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ENTERED

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

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Commander
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Mr. Daniel Comeau
Hazardous Waste Bureau
New Mexico Environment Department
2905 Rodeo Park Drive East Bldg 1
Santa Fe NM 87505-6063

Dear Mr. Comeau

Please see attachment for the *Corrective Action Complete Proposal - Three Solid Waste Management Units (SWMU), Cannon AFB, New Mexico*. If you have any questions regarding this submittal, please contact Mr. Ronald Lancaster, Chief, Asset Management Flight at (575) 784-1146 or Mr. Mokhtar Gaballa, Restoration Program Manager at (575) 784-0491.

Sincerely

DAVID C. PIECH, Colonel, USAF
Commander

Attachment:

Final Corrective Action Complete Proposals, Cannon Air Force Base, Clovis New Mexico

cc:

Environmental Protection Agency, Region VI, Ms. Wendy Jacques w/o Attachment

Final
Corrective Action Complete Proposals
Cannon Air Force Base, Clovis, New Mexico

March 2013

Revision 0

Prepared for:

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Omaha District
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Final Corrective Action Complete Proposals, Cannon Air Force Base, Clovis, New Mexico

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ATTACHMENTS

- Attachment 1: NMEID Report Forms, Laboratory Analytical Results for Soil Samples Collected During the Removal of Tank 390 (SWMU 71), and Photographs of Removal Process
- Attachment 2: NMEID Report Forms and Laboratory Analytical Results for Soil Samples Collected During the Removal of Tank 3 (Building 163 Heating Oil Tank) (SWMU 126)
- Attachment 3: Facility 4095 Wash Rack and Leach Field Area Plan

ACRONYMS

AFB	Air Force Base
AOC	Area of Concern
AR	Administrative Record
CAC	Corrective Action Complete
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFR	Code of Federal Regulations
CMS	Corrective Measures Study
EPA	Environmental Protection Agency
HSWA	Hazardous and Solid Waste Amendments
mg/Kg	milligrams per kilogram
msl	mean sea level
NFA	no further action
NMAC	New Mexico Administrative Code
NMED	New Mexico Environment Department
NMEID	New Mexico Environmental Improvement Division
OWS	oil/water separator
POL	petroleum, oil, and lubricants
RCRA	Resource Conservation and Recovery Act
RFA	RCRA Facility Assessment
RFI	RCRA Facility Investigation
SSL	soil screening level
SWMU	Solid Waste Management Unit
TPH	total petroleum hydrocarbon
USAF	United States Air Force
UST	underground storage tank
VOC	volatile organic compound

Final Corrective Action Complete Proposals Cannon Air Force Base, Clovis, New Mexico

INTRODUCTION

Under authority of the New Mexico Hazardous Waste Act (Section 74-4-1 *et seq.*, New Mexico Statutes Annotated 1978, as amended, 1992) and the New Mexico Hazardous Waste Management Regulations 20.4.1 New Mexico Administrative Code (NMAC), the New Mexico Environmental Department (NMED) intends, pending public input, to approve a permit modification for the United States Air Force (USAF) Cannon Air Force Base (AFB) for “Corrective Action Complete (CAC) Without Controls” status for three Solid Waste Management Units (SWMUs): SWMU 71, SWMU 126, and SWMU 128. These sites are listed on the Resource Conservation and Recovery Act (RCRA) Part B Permit pursuant to 40 Code of Federal Regulations (CFR) 270.42(c) of the Hazardous and Solid Waste Amendments (HSWA) of 1984.

If approved, NMED will initiate a modification of Cannon AFB’s RCRA permit to adjust the content of the three corrective action tables (Attachment 1 of Cannon AFB’s RCRA Permit). The tables list the status of SWMUs and areas of concern (AOCs) at the Base. Their content is as follows:

- Table 1 – List of SWMUs and AOCs Requiring Corrective Action (corrective action may be necessary to characterize and/or remediate past releases of hazardous wastes or hazardous constituents).
- Table 2 – List of SWMUs and AOCs Not Currently Requiring Corrective Action, Without Controls (corrective action has been completed and further corrective action is not currently required; no controls are required).
- Table 3 – List of SWMUs and AOCs Not Currently Requiring Corrective Action, with Controls (corrective action has been completed and further corrective action is not currently required; controls are required). Note: The current RCRA permit (#NM7572124454) does not contain a Table 3. Table 3 will be added to the 2013 iteration of the RCRA permit.

The proposed modification would grant CAC Without Controls status for three SWMUs. The following SWMUs would move from Table 1 to Table 2 (Attachment 1 of Cannon AFB’s RCRA Permit):

- SWMU 71 – Recovered JP-4 Fuel Tank No. 390.
- SWMU 126 – Inactive Underground Storage Tank No. 3.
- SWMU 128 – Oil/Water Separator (OWS) Near Tank 4095 (#2) and Leach Field.

All of the SWMUs addressed by this document, and the applicable NMED CAC criteria (presented in Section D) for their closure are listed in Table 1.

Table 1. List of SWMUs and NMED criteria for closure.

Section H Sub-section	SWMU	Description	NMED Criterion
1	SWMU 71	Recovered JP-4 Fuel Tank No. 390	3
2	SWMU 126	Inactive Underground Storage Tank No. 3	3
3	SWMU 128	OWS Near Tank 4095 (#2) and Leach Field	1,5

A. Facility Description

Cannon AFB is located in Curry County, New Mexico, approximately 7 miles west of the City of Clovis (Figure I-1). The Base is situated on approximately 4,320 acres of land. Cannon AFB is located on a nearly flat plain sloping gently (10 to 15 feet per mile) to the east and southeast. Elevation in the vicinity of Cannon AFB ranges from 4,250 feet to 4,350 feet above mean sea level (msl).

Cannon AFB dates to 1929 when Portair Field was established on the site as a civilian passenger terminal for early commercial transcontinental flights. In 1942, the Army Air Corps took control of the civilian airfield and it became known as Clovis Army Air Base. In early 1945, the Base was renamed Clovis Army Air Field. Flying, bombing, and gunnery classes continued until the Base was deactivated in May 1947.

The Base was reassigned to the Tactical Air Command and formally reactivated as Clovis AFB in 1951 and was renamed Cannon AFB in 1957. Several fighter-bomber groups and tactical fighter wings have occupied the Base since 1951. In June 2006, it was announced that Cannon AFB would transfer from the Air Combat Command and become an Air Force Special Operations Command Installation.

B. History of Investigation

The United States Environmental Protection Agency (EPA) issued the HSWA Module IV to the RCRA Operating Permit effective December 17, 1989. The HSWA module required investigation of approximately 130 environmental restoration sites, referred to as SWMUs and AOCs in the permit. In January 1996, NMED received authorization for corrective action under the HSWA and became the administrative authority for this action.

Section H of this document briefly describes the location and history of each SWMU, a summary of relevant information from previous site investigations, and the basis for determination for each SWMU proposed for CAC Without Controls.

C. Administrative Record

This document describes three SWMUs that were identified as appropriate for CAC Without Controls determination. In summary, three sites will be listed in Table 2 (SWMUs and AOCs not requiring corrective action) of Cannon AFB's RCRA Permit, and three sites will be removed from Table 1 (SWMUs and AOCs requiring corrective action) of Cannon AFB's RCRA Permit.

The Administrative Record (AR) for this proposed action consists of Cannon AFB's Permit Modification Request; the draft permit consisting of Tables 1, 2, and 3; the Corrective Action Complete proposals; the Public Notice; and the referenced supporting documentation for each site. References are listed in Section I. The complete AR may be reviewed at the following location during the public comment period:

NMED – Hazardous Waste Bureau
2905 Rodeo Park Drive East, Building 1
Santa Fe, New Mexico 87505-6303
(505) 428-2500 Monday – Friday from 8:00 a.m. to 5:00 p.m.

The Corrective Action Complete Proposals, Cannon AFB’s Permit Modification Request, the Public Notice, and the draft Permit consisting of Tables 1, 2, and 3 may be reviewed at the following locations during the public comment period:

NMED – Hazardous Waste Bureau
2905 Rodeo Park Drive East, Building 1
Santa Fe, New Mexico 87505-6303
505 428-2500
Monday – Friday from 8:00 a.m. to 5:00 p.m.

Carver Public Library
701 North Main Street
Clovis, New Mexico 88101
Phone 505-769-7840
library@cityofclovis.org

D. Corrective Action Complete Criteria

NMED’s determination that corrective action is complete at these sites is based on reports submitted by Cannon AFB that demonstrate that no additional corrective action is required to protect human health and the environment. General criteria that NMED considers include:

1. The SWMU/AOC cannot be located, does not exist, or is a duplicate SWMU/AOC.
2. The SWMU/AOC has never been used for the management (i.e., generation, treatment, storage, or disposal) of RCRA solid or hazardous wastes and/or constituents or other Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) hazardous substances.
3. No release to the environment has occurred or is likely to occur in the future from the SWMU/AOC.
4. There was a release from the SWMU/AOC to the environment; however, the site was characterized and/or remediated under another authority that adequately addressed the corrective action, and documentation (i.e., closure letter) is available.
5. The SWMU/AOC has been characterized or remediated in accordance with current applicable state and/or federal regulations, and the available data indicated that contaminants pose an acceptable level of risk under current and projected land use.

E. Public Participation

A public meeting arranged by Cannon AFB was held on 5 March 2013 in accordance with 20.4.1.901 NMAC. Subsequent to the meeting, no written comments were submitted to the NMED. NMED issued a public notice on _____ to announce the beginning of a 45-day comment period that will end at 5:00 p.m. on _____. Any person who wishes to comment on this action or request a public hearing should submit written or electronic mail (e-mail) comment(s) with the commenter’s name and address to the address below. Only comments and/or requests received on or before 5:00 p.m. _____ will be considered.

John E. Kieling, Chief
Hazardous Waste Bureau – New Mexico Environment Department
2905 Rodeo Park Drive East, Building 1
Santa Fe, NM 87505-6303
Or e-mail: john.kieling@state.nm.us
RE: CAFB – Corrective Action Complete (SWMUs 71, 126, and 128)

Written comments must be based on the AR. Documents in the AR need not be re-submitted if expressly referenced by the commenter. Requests for a public hearing shall provide: (1) a clear and concise factual statement of the nature and scope of the interest of the person requesting the hearing; (2) the name and address of all persons whom the requestor represents; (3) a statement of an objections to the proposed action, including specific references; and (4) a statement of the issues which such person proposes to raise for consideration at the hearing. Written comment and requests for a Public Hearing must be filed with Mr. John Kieling on or before 5:00 p.m. on _____ at the NMED Hazardous Waste Bureau at the address listed above. NMED will provide a thirty (30)-day notice of a public hearing, if scheduled.

F. Next Steps

NMED will notify Cannon AFB and each person on the public comment mailing list of the final decision. The final decision will become effective 30 days after service of the decision, unless a later date is specified or unless review is required under New Mexico Hazardous Waste Regulations, 20.4.1.900 NMAC.

G. Contact Person for Additional Information

For additional information, contact the following individual:

Dan Comeau
NMED, Hazardous Waste Bureau
2905 Rodeo Park Drive East, Building 1
Santa Fe, NM 87505-6303
Telephone: (505) 476-6043 Fax: (505) 428-2567
E-mail: dan.comeau@state.nm.us

H. SWMU Descriptions

The following subsections describe the location, history, and land use conditions for each SWMU. A summary of relevant information from previous investigations and a basis for CAC determination for the three sites also are presented in this section. A site map showing all three SWMUs is presented as Figure I-2 in Section I.

1. SWMU 71 – RECOVERED JP-4 FUEL TANK NO. 390

Location of Recovered JP-4 Fuel Tank No. 390

Tank 390 was formerly located in the Bulk Storage Area in the Cantonment Area, Cluster H (A.T Kearney, Inc., 1987) (AR 331, P 6-77) (Figure I-3).

History/Current and Anticipated Future Land Use

SWMU 71 (Tank 390) was an underground 2,000-gallon steel tank that began operation in 1976. The tank was used to store JP-4 fuel that escaped through pressure relief valves in the piping attached to the bulk fuel storage tanks. The fuel was periodically removed from the tank and returned to the bulk JP-4 storage tanks (Cannon AFB, 1995) (AR 1638, P. A-10). The tank was never used to store waste.

There is no record of any leaks or spills associated with the site. A Tracer leak detection system was installed with the tank piping. The Tracer system never reported any leakage from the tank or piping (see Attachment 1).

An underground storage tank (UST) Closure Notice was provided for Tank 390 via telephone to the NMED on January 8, 1991. The notification call was received by Mr. Joe Harerra (see a copy of the UST Closure Notice: Memorandum of Telephone Call/Verbal Notice in Attachment 1). The tank was removed on January 14, 1991. A letter was sent to Mr. Ron Castleberry with the New Mexico Environmental Improvement Division (NMEID) describing the UST removal activity (see Attachment 1). The required NMEID UST closure report forms were submitted with the letter. Copies are contained in Attachment 1. The NMEID UST removal reporting forms were submitted to NMEID on January 28, 1991. Copies of all forms are contained in Attachment 1.

