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LETTER REGARDING QUARTERLY GROUNDWATER SAMPLING DECEMBER 2002 NTC
ORLANDO FL
6/22/2003
U S EPA REGION IV



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 4

61 Forsyth Street
Atlanta, Georgia 30303-3104

June 22, 2003

4WD-FFB

Ms. Barbara Nwokike
Southern Division
Naval Facilities Engineering Command
P.O. Box 190010
Charleston, SC 29419-9010

SUBJ: Quarterly Groundwater Sampling, December 2002- OU2, SA2, and SA 52 , Former Naval Training Center Orlando, Orlando, Florida

Dear Ms. Nwokike:

The United States Environmental Protection Agency (EPA) has completed its review of the subject documents.

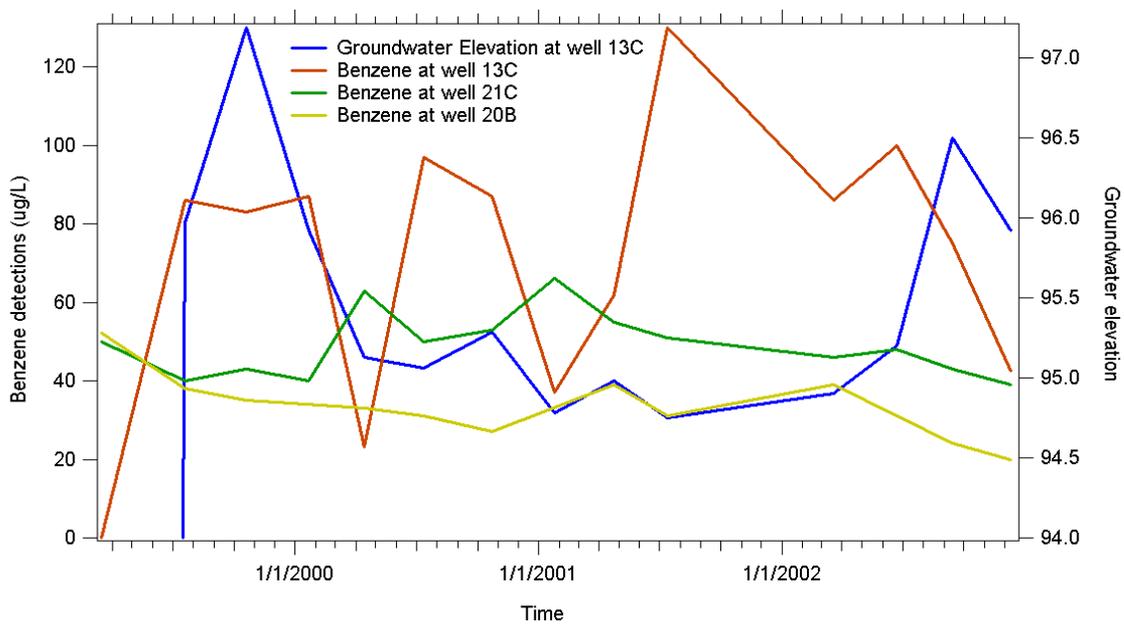
GENERAL COMMENTS:

