

N60200.AR.002289
NAS CECIL FIELD, FL
5090.3a

PHASE 2 SAMPLING AND ANALYSIS WORK PLAN FOR POTENTIAL SOURCE OF
CONTAMINATION 56 STORM WATER POND NEAR BUILDING 815 NAS CECIL FIELD FL
1/28/2000
TETRA TECH NUS INC

**Phase II Sampling and Analysis Work Plan
PSC 56, Storm Water Pond Near Building 815
Naval Air Station Cecil Field
Jacksonville, Florida**

January 28, 2000

Phase II sampling and analysis of sediment is proposed for PSC 56, Storm Water Pond near Building 815, as shown in Figure A. Sampling and analysis will be conducted to further delineate inorganic contamination identified during previous sampling activities.

Previous sampling activities by Golder detected inorganics in sediment at two locations. Concentrations of inorganics exceeded the NAS Cecil Field Inorganic Background Data Set.

Four sediment samples will be collected from the bottom of the pond, as shown in Figure A. One sample is located at the upper (northern) end of the pond, and one sample is at the lower (southern) end of the pond. The other two samples are to be spaced at even intervals between the northern and southern samples. The samples will be analyzed for metals as specified in the Table 1.

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 sediment samples will be collected as grab samples. The sampling equipment used will be disposable or equipment that can be easily decontaminated. Since disposable equipment is preferable for this sampling activity, decontamination of sampling equipment will not be required.

The locations of the samples will be located by a registered surveyor in the field and marked with a wooden stake 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 sample materials in excess of sampling volume requirements will be placed back in the area where the sample was obtained.

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⁾
Aluminum, Barium, Cadmium, Chromium, Copper, Lead, Nickel, Vanadium, and Zinc	SW-846 6010B	8-oz. glass jar	Cool to 4°C	180 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 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.

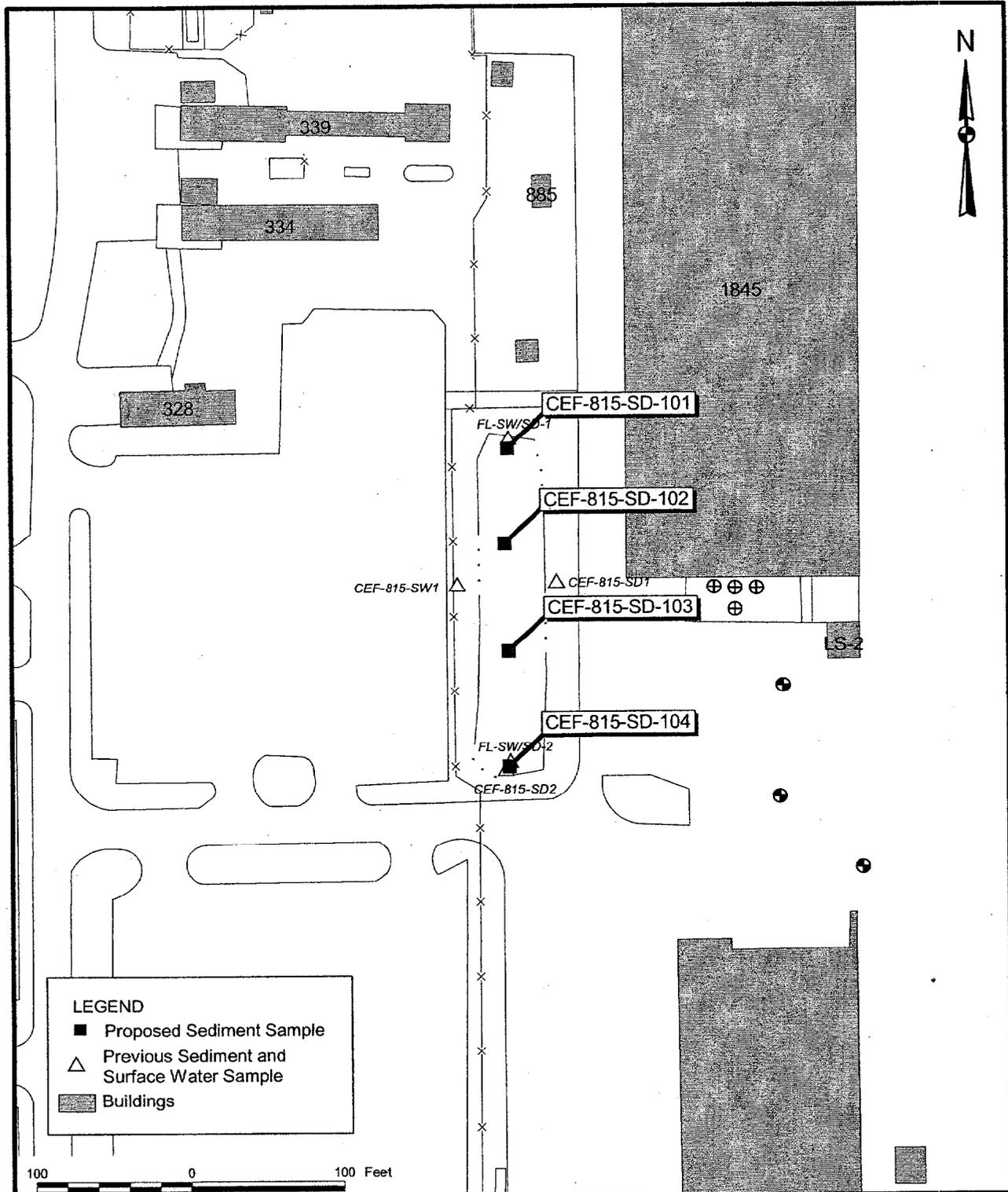
Type of Samples	Frequency	Samples to be Collected
Field Duplicate	1/10 sample/matrix	1 sediment
Lab MS/MSD	1/20 samples/matrix	1 sediment ⁽¹⁾

