

N60200.AR.002810  
NAS CECIL FIELD, FL  
5090.3a

PHASE 6 SAMPLING AND ANALYSIS WORK PLAN FOR FORMER RAILROAD BED  
BUILDING 635 LOADING DOCK AREA NAS CECIL FIELD FL  
1/22/2001  
TETRA TECH NUS INC

**Phase VI Sampling and Analysis Work Plan  
Former Railroad Bed - Building 635 Loading Dock Area  
Naval Air Station Cecil Field  
Jacksonville, Florida**

**January 22, 2001**

Additional sampling and analysis of surface soils is proposed for Building 635 (loading dock in Yellow Water Weapons Area) as shown in Figure A. During this investigation, 5 surface and 3 subsurface soil samples will be collected along the former railroad bed associated with Building 635. Approximate locations are identified on Figure 1 and described in Table 1.

The sampling activities and procedures described in this work plan will be performed in accordance with the U.S. EPA Region 4 Environmental Investigation Standard Operating Procedures and Quality Assurance Manual (EISOPQAM) and the Base-Wide Generic Work Plan for Naval Air Station (NAS) Cecil Field. Specifically, the Base-Wide Generic Work Plan includes procedures for management of investigation-derived wastes in Volume I and standard operating procedures in the Project Operations Plan in Volume II.

The surface soil samples will be collected as grab samples using plastic, disposable trowels. As required, the subsurface soil samples will be collected using a hand auger with decontamination in accordance with the Base-Wide Generic Work Plan and the EISOPQAM. The proposed soil sample locations shall be marked with a wooden stake or pin flag labeled with the sample identification and subsequently located by a registered land surveyor. The sampling crew will work with the survey crew to establish the best procedures to limit the time between the marking of the location and collecting the sample.

Personnel protection equipment and other waste trash (e.g. disposable trowels) will not be considered hazardous and will be disposed in a municipal landfill. Such trash will be collected in a plastic bag and disposed in a suitable trash receptacle. Removed soil from the surface soil sampling in excess of sampling volume requirements will be placed back on the ground and the turf replaced or repaired.

Sampling handling requirements, the bottleware required, preservation, and holding time requirements for the analysis proposed for this sampling event are as identified in the following table:

<b>Analysis</b>	<b>Analytical Method</b>	<b>Bottleware</b>	<b>Preservation</b>	<b>Holding Time<sup>(1)</sup></b>
PAHs	SW-846 8310	8-oz. glass jar	Cool to 4°C	14 days to extraction; 40 days to analysis
TRPH	Florida PRO	8-oz. glass jar	Cool to 4°C	14 days to analysis

(1) Holding times are measured from the date/time of sample collection.

**Analytical results will be reported on a 14-day turn around basis.**

The laboratory contracted to do this work is as follows:

ACCUTEST SOUTHEAST  
4405 Vineland Road, Suite C-15  
Orlando, Florida 32881 •  
Attention: Linda Williams  
(407) 425-6700  
Fax: (407) 425-0707

As agreed upon by the BCT, the collection of rinsate and trip blanks has been eliminated at NAS Cecil Field. In addition, field blanks will not be collected during this sampling program because there will be minimal decontamination of sampling equipment. In accordance with these changes, the following table summarizes the frequency and type of field Quality Assurance/Quality Control (QA/QC) samples to be collected for this sampling program.

Type of Samples	Frequency	Samples to be Collected
Field Duplicate	1/10 sample/matrix	1
Lab MS/MSD	1/20 samples/matrix	1 <sup>(1)</sup>