Tank 390 was removed successfully on January 14, 1991. The tank was inspected by Mr. Rick Crow with Cannon AFB and found to be sound with no evidence of any leaks. Photographs were taken of the removal activities and of the removed tank. These photographs are included in Attachment 1. Two soil samples were collected: one at 2 feet below ground surface and one at the bottom of the excavation. Soil samples were analyzed via EPA Method 8240 for volatile organic compounds (VOCs). All results were non-detect (below the method detection limits). Copies of the laboratory reports are contained in Attachment 1. In the 2000 Management Action Plan (Cannon AFB, 2000) (AR 798, P. 3-9), and in the 2001 Management Action Plan (Cannon AFB, 2001) (AR 828, P 2-10) SWMU 71 was determined to be appropriate for no further action (NFA). In January 2004, NMED concluded that the SWMU may qualify for NFA; however, the NMED indicated that the NFA petition conclusions should be documented in a report (NMED, 2004) (AR 874 P. 9). SWMU 71 was identified in Cannon's RCRA Permit decision letter dated February 27, 2006 (NMED, 2006a) (AR 1393, P. 1-2) (www.nmenv.state.nm.us/HWB/cafbperm.html) as requiring additional corrective action before the site can be petitioned for CAC. A Site-Specific Health and Safety Plan/Accident Prevention Plan for Final Closure of SWMUs 70, 71, 126, and 128 was developed in December 2008 for final closure of SWMU 71 (North Wind, 2008) (AR 1135). The Work Plan for Final Closure of SWMUs 70 and 71 indicated that UST removal records had been located for the UST -71 and that a Corrective Action Complete Proposal should be prepared for the site (North Wind, 2010) (AR 1622, P. 4). Since the UST removal paperwork had been located (see Attachment 1) further field work was not performed.

In 1991 a new OWS was installed at the former Tank No. 390 location (URS Greiner Woodward-Clyde, 2000a) (AR 786, P. 35-1). The new OWS is installed in a concrete vault covered with a steel grate. Further information regarding the installation of this OWS could not be located. Current land use is industrial and is related to the bulk fuel storage system, therefore land use classification will remain industrial.

Evaluation of Relevant Information – SWMU 71

Because Tank 390 was never used for the management of wastes, it was not an SWMU. Storage tanks are not included in the definition of an SWMU as defined in the following excerpt from the RCRA Facility Assessment (RFA) Guidance (USEPA, 1989): “The definition does not include... units in which wastes have not been managed (e.g., product storage areas). In addition the Building 390 UST was removed per NMEID protocol on 14 January 1991. The tank was in good condition with no evidence of leakage. Soil samples were collected from the soil around and beneath the tank. These samples were analyzed for VOC via EPA 8240. All results were non-detect. All UST removal documentation is attached at Attachment 1).

Basis of Determination

SWMU 71 is proposed for CAC Without Controls based on NMED CAC Criterion 2 and 5 (see Section D): The SWMU/AOC has never been used for the management (i.e., generation, treatment, storage, or disposal) of RCRA solid or hazardous wastes and/or constituents or other CERCLA hazardous substances, and the SWMU/AOC has been characterized or remediated in accordance with current applicable state and/or federal regulations, and the available data indicated that contaminants pose an acceptable level of risk under current and projected land use.

2. SWMU 126 – INACTIVE UNDERGROUND TANK 3

Location of Underground Storage Tank 3

This UST for heating oil was located on the southwest side of Building 163 (see Figure I-2).

History/Current and Anticipated Future Land Use

The heating oil tank for Building 163 originally held diesel fuel (A.T. Kearney, Inc., 1987) (AR 331, P. 6-170). In the 2000 Management Action Plan (Cannon AFB, 2000) (AR 798, P. 3-9) and the 2001 Statement of Basis (NMED, 2001) (AR 806, P. 71), SWMU 126 was determined to be appropriate for NFA. In January 2004 NMED concluded that the SWMU may qualify for NFA, however, the UST must be closed in accordance with NMED UST regulations (NMED, 2004) (AR 874 P. 10). SWMU 126 was identified in Cannon's RCRA Permit decision letter dated February 27, 2006 (NMED, 2006a) (AR 1393, P. 1-5) (www.nmenv.state.nm.us/HWB/cafbperm.html) as requiring additional corrective action before the site can be petitioned for CAC. A Site-Specific Health and Safety Plan/Accident Prevention Plan for Final Closure of SWMUs 70, 71, 126, and 128 was developed in December 2008 for final closure of SWMU 126 (North Wind, 2008) (AR 1135). The UST removal paperwork was subsequently located (see Attachment 2) so further field work was not performed.

Building 163 was demolished in 1987. The heating oil tank for Building 163 was removed successfully on November 4, 1991 under the supervision of Mr. Harry Gunn with the New Mexico Environmental Improvement Division, Underground Storage Tank Bureau Prevention/Inspection Section. Attachment 2 contains copies of the NMEID UST removal report forms. Soil samples were collected from 2 feet below the bottom of the tank at the north and south ends. The samples were analyzed for total recoverable petroleum hydrocarbons via EPA Method 418.1. The soil sample analytical result from the north end of the tank was 22 milligrams per kilogram (mg/Kg). The soil sample analytical result from the south end of the tank was 34 mg/Kg. These concentrations are well below the NMED Total Petroleum Hydrocarbon (TPH) Screening Guidelines (NMED, 2006b) concentration of 520 mg/Kg for diesel fuel and heating oil for residential direct exposure. The concentrations detected in the soil also are below the TPH screening guidelines for vapor migration (880 mg/Kg TPH) listed in the same guidance. The laboratory reports are contained in Attachment 2.

Current land use is industrial. The footprint of Building 160 covers the former UST location. The former location of the UST is beneath the building slab in the east corner of the building (see Figure I-4). Land use classification will remain industrial.

Evaluation of Relevant Information – SWMU 126

The area mis-identified as SWMU 126 was actually a heating oil tank installed in 1958 associated with Building 163. This building was demolished in 1985 and Building 164 subsequently was constructed in its place. The tank was located in front of Hanger 162 (A.T. Kearney, Inc., 1987) (AR 331). Hanger 162 was demolished and the tank was removed following NMED UST regulations on November 4, 1991. No contamination above NMED soil screening levels (SSLs) was encountered during the removal activities. Because the heating oil tank was never used for the management of wastes, it was not an SWMU. Storage tanks are not included in the definition of an SWMU as defined in the following excerpt from the RFA Guidance (USEPA, 1989): "The definition does not include... units in which wastes have not been managed (e.g., product storage areas).

Therefore, a Class 3 modification to the Cannon AFB RCRA Part B permit pursuant to 40 CFR 270.42(c) is warranted for closure of the SWMU.

Additionally, the UST was removed per NMED requirements in 1991. No contamination above NMED Soil Screening Levels remained at the site (see analytical report in Attachment 2).

Basis of Determination

SWMU 126 is proposed for CAC Without Controls based on NMED CAC Criterion 2 and 5 (see Section D). The SWMU/AOC has never been used for the management (i.e., generation, treatment, storage, or disposal) of RCRA solid or hazardous wastes and/or constituents or other CERCLA hazardous substances, and the SWMU/AOC has been characterized or remediated in accordance with current applicable state and/or federal regulations, and the available data indicated that contaminants pose an acceptable level of risk under current and projected land use (see UST removal documentation in Attachment 2).

3. SWMU 128 – OIL/WATER SEPARATOR

Location of SWMU 128

SWMU 128 was described in Kearney (1987) (AR 331, P 6-172) as an oil/water separator near tank 4095 (#2). This SWMU is co-located with, and is a duplicate of, SWMU 127 (Figure I-5) (URS Greiner Woodward Clyde, 2000b) (AR 787, P 59-1).

History/current and Anticipated Future Land Use

SWMU 128 was defined in the original 1987 RFA for Cannon AFB (A.T. Kearney, Inc., 1987) (AR 331, P 6-172). The RFA identified an oil water separator and UST at this location but this was in error. There was no oil/water separator or UST present when the RFA was performed. The only structures at the site were the sand-trap and associated leach field (Woodward Clyde, 1993) (AR 1130, P 4-25) In the Cannon AFB Management Action Plan (2004) (AR 899, P. 2-10) SWMU 128 was listed as proposed for NFA. In the NMED Final Permit Decision Letter (2006a) (AR 1393, P. 1-5) SWMU 128 is still listed as requiring corrective action.

SWMU 127/128 originally consisted of a 135-gallon concrete sand trap and leach field that received wash water from the petroleum, oil, and lubricants (POL) refueling truck wash rack at Facility 4095. The sand trap measured 2.5 feet × 4.5 feet in aerial extent and extended approximately 3.5 feet below the pavement. The sand trap discharged to a rectangular leach field approximately 300 square feet in size, located approximately 10 feet northeast of the wash rack (Woodward-Clyde, 1993) (AR 1130, P. 4-25).

The sand trap and leach field became active in 1977. However, the leach field ceased to function in the late 1980s. The old leach field was bypassed in 1991 and an OWS enclosed in a concrete vault was installed in line with the wash-rack's drain pipe and downstream from the sand trap. The original leach field and sand trap remained in place but were no longer used. After the oil/water separator and new leach field were installed the wastewater from the OWS discharged to the new leach field located approximately 20 ft northeast of the former leach field. Recovered petroleum products temporarily were stored in the OWS for recycling (URS Greiner Woodward-Clyde, 2000b) (AR 787, P. 58-2). Potential contaminants include JP-4 fuel and oil and grease. SWMU 127 includes the wash rack, the old leach field, the area where the sand trap is located, and the new leach field (Woodward-Clyde, 1993) (AR 1130, P 4-25).

The OWS vault was inspected during the initial site visit for the RCRA Facility Investigation (RFI) (Woodward-Clyde, 1994a) (AR 1142, P 16-1). The unit consists of a three compartment steel tank with a clean-out access for each compartment. No evidence of any leaks or spillage was found and the OWS itself should not be considered part of SWMU 127. The wash rack, OWS, and leach field are no longer used.

The Phase I RFI of the Appendix III sites found elevated levels of metals and organic compounds in the area of SWMU 127 (Woodward-Clyde, 1994a) (AR 1142, Tables 16-1 and 16-2). A Baseline Risk Assessment of the Appendix III SWMUs (Woodward-Clyde, 1994b) (AR 1213, P 10-20) found that no unacceptable human health or ecological risks due to chemical releases are expected at SWMU 127. A Phase II RFI of the Appendix III sites also found elevated levels of metals and organic compounds in the area of SWMU 127 (Woodward-Clyde, 1997). The results of the human health and ecological risk evaluations conducted during the Corrective Measures Study (CMS) (URS Greiner Woodward-Clyde, 2000c) (AR 780, P. 7-13) at SWMU 127 indicate there is no unacceptable risk to human health and the environment. Based on the conclusions reached in the Baseline Risk Assessment, the Phase II RFI, and the CMS, NFA has been recommended for SWMU 127.

In the CMS submitted to NMED in June 2000, Cannon AFB recommended the NFA alternative for SWMU 127 (URS Greiner Woodward-Clyde, 2000c) (AR 780, P 7-13). The SWMU remained on the RCRA Part B permit modification of 2006 as a SWMU requiring further corrective measures. Cannon responded to the comments in October 2007 (Cannon AFB, 2007) (AR 1085, P. 3). NMED approved the CMS in March 2008 (NMED, 2008) (AR 1472, P. 2) with modifications. In Cannon's October 2007 response, additional characterization and potential removal of soil at SWMU 127 was proposed. NMED responded that it "will reevaluate SWMU 127 once confirmation sampling and, if necessary, risk analysis is performed to determine overall risk after excavation" (NMED, 2008) AR 1472, P.2).

Subsurface soil samples were collected again from SWMU 127 in 2008 by Bay West. Results were reported in a Final Letter Report (Bay West/Tetra Tech, 2008). The analytical results indicated that there were no exceedances of the NMED TPH residential exposure guideline of 520 mg/Kg TPH. NMED in its review of the Corrective Measures Study and Final Letter Report (NMED, 2010) (AR 1658, P 4) requested that a final risk screening should be revised to include all of the historical detections (1993, 1994, and 2008) of all metals and organics determined to be constituents of potential concern and consider both industrial and residential cleanup scenarios. NMED also stated that the final risk screening must include a discussion of the potential for exposure via inhalation.

Current and future land use is industrial.

Evaluation of Relevant Information – SWMU 128

SWMU 128 was defined in the original 1987 RFA Kearney (1987) (AR 331, P 6-172) for Cannon AFB. The RFA had indicated that there was an oil/water separator and an underground tank at this location but this was in error. The structure that was thought to be an OWS and underground tank was actually a sand trap connected to a leach field. Therefore, only one oil/water separator device (installed in 1991) is associated with Facility 4095 (URS Greiner Woodward Clyde, 2000b) (AR 787, P. 59-1). Subsequent inspections and field work at the site, and Cannon AFB drawings (Drawing No. T:\CANNON\M9602CC\T5500\FIG7-2.DWG (TSM) Xrefs: CAN-BASE.DWG) (Attachment 3) indicate only one OWS (the one installed in 1991). The old sand trap, the original leach field, and the replacement leach field are being addressed as SWMU 127.