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 II Sampling and Analysis Work Plan
PSC 56, Storm Water Pond Near Building 815**

Sample ID CEF-815-	Location	Analysis
		Aluminum, Barium, Cadmium, Chromium, Copper, Lead, Nickel, Vanadium, and Zinc
SD-101	Upper (northern) end of pond, near location of sample 815-SD-SD03	X
SD-102	One third length of pond to south of CEF-815-SD-101	X
SD-103	Two thirds length of pond to south of CEF-815-SD-101	X
SD-104	Lower (southern) end of pond, near location of sample 815-SD-SD02	X



LEGEND

- Proposed Sediment Sample
- △ Previous Sediment and Surface Water Sample
- ▨ Buildings

100 0 100 Feet

DRAWN BY MJJ	DATE 28Jan00
CHECKED BY	DATE
COST/SCHEDULE-AREA	
SCALE AS NOTED	



PHASE II SEDIMENT SAMPLE LOCATIONS
 PSC 56, STORM WATER RETENTION POND
 NAVAL AIR STATION CECIL FIELD
 JACKSONVILLE, FLORIDA

CONTRACT NUMBER 0394	
APPROVED BY	DATE
APPROVED BY	DATE
DRAWING NO. FIGURE A	REV 0



Department of Environmental Protection

Jeb Bush
Governor

Twin Towers Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

David B. Struhs
Secretary

August 29, 2000

Commanding Officer
Mr. Mark Davidson, Code 1879
SOUTHNAVFACENGCOM
Post Office Box 190010
North Charleston, SC 29419-9010

RE: Sampling and Analysis Report for Building 815 Transformer
Area, Naval Air Station Cecil Field, Florida.

Dear Mr. Davidson:

I have completed the technical review of the Sampling and Analysis Report, dated August 2000 (received August 25, 2000) submitted for the above-referenced building. Based on the results of the PCB-contaminated soil excavation, FDEP concurs with the recommendation of no further action.

FDEP's concurrence is predicated on the information provided by the SOUTHNAVFACENGCOM. Therefore, any new information contradicting the basis for this concurrence, may require further investigation or remedial actions.

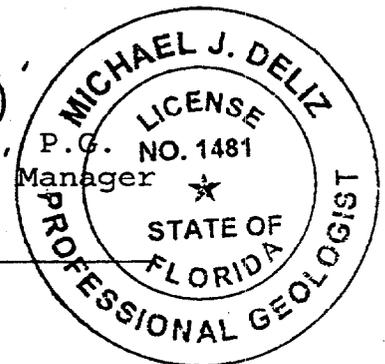
If you have any concerns regarding this letter, please contact me at (850) 921-9991.

Sincerely,

Michael J. Deliz, P.G. NO. 1481
Remedial Project Manager

Date

29-Aug-00



CC: Satish Kastury, FDEP
Debbie Vaughn-Wright, USEPA, Atlanta
John Flowe, City of Jacksonville
Scott Glass, SOUTHNAVFACENGCOM
Mark Speranza, TtNUS, Pittsburgh
Mike Fitzsimmons, FDEP, Northeast District

"Protect, Conserve and Manage Florida's Environment and Natural Resources"