PK
Nickel	3050/6010	U	0.005	mg/kg	11-23-92/11:00	MS
Lead	3050/6010	U	0.02	mg/kg	11-23-92/11:00	MS
Cadmium	3050/6010	U	0.009	mg/kg	11-23-92/11:00	MS
Zinc	3050/6010	U	0.09	mg/kg	11-23-92/11:00	MS
Total Halogens	9020, mod.	206	1	mg Cl/l	11-20-92/16:00	JK

U = Not detected above quantitation limit


Geoffrey C. Hinshelwood
Laboratory Manager

The information presented in the report represents the laboratory analyses performed on the samples provided to Environmental Testing Services, Inc. in accordance with the test methods requested and described above. Environmental Testing Services, Inc. is not responsible for any use of this information by its clients and shall not reveal these results to any person or entity without written authorization from its client. Any liability on the part of Environmental Testing Services, Inc. shall not exceed the sum paid by the client to Environmental Testing Services, Inc.

Enclosure

CF: Project Mgr/Hudson

Hudson

Contracts

Reading File

M-????--Nan please get a M #. Code C-7, \$40,000, 15 days, Groundwater/Benzene

DEH/Environmental Branch/Vandervort

Fax to Norfolk District ✓

Suspense: 7 Dec. 92