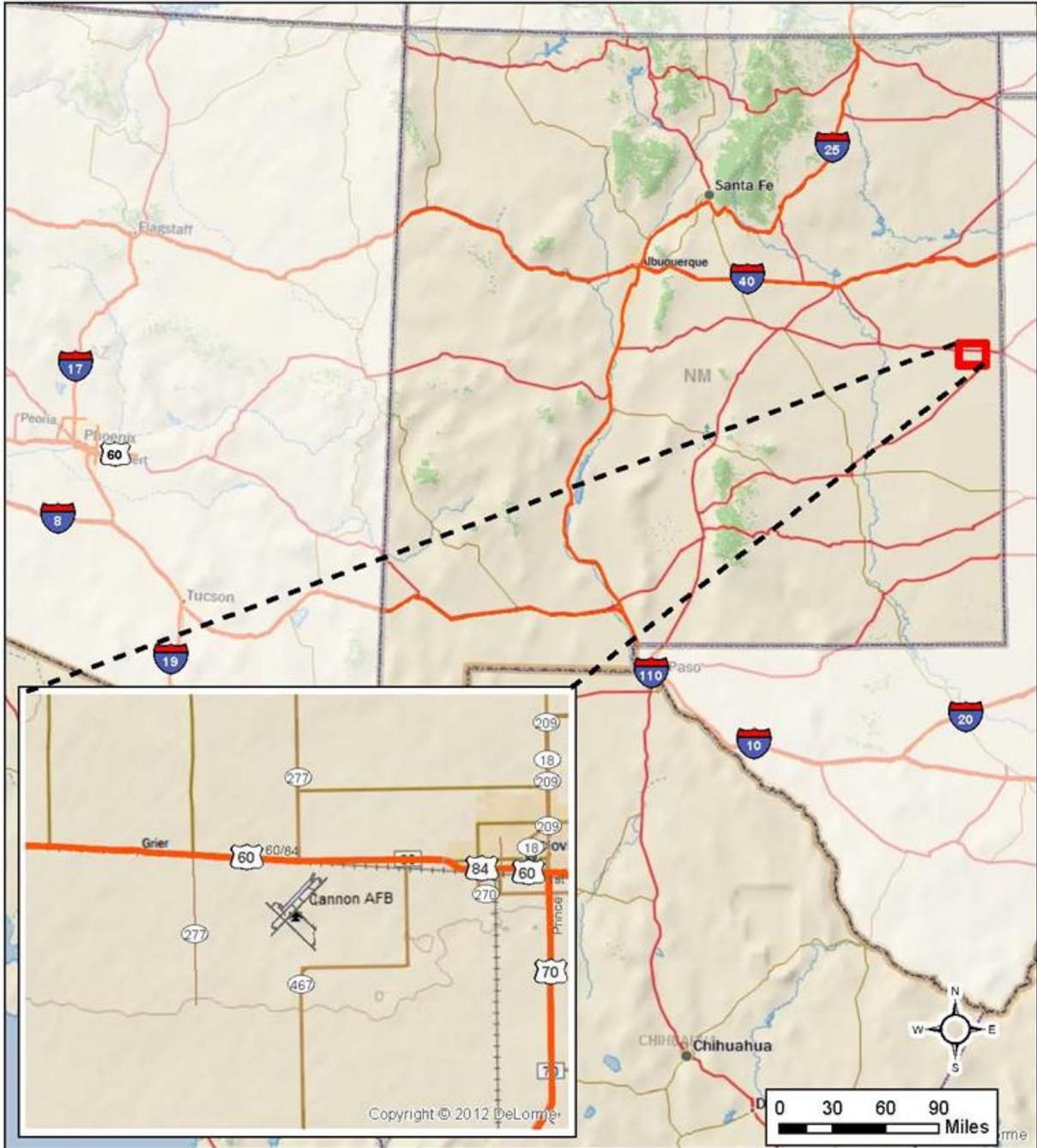
SWMU 128 is a duplicate of SWMU 127. The site includes one bypassed sand trap, one OWS installed in 1991, one abandoned leach field, and one active leach field. All of these site components are included in SWMU 127.

Basis of Determination

SWMU 128 is proposed for CAC Without Controls based on NMED CAC Criterion 1 (see Section D): The SWMU/AOC cannot be located, does not exist, or is a duplicate SWMU/AOC.

I. Maps and Figures

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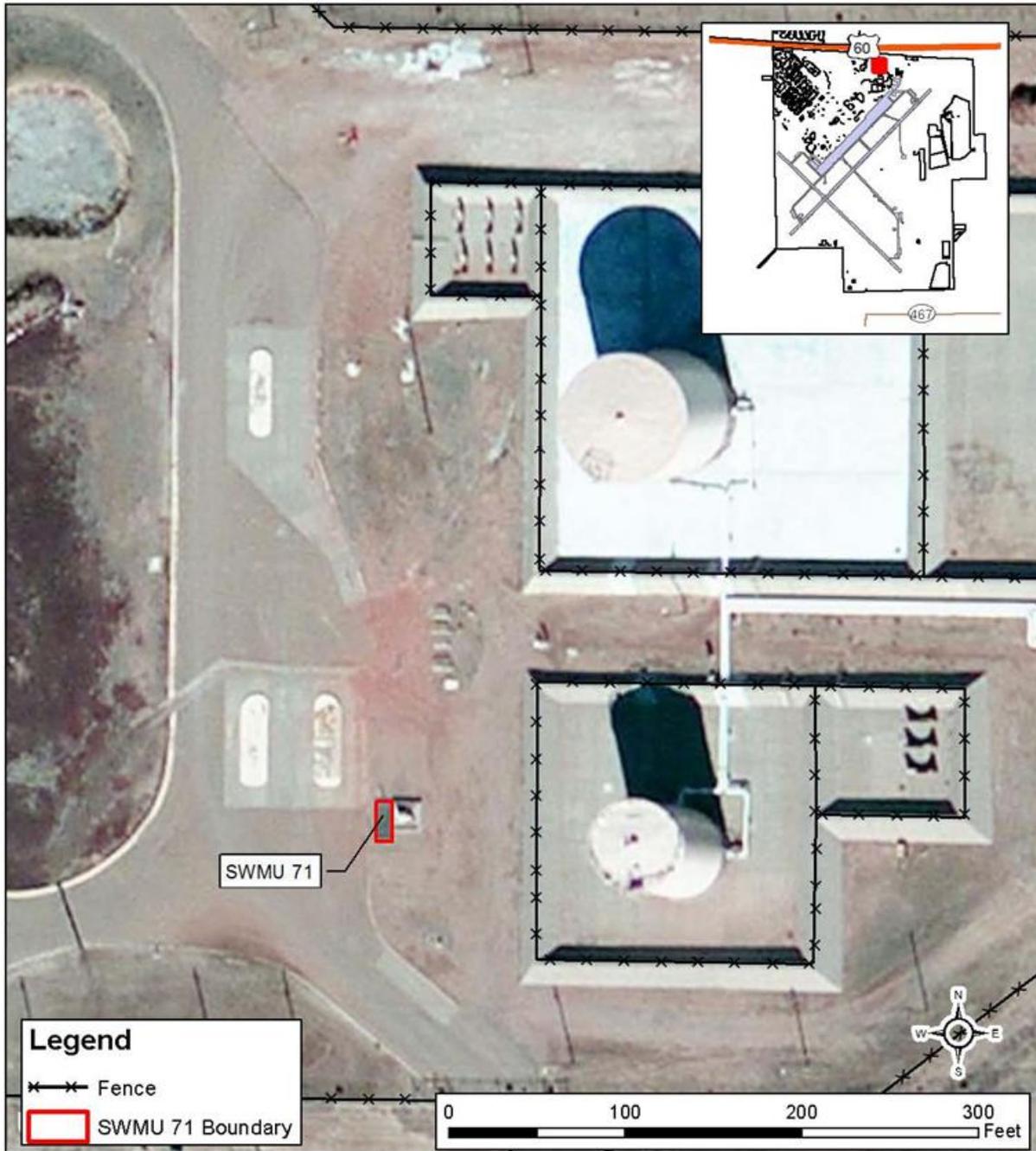
Revision Number: 1	Cannon AFB Location Map		Contract W9128F-04-D-0017
 North Wind <small>A CIBI COMPANY</small> North Wind Inc. 1425 HIGHAM ST. IDAHO FALLS, ID 83402 WEB: www.northwindgrp.com Phone: (208)528-8718 FAX: (208)528-8714	DATE: 10/12/2012	SCALE: On Map	
	DESIGNED BY: TF	DESIGN PHASE: Final	
	DRAWN BY: TF	NWJ FILE NAME:	
	CHECKED BY: TM	Cannon AB Location Map	
	APPROVED BY: TM		
			 US Army Corps of Engineers Omaha District

Figure I-1. Location of Cannon AFB.



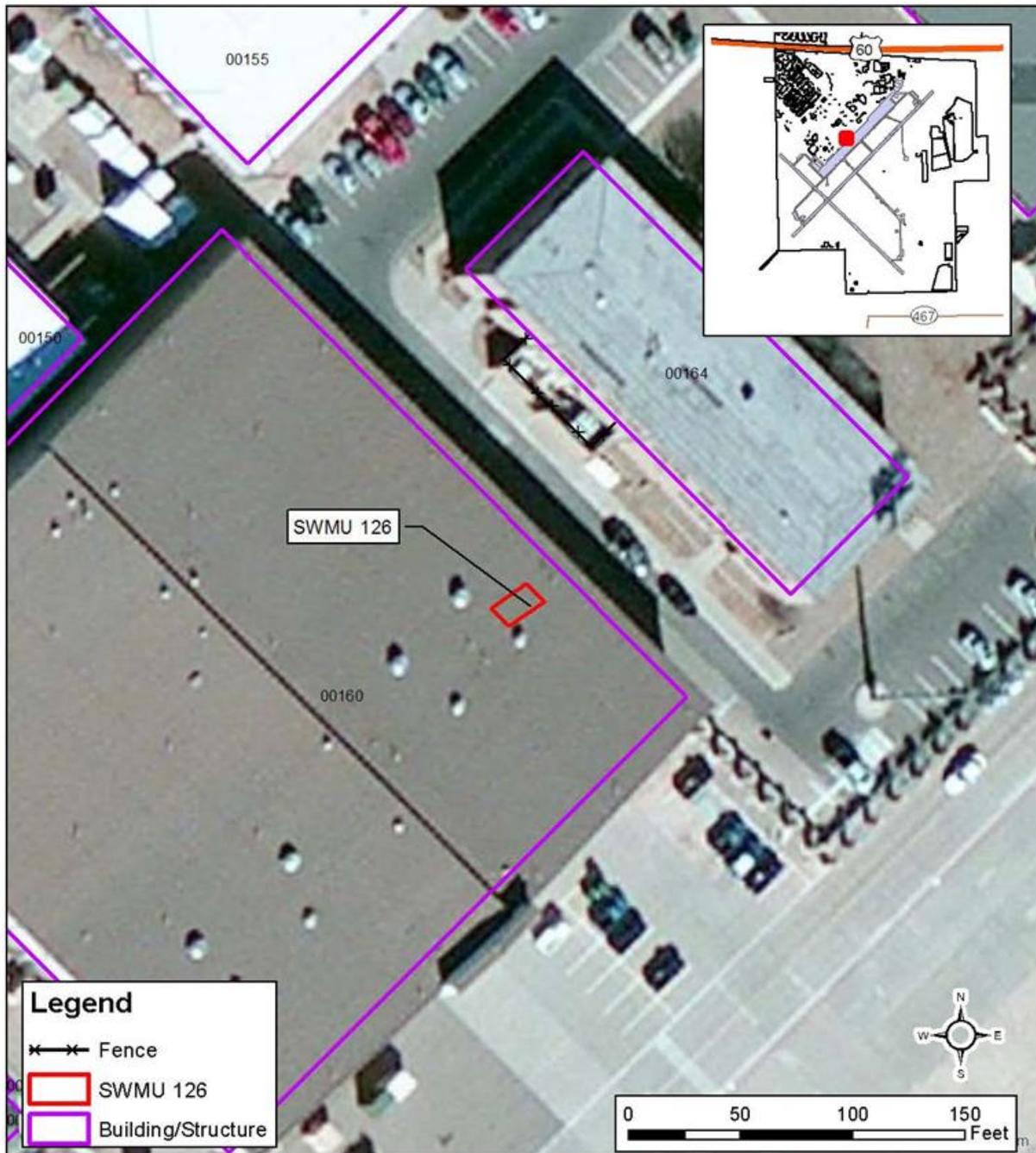
Revision Number: 1	Location of SWMU 71, 126, 127 & 128 at Cannon AFB, New Mexico		Contract W9128F-04-D-0017
 <p>North Wind Inc. 1425 HIGHAM SR. IDAHO FALLS, ID 83402 WEB: www.northwindgrp.com Phone: (208)528-8718 FAX: (208)528-8714</p>	DATE: 10/26/2012	SCALE: On Map	 <p>US Army Corps of Engineers Omaha District</p>
	DESIGNED BY: TF	DESIGN PHASE: Final	
	DRAWN BY: TF	NWI FILE NAME:	
	CHECKED BY: TM	SWMU Overview	
	APPROVED BY: TM		

Figure I-2. Location of SWMUs 71, 126, and 128.



