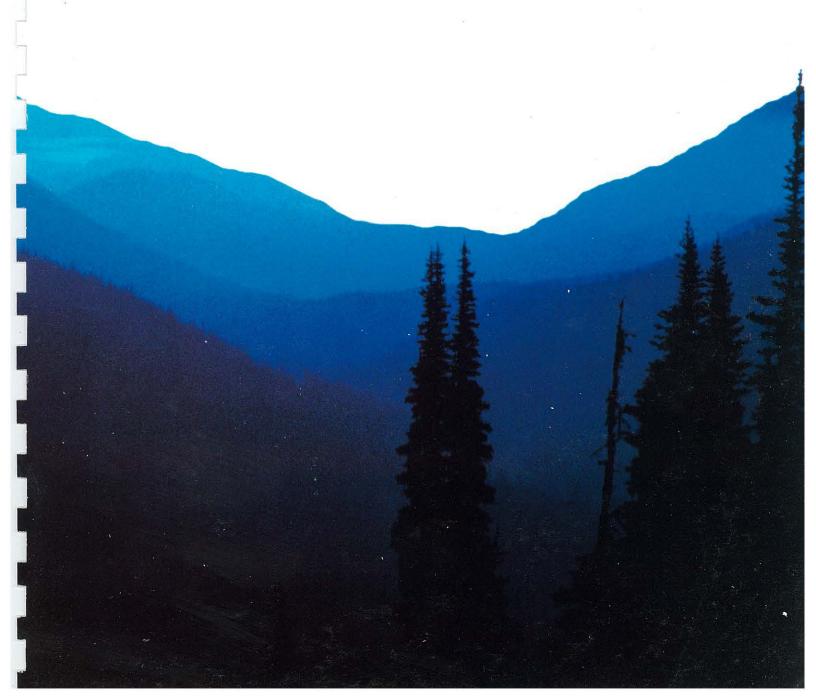
Environmental Consulting Services





Post-Removal Report
Underground Storage Tank Closure
1,000 Gallon No. 2 Fuel Oil
UST No. 0032
Building 2432
Fort Devens, Massachusetts



ATEC File: 37.07.91.07451 Contract No. DAK31-91-D-0015

Prepared for:

United States Army
Directorate of Contracting
Building 227
Fort Devens, Massachusetts

Attn: Mr. Robert J. Kruzewski, Contracting Officer

February 14, 1992



Solid & Hazardous Waste Site Assessments
Remedial Design & Construction
Underground Tank Management
Asbestos Surveys & Analysis
Hydrogeologic Investigations & Monitoring
Analytical Testing / Chemistry
Industrial Hygiene / Hazard Communication
Environmental Audits & Permitting
Exploratory Drilling & Monitoring Wells

February 14, 1992

Mr. Robert J. Kruzewski, Contracting Officer United States Army Directorate of Contracting Building 227 Fort Devens, Massachusetts 01433-5340

RE:

Post-Removal Report

Underground Storage Tank Closure

1,000 Gallon No. 2 Fuel Oil - UST No. 0032

Building 2432

Fort Devens, Massachusetts

ATEC File: 37.07.91.07451

Mr. Kruzewski:

Attached is a report by ATEC Associates, Inc. (ATEC), detailing the results of the closure of one (1) 1,000 gallon, single wall, steel Underground Storage Tank (UST) referenced as UST No. 0032, located at property known as Building 2432, Fort Devens, Massachusetts. The purpose of the closure was to excavate the UST and to evaluate the potential for the presence of oil and hazardous material at the site.

ATEC appreciates the opportunity to be of service in this matter. If you have any questions or comments, please do not hesitate to contact our office.

Sincerely,

ATEC Associates, Inc.

Mark E. Baldi

Environmental Scientist

James B. O'Brien

Group Manager

Marta J. Nover

Environmental Consulting

Division Manager

EXECUTIVE SUMMARY

On January 14, 1992, ATEC closed one (1) 1,000 gallon, single wall, steel Underground Storage Tank (UST) located at property known as Building 2432, Fort Devens, Massachusetts. The purpose of the closure was to excavate the UST and evaluate the potential for the presence of oil and hazardous material at the site.

