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NAS CECIL FIELD, FL  
5090.3a

PHASE 5 SAMPLING AND ANALYSIS WORK PLAN FOR FORMER RAILROAD BED  
BUILDING 635 LOADING DOCK AREA NAS CECIL FIELD FL  
11/3/2000  
TETRA TECH NUS INC

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

**November 3, 2000**

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, 10 surface soil samples will be collected along the former railroad bed associated with Building 635. Approximate locations are identified on Figure A1 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. 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

(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 V Sampling and Analysis**  
**Former Railroad Bed – Building 635 Loading Dock Area**

Sample ID CEF-635-	Location	Analysis
		PAHs
SS-401-01	Approximately 30 feet southeast of CEF-635-SS-308-01 along the centerline of the former railroad siding (0 – 1')	X
SS-402-01	Approximately 30 feet southwest of CEF-635-SS-308-01 and 60 feet southeast of SS-401-01 (0 – 1')	X
SS-403-01	Approximately 10 feet northeast of CEF-635-SS-308-01 on the northern boundary of the former railroad siding (0 – 1')	X
SS-404-01	Approximately 30 feet southwest of CEF-635-SS-224-01 and 60 feet southeast of SS-222-01 (0 – 1')	X
SS-405-01	Approximately 10 feet northeast of CEF-635-SS-224-01 on the northern boundary of the former railroad siding (0 – 1')	X
SS-406-01	Approximately 30 feet southwest of CEF-635-SS-226-01 (0 – 1') **This sample is to be collected in an area <i>without</i> standing water. Collection of this sample is to be delayed if standing water is present.	X
SS-407-01	Approximately 50 feet northeast of CEF-635-SS-212-01 and approximately 75 feet northwest of SS-213-01	X
SS-408-01	Approximately 30 feet southwest of CEF-635-SS-202-01 and approximately 90 feet northwest of SS-206-01(0 – 1')	X
SS-409-01	Approximately 30 feet northeast of CEF-635-SS-201-01 and 90 feet northwest of SS-204-01 (0 – 1')	X
SS-410-01	Approximately 30 feet northwest of CEF-635-SS-306-01 along the centerline of the former railroad siding (0 – 1')	X
SS-307-01*	Approximately 15 feet northeast of CEF-635-SS-220-01 location (0 - 1') **This sample is to be collected in an area <i>without</i> standing water. Collection of this sample is to be delayed if standing water is present.	X

\* Proposed Phase IV sample not collected due to standing water.