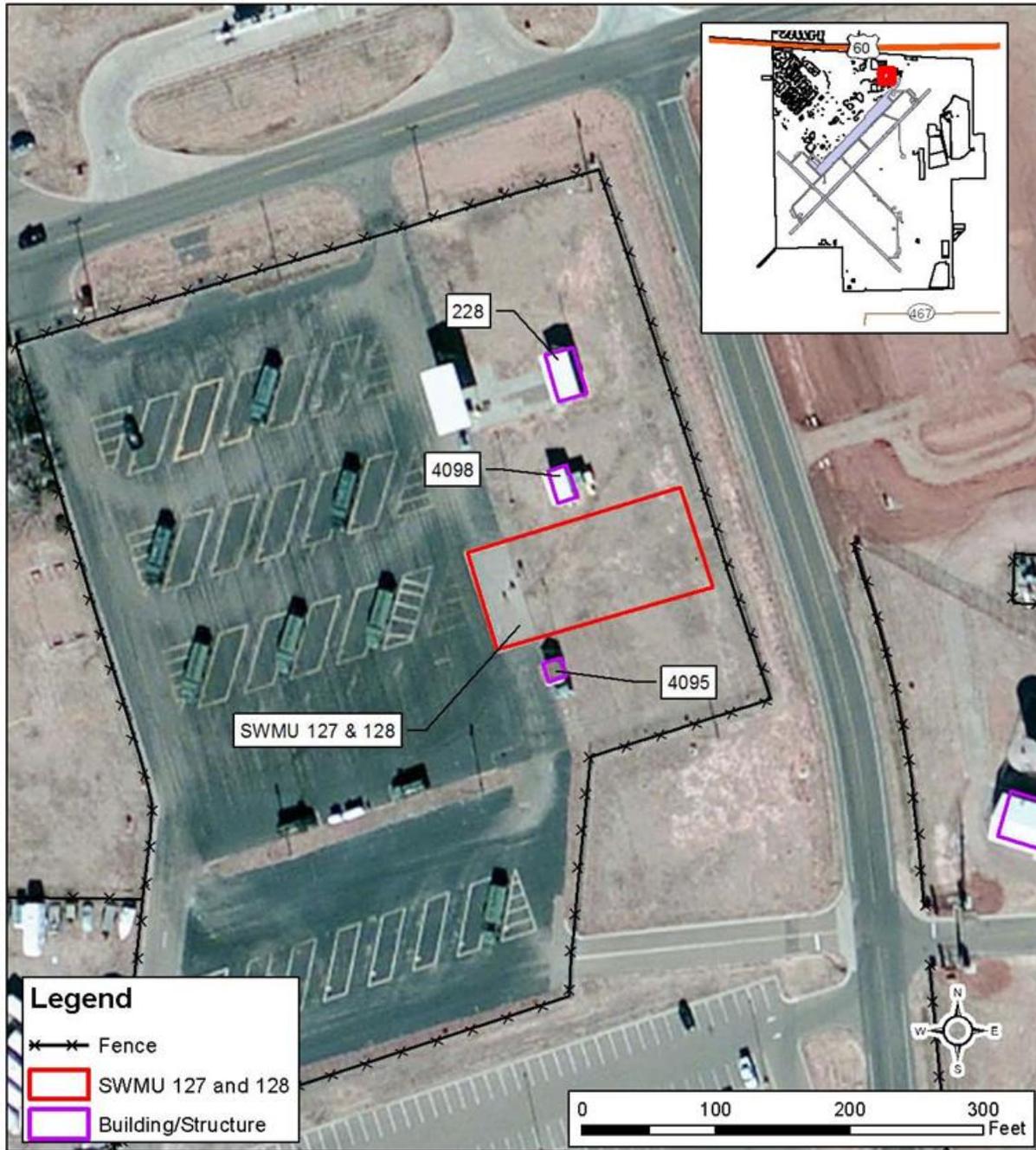
Revision Number: 1	Detail View of SWMU 71 Cannon AFB, New Mexico		Contract W9128F-04-D-0017
 North Wind <small>A CIBI COMPANY</small> North Wind Inc. 1425 HIGHAM SR. IDAHO FALLS, ID 83402 WEB: www.northwindgrp.com Phone: (208)528-8718 FAX: (208)528-8714	DATE: 10/30/2012	SCALE: On Map	 US Army Corps of Engineers Omaha District
	DESIGNED BY: TF	DESIGN PHASE: Final	
	DRAWN BY: TF	NWI FILE NAME:	
	CHECKED BY: TM	SWMU 71	
	APPROVED BY: TM		

Figure I-3. Location of SWMU 71 (former location of Tank 390).



Revision Number: 1	Detail View of SWMU 126 Cannon AFB, New Mexico		Contract W9128F-04-D-0017
 <p>North Wind Inc. 1425 HIGHAM SR. IDAHO FALLS, ID 83402 WEB: www.northwindcorp.com Phone: (208)528-8718 FAX: (208)528-8714</p>	DATE: 10/26/2012	SCALE: On Map	 <p>US Army Corps of Engineers Omaha District</p>
	DESIGNED BY: TF	DESIGN PHASE: Final	
	DRAWN BY: TF	NWI FILE NAME:	
	CHECKED BY: TM	SWMU 126	
APPROVED BY: TM			

Figure I-4. Location of SWMU 126 (former location of heating oil tank for former Building 163).



Revision Number: 1	Detail View of SWMU 127 & 128 Cannon AFB, New Mexico		Contract W9128F-04-D-0017
 <p>North Wind Inc. 1425 HIGHAM SR. IDAHO FALLS, ID 83402 WEB: www.northwindgrp.com Phone: (208)528-8718 FAX: (208)528-8714</p>	DATE: 10/26/2012	SCALE: On Map	 <p>US Army Corps of Engineers Omaha District</p>
	DESIGNED BY: TF	DESIGN PHASE: Final	
	DRAWN BY: TF	NWI FILE NAME:	
	CHECKED BY: TM	SWMU 127 and 128	
	APPROVED BY: TM		

Figure I-5. Location of SWMU 127/128.

J. References

- 40 CFR 270, 2000, *Code of Federal Regulations*, Title 40, "Protection of Environment," Part 270, "EPA Administered Permit Programs: the Hazardous Waste Permit Program," Office of the Federal Register.
- A.T Kearny, Inc. 1987, *Preliminary Review/VSJ Report RCRA Facility Assessment*, July (AR-331).
- Bay West, Inc. and Tetra Tech EC, 2008, *Final Letter Report, Revision 01, Voluntary Corrective Action AGE Maintenance Facility Shop Pad, (SWMU 31) and POL Wash Pad (SWMU 127)*, July (AR 997).
- Cannon AFB, 1995, Management Action Plan, August (AR 1638).
- Cannon AFB, 2000, *Management Action Plan*, December (AR-798).
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- Cannon AFB, 2007, Letter from Cannon AFB to NMED-Transmittal letter for response to comments to the Notice of Disapproval, Corrective Measures Study at Solid Waste Management Units 31, 48a, 77, and 127 (dated 18 July 2007) and response to comments, October (AR 1085).
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- NMED, 2001, Statement of Basis, April (AR-806).
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- NMED, 2006a, Letter from NMED to Cannon AFB re Final Permit Decision: Class 3 Permit Modification for No Further Action Status for 32 Solid Waste Management Units/Areas of Concern, February 27, (AR 1393). Note: Also available at www.nmenv.state.nm.us/HWB/cafbperm.html.
- NMED, 2006b, New Mexico Environment Department TPH Screening Guidelines, October.
- NMED, 2008, Letter from NMED to Cannon AFB – Approval with modification corrective measures study at SWMU 31, 48A, 77, and 127. March (AR-1472).
- NMED, 2010, *Corrective Measures Study and Final Letter Report*, June (AR 1658).
- North Wind, 2008, *Site Specific Health and Safety Plan/Accident Prevention Plan for Final Closure of Solid Waste Management Units 70, 71, 126, and 128*, December (AR 1135).
- North Wind, 2010, Work Plan for Final Closure of Solid Waste Management Units 70, and 71 at Cannon AFB, NM, June (AR 1622).

URS Greiner Woodward-Clyde, 2000a, Hazardous and Solid Waste Amendments/Corrective Action-Related Permit Modification Request No Further Action Proposals, Cannon AFB, NM, Permit No. NM7572124454, Volume II of III, July (AR 786).

URS Greiner Woodward-Clyde, 2000b, Hazardous and Solid Waste Amendments/Corrective Action-Related Permit Modification Request No Further Action Proposals, Cannon AFB, NM, Permit No. NM7572124454, Volume III of III, July (AR 787).

URS Greiner Woodward-Clyde, 2000c, *Corrective Measures Study at SWMUs 31, 48A, 77, and 127*, Cannon AFB, New Mexico, June (AR 780).

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Woodward-Clyde, 1994b, *Baseline Risk Assessment for Appendix III SWMUs-Phase I, Cannon AFB, New Mexico*, February (AR 1213).

Woodward-Clyde, 1997, *RCRA Facility Investigation, Appendix III SWMUs, - Phase II, Cannon AFB, New Mexico*, November.

Attachment 1

NMEID Report Forms, Laboratory Analytical Results for Soil Samples Collected During the Removal of Tank 390 (SWMU 71), and Photographs of Removal Process

1 0 JAN 1991

file
9/13/91
PP

FROM: 27 CSG/DEV

SUBJ: Removal of Underground Storage Tank

TO: 27 TFW/LGCK (SSgt Hagood)

1. On 7 Jan 91 this office was informed of an underground storage tank scheduled to be removed on 8 Jan 91. The tank is a 2000 gallon tank located in the POL area and is registered with the New Mexico Environmental Improvement Division (NMEID). Being a regulated tank and contained a regulated product, it can not be removed without proper notification to NMEID and a NMEID inspector present when it is pulled.

2. A 30-day advance notification is required to NMEID so the inspector can schedule his visit. DEV made the required notification on 8 Jan 91. Three calls have been made to the inspector to schedule a time for him to visit the site. So far we have been unable to contact the inspector. Whenever contact is made and a schedule has been set, Contract Management will be notified so coordination can be made with the contractor. The Bioenvironmental Office will also need to be notified so soil samples can be taken and sent for analysis.

SIGNED

JIMMIE N. RICHARDS, GS-12
Chief, Environmental Management

cc: DEEC

DEV File

DEV/NR ~~_____~~



1190 St Francis Drive
Santa Fe, New Mexico 87503

GARREY CARRUTHERS
Governor

CARLA L. MUTH
Secretary

MICHAEL J. BURKINAR
Deputy Secretary

UST CLOSURE NOTICE:

Memorandum of Telephone Call/Verbal Notice

Date: 8 Jan 91

Owner name, address, phone:
(as on registration form)

Cannon AFB.
27CSG/DEV
Clovis, N.M.

Facility name, address, phone:
(as on registration form)

~~Cannon Air Force Base~~
US AIR FORCE
27CSG/CC
Cannon Air Force Base, NM, 88103

Tank location if not
at street address:

POL Area

Contractor name, address, phone:

Jim Sena Construction 472-3106
P.O. Drawer 350
Santa Rosa, N.M. 88435

Number and size of tanks to be pulled:

1 - 2,000gal.

Plans for assessment of releases:

Tracer Leak Detection System is installed.

Soil Samples will be collected at 2' and bottom of hole.

Samples will be analyzed for DTX.

Planned date of pull:

14 Jan 91

Comments:

(Note: Inform notifier they must also contact local fire
marshall.)

Call received by:

Name Joe Herrera Title
EQUAL OPPORTUNITY EMPLOYER

file
987

16 JAN 1991

OP

FROM: 27 CSG/DEV

SUBJ: Removal of Underground Storage Tank (UST), Contract No. F29605-90-C0019

TO: 27 TFW/LGCK

1. Contact has been made and authority given to proceed with the removal of the tank at the POL area, by the district representative of New Mexico Environmental Improvement Division in charge of the UST Program.

2. Cannon will be required to take pictures of the job before, during, and after the tank removal. In addition, soil samples must be collected. The tank will need to be retained only if it has been leaking, otherwise, it can be disposed of after the photos have been taken. Coordination has been made with DEEC.

