

N60200.AR.004603  
NAS CECIL FIELD, FL  
5090.3a

SAMPLING AND ANALYSIS WORK PLAN ROUND 6 FOR GROUNDWATER AT OPERABLE  
UNIT 5 (OU 5) SITE 15 BLUE 10 ORDNANCE DISPOSAL AREA NAS CECIL FIELD FL

8/22/2006

TETRA TECH NUS INC

**Sampling and Analysis Work Plan  
Round VI for Groundwater  
Site 15, Blue 10 Ordnance Disposal Area  
Naval Air Station Cecil Field  
Jacksonville, Florida**

**August 22, 2006**

The objective of this groundwater sampling effort is to verify or deny the existence of potential pesticide contamination greater than the FDEP GCTLs in the groundwater. It was determined during a recent database query that two parameters (4,4'-DDE and RDX) exceeded the current GCTLs in groundwater samples collected in 1995. RDX was identified in CEF-015-01S and both RDX and 4,4'-DDE were identified in CEF-015-5S greater than their respective GCTLs. To address these exceedences, monitoring wells are being reinstalled at the location of the identified detections and the wells will be sampled for the parameters exceeded. The locations of the two monitoring wells to be reinstalled are shown on the attached figure.

The sampling activities, quality assurance/quality control (QA/QC) procedures, and data validation requirements for field activities described in this work plan are in general agreement with the U.S. EPA Region IV Environmental Investigation Standard Operating Procedures (SOPs) and Quality Assurance Manual (EISOPQAM), FDEP SOPs FS3000, Remedial Investigation report for Sites 36 and 37, and current Tetra Tech NUS, Inc. (TtNUS) SOPs. Florida Administrative Code (FAC) 62-160, Quality Assurance Rule (FAC 62-160) was updated in April of 2002 and incorporates new SOPs developed and adopted by the FDEP for the collection and analysis of environmental media. Accordingly, the groundwater activities that will be conducted in this work plan will abide by SOPs FS2200.

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.

Requirements for sample handling, bottleware, preservation, and holding time for the analyses 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(1)</b>
<b>GROUNDWATER</b>				
4,4-DDE	SW-846 8081A	Two (2) 1-liter amber glass	Cool to 4° C	7 days to extraction; 40 days to analysis
RDX	SW-846 8330	Two (2) 1-liter amber glass	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 reported on a 4-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: Heather Wandrey  
(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

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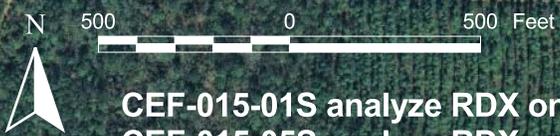
minimal decontamination of sampling equipment. Based on the limited sampling requirements and these samples being collected to verify previous results a duplicate sample will not be required.

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 VI Groundwater Sampling and Analysis Work Plan  
Site 15, Blue 10 Ordnance Disposal Area**

Sample ID	Location	Screen Interval (bgs)	Analysis
<b>GROUNDWATER</b>			
CEF-015-GW-01S-06	CEF-015-01S	5' to 15'	RDX
CEF-015-GW-5S-06	CEF-015-05S	5' to 15'	RDX and 4,4'-DDE



CEF-015-01S analyze RDX only  
CEF-015-05S analyze RDX and 4,4-DDE

CEF-015-05S

EASTING: 364595.04  
NORTHING: 2149597.75

CEF-015-01S

EASTING: 364529.51  
NORTHING: 2148447.62

