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NAS CECIL FIELD, FL
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PHASE 3 SOIL SAMPLING AND ANALYSIS WORK PLAN FOR BUILDING 30 COMMISSARY
NAS CECIL FIELD FL
2/2/2000
TETRA TECH NUS INC

**Phase III
Soil Sampling and Analysis Work Plan
Building 30 (Commissary)
Naval Air Station Cecil Field
Jacksonville, Florida**

February 2, 2000

Sampling and analysis to delineate the extent on vertical contamination identified during previous field sampling efforts for Building 30 (Commissary) is required. Additional sampling is proposed to vertically delineate polychlorinated biphenyl (PCB) and pesticide contamination. Subsurface soil samples will be collected in the area where the highest concentrations were detected. This location is sample CEF-30-SS-001-01 as shown in Figure A.

Three subsurface soil samples will be collected at the same location as previous sample CEF-30-SS-001-01/CEF-B30-SS-105-02 at depths of 2' to 3', 3' to 4' and 4' to 5' bgs and analyzed for pesticides and PCBs as shown in Table 1. If contamination is reported in the 4' to 5' interval then the subsequent excavation will be conducted to 1' below the water table which is typically 6' bgs in this area.

The duplicate sample is to be collected from the 2' to 3' sampling interval.

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.

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

Sample 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:

Analysis	Analytical Method	Bottleware	Preservation	Holding Time¹
Pesticides	SW-846 8081A	Two 8-oz. glass jars	Cool to 4° C	14 days to extraction; 40 days to analysis
PCBs	SW-846 8082	Two 8-oz. glass jar	Cool to 4° C	14 days to extraction; 40 days to analysis

¹ Holding times are measures from the date/time of sample collection

Analytical results will be provided on a 7-day turn around time.

The laboratory contracted to do this work is as follows:

ACCUTEST SOUTHEAST
 4405 Vineland Rd., Suite C-15
 Orlando, Florida 32811
 Attention: Susan Baudios
 (407) 425-6700
 Fax: (407) 425-0707

As agreed 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 samples/matrix	1
Lab MS/MSD	1/20 samples/matrix	1 ⁽¹⁾

(1) MS/MSD samples are a laboratory QA/QC requirement. Separate samples are 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, Tetra Tech NUS personnel will review the analytical data packages generated by the analytical laboratory to eliminate false positive and false negative results.

Table 1

Phase III Sampling and Analysis
 Building 30, Commissary

Sample ID CEF-B30-SU	Location	Sample Interval	Analysis
		Feet (bgs)	Pest/PCBs
SOILS			
-201-03	Same location as initial EBS sample CEF-30-SS-001-01	2'-3'	X
-202-04	Same location as initial EBS sample CEF-30-SS-001-01	3'-4'	X
-203-05	Same location as initial EBS sample CEF-30-SS-001-01	4'-5'	X