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NAS CECIL FIELD, FL  
5090.3a

TECHNICAL MEMORANDUM REGARDING REVISIONS TO SAMPLE LOCATIONS FOR  
REMEDIAL INVESTIGATION AT OPERABLE UNIT 6 (OU 6) SITE 11 NAS CECIL FIELD FL  
8/4/1995  
ABB ENVIRONMENTAL SERVICES INC



August 4, 1995

08520-0051

Commanding Officer  
Southern Division  
Naval Facilities Engineering Command  
2155 Eagle Drive  
North Charleston, S.C. 29419-9010  
Attention: Alan Shoultz, Engineer-In-Charge

**Subject: Contract No. N62467-89-D-0317, CTO 090  
Technical Memorandum: Revisions to Sample Locations, Operable Unit 6  
(Site 11) Remedial Investigation, NAS Cecil Field Installation Restoration  
Program**

Dear Mr. Shoultz:

ABB Environmental Services, Inc. is recommending a reduction in the number of groundwater, surface soil, and subsurface soil samples to be collected and analyzed during the Site 11 remedial investigation. The following is a summary of data collected to date, the proposed changes, and the rationale for these changes.

A 1993 focused remedial investigation identified 19 subsurface anomalies at Site 11. Five of these anomalies contained pesticide containers. The remaining anomalies contained metal debris and trash. An Interim Remedial Action (IRA) was initiated in June 1995 to remove the pesticide containers. The following summarizes the IRA activities:

- All empty, partially full, full, or leaking pesticide, fungicide and herbicide containers were removed from the site and disposed of.
- Soil from Anomalies 4,5,7,8, and 16 was excavated and stockpiled.
- Samples from each stockpile were analyzed for TCLP, 1,2-dibromo-3-chloropropane (Nemagon), and organophosphorus pesticides.
- Soil from Anomalies 4 and 8 were found to be hazardous and require disposal in a Subtitle C facility. Soil from Anomalies 5, 7, and 16 were found to be non-hazardous and will be returned to the site.

Based on the results of the IRA, a scaling back of the original remedial investigation, as proposed in the RI/FS Workplan for OUs 3,4,5, and 6 (ABB-ES, November 1994), is recommended as described for each media below. The attached figure shows the proposed sampling locations for each media.

Groundwater - Install five water table monitoring wells: one upgradient, one between anomalies 4 and 8, and three downgradient. Sample groundwater from these wells and analyze for TCL organics,

ABB Environmental Services Inc.



TAL inorganics, 1,2-dibromo-3-chloropropane, and organophosphorus pesticides. After installation of the five monitoring wells abandon the two existing wells that have 20-foot screens.

The Workplan called for the installation and sampling of four 3-well clusters. Because the contaminant source is being removed and the absence of contamination in general ABB-ES recommends obtaining analytical results from monitoring wells in the surficial aquifer before installing intermediate and deep wells.

Surface Soil - Collect 10 surface soil samples, one near each of the five anomalies and five from the area of investigation. Analyze surface soil samples for TCL organics, TAL inorganics, 1,2-dibromo-3-chloropropane, and organophosphorus pesticides.

The Workplan called for the collection and analysis of 38 surface soil samples, one from each of the 19 anomalies and 19 from the areas between the anomalies. Since there were no pesticide containers at 14 of the anomalies, and a limited amount of contaminants were found in the anomalies that contained pesticide containers, it is not necessary to sample the 14 anomalies that did not contain pesticide containers or the areas between them.

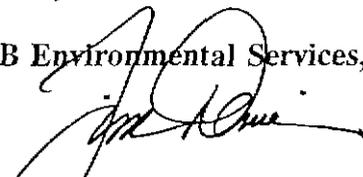
Subsurface Soil - Collect 10 subsurface soil samples, one each from anomalies 4,5,7, and 16, two from anomaly 8, and four from within the historical site boundary. Analyze subsurface soil samples for TCL organics, TAL inorganics, 1,2-dibromo-3-chloropropane, and organophosphorus pesticides.

The Workplan called for the collection and analyses of 19 subsurface soil samples. One from each of the nineteen anomalies. Since there were no pesticide containers at 14 of the anomalies it is not necessary to sample them.

I hope this information suffices and allows for yours and the BRAC Closure Team's expeditious review and approval so that we may proceed with the proposed field activities in a timely manner. Please call me at 904-269-7012 or Bob Lunardini at 904-656-1293 if there are any questions or concerns.