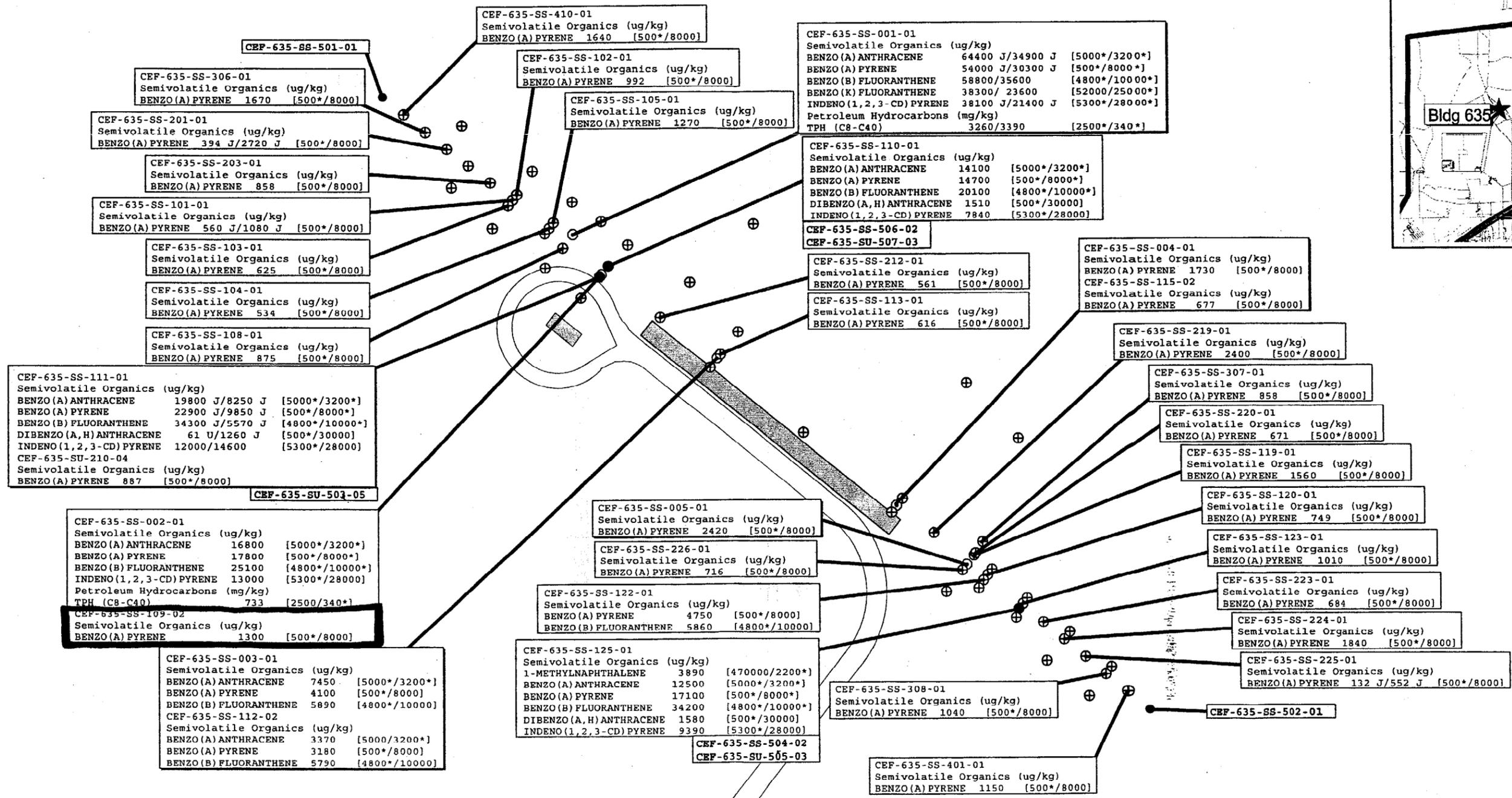
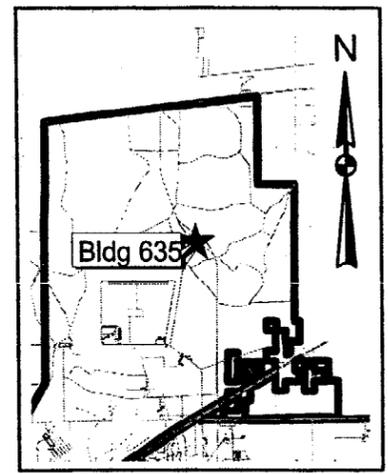
(1) MS/MSD is a laboratory QA/QC requirement, separate samples not required, only additional volume (2x).

As agreed upon by the BCT, formal data validation has been eliminated from the installation restoration program at NAS Cecil Field. However, the analytical data packages generated by the analytical laboratory will be reviewed by Tetra Tech NUS personnel to eliminate false positives and false negative results.

Table 1

**Phase VI Sampling and Analysis  
Former Railroad Bed – Building 635 Loading Dock Area**

Sample ID CEF-635-	Location	Analysis	
		PAHs	TRPH
SS-501-01	Approximately 30 feet northwest of CEF-635-SS-410-01 along the centerline of the former railroad siding (0 – 1')	X	
SS-502-01	Approximately 30 feet southeast of CEF-635-SS-401-01 along the centerline of the former railroad siding (0 – 1')	X	
SU-503-05	At the CEF-635-SS-111-01/SU-210-04 location (4 – 5')	X	
SS-504-02	At the CEF-635-SS-125-01 location (1 – 2')	X	
SU-505-03	At the CEF-635-SS-125-01/SS-504-02 location (2 – 3')	X	
SS-506-02	At the CEF-635-SS-110-01 location ( <del>0 – 1'</del> 1 – 2')	X	
SU-507-03	At the CEF-635-SS-110-01/SS-506-02 location (2 – 3')	X	
SS-109-02	At CEF-635-SS-002-01/SS-109-02 location (1 – 2') (A sample for TRPH analysis was not collected at this location during Phase II sampling activities.)		X



**Legend**

- ⊕ Surface Soil Sample
- ⊙ Surface and Subsurface Soil Sample
- ▭ Buildings
- ⊗ Excavation Area

Sample ID	Fraction (ug/kg)	FDEP Industrial SCTL	FDEP Leachability SCTL	Detection Concentration Parameter
CEF-635-SS-001-01	500	1000	2000	500

DRAWN BY MJJ	DATE 20Dec00
CHECKED BY	DATE
COST/SCHED-AREA	
SCALE AS NOTED	

**CONTAMINANTS EXCEEDING FDEP CRITERIA**  
**FORMER RAILROAD BED - BUILDING 635**  
**NAVAL AIR STATION CECIL FIELD**  
**JACKSONVILLE, FLORIDA**

CONTRACT NO. 0039	
APPROVED BY	DATE
APPROVED BY	DATE
DRAWING NO. FIGURE 1	REV. 0



02684012