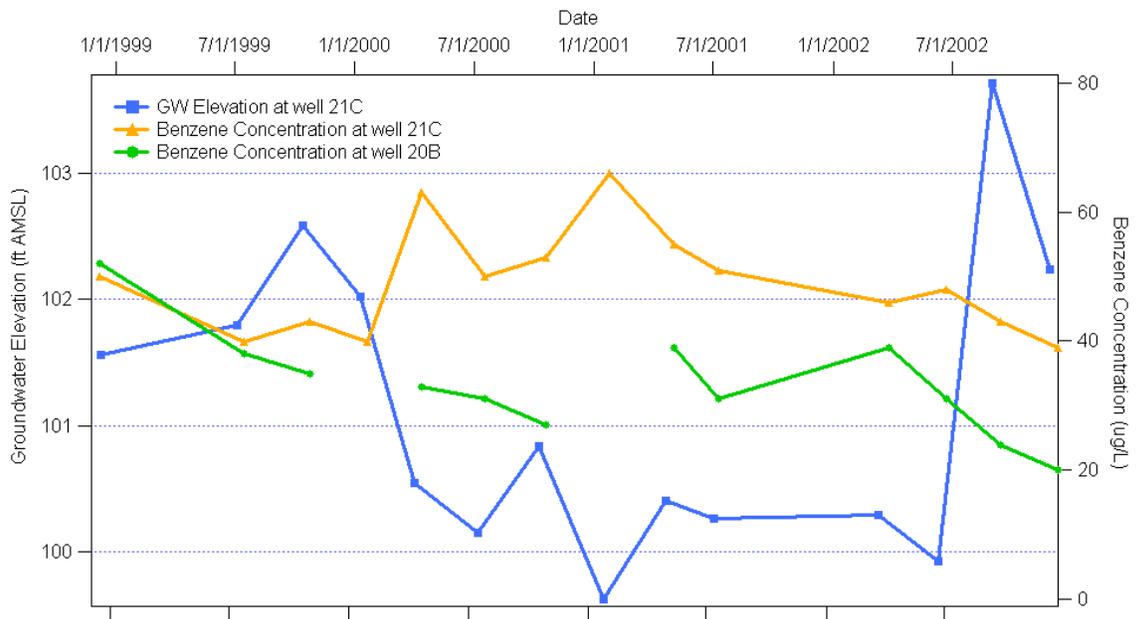
OU-2

The natural attenuation parameters discussed in Section 3.4 of the text describes anaerobic conditions in a general sense, pertaining to the majority of the data provided in the three plumes. Individual anomalies to this generalization are not explained, namely the lower than 1.0 nmol/L of H, 4.4µg/L CH₄, 263mV ORP. The dissolved oxygen is high for an anaerobic plume at 5.28mg/L at 32A in the shallow, lower south plume. This well also shows the lowest concentration of chloride measured at the site. The well 21A is used as an up gradient well for the lower south plume and shows anaerobic conditions consistent with other areas of the site, but the downgradient Wells 32A and 33A, show aerobic conditions. Likewise, Well 31A shows similar contrasts in the upper south plume. The overall measurements at these wells need to be reviewed further to explain the variation in aerobic and anaerobic conditions across the site.

SA-2

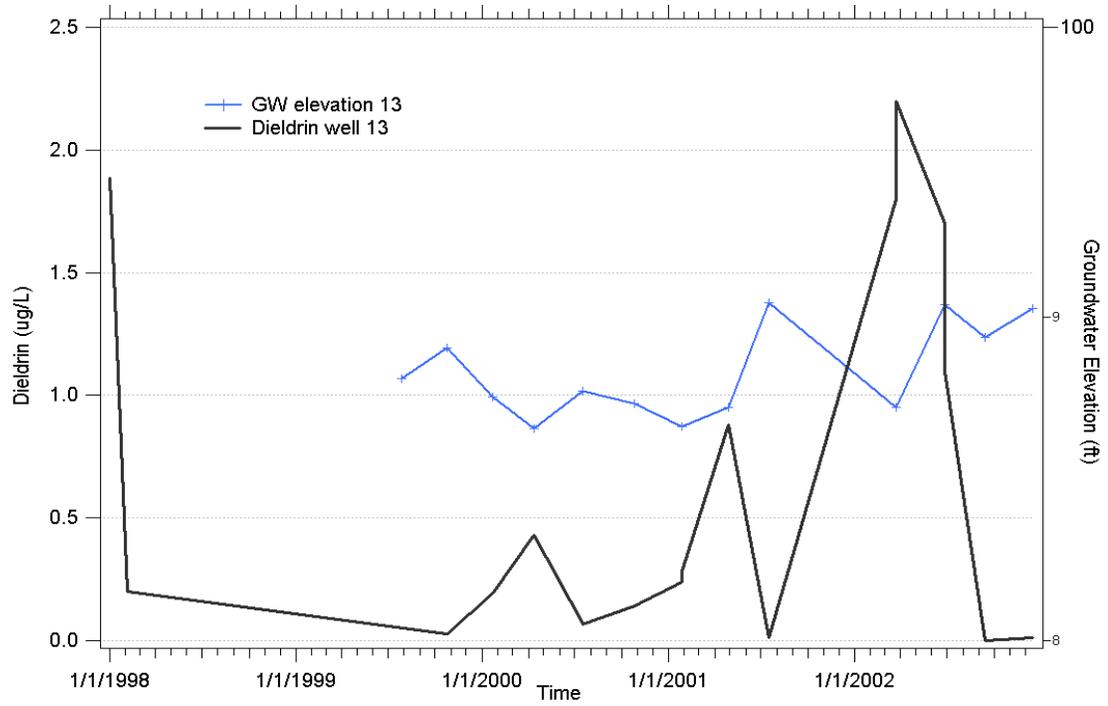
As noted in last quarter's evaluation for SA2, benzene variation in wells 13C and 19C is drastic when compared to measurements at 20B and 21C, which remain fairly constant, but still above the groundwater target cleanup level. Please include an explanation for the variation in the concentrations in more northerly wells as well as an explanation as to why there is no decrease in the southerly wells.





SA-52

The reduction of pesticide levels are noted for SA52, but historical measurements have shown increasing peak concentrations in the first quarter of each year. This should be noted in the text.



If you have any questions, please call me at (404) 562-8544.

Sincerely,

Gregory D. Fraley
Senior Remedial Project Manager

cc:

David Grabka, FDEP