



DEPARTMENT OF THE AIR FORCE  
27TH SPECIAL OPERATIONS MISSION SUPPORT GROUP (AFSOC)  
CANNON AIR FORCE BASE NEW MEXICO

 ENTERED

Lt Col Anthony S. Figiera  
Commander, 27 SOCES  
506 N Air Commando Way  
Cannon AFB NM 88103

MAY 13 2014

Mr. John Kieling  
Chief Hazardous Waste Bureau  
New Mexico Environment Department  
P. O. Box 26110  
1190 St Francis Drive  
Santa Fe NM 87502

RECEIVED

MAY 15 2014

NMED  
Hazardous Waste Bureau

Dear Mr. Kieling

This letter provides notification to your bureau regarding a contaminated area located at the former heating tanks, Building 3121, Melrose Air Force Range (MAFR). Records review indicates two tanks (Attch 1) were constructed for the heating system at this location. These tanks were formerly registered with the NMED Storage Tank Bureau.

The tanks were removed in 1994 and soil samples were collected and analyzed. The results of the analysis revealed no contamination below 61 feet (Attch 2). MAFR is an active training range and this site is deferred. This site is identified as ST-C506.

If you have any questions regarding this letter, please contact Mr. Ron Lancaster, Chief, Installation Management Flight at (575) 784-1146.

Sincerely

  
ANTHONY S. FIGIERA, Lt Col, USAF

Attachments:

- Attch 1- January 1992 Memorandum
- Attch 2 - ST-C506 Eligibility Report

MEMO ON THE USTs AT 3121

1. HISTORY: The drawings show several USTs at the Melrose range facilities. The following lists the known ones and some possible "unknown" ones.

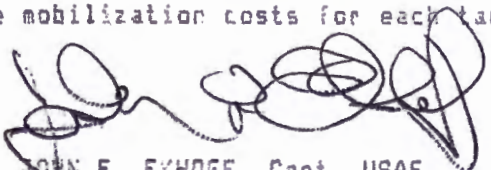
A. Gas Station USTs: This consist of one diesel tank and one gas tank. CE Liquid Fuels maintenance shows the UST size to be 1050 gallons each. Both tanks have had overfill protection installed. One "Tracer" type leak detector exists between the fill caps, however the "Tracer" corporation's sample collector will not go to Melrose. The Melrose location would be an excellent choice for the replacement of these two USTs with state of the art above ground tanks.

\* B. Heating Oil USTs: This pair of USTs are on the west side of the range office building. Only one of these of 275 gallons is shown on the drawings. Personnel at the range state that there are two tanks buried right next to each other. Since there are two vents on the building this may very well be true. These tanks are somehow supposed to be connected together so only one fill spout is used. If this is true the extra plumbing connections pose a higher risk of leaking simply because of all the extra pipe and pipe connections. One of the men stated that over 300 gallons of fuel was recently put in the tank, and since this is more than what is shown on the drawings, the drawings must be wrong or we got a leaker. Replacing the heating system with propane would be our best bet.

C. Water Storage USTs: I'm listing the water storage USTs to avoid confusion and alert the UST program to a possible problem. There are two water USTs one is active and one is inactive. The inactive tank could be a problem if it is empty and someone in the future decides to use it for a waste repository. Range personnel told me the tank was full of sand, however I could not remove the bolted down cover so I did not verify this.

D. Demolished Buildings: During the 1940's several more buildings existed to the west of the present facilities. How these buildings were heated is unknown. If there were any USTs is also unknown. No drawings or pictures have been located as of the date of this memo. Considering the lack of information and possible location of these possible USTs searching this area would be the lowest priority in my UST program.

2. PROBLEMS: If there were two fuel oil USTs installed the risk of a leaker is higher. However these USTs do not have to be registered as of the date of this memo. Since accurate drawings do not exist contractor problems may arise upon removal of the fuel oil USTs. Furthermore with the remote location removal costs will be higher because of all the dead time involved in going back and forth. If all the tanks can be replaced at once this would reduce the mobilization costs for each tank.

  
JOHN F. EKHOFF, Capt. USAF  
Environmental Engineer.

Jan. 09, 1992.

**VOLUME II**  
**FINAL EVALUATION REPORT**

**CANNON AIR FORCE BASE**  
**U.S. Environmental Protection Agency**  
**Region 6**  
**Air Force Special Operating Command**

**Air Force Compliance Clean-Up Sites, Identification and Evaluation of Defense  
Environmental Restoration Account (DERA) Eligibility for Air Force Center for  
Engineering and the Environment (AFCEE), Multiple Locations**

**Contract No. W912QR-04-D-0025**  
**Task Order DS03**

**August 2009**

**Prepared for:**  
**U.S. Army Corps of Engineers Tulsa District and**  
**Air Force Center for Engineering and the Environment**



**Prepared by:**  
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**URS**

### **3.35 MELROSE ADMINISTRATIVE BUILDING FORMER UST (ST-C506)**

#### **3.35.1 Site Description**

The Melrose Administrative Building Former UST (ST-C506) site contained a 275-gallon heating oil UST located west of Building 3121 at the Melrose Bombing Range. The UST and some contaminated soil were removed in November 1994. Subsequent sampling in April to August 1995 identified additional soil contamination. An actual date of the release cannot be determined; however, it is believed to have occurred during the service life of the tank. A maximum TPH-DRO concentration of 25,000,000 µg/kg was discovered in bore hole No. 3 at a depth of 19 to 21 feet bgs (USGS 1995).

#### **3.35.2 Sampling and Analysis Activities**

No sampling activities were recommended or completed for this site under this project task order.

#### **3.35.3 Evaluation and Recommendation**

Site ST-C506 is located on land owned by the U.S. and under the jurisdiction of the Secretary of Defense and was owned by the U.S. and under the jurisdiction of the Secretary of Defense at the time of contamination. There was a release of POL at the site. In addition, no site activities met any ineligibility criteria discussed in the Background section in Volume I of this Evaluation Report. Based on these factors, this site is considered DERA(IR) eligible and is recommended for validation. Additional details concerning specific DERA(IR) eligibility criteria evaluated for this site are included in Appendix D.

**PHOTOGRAPHIC LOG – Cannon Air Force Base, New Mexico**

**Client Name:**  
USACE – Tulsa District; Contract  
W912QR-04-D-0025, Task Order DS03

**Site Location:**  
Former UST at Melrose Bombing Range  
(ST-C506)

**Project No.**  
16170415

**Photo No.**  
1

**Date:**  
02/18/09

**Description:** Former  
UST at Melrose facing  
east



**Photo No.**  
2

**Date:**  
02/18/09

**Description:**  
Former UST at Melrose  
facing west