Sincerely,

**ABB Environmental Services, Inc.**

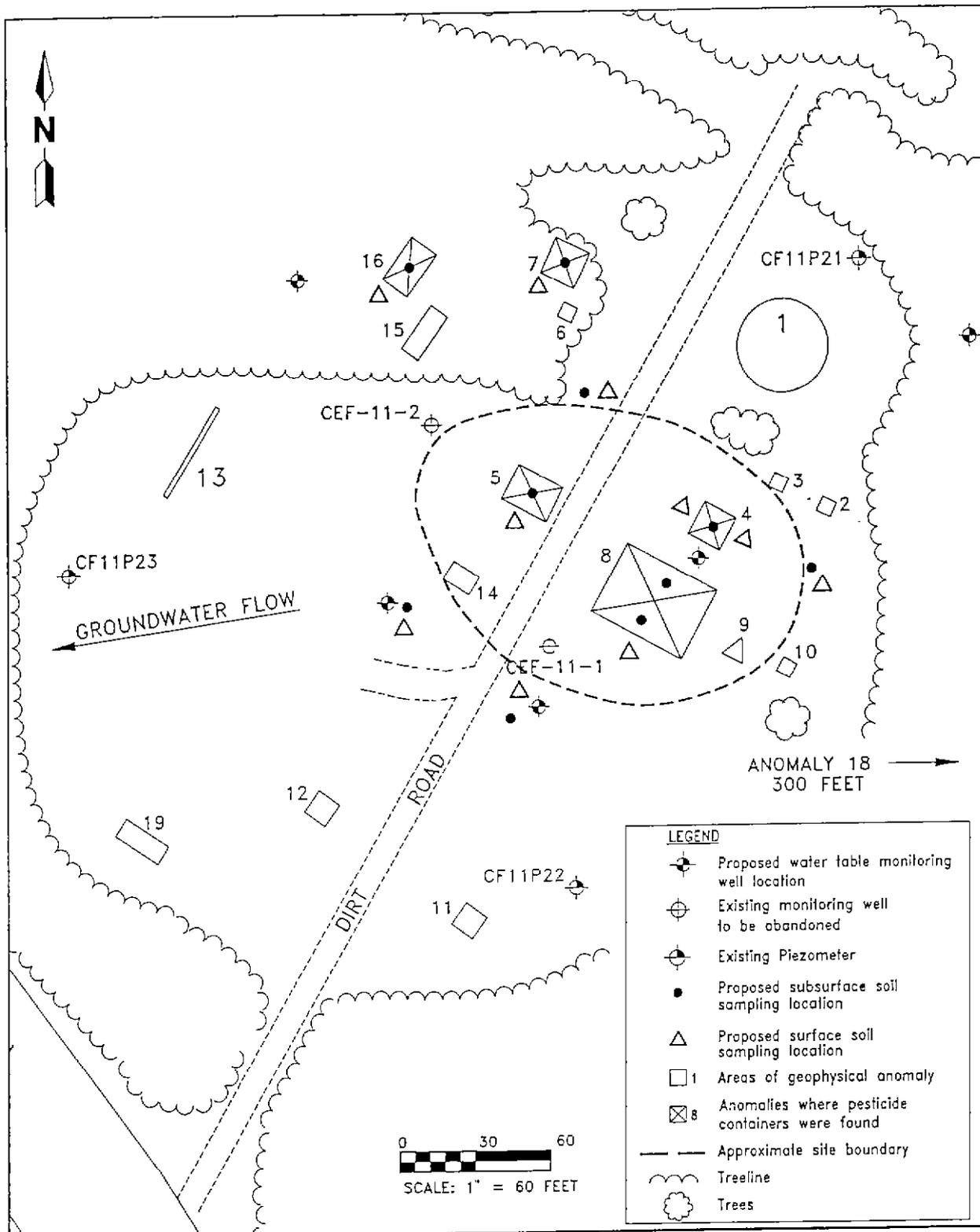


James A. Denier  
Task Order Manager

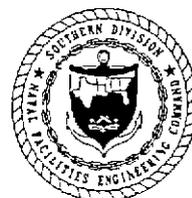
Enclosure

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Files 090IR-2.4.4



**FIGURE 4-13**  
**PROPOSED SITE 11**  
**SURFACE SOIL, SUBSURFACE SOIL, AND**  
**GROUNDWATER SAMPLING LOCATIONS**



**REMEDIAL INVESTIGATION/  
 FEASIBILITY STUDY WORKPLAN  
 OPERABLE UNITS 3,4,5, AND 6**

**NAS CECIL FIELD  
 JACKSONVILLE, FLORIDA**