N60200.AR.002249
NAS CECIL FIELD, FL
5090.3a

SAMPLING AND ANALYSIS REPORT ADDENDUM FOR BUILDING 312 BASE REALIGNMENT AND CLOSURE NAS CECIL FIELD FL

1/6/2000

TETRA TECH NUS INC

01/06/00

Sampling and Analysis Report Addendum
Base Realignment and Closure
Building 312

Monitoring well CEF-0312-01 was resampled on May 20, 1999 and analyzed for total iron, dissolved iron, total manganese, dissolved manganese and naphthalene. Samples were collected using low-flow techniques. Groundwater was field-filtered through a 1-micron filter prior to dissolved metal analysis. The results are summarized in the table below.

	Total Iron, µg/l	Dis. Iron, µg/l	Total Mn, µg/l	Dis. Mn, µg/l	Naphthalene, µg/l
1999 results	11,900	12,300	31.3	32.1	34.2
1996 results	9,840	NM	113	NM	27
FDEP criteria	300	300	50	50	20
Hi-cut	7,760	NA	96.2	NA	NA

NOTE:

NM – Not Measured

Total and dissolved iron concentrations are still greater than the FDEP criteria and the hi-cut value. Total and dissolved manganese concentrations are both less than the FDEP criteria and hi-cut value. Naphthalene concentration is still greater than the FDEP criteria.

Manganese no longer needs to be considered at this site. However, because of the high concentration of naphthalene, the site will continue to be evaluated under the petroleum program. The iron can be addressed during that evaluation, also.

None of the other conclusions in the 1996 Sampling and Analysis Report (SAR) (ABB-ES, June 1996) for this site are affected.

Because of the presence of contaminants in the groundwater at concentrations above the FDEP criteria, the color code is changed to blue (yellow).

NAS CECIL FIELD
Additional notes for Addenda to Building 500 and AOI 33
01/06/00

At the November 1999 BCT meeting, there were comments of the Addenda for Building 500 and AOI 33. This is a response to those comments.

Building 500

The text in the Addendum was only intended to address specific issues in the SAR relating to aluminum, iron, and thallium. All other compounds were addressed in the original SAR.

The Addendum shows the revised paragraph for Section 3.1 of the SAR. The first and final sentences in the Addendum are essentially the same sentences in the SAR. The second sentence in the Addendum replaces two sentences in the original SAR. The final sentence in the paragraph includes a reference to heptachlor epoxide. Heptachlor epoxide risk was addressed in the original SAR so there was no reason to include the compound in the Addendum. The conclusion in the SAR was that there were no exposure pathways and no risk to human health was anticipated.

AOI 33

The text in the Addendum was only intended to address specific issues in the SAR and Addendum No. 1 of the SAR relating to aluminum and iron. All other compounds were addressed in the original SAR.

The Addendum shows the revised paragraph for Section 3.3 of the SAR. The first, third, and final sentences in the Addendum are essentially the same sentences in the SAR. The text of the Addendum (No. 2) provides a sentence (the second sentence in the paragraph) that addresses the aluminum and iron concentrations relative to the "hi-cut" values. The original SAR did not include this reference to the "hi-cuts".

Addendum No. 1, by HLA, concluded that additional investigation of the site is required.