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11 JUN 1987

From: Commander, Atlantic Division, Naval Facilities Engineering Command
To: Commanding General, Marine Corps Base, Camp Lejeune

Subj: NACIP SITE 6; PROPOSED WAREHOUSE CONSTRUCTION BY DEFENSE REUTILIZATION
AND MARKETING SERVICE, FY-90

Ref: (a) MARCORB Camp Lejeune ltr 6280/9 FAC of 20 Apr 87

Encl: (1) CNC ltr 5090 Ser 451/7U393392 of 14 Apr 87
(2) Excerpt from Site Suitability Assessment, Proposed Brig Expansion,
NAVSTA Norfolk. Prepared by Malcolm Pirnie, Inc., June 84

1. In reference (a), you requested guidance on the feasibility of constructing a warehouse on Lot 203. This site was included in the Installation Restoration (formerly NACIP) program because of documented evidence of hazardous materials disposal. We can summarize the data collected to date under the IR program as follows:

a. Lot 203 served as a waste disposal area in the 1940s. Subsequently, it was used for storage of scrap metal and other items, including DDT and PCB transformers.

b. The eastern end of the proposed warehouse overlaps a former DDT storage area. Soil samples collected in the vicinity in August 1984 detected DDT and its isomers in concentrations up to 80 ppb. However, a monitoring well (6GW4) installed in the fall of 1986 did not detect DDT in the groundwater.

c. Trichloroethylene contamination has been confirmed in well 651, located northeast of Lot 203. Although the storage lot is a potential source of the solvent, none was detected in the shallow well, 6GW4, located east of the proposed project site.

2. Based on the analytical results to date, we do not believe the contamination is severe enough to preclude construction on this site. We do recommend the following guidelines be followed for construction on any site suspected of containing hazardous materials:

a. Sample soil in any areas to be excavated (for foundations, utilities, etc.) to the proposed depth of excavation. Analyze each sample for metals using the EP toxicity test. For this particular site, we would also recommend analysis for PCBs.

b. If the soil fails the EP toxicity test it must be handled and disposed of as a hazardous waste. If not, it should be retained on site (within the confines of the storage lot). If PCBs are detected, EPA Region IV should be consulted to determine the regional policy for cleanup of PCB spills.

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c. If surface soil staining or the soil borings indicates oil and grease contamination, water from dewatering operations should be pumped through an oil/water separator prior to discharge.

d. Project specifications should indicate that this is a former waste disposal area and should include provisions for dealing with buried containers that may turn up during excavation and precautions for minimizing personnel exposure. Enclosure (2) is a summary of potential construction problems and recommendations prepared for another project planned for a similar site.

3. These recommendations may be further refined when more information becomes available under the IR program and as the project scope is better defined. It may be appropriate at this time to submit a formal letter to state environmental agencies to obtain their concurrence on the proposed site usage. Enclosure (1) mandates that we keep state and local authorities informed as to planned actions at a site.

4. Our point of contact for the IR program is Cheryl Barnett.

J. R. BAILEY
By direction

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