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NAS WHITING FIELD  
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LETTER REGARDING FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
COMMENTS AND RECOMMENDATIONS ON SITE 2894 SITE ASSESSMENT REPORT NAS  
WHITING FIELD FL  
9/16/2008  
FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION



# Florida Department of Environmental Protection

Bob Martinez Center  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Charlie Crist  
Governor

Jeff Kottkamp  
Lt. Governor

Michael W. Sole  
Secretary

September 16, 2008

Mr. Benjamin T. "Tread" Kissam, P.G.  
Department of the Navy  
Naval Facilities Engineering Command Southeast  
Building 903  
NAS Jacksonville  
Jacksonville, Florida 32212-0030

**RE: Site Assessment Report for Site 2894, Naval Air Station Whiting Field, Milton, Florida (Tetra Tech NUS, Inc., June 21, 2007)**

Dear Mr. Kissam:

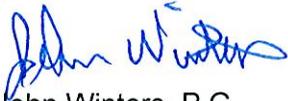
I have reviewed the above document dated June 21, 2007 (received on August 7, 2008). Site 2894 is a bulk fuel storage facility that includes Building 2894 (pump house), two Above-Ground Storage Tanks (ASTs), a truck fill stand, and associated active and abandoned product transfer lines. Building 2894 is a pump house used to transfer Jet Petroleum #5 (JP-5) from tanker trucks to ASTs 2891 and 2892. The purpose of this Site Assessment Report (SAR) was to document Tetra Tech NUS, Incorporated's (Tetra Tech) site assessment activities while investigating an area northeast of Site 2894 where free product was detected during a groundwater monitoring event in March of 2004. I concur with Tetra Tech's conclusions and recommendations as presented in this SAR. However, I do have the following comments.

1. Please provide FDEP/me with the ABB 1993 Contamination Assessment Report (CAR), or the pertinent tables and/or figures which accurately depict their findings.
2. Please list the permanent and temporary monitoring wells that are going to be sampled in the future (currently on a semi-annual sampling event schedule).
3. Please conduct groundwater level measurements for all of the permanent and temporary monitoring wells that are nearby the site and also monitor them for the presence of free product.
4. Please have Tetra Tech oversight on site when replacing monitor well WHF-2894-MW7 for their expertise in determining if free product can be detected on/in the annulus material of this well. Also, the replacement monitor well should have a ten foot screen (is a fifteen foot screen needed?) and be placed just into the clay layer (approximately 6").

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Site Assessment Report  
Naval Air Station Whiting Field, Site 2894  
September 16, 2008

Thank you for the opportunity to review this document. If you require additional clarification or other assistance please feel free to contact me at 850/245-8999.

Sincerely,



John Winters, P.G.  
Remedial Project Manager

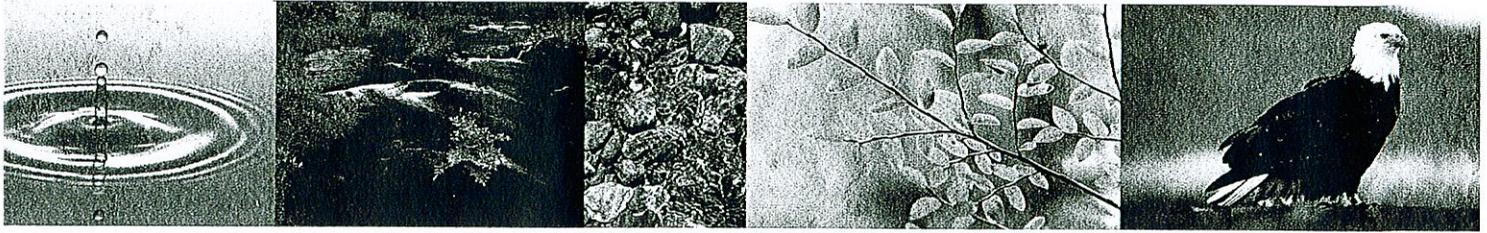
JJC 

ESN 

cc Tim Bahr, FDEP, Tallahassee

# Comprehensive Long-term Environmental Action Navy

CONTRACT NUMBER N62467-94-D-0888



Rev. 0  
06/21/07

## Site Assessment Report for Site 2894

Naval Air Station Whiting Field  
Milton, Florida

Contract Task Order 0373

June 2007

BUREAU OF WASTE CLEANUP  
RECEIVED

AUG 07 2008

FEDERAL PROGRAMS SECTION



NAS Jacksonville  
Jacksonville, Florida 32212-0030

## 5.0 CONCLUSIONS AND RECOMMENDATION

### 5.1 CONCLUSIONS

The following conclusions are based on the results of the Site Assessment and previous investigations:

- OK • Results of fixed-base soil sample analysis (WHF-2894-SLB0318) indicate no contaminated soil at WHF-2894-B03 at a depth of 18 ft as defined by Chapter 62-770.200(7), F.A.C. Contaminants do not appear to be leaching from the soil at this location and depth interval.
- ISN'T THIS MWS? FROM PRE JOBS  
• Soil with the most elevated contaminant concentrations, as delineated in the 1993 CAR, are present near monitoring well WHF-2894-MW-6. This contamination is below the upper clay in the sand above the upper water-bearing zone. This well is not included in the semi-annual sampling program and was last sampled in 1993, so current conditions are unknown. If downward migration occurs at this location, it may impact the upper water-bearing zone.
- OK • DPT FID screening results indicate excessively contaminated soil, as defined by Chapter 62-770.200(12), F.A.C, in the shallow, perched water-bearing zone. Excessive soil contamination is present on both the eastern and western sides of WHF-2894-MW-7 at depths of 6 to 28 ft bls. Although the screening results indicate no soil contamination adjacent to WHF-2894-MW-7 at 75 ft bls, free product has been observed in monitoring well WHF-2894-MW-7. WHF-2894-MW-7 penetrates the upper clay and may act as a vertical conduit and potentially channel free product to the previously uncontaminated upper water-bearing zone at 75 ft bls.
- OK • Groundwater was present in only 6 of 10 shallow temporary wells during the sampling event. Free product sheen was observed on perched groundwater in temporary well WHF-2894-B08.
- OK • Soil samples locations collected from the perched water bearing zone which were identified as having the greatest FID readings also had GCTL leachate exceedances, suggesting that contaminants may leach at these locations. Groundwater results in the shallow, perched water-bearing zone indicate GCTL exceedances on both the eastern and western sides of WHF-2894-MW-07.

### 5.2 RECOMMENDATIONS

Based on the above conclusions, the following recommendations are proposed:

OK

- Replacement of monitoring well WHF-2894-MW-7 by over drilling. WHF-2894-MW-7 may be acting as a vertical conduit for free-product into the previously uncontaminated upper water-bearing zone at approximately 75 ft bls. A replacement monitoring well should be constructed with surface casings set two feet into the upper clay prior to monitoring well installation to prevent the downward migration of contaminants.

- 10 FOOT SCREEN (AT MOST) W 26 INCHES INTO THE CLAY LAYER

YES

- During removal of WHF-2894-MW-7 the outer well should be examined to determine if product can be detected on the annulus material indicating possible migration along the annulus.

YES

- Add monitoring well WHF-2984-MW-6 to the semi-annual sampling to determine if contamination is leaching to the water table at this location.

WHERE IS THIS INTO?

YES

- Monitor all temporary wells for the presence of water and/or free product.

SEMI ANNUALLY?

YES

- Continuation of semi-annual groundwater monitoring by AEROSTAR . No additional assessment by TtNUS is recommended at this time.