2. Direct any questions to Mr. Rick Crow x2739 or Mr. Jim Richards x4639.

SIGNED

JIMMIE N. RICHARDS, GS-12
Chief, Environmental Management

DEV file

DEV JMR

18 JAN 1991

FROM: 27CSG/DEEC

SUBJ: Removal Underground Storage Tank, Project 86-0045B, Contract #90-C0019

TO: 27TFW/LGCK

1. On 14 Jan 91 this office was advised by Mr. Rick Crow, 27CSG/DEV, that authority had been given to proceed with removal of the underground storage tank. Authority was granted by the district representative of the New Mexico Environmental Improvement Division.
2. The site supervisor, Mr. Eddie Sena was advised of this decision at 0800 on 14 Jan 91. Excavation of the tank began at 1000 on 14 Jan 91. Lt. Hepner of Bioenvironmental, 27MED/SGPB, took two samples of the soil at approximately 1010. Samples were taken of the soil at a depth of two feet.
3. Excavation of the tank was completed and the tank was removed at 1630. The tank was carried to a location immediately outside the POL perimeter fence and placed there for inspection.
4. At 0800 on 15 Jan 91 a visual inspection was conducted of the tank and the area from which the tank was removed. Inspection was performed by Mr. Rick Crow, 27CSG/DEV and Mr. Michael Rierson, 27CSG/DEEC. The tank and the area from which the tank was removed were in good condition and showed no signs of leakage.
5. Lt. Hepner 27MED/SGPB arrived at the site at 1030 on 15 Jan 91 and took two samples from the soil on which the tank had been setting.
6. Pictures were taken before, during, and after tank removal. A total of seventeen pictures were taken. These pictures were turned over to Mr. Crow, 27CSG/DEV for their files and records, on 17 Jan 91.
7. This tank shows no sign of leakage and will be turned over to DRMO for proper disposal. The site supervisor, Mr. Eddie Sena, has been advised that the tank must be turned in to DRMO as stated in the specifications of this contract.

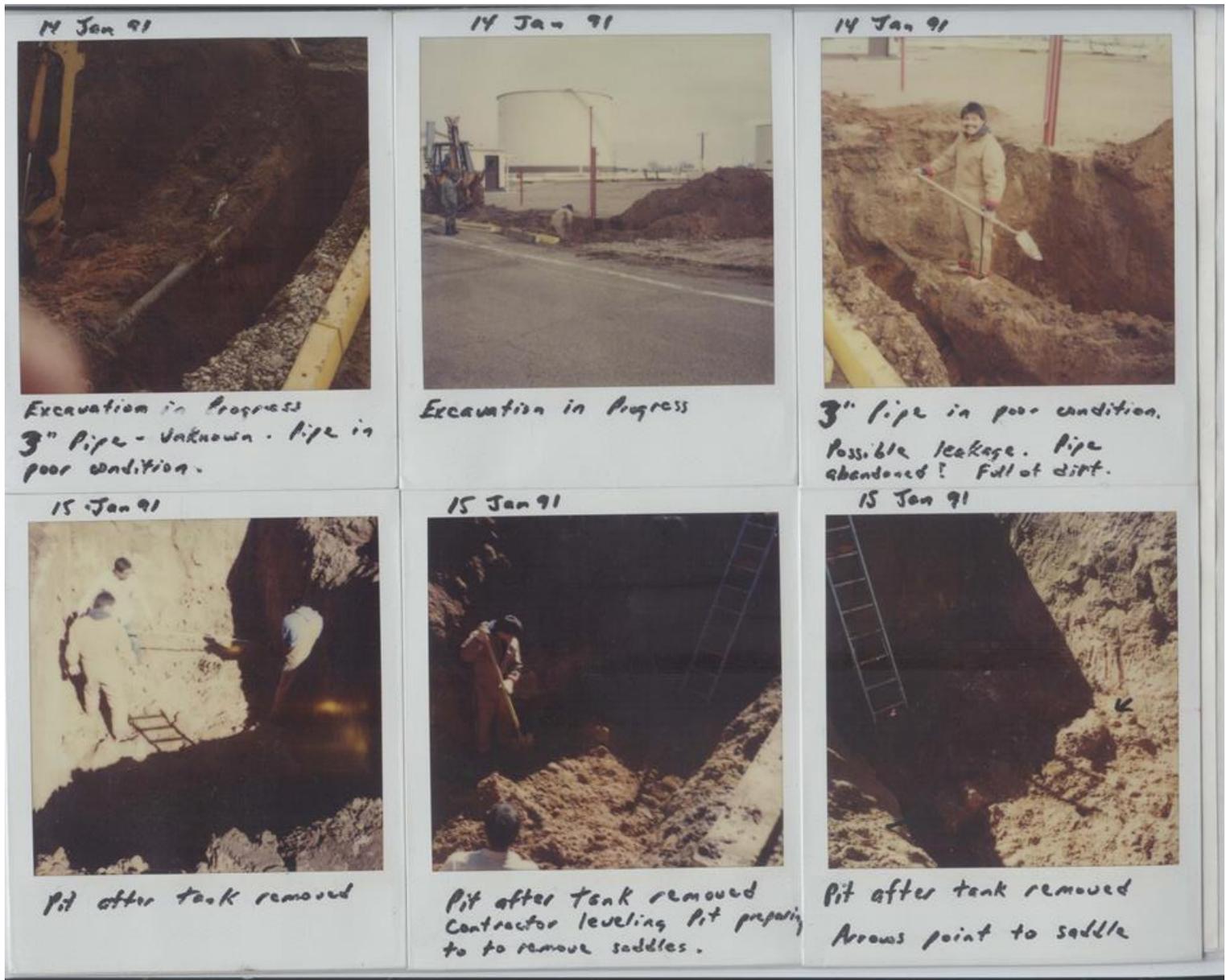
SIGNED

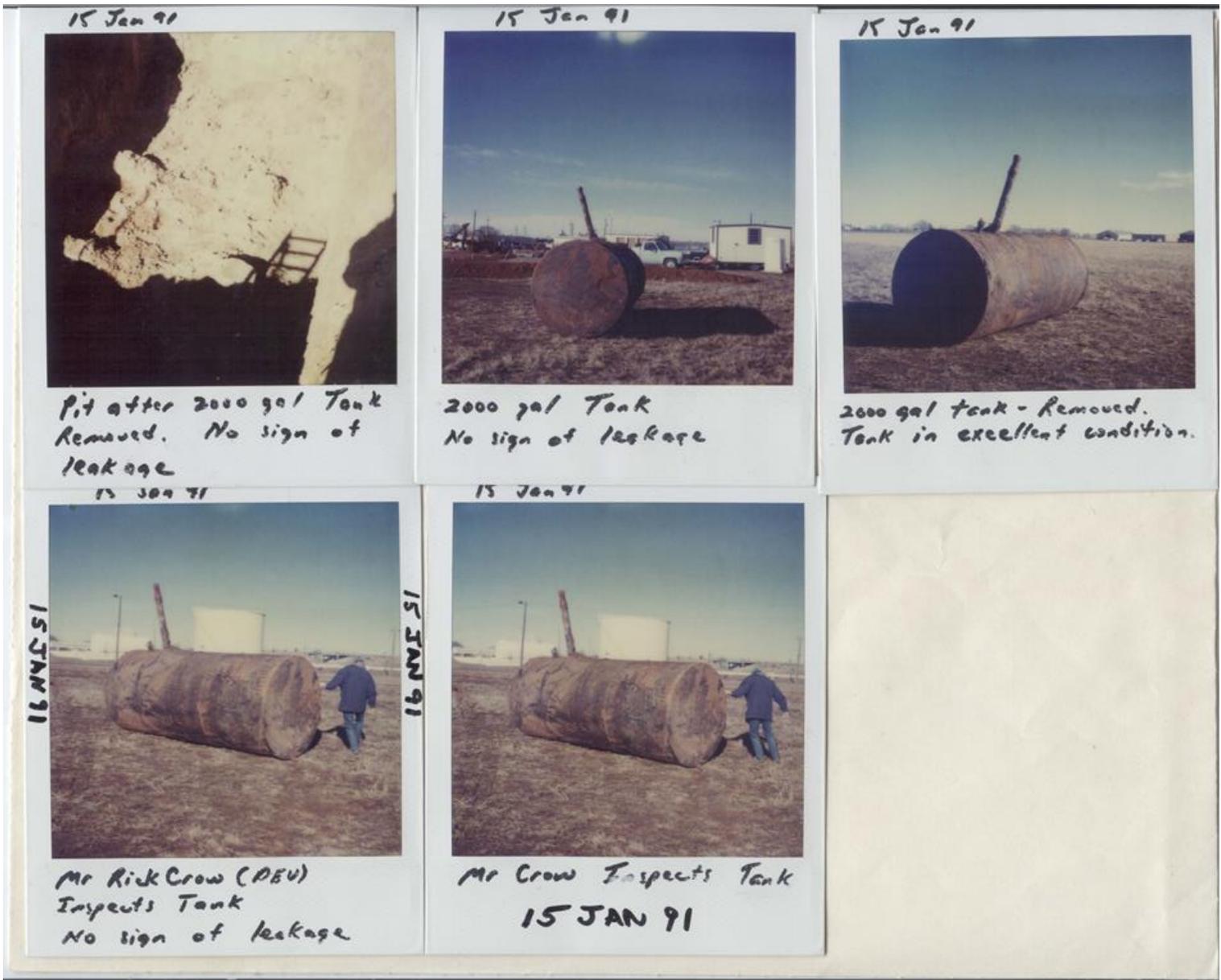
C BRUCE HALE, GS-12
Chief, Contract Management

Atch
27CSG/DEV Ltrs (2)
27TFW/LGCK Ltr

cc: 27CSG/DEV
Jim Sena Const.









DEPARTMENT OF THE AIR FORCE
HEADQUARTERS 27TH COMBAT SUPPORT GROUP (TAC)
CANNON AIR FORCE BASE, NM 88103

28 JAN 1991

Mr. Ron Castleberry
New Mexico Environmental Improvement Division
315 North Atkinson
Roswell, New Mexico 88201

Dear Mr. Castleberry

Attached is the paperwork concerning the closure of Tank 390 at the Petroleum, Oils, and Lubricants (POL) Area. Jim Sena Construction of Santa Rosa, New Mexico was the contractor on this job. The tank was pulled on 14 Jan 91 and will be disposed of through the Cannon Defense Reutilization and Marketing Office.

The tank and piping were both in very good condition. A leak detection and monitoring system was operational on the tank and piping with no visible evidence of any leakage. Soil samples were collected two (2) feet below the surface and at the bottom of the hole. These samples will be analyzed for Benzene, Toluene, and Xylene (BTX). The Bioenvironmental Office monitored for explosive vapors before the tank was removed with evidence appearing. Several photographs were taken throughout the removal process.

Cannon AFB appreciates your assistance on the removal of this tank. Questions concerning any segment of the removal process may be directed to Mr. Jim Richards at 784-4639 or Mr. Rick Crow at 784-7239.

SIGNED

THOMAS N. CHAPMAN, Colonel, USAF
Commander

1 Atch
Notification Paperwork

DEV *gmr* DED _____

Readiness is our Profession

UST Bureau/EID
1190 St. Francis Drive
Santa Fe, New Mexico 87053

STATE USE ONLY
ID Number C-7929
Date Received 31 Dec 90

GENERAL INFORMATION

Notification is required by Federal law for all underground tanks that have been used to store regulated substances since January 1, 1974, that are in the ground as of May 8, 1988, or that are brought into use after May 8, 1988. The information requested is required by Section 9002 of the Resource Conservation and Recovery Act (RCRA), as amended.

The primary purpose of this notification program is to locate and evaluate underground tanks that store or have stored petroleum or hazardous substances. It is expected that the information you provide will be based on reasonably available records, or, in the absence of such records, your knowledge, belief, or recollection.

Who Must Notify? Section 9002 of RCRA, as amended, requires that, unless exempted, owners of underground tanks that store regulated substances must notify designated State or local agencies of the existence of their tanks. Owner means: (a) in the case of an underground storage tank in use on November 8, 1988, or brought into use after that date, any person who owns an underground storage tank used for the storage, use, or dispensing of regulated substances; and

(b) in the case of any underground storage tank in use before November 8, 1988, but no longer in use on that date, any person who owned such tank immediately before the discontinuation of its use.

What Tanks Are Included? Underground storage tank is defined as any one or combination of tanks that (1) is used to contain an accumulation of "regulated substances," and (2) whose volume (including connected underground piping) is 10% or more beneath the ground. Some examples are underground tanks storing: 1. gasoline, used oil, or diesel fuel, and 2. industrial solvents, pesticides, herbicides or fumigants.

What Tanks Are Excluded? Tanks removed from the ground are not subject to notification. Other tanks excluded from notification are:

1. farm residential tanks of 100 gallons or less capacity used for storing motor fuel for non-commercial purposes;
2. tanks used for storing heating oil for domestic use on the premises where stored;
3. septic tanks;

4. pipeline facilities (including gathering lines) regulated under the Safe Drinking Water Act of 1986, or the Hazardous Liquid Pipeline Safety Act, which is an interstate pipeline facility regulated under State law;
5. surface impoundments, pits, ponds or lagoons;
6. storm water or waste water collection systems;
7. flow-through process tanks;
8. liquid trap or associated gathering lines directly related to oil or gas production gathering operations;
9. storage tanks situated in an underground area (such as a basement, mine, tunnel, drift, shaft, or tunnel) if the storage tank is situated upon or at the surface of the floor.

What Substances Are Covered? The notification requirements apply to ground storage tanks that contain regulated substances. This includes any substance defined as hazardous in section 101(14) of the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (ERCA) which is also those substances regulated as hazardous waste under Subtitle C of RCRA, includes petroleum, e.g., crude oil or any fraction thereof which is used at conditions of temperature and pressure 100 degrees Fahrenheit and 1 atmosphere (such as absolute).

