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NSA PANAMA CITY
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TECHNICAL MEMORANDUM REGARDING PATH FORWARD FOR TANK CLOSURE
ASSESSMENT AT BUILDING 98 AT NSA PANAMA CITY FL
6/1/2012
TETRA TECH INC



To: Project Team
From: Larry Smith, John Schoolfield
Subject: **Building 98 Tank Closure Assessment**
Date: June 2012

Overview:

- Possible contamination from the presence of a 1,000 gallon UST containing diesel fuel which was removed in 1991.
- The tank closure report showed high FID readings at side wall samples SS-3, SS-4 and SS-5.
- A proper tank closure was not submitted, but site is listed as an NFA in the permit.
- Groundwater for this site is address under the AOC-1 program.

Goal: Close the Site per FDEP regulations with possible SAR/SRCR.

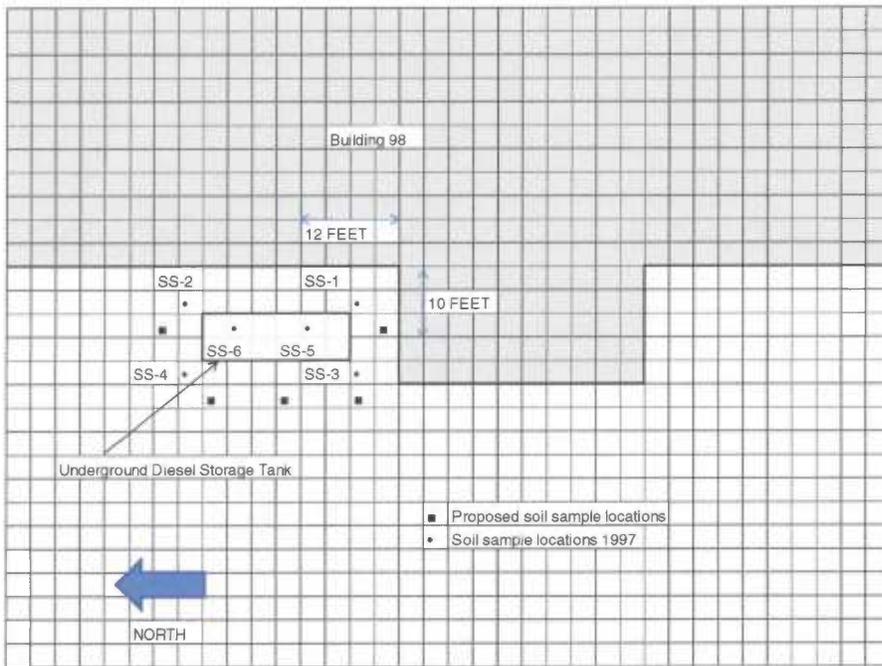
Path forward: Review soil data developed from the last investigation and determine what needs to be done.

History Building 98 is located in a developed area at the eastern side of the facility. The site includes a large asphalt paved parking lot surrounded by offices, storage, warehouse buildings, and a lay down storage compound. The site is encompassed within the groundwater Land Use Control (LUC) boundaries of another site, AOC-1. AOC-1 was investigated previously under the Resource Conservation and Recovery Act (RCRA) program and the FDEP petroleum program.

Building 98 included a 560 gallon underground storage tank (UST) containing diesel heating oil used for provide heating for the building. The tank was removed on 8 August 1997, as detailed in the document Closure Assessment Report underground Storage Tank Building 98 NSWC CSS Panama City, Florida (Dec, 1997). At this time, contaminated soil was encountered and removed based on the head space screening techniques (62-770 FAC). Contaminated soil was removed horizontally and vertically until hydrocarbon levels in the surrounding soil were less than 50 parts per million (ppm), resulting in approximately 2 cubic yards of soil being removed.

The tank pit was eight feet wide, ten feet long and five feet deep. A temporary well was installed and sampled for volatiles by EPA Method 8260, semi-volatiles by EPA Method 8270, Lead by EPA Method 239.2 and Ethylene Dibromide by EPA Method 504. The laboratory analytical report indicated that groundwater was contaminated with petroleum hydrocarbons.

The groundwater at this location is immediately down gradient of former fire training area, AOC-1, and is administered under the AOC-1 Groundwater Operable Unit. Administrative controls include a land use control program for the ground water along with long term groundwater monitoring. Therefore, the groundwater for this site is address under the AOC-1 program.



DRAWN BY:	DATE:	 <p style="text-align: center;"> PROPOSED SOIL SAMPLE LOCATIONS FOR SITE 98 WORK PLAN FOR SITES 98, 325, AOC2 AND SOUTH DOCK NSA PANAMA CITY PANAMA CITY BEACH, FLORIDA </p>	CONTRACT NO:	
CHECKED BY:	DATE:		OWNER NO.	
REVIEWED BY:	DATE:		APPROVED BY: DATE:	
			DRAWING NO. FIGURE 4	REV. 0

