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NAS CECIL FIELD, FL
5090.3a

DIG AND HAUL PACKAGE FOR BUILDING 16C WATER TOWER NAS CECIL FIELD FL
6/18/1999
TETRA TECH NUS INC

DIG AND HAUL PACKAGE for BUILDING 16C WATER TOWER

SITE BACKGROUND

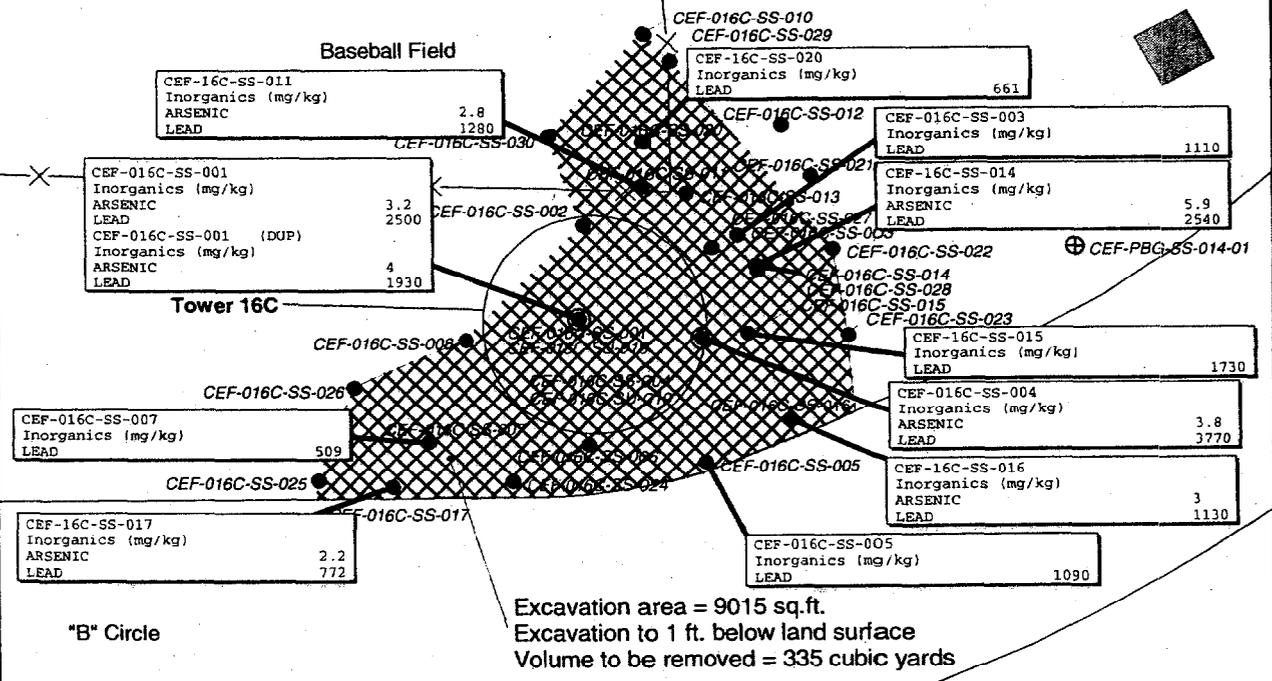
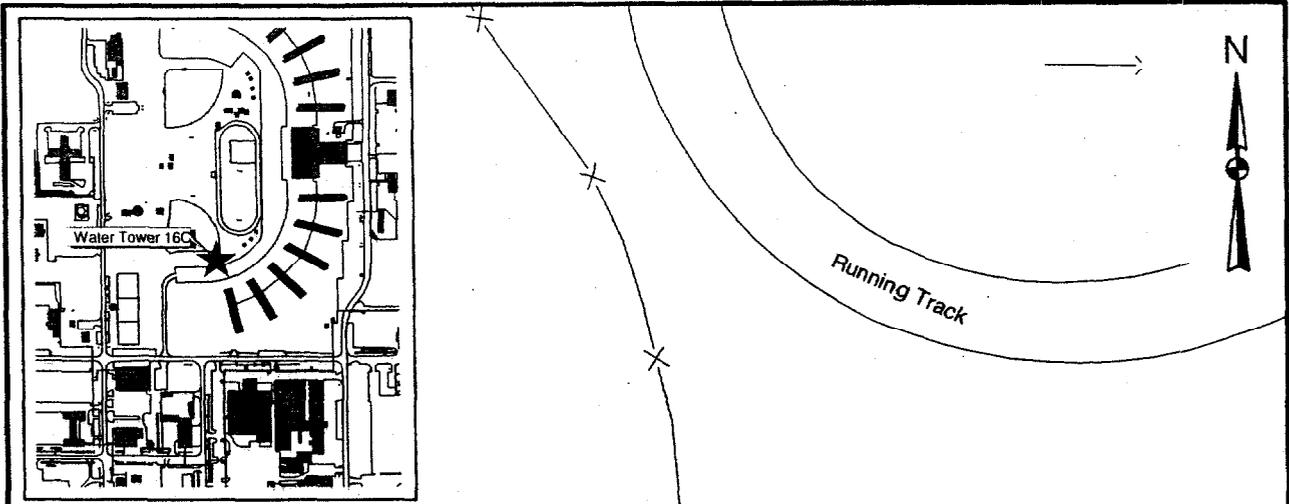
Lead was detected at a concentration in excess of the residential Soil Cleanup Target Level (SCTL) (400 mg/kg) and the background "High Cut" value (197 mg/kg) in most of the surface soil samples collected in the area to be excavated. This contaminant is likely present because of the use of lead-based paint on the tower. Arsenic was also detected at a concentration in excess of the residential SCTL (0.8 mg/kg) and the background "High Cut" value (2.04 mg/kg) in several of the surface soil samples. Analytical results were reviewed by the Base Realignment and Closure (BRAC) Cleanup Team (BCT), and a decision was made to delineate the extent of contaminated soil. Additional site background information may be obtained through reference to the Sampling and Analysis Outline for Building 16C Water Tower (Tetra Tech NUS, Inc. [TtNUS], January 1999) and the Environmental Baseline Survey for NAS Cecil Field (ABB-ES, November, 1994).