Where To Notify? Completed notification forms should be submitted to the person at the top of this page.

When To Notify? 1. Owners of underground storage tanks in use on that date taken out of operation after January 1, 1974, but still in the ground, until May 8, 1988. 2. Owners who bring underground storage tanks into use after 1988, must notify within 30 days of bringing the tanks into use.

Penalties: Any owner who knowingly fails to notify or submits false information shall be subject to a civil penalty not to exceed \$10,000 for each tank for which notification is not given or for which false information is submitted.

INSTRUCTIONS

Please type or print in ink all items except "signature" in Section V. This form must be completed for each location containing underground storage tanks. If more than 5 tanks are owned at this location, photocopy the reverse side, and staple continuation sheets to this form.

Indicate number of continuation sheets attached

I. OWNERSHIP OF TANK(S)

Owner Name (Corporation, Individual, Public Agency or Other Entity)
U.S. AIR FORCE

Street Address

County
CURRY

City State ZIP Code
CANNON AFB NM 88103

Area Code Phone Number

Type of Owner (Mark all that apply)

Current State or Local Gov't Private or Corporate
 Former Federal Gov't (GSA facility I.D. no. F29605) Ownership uncertain

II. LOCATION OF TANK(S)

(If same as Section I, mark box here)

Facility Name or Company Site Identifier, as applicable
CANNON AFB

Street Address or State Road, as applicable
27 CSG/CC

County
CURRY

City (nearest) State ZIP Code
CLOVIS NM 88101

Indicate number of tanks at this location

Mark box here if tank(s) are located on land within an Indian reservation or on other Indian trust lands

III. CONTACT PERSON AT TANK LOCATION

Name (If same as Section I, mark box here) Job Title Area Code Phone No.
RICK CROW ENVIRONMENTAL COORDINATOR 505 784-2739

IV. TYPE OF NOTIFICATION

Mark box here only if this is an amended or subsequent notification for this location

V. CERTIFICATION (Read and sign after completing Section VI)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, and complete.

Name and official title of owner or owner's authorized representative Signature Date Signed
THOMAS N. CHAPMAN, Colonel, USAF

CONTINUE ON REVERSE SIDE

VI. DESCRIPTION OF UNDERGROUND STORAGE TANKS (Complete for each tank at this location)						
Tank Identification No. (e.g., ABC-123), or Arbitrarily Assigned Sequential Number (e.g., 1.2.3...)	Tank No. 390	Tank No.				
1. Status of Tank (Mark all that apply <input checked="" type="checkbox"/>)	Currently in Use <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Temporarily Out of Use <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Permanently Out of Use <input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Brought into Use after 5/8/86 <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Estimated Age (Years)	Unknown					
3. Estimated Total Capacity (Gallons)	2000					
4. Material of Construction (Mark one <input checked="" type="checkbox"/>)	Steel <input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Concrete <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Fiberglass Reinforced Plastic <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Unknown <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Other, Please Specify _____					
5. Internal Protection (Mark all that apply <input checked="" type="checkbox"/>)	Cathodic Protection <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Interior Lining (e.g., epoxy resins) <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	None <input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Unknown <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Other, Please Specify _____					
6. External Protection (Mark all that apply <input checked="" type="checkbox"/>)	Cathodic Protection <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Painted (e.g., asphaltic) <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Fiberglass Reinforced Plastic Coated <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	None <input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Unknown <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Other, Please Specify _____					
7. Piping (Mark all that apply <input checked="" type="checkbox"/>)	Bare Steel <input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Galvanized Steel <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Fiberglass Reinforced Plastic <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Cathodically Protected <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Unknown <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Other, Please Specify _____					
8. Substance Currently or Last Stored in Greatest Quantity by Volume (Mark all that apply <input checked="" type="checkbox"/>)	a. Empty <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	b. Petroleum Diesel <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Kerosene <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Gasoline (including alcohol blends) <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Used Oil <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Other, Please Specify JP-4					
	c. Hazardous Substance <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Please Indicate Name of Principal CERCLA Substance OR Chemical Abstract Service (CAS) No. Mark box <input type="checkbox"/> if tank stores a mixture of substances					
	d. Unknown <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Additional Information (for tanks permanently taken out of service)	a. Estimated date last used (mo/yr) 11 / 90	/	/	/	/	/
	b. Estimated quantity of substance remaining (gal.) 0					
	c. Mark box <input type="checkbox"/> if tank was filled with inert material (e.g., sand, concrete)	<input type="checkbox"/>				

TANK CLOSURE WORKSHEET
(COMPLETE AFTER CLOSURE)

Tank Owner Cannon Air Force Base Phone 784-4348
Mailing Address 27 CSG/CC
Tank Address PO2 Area
Contractor Name Jim Sena Const Co. Inc. Phone 472-3106
Address Drawer 350 Santa Rosa N. Mex. 88435
Contractor Name Jim Sena Phone 472-3106
Address Drawer 350 Santa Rosa N. Mex. 88435

Tank Closure Date 4 Jan 91 # of Tanks Closed (1)

- I. Tank Closure Initial Procedures (check measures complied with):
- Obtain recommended safety equipment for all personnel
 - Contact Fire Marshall or other fire officials
 - Bond or ground equipment
 - Drain product from piping and tank
 - Disconnect, then cap or remove piping
 - Remove all residual product from tank
 - Excavate to tank top
 - Remove all tank fixtures
 - Properly purge or inert tank of all flammable vapors using approved method
 - Continually monitor for explosive vapors while tank is being removed

- II. Tank Removal
- Create vent hole
 - Excavate tank using all safety precautions
 - Clean and inspect tank
 - Check excavation for evidence of leaks and notify EID and other proper authorities if leak is found
 - Check vapor levels in tank before transporting
 - Dispose of tank in approved manner

Tank disposal location _____
City _____ State _____

How did you assess site for leakage? _____
Closure report kept at _____

NOTE: Immediately report any evidence of leakage to EID at 827-0188

I hereby state that the above information is correct

[Signature]
Signature of owner or contractor performing work

FOR EID USE ONLY

Notification Received _____ Approved By _____
Inspection Date _____ Inspector _____



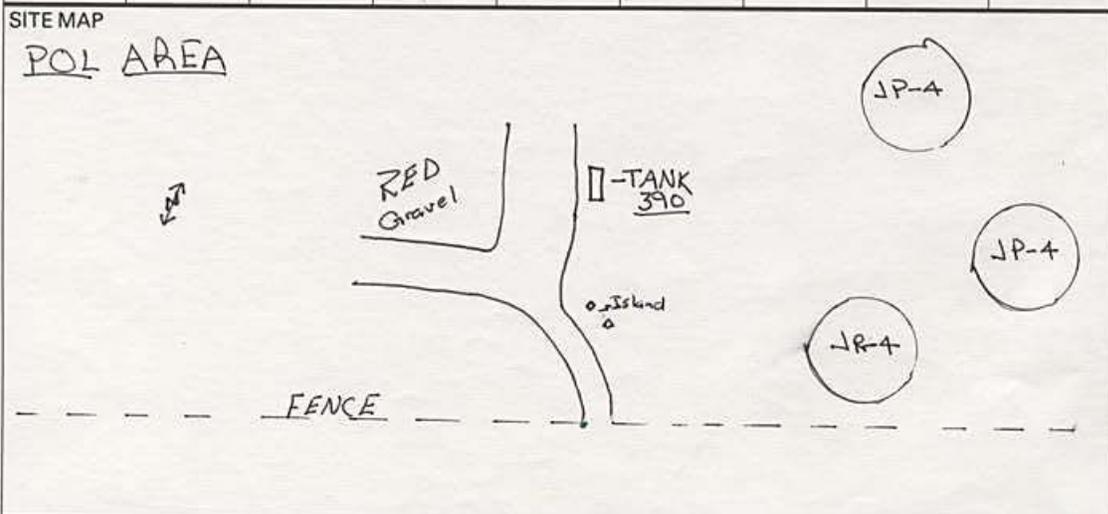
Environmental Improvement Division
 Underground Storage Tank Bureau
 Prevention/Inspection Section
 1190 St. Francis Drive
 Santa Fe, New Mexico 87503
 (505) 827-0216

INSPECTION REPORT

Page 1 of two pages

DATE 14 JAN 91	CASE NUMBER	OPENING CONFERENCE TIME
INSPECTION TYPE: <input type="checkbox"/> COMPLIANCE <input checked="" type="checkbox"/> TANK CLOSURE <input type="checkbox"/> REPAIR <input type="checkbox"/> MODIFICATION <input type="checkbox"/> REINSPECTION <input type="checkbox"/> INSTALLATION <input type="checkbox"/> COMPLAINT		
Facility Name 1. CANNON AIR FORCE BASE	Facility No.	Phone No. 7842739
Address CANNON AIR FORCE BASE NEW MEXICO		ZIP Code 88103
Owner Name 2. U.S. AIR FORCE	Owner No.	Phone No. 784-2739
Address CANNON AIR FORCE BASE		ZIP Code 88103
Facility Operator 3. CANNON AIR FORCE BASE		Phone No. 784-2739
Address 27 CSG/DEV		ZIP Code 88103
Contractor Name 4. JIM SENA CONSTRUCTION		Phone No. 472-3106
Address P. O. DRAWER 350, SANTA ROSA, NEW MEXICO		ZIP Code 88435

TANK NO.	SIZE	CONTENTS	INSTALLATION DATE	TANK CONSTRUCTION	PIPING CONSTRUCTION	TANK RELEASE DETECTION	PIPING RELEASE DETECTION	TANK STATUS
390	2000	JP-4	Unknown	Steel	Steel	Leak and Monitoring	Leak and Monitoring	Closed



DISTRIBUTION: WHITE - Owner CANARY - Operator PINK - USTB GOLDENROD - Compliance Officer

	Yes	No	Unk.	N/A
1. All applicable tanks on site are registered.	X			
2. Proper notification was made for the following:				
a. Closure	X			
b. Installation				X
c. Modification				X
d. Repair				X
3. Tanks closed properly.	X			
4. Tanks installed properly.				X
5. Tanks repaired/modified properly.				X
6. Release detection — tanks:				
a. Inventory records combined with annual tank tightness testing		X		
b. Manual tank gauging		X		
c. Automatic tank gauging		X		
d. Vapor monitoring	X			
e. Ground water monitoring	X			
f. Interstitial monitoring		X		
7. Release detection — piping.	X			
8. Certified tank installers.				X
9. All required records are maintained.	X			
10. Evidence of release/spill.		X		

COMMENTS:

The Tracer Leak Detection and Monitoring System was operational on both tank and piping with no evidence of a release. The tank and piping were both in very good condition with no evidence of a leak. Soil samples were obtained at 2' below the surface and at the bottom of the hole. Samples will be analyzed for BTX. The tank will be disposed of through the Defense Reutilization and Marketing Office at Cannon AFB, NM according to all disposal rules.

CLOSING CONFERENCE:	DATE	TIME
Compliance Officer's Signature	Date	

On-Site Representative's Signature	Date
<i>[Signature]</i>	22 Jan 91

DISTRIBUTION: WHITE - Owner CANARY - Operator PINK - USTB GOLDENROD - Compliance Officer

DEV/CROW/2739/pap/0065V/pa-16

file
9137

STAFF SUMMARY SHEET

	TO	ACTION	SIGNATURE (Surname), GRADE AND DATE		TO	ACTION	SIGNATURE (Surname), GRADE AND DATE
1	27 CSG/ JA	Info	<i>[Signature]</i> GS-24 5/24/91	6			
2	27 CSG/ CV	Info		7			
3	27 CSG/ CC	Sign	<i>[Signature]</i> 26 Jan 91	8			
4	27 CSG/ DEV	Return		9			
5				10			

SURNAME OF ACTION OFFICER AND GRADE	SYMBOL	PHONE	TYPIST'S INITIALS	SUSPENSE DATE
Crow, GS-11	DEV	2739	pap	

SUBJECT	DATE
Underground Storage Tank Removal at the POL Area	23 JAN 1991

SUMMARY

- Attached at Tab 1 is a letter to Mr. Ron Castleberry from the Roswell Office of the New Mexico Environmental Improvement Division (NMEID) concerning the removal and closure of a regulated underground storage tank (UST) located at the POL area. At Tab 2 is the necessary paperwork for proper notification required by the NMEID.
- The removal process went very smooth with no signs of any leakage or any other problems. The tank and associated piping were in very good condition and will be disposed of through DRMO.
- The closure of this tank will result in one less UST to be regulated by the State and will no longer require annual fees.

RECOMMENDATION

- Recommend 27 CSG/CC sign the letter at Tab 1 and Notification papers marked at Tab 2.

