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UNDERGROUND STORAGE TANK CLOSURE LETTER REPORT FOR TANK 1276C AT  
TRUMAN ANNEX BUILDING 1276 VOLUME 1 OF 2 TEXT NAS KEY WEST FL  
9/12/1995  
OMEGA ENVIRONMENTAL SERVICES INC



OMEGA ENVIRONMENTAL SERVICES, INC.

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September 12, 1995

**Subject:        Underground Storage Tank Closure  
                  Naval Air Station, Key West, Florida  
                  Tank 1276C  
                  Contract No. N62467-93-C-0645**

Omega Environmental Services is pleased to submit this closure report and Closure Assessment form 17-176.900(6) to Mark Ewing, Key West, NAS Project Manager. We recommend that this report be submitted to the following offices.

**Florida Department of Environmental Regulations  
South District Office  
2269 Bay Street  
Ft. Myers, Florida 33901-2896**

**Bob Turner  
Monroe County Public Health Services  
P.O. Box 6193  
Key West, Florida 33041-6193**

It is my professional opinion that this report meets the Florida Department of Environmental Regulations reporting requirements for Underground Storage Systems, and also meets the specifications required by the Department of the Navy described in contract N62467-93-C-0645, Section 02082, p.3.23 (Closure Reports).

Omega Environmental Services greatly appreciates the opportunity to assist Naval Air Station, Key West, Florida in the Closure of the underground storage tanks associated with this project. If you have any questions do not hesitate to call for further assistance.

Sincerely,

A handwritten signature in black ink, appearing to read 'C. H. Moss', is written over the typed name.

**C. H. Moss, PE  
Professional Engineer**

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## **1.0 Site Information**

On August 14, 1995 Omega Environmental Services removed one underground storage tanks [ 1276C ] located at the Truman Annex Naval Air Station, Building 1276 in Key West, Florida. The tank was constructed of fiberglass and had a capacity of ten thousand gallons. The tank was used for gasoline storage and was located under a concrete slab with supply and return lines running to the south to an existing fuel dispenser island. The tank contained six thousand gallons of liquid at the time of removal and was currently out of use.

Omega Environmental Services was contracted by the U. S. Navy to remove the tank and associated piping in the excavation and compile all associated reporting and site closure information. The ground water was assessed to be less than twenty feet from the surface which required sampling to comply with FDER regulations. The installation of a ground water monitoring well was performed after the removal process and the samples were sent to Envirolab, Ormond Beach, Florida for analysis.

## **2.0 UST Removal**

On August 14, 1995 OES prepared the location for removal of the tanks. EMC Waste Oil Corporation was obtained to remove the liquid from the tank for transport to Rinkers Material, Miami, Florida for disposal. A total of six thousand gallons of liquid was shipped for disposal [see shipping log Appendix 5]. The soil was removed to expose the top of tank which was three feet below the ground surface. The remaining piping was disconnected from the tank. and was rinsed and removed to the limits of the excavation. The soil was excavated down the sides of the tank and the hold down straps were cut to allow the tank to be removed. The tank was checked for the presence of a hazardous atmosphere and found to be safe for removal. The tank was removed from the excavation and loaded onto a truck for transport to a lay down area for processing for disposal. Omega Environmental Services then backfilled the excavation with fill dirt compacting the soil back to the original grade in one foot lifts. The tank was cut into sections and shipped for disposal.

During the tank removal process Bob Turner of the Monroe County Health Department and Jim Simmons Key West Naval Air Station Storage Tank Manager visited the site to observe the closure of the tanks, and the soil testing procedures. Also Felix Petitt and Mark Ewing of the ROICC office made daily visits to the site to observe the quality of work during the removal process.

## **3.0 Soil Screening**

The Soil was tested for total hydrocarbons using a Foxboro 108 FID Monitor by John Mount of OES. Sampling was conducted throughout the removal process on the soil. The monitor was allowed to warm up for twenty minutes before calibration. 98 ppm Methane gas was used to calibrate the instrument before testing. The background reading

was recorded in the area before sampling was initiated. Samples were taken using latex gloves and placed in pint jars with an aluminum foil cover. The samples were then placed in an ice chest to allow the temperature to equalize. The location of the side wall samples were chosen to be the closest to the tank with a depth that would most likely be contaminated by leaking fuel. Sampling was conducted at the top of the groundwater level to detect any fuel floating on the water. Samples were taken along the piping and at the fill ports and other locations as specified by the FDER. The samples were numbered and locations recorded along with other information. The samples were then screened using the Foxsboro 108 and the sample data recorded. The sample results are listed in Appendix 2 of this document. All data was recorded in a bound field log at the time of sampling and the field log is available upon request for review by Regulatory Agencies. The sample locations are indicated on the site plan, Appendix 1. Head-space sampling was performed in accordance with FDER Quality Assurance Standard Operating Procedures for Petroleum Storage System Closure Assessments, Section III and IV Respectively.

Water samples were taken after the monitoring well was installed. Two inch PVC piping was used for the monitoring well and it was installed by Omega Environmental Services.. After installation of the well 15 gallons of water was pumped from the well, five times the volume, and the sample bottles were filled for analysis. The samples were shipped, with ice as a preservative, by Federal Express with a Chain of Custody to Envirolab, Ormond Beach, Florida. Sample results are listed in Appendix 4.

#### **4.0 Conclusions**

Based on discussions with Bob Turner [Monroe County Health Department] at the site and considering the attached sampling results we are of the opinion that the tank was closed in accordance with FAC Chapter 62-761 Underground Storage Tank Systems. The ground water analysis and OVA readings reveals very little contamination and it is Omega Environmental Services opinion that no further remediation is necessary at this location based upon the information compiled during the tank removal process.