

N60200.AR.001883
NAS CECIL FIELD, FL
5090.3a

SAMPLING AND ANALYSIS WORK PLAN FOR POTENTIAL SOURCE OF CONTAMINATION
30 AREA OF INTEREST 30 NAS CECIL FIELD FL
5/11/1999
TETRA TECH NUS INC

**Sampling and Analysis Work Plan
PSC 30, Area of Interest 30
Naval Air Station Cecil Field
Jacksonville, Florida**

May 11, 1999

Sampling and analysis of the surface soils is proposed for PSC 30 as identified in Figure A. Sampling and analysis will be conducted to delineate the contamination identified in the previous sampling activities that detected benzo(a)pyrene (BaP) in soil samples exceeding the Florida Department of Environmental Protection (FDEP) residential soil cleanup criteria as shown in Figure B. The BaP contamination appears to be localized along the west side of PSC 30.

Soil samples will be collected in the area north and south of the area of contamination along the fence. The soil samples will be analyzed for polycyclic aromatic hydrocarbons (PAHs). This sampling strategy is as identified during the March 18, 1999 Base Realignment and Closure Team (BCT) meeting (Minutes Ref. No. 857).

A total of 2 soil samples will be collected during this sampling event from the approximate locations identified on Figure A. The soil samples to be collected and the analysis of the samples are described below.

- CEF-P30-SS-001 will be collected fifteen (15) feet south of the previous soil sample 17S00601.
- CEF-P30-SS-002 will be collected fifteen (15) feet north of the previous soil sample 17S00101

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. Because disposable trowels will be used, decontamination of sampling equipment will not be necessary.

The location of the proposed samples will be located by a registered surveyor in the field and marked with a wooden stake or pin flag labeled with the sample identification. The sampling crew will work with the survey crew to establish the best procedures to limit the time the wooden stakes or pin flags are in the area. The sample crew will collect the sample from the location identified.

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 in excess of sampling volume requirements will be placed back on the ground and the turf replaced or repaired.

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 Time ⁽¹⁾
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 provided 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: Susan Gaudios
 (407) 425-5700
 Fax: (407) 425-0707

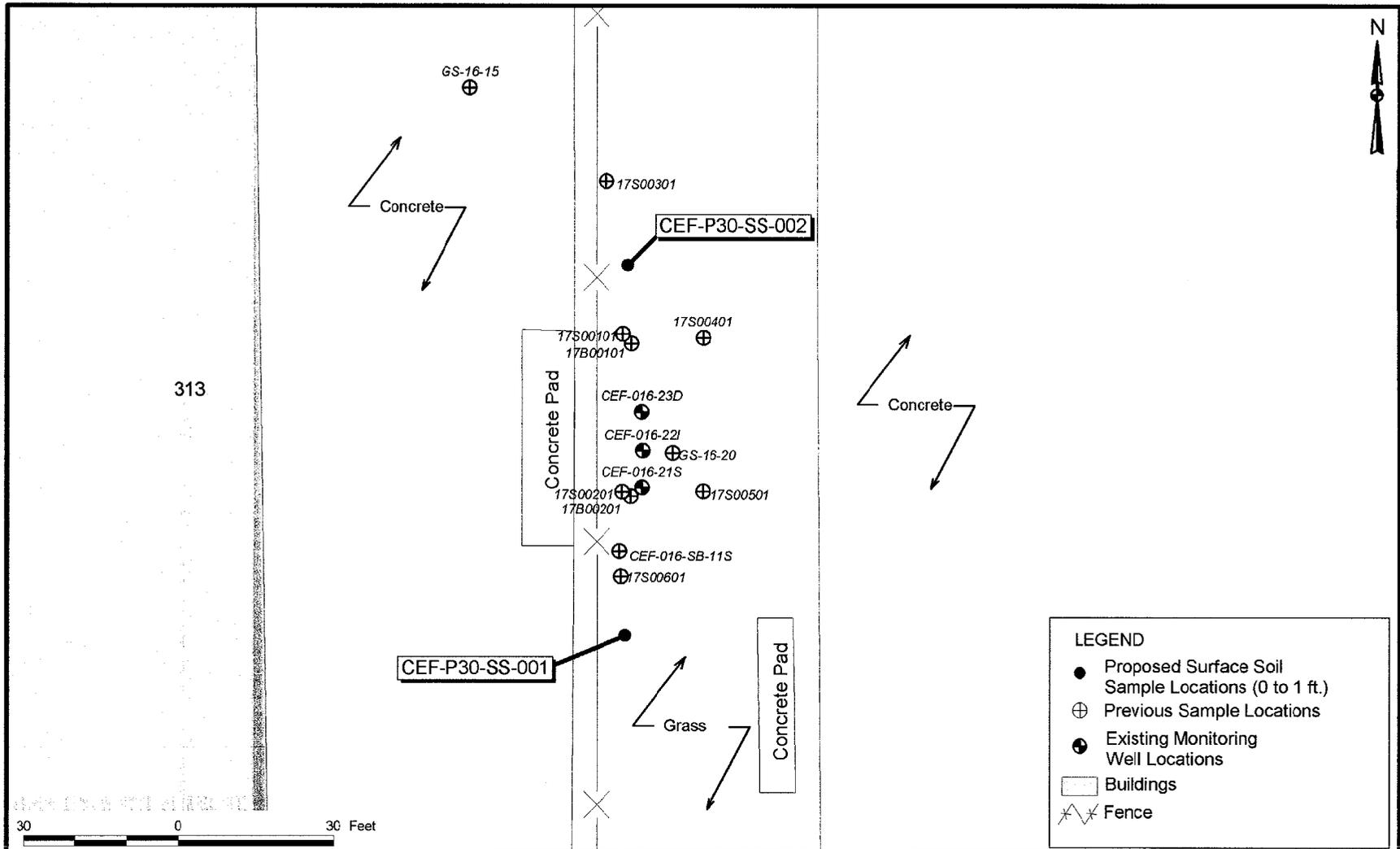
As agreed upon by the BCT, the collection of rinsate and trip blanks has been eliminated at NAS Cecil Field. In addition, field blanks will not be collected during this sampling program because there will be no decontamination of sampling equipment. In accordance with these changes, the following table 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	0
Lab MS/MSD	1/20 samples	1 ⁽¹⁾