ATEC's conclusions are as follows:

- 1. Upon excavation and removal, the tank was observed to be moderately corroded with no holes or perforations. Some cracking and chipping of the asphalt coating was noted.
- 2. Ground water was not encountered within the excavation.
- 3. Excavated soils required to free the tank were visibly contaminated. Some staining of soils within the excavation was also observed.
- 4. Ten (10) soil samples were obtained from the excavation for field screening and field analysis utilizing a PID and NDIR Analysis, respectively. PID readings ranged from 0.8 ppm to 102 ppm. NDIR results ranged from 92.5 ppm to 3,391.7 ppm TPH.
- 5. Two (2) soil samples were obtained from the excavation for laboratory analysis for TPH utilizing USEPA Extraction Method 9071 and Analysis Method (draft) 9073. Analytical results for LSS-1 obtained from the northwest wall of the excavation revealed 18,300 ppm TPH. Analytical results for LSS-2 obtained from the bottom of the excavation revealed 55 ppm TPH.
- 6. One (1) composite, soil sample (LSS-3) was obtained from stockpiled soils for laboratory analysis. Analytical results for LSS-3 revealed 5,180 ppm TPH.

ATEC's recommendations are as follows:

- 1. Conduct remedial excavation until background levels of <100 ppm TPH by laboratory analysis is attained. Field screening of soil should be conducted during excavation utilizing a Photoionizing Detector until background levels of <1 ppm are attained prior to obtaining samples for laboratory analysis.
- 2. Advance soil borings and install ground water monitoring wells to determine the vertical and horizontal extent of contamination. Continuous split spoon sampling and analysis will be conducted utilizing field analysis techniques, i.e. Photoionization Detector and Non-Dispersive Infrared Analysis, and laboratory analysis to document soil contamination levels as specified in the Hazardous Waste Containment Plan.
- 3. Additional excavated soils and stockpiled soils should be laboratory analyzed for Total Petroleum Hydrocarbons, Volatile Organic Compounds, PCBs, 13 TCLP Metals, flashpoint, sulfide reactivity, cyanide reactivity, and corrosivity for disposal classification.
- 4. Appropriately dispose of additional excavated and stockpiled soil off-site.

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POST-REMOVAL REPORT

United States Army Reserve Center Building 2432 Fort Devens, Massachusetts ATEC Project No. 37.07.91.07451

1.0 INTRODUCTION

This Post-Removal Report details the results of the closure of one (1) 1,000 gallon, single wall, steel, Underground Storage Tank (UST) referenced as UST No. 0032, located at property known as Building 2432, Fort Devens, Massachusetts. The purpose of the closure was to excavate the UST and evaluate the potential for the presence of oil and hazardous material at the site. The closure of this UST was conducted on January 14, 1992.

The basic Project Work Scope included:

- 1. Procurement/administration of all federal, state and local permits, manifests, regulations, etc., associated with UST system closure.
- 2. Excavating, venting, cleaning, transporting, and disposing of one (1) 1,000 gallon UST by appropriately licensed contractors/facilities.
- 3. Disposal of UST slops at a licensed facility.
- 4. Field screening and analysis of soil in the excavations by Photoionizing Detector (PID) and field analyzed with a portable Non-Dispersive Infrared (NDIR) Analyzer, to identify evidence release of oil and hazardous materials from the UST, if any.

- 5. Laboratory Analysis of soil sampled from the UST excavation by a US EPA certified laboratory for Total Petroleum Hydrocarbons (USEPA Extraction Method 9071 and Analysis Method (draft) 9073).
- 6. Preparation of a Post-Removal Report, to include assimilation of information gathered; major findings; and conclusions.

