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NAS CECIL FIELD, FL
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PHASE 5 SAMPLING AND ANALYSIS WORK PLAN FOR POTENTIAL SOURCE OF CONTAMINATION 21 GOLF COURSE PESTICIDE MIXING AREA NAS CECIL FIELD FL

9/15/1999

TETRA TECH NUS INC

Phase V Sampling and Analysis Work Plan
PSC 21, Golf Course Pesticide Mixing Area
Naval Air Station Cecil Field
Jacksonville, Florida

September 15, 1999

Phase V sampling and analysis of groundwater is proposed for PSC 21, Golf Course Pesticide Mixing Area. A groundwater sample will be collected from well CEF-P21-MW-001 and analyzed for pesticides to address elevated pesticide detection limits in the sample collected during Phase I sampling activities. Pesticides have been detected in soil and groundwater samples at this site during previous sampling. The laboratory will perform a GPC cleanup step prior to analysis of this sample to avoid sample dilution.

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. 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[1]
Pesticides	SW-846 8081A[2]	1 1-liter glass	Cool to 4°C	14 days to extraction; 40 days to analysis

1 Holding times are measured from the date/time of sample collection.
2 GPC cleanup step to be conducted prior to analysis.

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: 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 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[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.

Table 1

Phase V Sampling and Analysis
PSC 21, Golf Course Pesticide Mixing Area

Sample ID	Location	Analysis
		Pesticides
CEF-P21-GW-001-02	From existing well CEF-P21-MW-001	X*

* On chain of custody, request that lab perform GPC cleanup step prior to sample analysis.

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