1 MS/MSD is a Laboratory QA/QC requirement, separate sample not required, only additional volume.

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.

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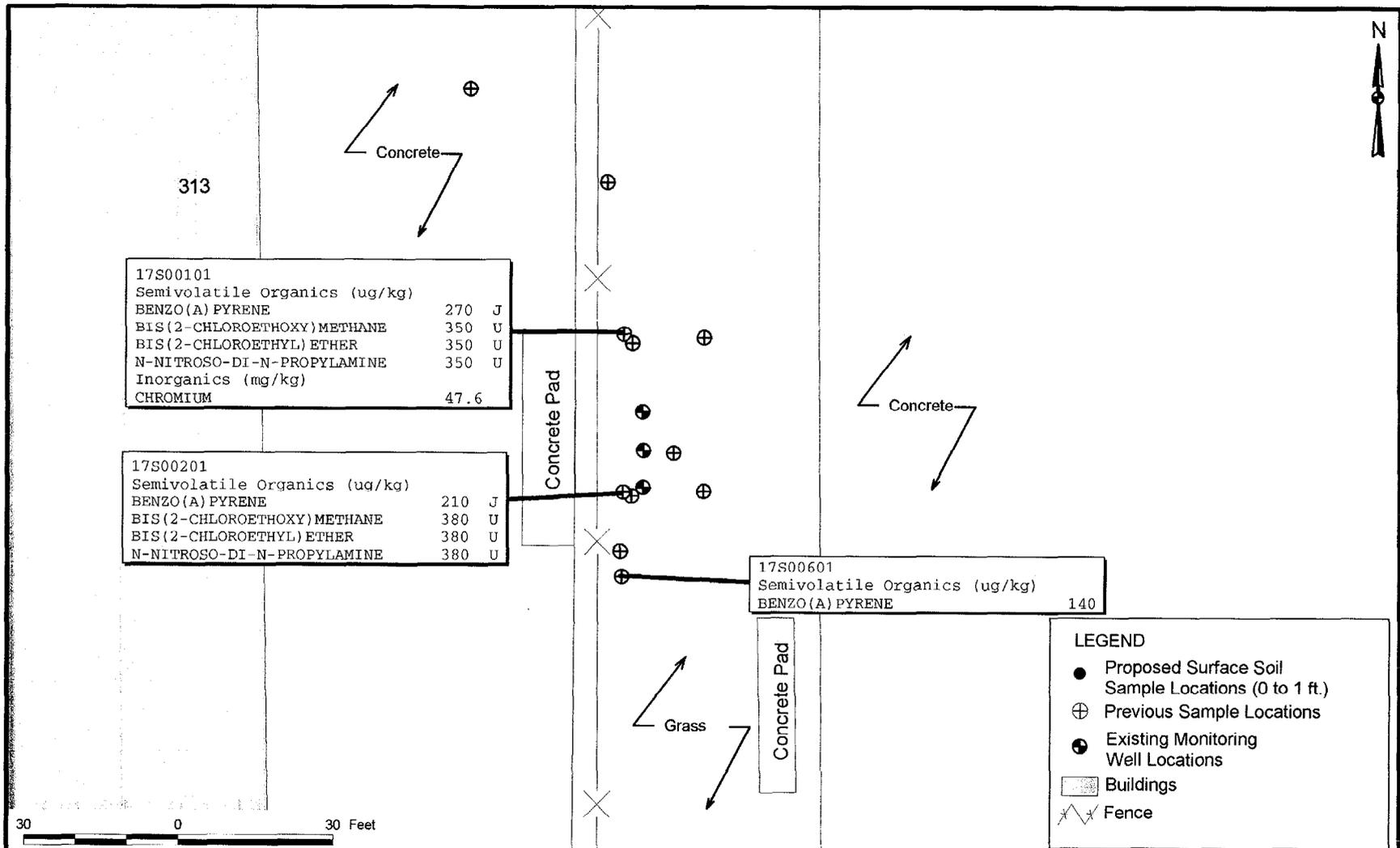


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COST/SCHEDULE-AREA	
SCALE AS NOTED	



PROPOSED SOIL SAMPLE LOCATIONS
PSC 30, AREA OF INTEREST 30
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

CONTRACT NUMBER 0039	
APPROVED BY	DATE
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DRAWN BY	DATE
YLI	04/28/99
CHECKED BY	DATE
COST/SCHEDULE-AREA	
SCALE AS NOTED	



SUMMARY OF ANALYTES EXCEEDING SCREENING CRITERIA

PSC 30, AREA OF INTEREST 30

NAVAL AIR STATION CECIL FIELD

JACKSONVILLE, FLORIDA

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0039	
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FIGURE B	0