UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION III
841 Ch stnut Building
Philadelphia, Pennsylvania 19107-4431

APR 2 4 1996

Mr. Orlando Monaco
Naval Facilities Engineering Command
Environmental Contracts Branch
10 Industrial Highway
Lester, PA 19113

Re: Naval Air Warfare Center (NAWC), PA

Dear Mr. Monaco:

This letter regards "Revised Subsurface Soil Investigation for Site 1" as proposed by Brown and Root in a letter dated April 12, 1996, and, in particular, provides comments on the proposed, staked boring locations I observed in the field on April 23, 1996.

- The letter of April 12 indicated that before selecting the four boring locations, that "confirmation borings" would conducted. However, the four boring locations had already been selected prior to the performance of the confirmation borings. The four boring locations should be selected based on the confirmation borings as originally proposed. Per a discussion with Chuck Meyer of Brown and Root, the first confirmation boring should be a location measured in the field on April 23, and confirmation borings should then be conducted along a line perpendicular to the fence on either side of this point to determine the approximate center of P1. These confirmation borings should be no more than 10 feet apart, and spacing of less than 10 feet should be considered. Once the approximate center is established (based on field observations), a sample should be collected from the center point boring and, at minimum, and the four boring locations established relative to this point. To maximize the probability that these locations are within the area of P1, the four borings should each be 25 feet east/west and 5 feet north/south of the center point (forming a rectangle with "center point" in the center).

- With regard to TR8, again, the location of borings should be identified based on the results of confirmation borings. A set of boring locations along the projected axis of TR8 were already staked in the field on April 23. The first confirmation boring should be conducted at the location where TCE was detected in soil gas at 8.6 ug/l and then confirmation borings conducted at no more than five foot intervals on either side of this location

perpendicular to the fence to establish the approximate axis of the trench. (Note: Per aerial photos, for most of its length, the trench was no more than an estimated 20 feet in width.) With regard to the spacing of borings along the approximate axis, the staked, estimated locations along the east-west axis were spaced in manner which provided inadequate coverage of the eastern and western end of TR8. To maximize this coverage, we suggest 1) moving the staked boring location east of the trench to the west into the projected location of the trench, 2) increasing the spacing between the other staked locations, and 3) adding a boring between MM4 and P1 (this boring can replace one originally proposed at the location where BTEX was detected at 37 ug/l).

Regarding the test pit at the geophysical anomaly, it is expected that test pitting will be conducted until the feature responsible for the anomaly is found.

Should you have any questions or comments regarding the above, please give me a call.

Sincerely,

Darius Ostrauskas
Remedial Project Manager