

N60200.AR.002153  
NAS CECIL FIELD, FL  
5090.3a

SAMPLING AND ANALYSIS WORK PLAN FOR BUILDING 274 OIL-WATER SEPARATOR  
274-OW NAS CECIL FIELD FL  
10/19/1999  
TETRA TECH NUS INC

**Sampling and Analysis Work Plan  
Building 274, Oil-Water Separator 274-OW  
Naval Air Station Cecil Field  
Jacksonville, Florida**

October 19, 1999

Resampling and analysis is proposed for 274-OW as identified in Figure A and Table 1. One existing well will be resampled, one subsurface soil sample will be recollected, and both will be analyzed for polycyclic aromatic hydrocarbons (PAHs) by Method 8310.

The existing monitoring well to be resampled is CEF-274-1S, located north of the oil-water separator. The subsurface soil sample will be collected from the 4- to 5-foot interval next to the location of previously installed boring CEF-274-SB2.

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 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 will be 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:

Analysis	Analytical Method	Bottleware	Preservation	Holding Time <sup>(1)</sup>
<b>SOIL</b>				
PAHs	SW-846 8310	8-oz. glass jar	Cool to 4°C	14 days to extraction; 40 days to analysis
<b>GROUNDWATER</b>				
PAHs	SW-846 8310	1 1-liter amber glass; Teflon-lined lid	Cool to 4°C	7 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	1 soil / 1 groundwater
Lab MS/MSD	1/20 samples	1 soil / 1 groundwater <sup>(1)</sup>

<sup>(1)</sup> 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.

**Table 1**

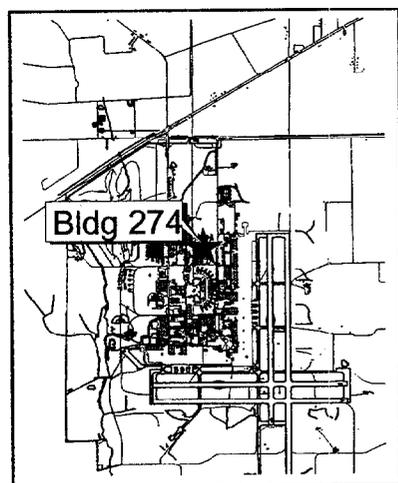
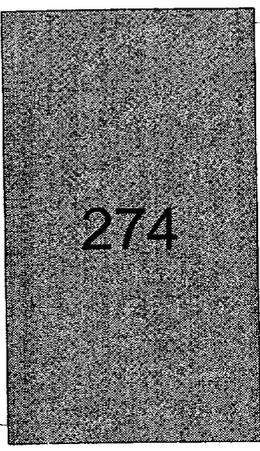
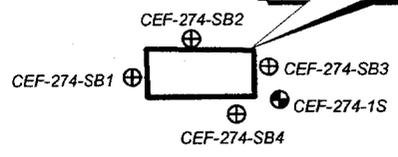
**Phase IV Groundwater Sampling and Analysis  
Building 274, Oil-Water Separator 274-OW**

Sample ID	Location	Analysis
		PAHs
<b>SOIL</b>		
CEF-274-SB2-02	From previously installed boring CEF-274-SB2	X
<b>GROUNDWATER</b>		
CEF-274-1S-02	From well CEF-274-01S, north of oil-water separator	X

PAH = Polycyclic Aromatic Hydrocarbons



TANK 274-OW  
OIL/WATER SEPARATOR



**LEGEND**  
⊕ Soil Boring Location  
⊙ Monitoring Well Location



DRAWN BY	DATE
MJJ	07Oct99
CHECKED BY	DATE
COST/SCHEDULE-AREA	
SCALE	
AS NOTED	



SAMPLING AND ANALYSIS WORK PLAN  
OIL/WATER SEPARATOR 274-OW, BUILDING 274  
NAVAL AIR STATION CECIL FIELD  
JACKSONVILLE, FLORIDA

CONTRACT NUMBER 0039	
APPROVED BY	DATE
APPROVED BY	DATE
DRAWING NO. FIGURE A	REV 0