[Signature]

LAWRENCE NYGREN, GM -D
Deputy Base Civil Engineer

- 2 TABS
1. Ltr to NMEID
2. Notification Papers

Tank 390 POL

BULK MATERIAL SAMPLING DATA				OEHL USE ONLY																							
(Use this space for mechanical imprint)				WORKPLACE OR SITE IDENTIFIER	0028	SUPS	153A																				
				BASE	CANNON AFB			ORGANIZATION	27 SUPS																		
DATE COLLECTED (YYMMDD)				9/10/11/14				BLDG. NO./LOCATION	N/A			ROOM/AREA	STORAGE AREA														
				MAIL REPORTS TO (circle if change)	ORIGINAL	0028	27 MED GP/SBFB CANNON AFB NM 88103																				
SAMPLE COLLECTED BY (Name, Grade, AFSC)				CARLTON A. FORBES SSYF 90730				SIGNATURE				AUTOVON				6812314											
REASON FOR SUBMISSION				<input checked="" type="checkbox"/> A-ACCIDENT/INCIDENT <input type="checkbox"/> C-COMPLAINT <input type="checkbox"/> F-FOLLOWUP/CLEANUP <input type="checkbox"/> R-ROUTINE BACKGROUND/PERIODIC SURVEY <input type="checkbox"/> O-OTHER				OEHL PID																			
SOURCE BEING SAMPLED				SOIL LOCATED AROUND POL STORAGE TANK 2 FT UNDER SURFACE																							
EXISTING CONTROLS (Personal protective equipment, Engineering, Administrative)				N/A																							
SAMPLE COLLECTION DATA																											
OEHL SAMPLE NO																											
BASE SAMPLE NO				ES910004																							
A	CHECK FOR	<input type="checkbox"/> MAJOR COMPONENTS				<input type="checkbox"/> MAJOR COMPONENTS																					
	NAME	BTEX EPA METHOD 8240																									
	NIOSH NO.																										
	NAME																										
	NIOSH NO.																										
E	CHECK FOR	<input type="checkbox"/> HAZARDOUS/TOXIC WASTE				<input type="checkbox"/> HAZARDOUS/TOXIC WASTE																					
	MATERIAL NAME																										
LOT NUMBER																											
NSN (FSN)																											
SPECIFICATION (MIL or FED)																											
MANUFACTURER'S NAME																											
DESCRIPTION OF MATERIAL																											
USAGE (Heated, brushed, sprayed, etc.)																											
SUPPORTING SAMPLES	OEHL SAMPLE NO.																										
	BASE SAMPLE NO.																										
	SAMPLE TYPE																										
COMMENTS																											
PRIORITY UST REMOVAL PROJECT																											

AF FORM JAN 81 2751

AIR FORCE
 OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
 BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910004 OEHL SAMPLE NO: 91002705
 SAMPLE TYPE: SOIL
 SITE IDENTIFIER: SUPS153A DATE RECEIVED: 910123
 DATE COLLECTED: 910114 DATE REPORTED: 910227

RESULTS

<u>Test</u>	<u>Results</u>	<u>Units</u>	<u>EPA Method</u>
Methyl Isobutyl Ketone	<57	ug/g	
Benzene	<6.0	ug/g	
Bromodichloromethane	<6.0	ug/g	
Bromoform	<6.0	ug/g	
Bromomethane	<11	ug/g	
Carbon Tetrachloride	<6.0	ug/g	
Chlorobenzene	<6.0	ug/g	
Chloroethane	<11	ug/g	
Chloroform	<5.0	ug/g	
Chloromethane	<11	ug/g	
1,1-Dichloroethane	<6.0	ug/g	
1,1-Dichloroethene	<6.0	ug/g	
1,2-Dichloroethane	<6.0	ug/g	
1,2-Dichloropropane	<6.0	ug/g	
Toluene	<6.0	ug/g	
Vinyl chloride	<11	ug/g	
Methylene chloride	<6.0	ug/g	
trans-1,2-Dichloroethane	<6.0	ug/g	
Trichlorofluoromethane	<6.0	ug/g	
1,1,1-Trichloroethane	<6.0	ug/g	
cis-1,3-Dichloropropane	<6.0	ug/g	EPA8010
Trichloroethylene	<6.0	ug/g	
1,1,2-Trichloroethane	<6.0	ug/g	
Tetrachloroethylene	<6.0	ug/g	
1,1,2,2-Tetrachloroethan	<6.0	ug/g	
Ethyl Benzene	<6.0	ug/g	EPA8020
2-Chloroethylvinyl ether	<11	ug/g	
Chlorodibromomethane	<6.0	ug/g	
Carbon Disulfide	<6.0	ug/g	EPA 8240
trans-1,3-Dichloropropen	<6.0	ug/g	

TD:

27 MEDICAL GROUP (TAC)/SGPB
 CANNON AFB NM 88103-5300

PAGE 1 (Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910004 DEHL SAMPLE NO: 91002705
SAMPLE TYPE: SOIL
SITE IDENTIFIER: SUPS153A DATE RECEIVED: 910123
DATE COLLECTED: 910114 DATE REPORTED: 910227

RESULTS

<u>Test</u>	<u>Results</u>	<u>Units</u>	<u>EPA Method</u>
2-Hexanone	<57	ug/g	
m-Xylene	NP	ug/g	
o-Xylene	NP	ug/g	
p-Xylene	NP	ug/g	
Styrene	<6.0	ug/g	
Xylenes (Total)	<6.0	ug/L	NSM8240
Vinyl Acetate	<57	ug/g	EPA 8240
Acetone	<110	ug/L	
Acrolein	<57	ug/L	
Acrylonitrile	<57	ug/L	
Methyl Ethyl Ketone	<110	ug/L	

Analytical method used: EPA Method 8240

NP : Test Not Performed

Comments:

< - Signifies none detected and the detection limits.

PAGE 2 (Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

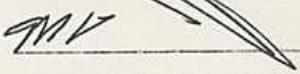
REPORT OF ANALYSIS

BASE SAMPLE NO: GS910004 OEHL SAMPLE NO: 91002705
SAMPLE TYPE: SOIL
SITE IDENTIFIER: SUPS153A DATE RECEIVED: 910123
DATE COLLECTED: 910114 DATE REPORTED: 910227

RESULTS

<u>Test</u>	<u>Results</u>	<u>Units</u>	<u>EPA Method</u>
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Analyzed by: Biospherics, Inc.

Reviewed by: 

Michael J. Wantland, MSgt, USAF
NCOIC Occupational Chemistry Branch

• PAGE 3

Tank 390
POL
9-B-7

BULK MATERIAL SAMPLING DATA										OEHL USE ONLY																			
(Use this space for mechanical imprint)										WORKPLACE OR SITE IDENTIFIER					0028					S U P S					153A				
										BASE					CANNON AFB					ORGANIZATION					27sup				
DATE COLLECTED (YYMMDD)										BLDG NO./LOCATION					ROOM/AREA														
9/10/11										N/A					STORAGE AREA														
MAIL REPORTS TO (circle if change)	ORIGINAL	0028										27 MED GP/SGPB CANNON AFB NM 88103																	
	COPY 1																												
	COPY 2																												
SAMPLE COLLECTED BY (Name, Grade, AFSC)										SIGNATURE					AUTOVON														
CARLTON A. Forbes SSGT 90730										<i>Carlton A. Forbes</i>					6812314														
REASON FOR SUBMISSION										OEHL PID																			
<input checked="" type="checkbox"/> F A-ACCIDENT/INCIDENT C-COMPLAINT F-FOLLOWUP/CLEANUP <input type="checkbox"/> R-ROUTINE BACKGROUND/PERIODIC SURVEY O-OTHER																													
SOURCE BEING SAMPLED																													
SOIL LOCATED AROUND POL STORAGE TANK 10FT UNDER SURFACE																													
EXISTING CONTROLS (Personal protective equipment, Engineering, Administrative)																													
N/A																													
SAMPLE COLLECTION DATA																													
OEHL SAMPLE NO.																													
BASE SAMPLE NO.										05910006																			
A	CHECK FOR	<input type="checkbox"/> MAJOR COMPONENTS										<input type="checkbox"/> MAJOR COMPONENTS																	
	NAME	BTEX EPA METHOD 8240																											
	NIOSH NO.																												
	NAME																												
	NIOSH NO.																												
D	NAME																												
	NIOSH NO.																												
E	CHECK FOR	<input type="checkbox"/> HAZARDOUS/TOXIC WASTE										<input type="checkbox"/> HAZARDOUS/TOXIC WASTE																	
MATERIAL NAME																													
LOT NUMBER																													
NSN (FSN)																													
SPECIFICATION (MIL or FED)																													
MANUFACTURER'S NAME																													
DESCRIPTON OF MATERIAL																													
USAGE (Heated, brushed, sprayed, etc.)																													
SUPPORTING SAMPLES	OEHL SAMPLE NO.																												
	BASE SAMPLE NO.																												
	SAMPLE TYPE																												
COMMENTS																													
PRIORITY UST REMOVAL PROJECT																													

AF FORM 2751
JAN 81

AIR FORCE
 OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
 BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910006 DEHL SAMPLE NO: 91002706
 SAMPLE TYPE: SOIL
 SITE IDENTIFIER: SUPS153A DATE RECEIVED: 910123
 DATE COLLECTED: 910114 DATE REPORTED: 910227

RESULTS

<u>Test</u>	<u>Results</u>	<u>Units</u>	<u>EPA Method</u>
Acrylonitrile	<57	ug/L	
Benzene	<6.0	ug/g	
Bromodichloromethane	<6.0	ug/g	
Bromoform	<6.0	ug/g	
Bromomethane	<11	ug/g	
Carbon Tetrachloride	<6.0	ug/g	
Chlorobenzene	<6.0	ug/g	
Chloroethane	<11	ug/g	
Chloroform	<5.0	ug/g	
Chloromethane	<11	ug/g	
1,1-Dichloroethane	<6.0	ug/g	
1,1-Dichloroethene	<6.0	ug/g	
1,2-Dichloroethane	<6.0	ug/g	
1,2-Dichloropropane	<6.0	ug/g	
Toluene	<6.0	ug/g	
Vinyl chloride	<11	ug/g	
Methylene chloride	<6.0	ug/g	
trans-1,2-Dichloroethene	<6.0	ug/g	
Trichlorofluoromethane	<6.0	ug/g	
1,1,1-Trichloroethane	<6.0	ug/g	
cis-1,3-Dichloropropene	<6.0	ug/g	EPA8010
Trichloroethylene	<6.0	ug/g	
1,1,2-Trichloroethane	<6.0	ug/g	
Tetrachloroethylene	<6.0	ug/g	
1,1,2,2-Tetrachloroethan	<6.0	ug/g	
Ethyl Benzene	<6.0	ug/g	EPA8020
2-Chloroethylvinyl ether	<11	ug/g	
Chlorodibromomethane	<6.0	ug/g	
Carbon Disulfide	<6.0	ug/g	EPA 8240
Vinyl Acetate	<57	ug/g	EPA 8240

TO:

27 MEDICAL GROUP (TAC)/SGPB
 CANNON AFB NM 88103-5300

PAGE 1 (Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910006 OEHL SAMPLE NO: 91002706
SAMPLE TYPE: SOIL
SITE IDENTIFIER: SUPS153A DATE RECEIVED: 910123
DATE COLLECTED: 910114 DATE REPORTED: 910227

RESULTS

<u>Test</u>	<u>Results</u>	<u>Units</u>	<u>EPA Method</u>
trans-1,3-Dichloropropan	<6.0	ug/g	
2-Hexanone	<57	ug/g	
m-Xylene	NP	ug/g	
o-Xylene	NP	ug/g	
p-Xylene	NP	ug/g	
Styrene	<6.0	ug/g	
Xylenes (Total)	<6.0	ug/L	NSM8240
Acetone	<110	ug/L	
Acrolein	<57	ug/L	
Methyl Isobutyl Ketone	<57	ug/g	
Methyl Ethyl Ketone	<110	ug/L	

Analytical method used: EPA Method 8240

NP : Test Not Performed

Comments:

< - Signifies none detected and the detection limits.

PAGE 2 (Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

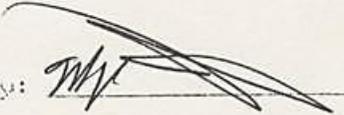
REPORT OF ANALYSIS

BASE SAMPLE NO: GS910006 OEHL SAMPLE NO: 91002706
SAMPLE TYPE: SOIL
SITE IDENTIFIER: SUPS153A DATE RECEIVED: 910123
DATE COLLECTED: 910114 DATE REPORTED: 910227

RESULTS

<u>Test</u>	<u>Results</u>	<u>Units</u>	<u>EPA Method</u>
-------------	----------------	--------------	-------------------

Analyzed by: Biospherics, Inc.

