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NCBC GULFPORT
5090.3a

LETTER REGARDING SOIL SAMPLING AND GROUNDWATER MONITORING PLAN FOR
SITE CLOSURE NCBC GULFPORT MS
6/8/1990
U S AIR FORCE



COORD: LEEVO

RF: LEEVO

RF: LEEV

Mr. Jim Cook
EG&G Idaho
POB 1625
Idaho Falls, ID 83415

Dear Mr. Cook,

1. References:

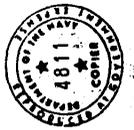
- a. Your 2 May 90 facsimile copy, Recommended Analytes for Monitoring for NCBC Site Closure
- b. Your 23 May 90 letter, Soil Sampling and Groundwater Sampling Strategies for NCBC Site Closure
- c. Your 30 May 90 letter, Transmittal of Statement of Work for NCBC Site Closure

2. Our primary objective of sampling the Herbicide Orange (HO) site at the Naval Construction Battalion Center (NCBC) is to provide technical information to the Navy to complete the remedial investigation documentation for the site. The Navy and its contractors will then proceed to take the necessary actions to close the site. Our review of the referenced documents has identified several concerns:

a. The soil sampling strategy identified in reference b will be difficult to apply to Area A at NCBC since the mounds of incinerator ash cover many unexcavated plots and some excavated plots. Also, some of the deeper excavations were backfilled with clean soil to prevent pooling of water in the deeper holes.

(1) We suggest using a selectively "random" method of sampling the plots in Area A in order to gain the most information about the potential contaminants and to control the variability between excavated and unexcavated samples. The specific sampling protocol can be worked out after a review of the availability of unencumbered plots in Area A.

(2) The proposed approach of soil sampling by VERSAR could work satisfactorily in Areas B & C. The variability for the soil characterization data for both techniques could be compared to determine if the areas are statistically similar and therefore represent the same population. Likewise, unexcavated and excavated areas can be compared with this combined sampling approach to determine variability.



b. All samples will be analyzed for herbicides and metals (reference a) as stated in reference c, section 1.2.4. However, dioxin and furan analyzes should be performed only on the groundwater samples. The site characterization studies and subsequent bottom-of-the hole analyses associated with the full-scale incineration demonstration adequately documents these chemical contaminants in the soil.

c. Add "or the US Navy" after USAF in reference c, Section 1.2.6.

3. The cover page of reference c (Atch 1) provides the approval to begin preparation of the Sampling and Analysis Plans. Please encourage the subcontractor to discuss directly with the USAF or USN any questions they may have about the site at NCBC. Points of contact for the USAF are Mr. Jeff Short at (202) 767-0276 or Mr. Karl Kneeling at (202) 767-4616.

1 Atch
Signed SOW for NCBC Site

cc: NCBC, Gulfport,
code 470.2
SOUTH DIV NAVFACENGCOM,
code 1151
USAFOEHL/EQ