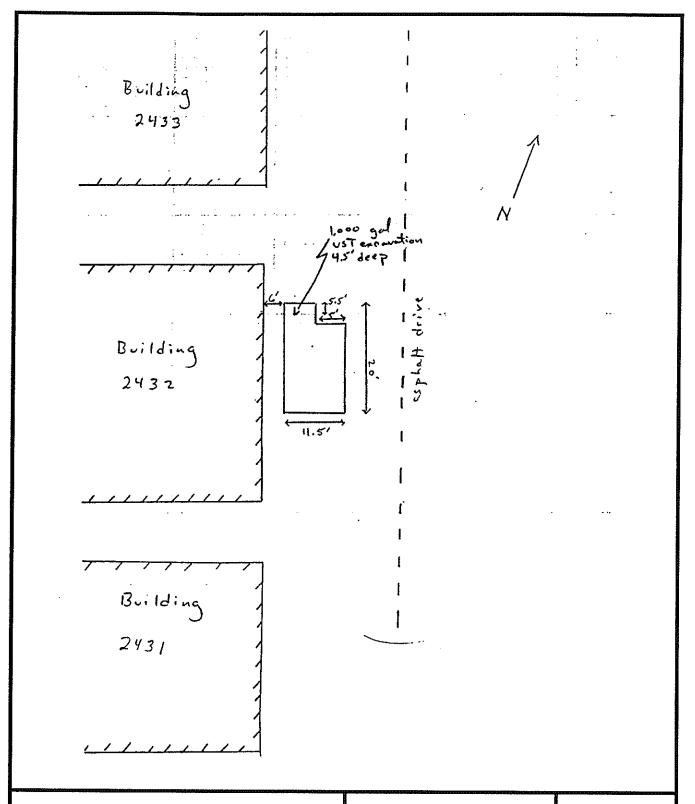
2.0 SUBSURFACE STORAGE TANK EXCAVATION AND REMOVAL

On January 14, 1992, one (1), 1,000 gallon, subsurface, No. 2 fuel oil, storage tank was excavated and removed from the site. The UST was located adjacent to the east side of the Building 2432. Site topography slopes gently downgradient to the southeast.

Soils in the excavation consisted primarily of medium brown, fine sand and silt with some cobbles, and boulders. The tank was covered by approximately 0.5 feet of soil. The bottom of the excavation was approximately 4.5 feet below grade. Ground water was not encountered. All excavated soils required to free the tank were visibly contaminated. Some staining of soils within the excavation was also observed.

Associated piping was drained and tank connections were removed. UST No. 0032 was estimated to contain 15 gallons of No. 2 fuel oil and sludges. The fuel oil and sludges were removed and drummed on January 14, 1992 for transportation at a later date. Tank openings were capped and the tank was removed from the excavation. Upon excavation and removal, the tank was observed to be in fair condition with no holes or perforations. The tank was observed to moderately rusted, and some cracking and chipping of the asphalt coating was noted. Following venting of the tank, an access way was cut in the end of the tank to allow entry for cleaning. It was then entered and vacuumed/wiped clean of any residual slops.

The scrap tank was removed from the site on January 14, 1992 and transported to the Contractor's yard, Lake George Street, Fort Devens for temporary storage. The tank was disposed at Tombarello & Sons, a licensed Massachusetts tank yard, on January 28, 1992. A copy of the disposal receipt is included in Appendix G.



UST LOCATION PLAN

1,000 gallon UST relative to: Building 2432 Fort Devens, Massachusetts PROJECT: 37.07.91.07451

NOT TO SCALE

FIGURE: 1



3.0 SAMPLING AND ANALYSIS PLAN

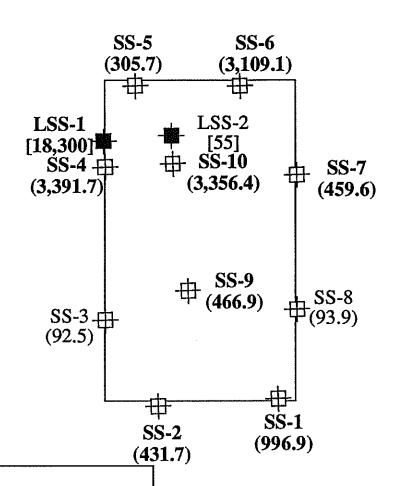
Ten (10) soil samples were obtained from the excavation for field screening with a Photoionizing Detector (PID) and field analyzed with a Non-Dispersive Infrared (NDIR) Analyzer. The PID field screening for Volatile Organic Compound (VOC) vapors was conducted with an HNu photoionizer utilizing the jar headspace screening protocol outlined in the Hazardous Materials Containment Plan. The NDIR field screening for Total Petroleum Hydrocarbons (TPH) was conducted with a Horiba OCMA 220, utilizing the procedures outlined in the Hazardous Materials Containment Plan.