GUIDANCE NOTES

This information is provided for general guidance purposes only. The approximate area of excavation is shown on Figure 1. The actual extent of excavation will be defined by TtNUS with white spray-down paint (or equivalent) prior to the execution of the removal action.

The Remedial Action Contractor (RAC) shall be responsible for the following:

- The schedule and methods of excavation.
- All aspects of work-site health and safety.
- Identification and avoidance of all aboveground and underground utilities or other manmade structures.
- Waste characterization, transport (both on and off site), and disposal of all excavated soil. Note that TtNUS collected three soil samples for TCLP extraction with analysis for arsenic and lead. The lead concentration exceeded the regulatory level for one of the samples; therefore, some of the soil could be a RCRA hazardous waste.
- Notification of TtNUS and the Navy if observations indicate contaminants may extent beyond the planned lateral or vertical limits of the excavation.
- Except where necessary for avoidance of structures or utilities, or where otherwise specified by TtNUS, the depth of excavation should extent 1 foot below ground surface.
- Excavated soil shall be stockpiled on, and covered with, heavy-duty polyethylene sheeting at the site. This shall be done in a manner to avoid the potential for contaminating surrounding soil or surface water. Alternately, soils may be stockpiled in properly covered roll-off containers.
- Stockpiling and combining of materials from different sites is permitted with prior approval of the BCT, if similar types and concentrations of contaminants are involved and were generated by similar processes.
- Materials used to backfill the excavations shall be from an uncontaminated source and be capable of supporting the same type of vegetation as the soil removed. The ground surface and baseball field shall be restored to a similar or better condition than existed prior to excavation. The existing fencing shall be carefully removed prior to excavation and restored to preconstruction conditions following backfilling.



Excavation area = 9015 sq. ft.
 Excavation to 1 ft. below land surface
 Volume to be removed = 335 cubic yards

"B" Circle

- Notes:
1. Warning: Obtain utility clearance before excavation.
 2. Extent of excavation to be marked by Tetra Tech NUS, Inc.
 3. Contaminants of concern are Arsenic and Lead.
 4. Waste characterization, transport, and disposal of excavated soil are the responsibility of the remedial action contractor
 5. Return site to pre-excavation conditions.

LEGEND

- ⊕ Existing Soil Sample Locations
- New Surface Soil Sample Locations (0 to 1 ft.)
- New Subsurface Soil Sample Locations (1 to 2 ft.)
- ▒ Buildings
- ▨ Excavation Area



DRAWN BY	DATE
YLI	11/17/98
CHECKED BY	DATE
KT	11/17/98
COST/SCHEDULE-AREA	
SCALE	
AS NOTED	



REMEDIAL DESIGN PLAN
 SOIL EXCAVATION
 BUILDING 16C WATER TOWER
 NAVAL AIR STATION CECIL FIELD
 JACKSONVILLE, FLORIDA

CONTRACT NUMBER	
0039	
APPROVED BY	DATE
MPS	6/17/99
APPROVED BY	DATE
DRAWING NO.	REV
FIGURE 1	0