Reviewed by: 

Michael J. Wantland, MSgt, USAF
NCOIC Occupational Chemistry Branch

• PAGE 3

Attachment 2

NMEID Report Forms and Laboratory Analytical Results for Soil Samples Collected During the Removal of Tank 3 (Building 163 Heating Oil Tank) (SWMU 126)



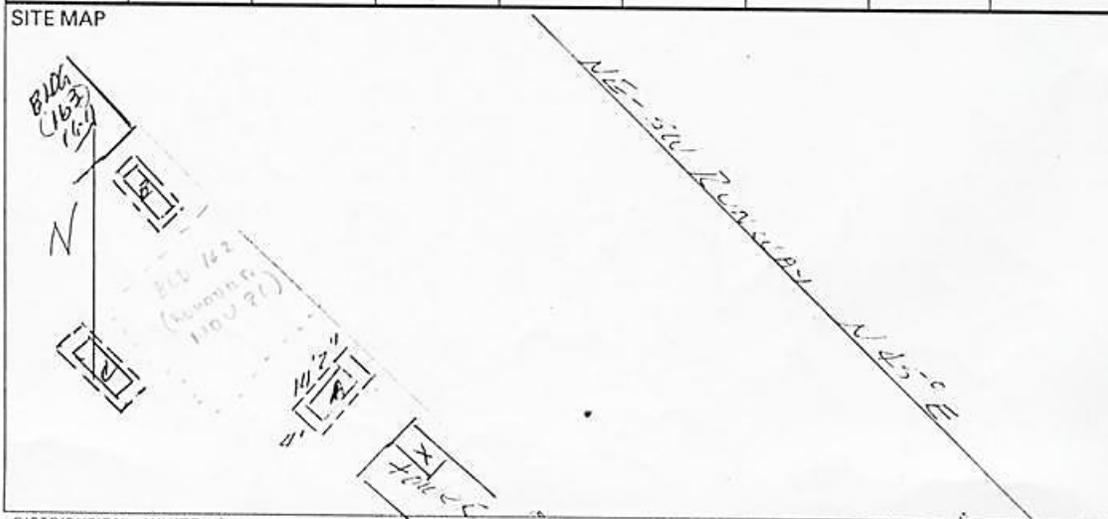
Environmental Improvement Division
 Underground Storage Tank Bureau
 Prevention/Inspection Section
 1190 St. Francis Drive
 Santa Fe, New Mexico 87503
 (505) 827-0216

INSPECTION REPORT

Page 1 of two pages

DATE <i>Nov 04 1991</i>	CASE NUMBER <i>026</i>	OPENING CONFERENCE TIME
INSPECTION TYPE: <input type="checkbox"/> COMPLIANCE <input checked="" type="checkbox"/> TANK CLOSURE <input type="checkbox"/> REPAIR <input type="checkbox"/> MODIFICATION <input type="checkbox"/> REINSPECTION <input type="checkbox"/> INSTALLATION <input type="checkbox"/> COMPLAINT		
Facility Name 1. <i>Cannon AFB</i>	Facility No. <i>6759001</i>	Phone No. <i>784-4639</i>
Address <i>Bldg 140, 27C56/DEV Chan</i>		ZIP Code <i>88103-3251</i>
Owner Name 2. <i>U.S. Air Force</i>	Owner No. <i>6759</i>	Phone No. <i>784-4639</i>
Address <i>Cannon AFB, NM</i>		ZIP Code <i>88103</i>
Facility Operator 3. <i>U.S. Air Force</i>	Phone No. <i>784-4639</i>	
Address <i>27C56/DEV Cannon AFB NM</i>		ZIP Code <i>88103</i>
Contractor Name 4. <i>322002 General Contractors (Max Frazier)</i>	Phone No. <i>915-534-9181</i>	
Address <i>1501 N. Mesa Verde / El Paso Street (Chan NM)</i>		ZIP Code <i>79902</i>

TANK NO.	SIZE	CONTENTS	INSTALLATION DATE	TANK CONSTRUCTION	PIPING CONSTRUCTION	TANK RELEASE DETECTION	PIPING RELEASE DETECTION	TANK STATUS
<i>A</i>	<i>1400gal</i>	<i>Heating Oil</i>	<i>1953 1943</i>	<i>Steel</i>	<i>Steel</i>	<i>done</i>	<i>done</i>	<i>" 140A</i>
<i>B</i>	<i>1400gal</i>	<i>"</i>	<i>1953 1943</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
<i>C</i>	<i>1500gal</i>	<i>"</i>	<i>1953 1943</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	



DISTRIBUTION: WHITE - Owner CANARY - Operator PINK - USTB GOLDENROD - Compliance Officer

026

	Yes	No	Unk.	N/A
1. All applicable tanks on site are registered.	<input checked="" type="checkbox"/>			
2. Proper notification was made for the following:				
a. Closure	<input checked="" type="checkbox"/>			
b. Installation				<input checked="" type="checkbox"/>
c. Modification				<input checked="" type="checkbox"/>
d. Repair				<input checked="" type="checkbox"/>
3. Tanks closed properly.	<input checked="" type="checkbox"/>			
4. Tanks installed properly.			<input checked="" type="checkbox"/>	
5. Tanks repaired/modified properly.				<input checked="" type="checkbox"/>
6. Release detection — tanks:				
a. Inventory records combined with annual tank tightness testing	<input checked="" type="checkbox"/>			
b. Manual tank gauging	<input checked="" type="checkbox"/>			
c. Automatic tank gauging	<input checked="" type="checkbox"/>			
d. Vapor monitoring				<input checked="" type="checkbox"/>
e. Ground water monitoring				<input checked="" type="checkbox"/>
f. Interstitial monitoring				<input checked="" type="checkbox"/>
7. Release detection — piping.		<input checked="" type="checkbox"/>		
8. Certified tank installers.				<input checked="" type="checkbox"/>
9. All required records are maintained.	<input checked="" type="checkbox"/>			
10. Evidence of release/spill.		<input checked="" type="checkbox"/>		

COMMENTS:

6. c. old style float system was used on tank "A" & tank "B" had been covered over by asphalt and coliche pad. During removal an old sewer line was cut and a small amount of sewerage drained into the tank pits.

Soil samples were taken at 2 foot below these tanks at both ends.

Samples were sent for lab analysis 1-27-11 BUI

CLOSING CONFERENCE: DATE *Nov 08/11* TIME *10:55 AM*

Compliance Officer's Signature *[Signature]* Date *11-08-11*

On-site Representative's Signature *[Signature]* Date *Nov 08 11/11*

DISTRIBUTION: WHITE - Owner CANARY - Operator PINK - USTB GOLDENROD - Compliance Officer

ENRECO
LABORATORIES GROUP

6661-A Canyon Drive • Amarillo, Texas 79110 • Telephone (806) 353-4425 • Facsimile (806) 352-6454

ge 3
ceived: 11/13/91

ENRECO LAB REPORT
Results by Sample

Work Order # 91-11-074
Continued From Above

MPLE ID S91-0950 TANK B - NORTH FRACTION 03A TEST CODE TRPH NAME TRPH 418.1
Date & Time Collected 11/04/91 Category _____

TRPH 418.1 _____ 22 _____ 5 _____ MG/KG

Tank B = 163
Demolished BLDG in 87

Notes and Definitions for this Report:
EXTRACTED _____ 11/15/91
DATE RUN _____ 11/15/91
ANALYST CM

MPLE ID S91-0951 TANK B - SOUTH FRACTION 04A TEST CODE TRPH NAME TRPH 418.1
Date & Time Collected 11/04/91 Category _____

PARAMETER RESULT M D L UNITS
TRPH 418.1 _____ 34 _____ 5 _____ MG/KG

Notes and Definitions for this Report:
EXTRACTED _____ 11/15/91
DATE RUN _____ 11/15/91
ANALYST CM

MPLE ID S91-0952 TANK C - EAST FRACTION 05A TEST CODE TRPH NAME TRPH 418.1
Date & Time Collected 11/04/91 Category _____

Tank C = 169 (Hangar)
Swim - 120

PARAMETER RESULT M D L UNITS
TRPH 418.1 _____ 40 _____ 5 _____ MG/KG

MEMO ON THE USTs AT FACILITIES 140, HANGAR 162 AND 163

MEMO:

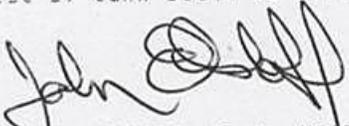
1. HISTORY: I'm including these three buildings in the same report because they set in a row along the flightline. Furthermore, all three buildings appear on the same project drawing, which is quite helpful, since I could not locate any other drawings for 163. Building 163 was demolished in early 87 and 140 in October 91. Hangar 162 was picked up intact and moved as is during the weekend of 2 and 3 November 91. It was then parked on private property to the south of the base to be sold.

All three fuel oil tanks were removed with the same contract, on 4 Nov. 91, and the excavations were found to be free of contamination. The tanks for 140 and 163 were installed in late 1958 and remained full of oil until two months before removal. Even though they had been out of service for years because of conversion to natural gas, the fuel oil had never been removed. The UST at 162 was installed in 1955 and removed from service in 1957 when the building was converted to gas. Some time after removal it was filled with water because that is what we found when we uncovered it. After getting verbal approval from the local representative of NMED, Mr. Harry Gunn, personnel from LFM pumped the water down the sanitary sewer.

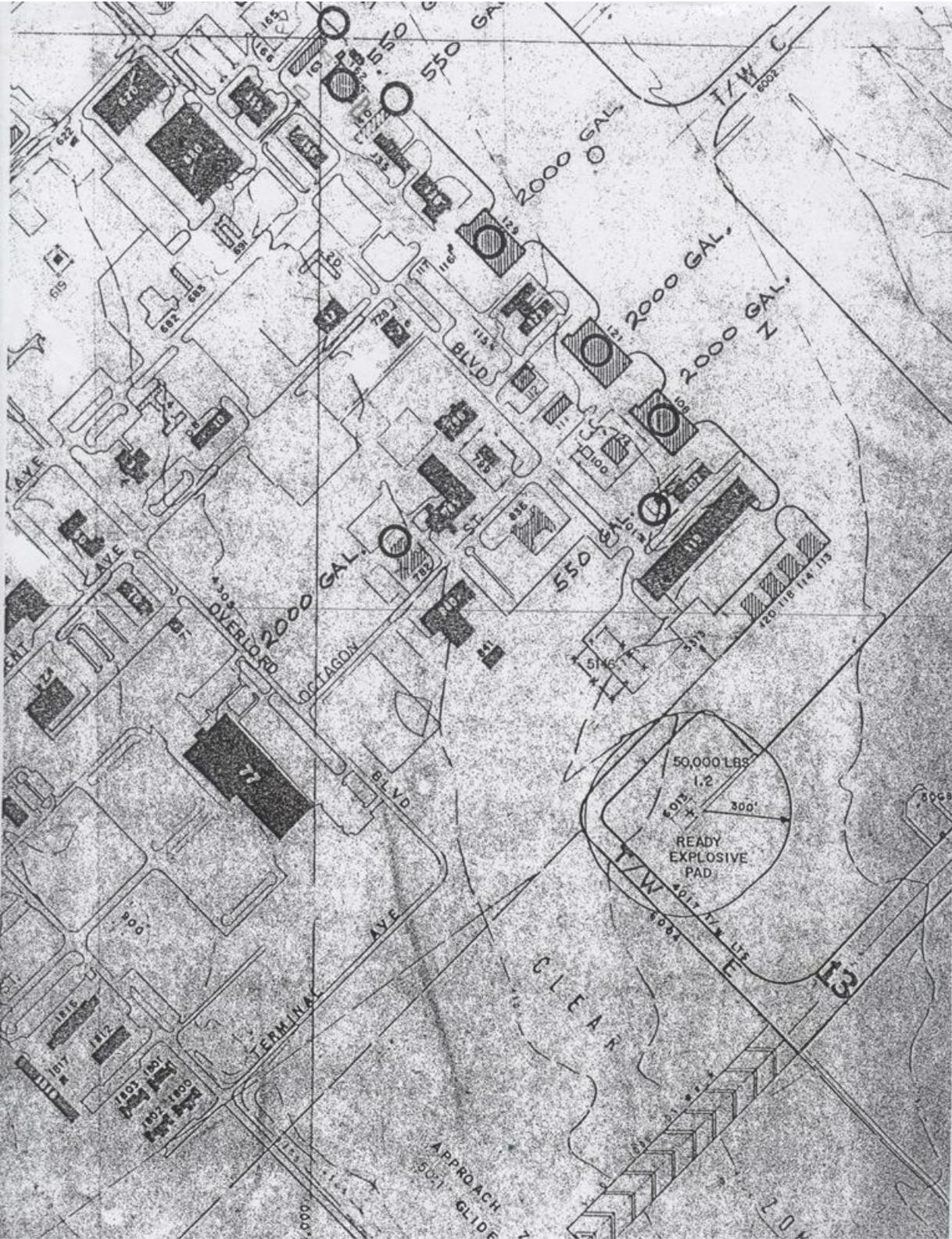
Upon excavation all three sites were visually inspected found to be free of contamination. Furthermore no holes or leaks were found in the tanks. All three tanks had tar coatings on them. The UST's for 140 and 163 were 4 foot in diameter and 14 feet long. The UST for 162 was 5 foot in diameter and 14 feet long.

NOTE: The soil samples from the UST at 140 were labeled 140A, the samples from the UST at 163 were labeled 140B, those from hangar 162 were labeled 140C. This was done by Harry Gunn of NMED.

2. SUMMARY: These three sights are clean and can be removed from the list of tank sites to be checked for contamination.


JOHN F. EKHOFF, Capt. USAF
Environmental Engineer.

NOV. 08, 1991.



Attachment 3
Facility 4095 Wash Rack and Leach Field Area Plan

