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SAMPLING AND ANALYSIS REPORT ADDENDUM FOR BUILDING 871 BASE
REALIGNMENT AND CLOSURE NAS CECIL FIELD FL
10/15/1999
TETRA TECH NUS INC

**Sampling and Analysis Report
Addendum
for
Building 871
Base Realignment and Closure**

**Naval Air Station, Cecil Field
Jacksonville, Florida**



**Southern Division
Naval Facilities Engineering Command
Contract Number N62467-94-D-0888
Contract Task Order 0078**

October 1999

SAMPLING AND ANALYSIS REPORT ADDENDUM
BASE REALIGNMENT AND CLOSURE
BUILDING 871

This addendum to the Sampling and Analysis Report (SAR) for Building 871 (ABB Environmental Services, Inc., June 1996) documents the comparison of groundwater sampling results to background hi-cut values.

The third paragraph of Section 3.1 (Public Health Preliminary Risk Evaluation) is revised as follows:

Four pesticide compounds and eight inorganic analytes were detected in the groundwater sample collected in the study area. A comparison between concentrations of detected analytes in groundwater and RBCs for tap water, Federal maximum contaminant levels, and Florida groundwater guidance concentrations is presented in Table 1. Heptachlor epoxide and iron exceeded the groundwater guidance concentration. However, the detected concentration of iron (1,210 µg/L) was below the background hi-cut value (7,760 µg/L). No State or Federal screening criteria have been established for 2,2'-oxybis(1-chloropropane). Therefore, a human health risk evaluation was not conducted for this analyte. An ELCR of 9E-5 was associated with heptachlor epoxide and dieldrin. The total noncancer risk or hazard index was 0.3.

The first paragraph of Section 4.0 (Conclusions and Recommendations) is revised as follows:

A cumulative hazard index of 0.3 and a cumulative ELCR of 1.0E-5 were calculated by summing the human health risks for all identified exposure pathways in the study area. Heptachlor epoxide and iron were detected at concentrations above the human health screening criteria in the groundwater sample collected at Building 871. The detected concentration of heptachlor epoxide (0.011 µg/L) is below Federal and State drinking water standards (0.2 µg/L). The detected concentration of iron (1,210 µg/L) is below the background hi-cut value (7,760 µg/L). In addition, potable water is supplied to Building 871 from a remote source; therefore, a groundwater to receptor pathway does not currently exist. No exposure pathways for ecological receptors to groundwater in the study area were identified.

The color code is unchanged and remains Light Green.