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NAS CECIL FIELD, FL
5090.3a

LETTER REGARDING FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
COMMENTS ON CONTAMINATION ASSESSMENT REPORT ADDENDUM FOR NORTH
FUEL FARM NAS CECIL FIELD FL
7/29/1996
FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION



Department of Environmental Protection

Lawton Chiles
Governor

Twin Towers Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Virginia B. Wetherell
Secretary

July 29, 1996

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Commanding Officer
Mr. Bryan Kizer, Code 1842
SOUTHNAVFACENCOM
Post Office Box 190010
North Charleston, SC 29419-9010

RE: Contamination Assessment Report Addendum, North Fuel Farm,
Naval Air Station Cecil Field, Florida

Dear Mr. Kizer:

I have completed the technical review of the Contamination Assessment Report Addendum dated April 1996 (received May 4, 1996) for the North Fuel Farm. The CAR Addendum cannot be approved at this time. In order to meet the requirements of Chapter 62-770, Florida Administrative Code (F.A.C.) the following comments need to be addressed:

1. Page iv, third bullet, the average pore water velocities for the shallow and intermediate portions of the surficial aquifer have been transposed. These should be corrected.
2. Page iv, fourth bullet, the volume and dates of the excavation of excessively contaminated soil on the west side of the Fuel Farm should also be referenced
3. Page iv, eighth bullet, to date, the associated pipelines around the Fuel Farm have not been inspected for leaks. This statement should be omitted.
4. Page 1-2, Figure 1-1, this figure must include the location of all known underground utilities (including the main fuel pipeline near Avenue A, all underground fuel lines, sanitary sewer, storm sewer, etc.) and their approximate depths, etc. Furthermore, this figure should also include the oil-water separator tank 285 ST and the storm water containment basin described on Page 4-1. If necessary, to provide the appropriate detail, this figure may need to be expanded to E-scale.

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Mr. Bryan Kizer
Page Two
July 29, 1996

5. Page 3-6, Figure 3-3, the stratigraphic column for monitoring well CEF-076-65D is missing the lithologic symbols in the 6th interval.
6. Pages 3-6 and 3-7, Figures 3-3 and 3-4, the author should try and correlate major stratigraphic intervals depicted on these cross-sections.
7. Page 3-13, how does the slug test data collected in 1992 compare with the calibrated USGS Groundwater Model for the facility?
8. Pages 3-25 and 3-26, the average pore water velocities for the shallow and intermediate portions of the surficial aquifer have been transposed. The correct calculated values for the shallow and intermediate intervals are 2.27×10^{-2} ft/day and 1.77×10^{-2} , respectively.
9. Page 4-2, Figure 4-1, the correct value for SB-92 is 0 ppm and not the posted 92 ppm. In addition, there is no basis for closing the 50 ppm isoconcentration contour on the west side of Tank 76B. This should be corrected and be identified as one of several data gaps. Ultimately, additional soil borings may be required to fully delineate the horizontal extent of soil contamination at the site before the RAP is completed.
10. Page 4-7, Figure 4-5, the 50 ppb benzene isoconcentration contour should be dashed on its western side, as there is no data to support closing this contour. This figure should be changed.
11. Page 5-1, Section 5.1, 4th Bullet, as noted in Comments 1 and 8 the average pore water velocities need to be changed for the shallow and intermediate zones.
12. Page 5-1, Section 5-1, the volume of excavated excessively contaminated soil should be noted similar to the bullet describing the excavation on the east side.
13. Page 5-2, Section 5.3, monitoring well 076-51D should be resampled and analyzed for EPA Method 602 before an additional monitoring well is installed 120 feet downgradient.
14. The direct push data collected on the west side of the Fuel Farm including locations, sampling intervals, and results should be submitted.
15. Additional monitoring wells are needed to fully assess the horizontal and vertical extent of groundwater contamination at this site. Three monitoring wells should be installed

Mr. Bryan Kizer
Page Three
July 29, 1996

adjacent to the bioslurping unit with 10 foot screen intervals corresponding to the mapped shallow (35'-50'), intermediate (65'-80'), and deep intervals (100'-110'). These monitoring wells should be sampled and analyzed for the Kerosene Analytical Group. Two intermediate depth monitoring wells or direct push monitoring points should be installed to approximately 80 feet below land surface equidistant to monitoring wells 076-44I and 076-47I and equidistant to 076-47I and 076-68I. These wells or direct push points should be sampled and analyzed for EPA Method 602.

If I can be of any further assistance with this matter, please contact me at (904) 921-9991.

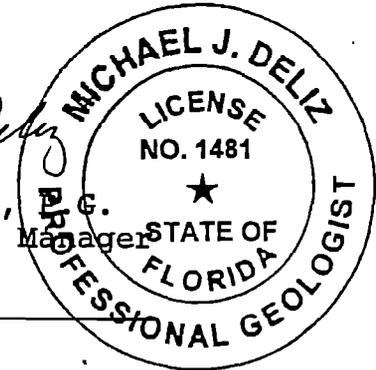
Sincerely,

Michael J. Deliz

Michael J. Deliz, P.E.
Remedial Project Manager

29-JULY-96

Date



CC: Brian Cheary, FDEP Northeast District
Pat Kingcade, FDEP OGC/Natural Resource Trustee File
Debbie Vaughn-Wright, USEPA - Atlanta
Steve Wilson, SOUTHNAVFACENGCOM
Lewis Shields, City of Jacksonville
Rao Angara - ABB-ES
Lisa Routhier - ABB-ES

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