Eight (8) of the samples (SS-1 to SS-8) were obtained from the excavation walls at a depth of approximately 2.0 - 3.0 feet below grade. Two (2) of the samples (SS-9 and SS-10) were obtained from the bottom of the excavation at a depth of approximately 4.5 feet below grade. Two (2) composite soil samples (Stock-1 and Stock-2) were obtained from stockpiled soils for PID and NDIR field screening. Sampling locations for the excavation are depicted on the Sampling Schematic attached as Figure 2.

Two (2) soil samples (LSS-1 and LSS-2) were obtained from the excavation for laboratory analysis. Soil Sample LSS-1 was obtained from the northwest wall of the excavation. Soil sample LSS-2 was obtained from the bottom of the excavation. One (1) composite, soil sample (LSS-3) was obtained from stockpiled soils required to free the tank. These samples were analyzed for TPH utilizing USEPA Extraction Method 9071 and Analysis Method (draft) 9073. Sampling locations are depicted on the Sampling Schematic attached as Figure 2.

The appropriate chain of custody forms are included in Appendix E.





LEGEND:

- Field Screened Soil Sample
- Lab Analyzed Soil Sample
- () NDIR Results in ppm
- [] Lab Analysis Results in ppm

Results in bold denote levels in excess of MA DEP Remedial Goal Level (100 ppm)

SAMPLING SCHEMATIC

1,000 gallon UST excavation at: Building 2432 Fort Devens, Massachusetts PROJECT: 37.07.91.07451

NOT TO SCALE

FIGURE: 2



4.0 ANALYTICAL RESULTS

The results from analysis with the Photoionization Detector (PID) and the Non-Dispersive Infrared (NDIR) Analyzer of the ten (10) soil samples obtained from the excavation, and the two (2) composite samples obtained from stockpiled soil are as follows:

TABLE 1 - PID AND NDIR RESULTS

| Sample No. | PID (ppm) | NDIR(ppm) |
|--------------|--------------|-----------|
| CC 1 | 10.4 | 996.9 |
| SS-1 SS-2 | 12.4 18.2 | 431.7 |
| SS-3 | 0.8 | 92.5 |
| SS-4 | 102 | 3,391.7 |
| SS-5 | 11.0 | 305.7 |
| SŚ-6 | 40.0 | 3,109.1 |
| SS-7 | 15.4 | 459.6 |
| SS-8 | 15.2 | 93.9 |
| SS-9 | 7.0 | 466.9 |
| SS-10 | 42 | 3,356.4 |
| Stock-1 | 24.0 | 526.3 |
| Stock-2 | 25.0 | 836.8 |

N.D. = None Detected

Laboratory analytical results of the two (2) soil samples obtained from the excavation revealed 18,300 ppm TPH for LSS-1, and 55 ppm TPH for LSS-2. Laboratory analysis of the one (1) soil sample obtained from the stockpiled soils revealed 5,180 ppm TPH for LSS-3. See Appendix D.

5.0 CONCLUSIONS AND RECOMMENDATIONS

ATEC's conclusions are as follows:

- Upon excavation and removal, the tank was observed to be moderately corroded with no holes or perforations. Some cracking and chipping of the asphalt coating was noted.
- 2. Ground water was not encountered within the excavation.
- 3. Excavated soils required to free the tank were visibly contaminated. Some staining of soils within the excavation was also observed.
- 4. Ten (10) soil samples were obtained from the excavation for field screening and field analysis utilizing a PID and NDIR Analysis, respectively. PID readings ranged from 0.8 ppm to 102 ppm. NDIR results ranged from 92.5 ppm to 3,391.7 ppm TPH.
- Two (2) soil samples were obtained from the excavation for laboratory analysis for TPH utilizing USEPA Extraction Method 9071 and Analysis Method (draft) 9073. Analytical results for LSS-1 obtained from the northwest wall of the excavation revealed 18,300 ppm TPH. Analytical results for LSS-2 obtained from the bottom of the excavation revealed 55 ppm TPH.
- 6. One (1) composite, soil sample (LSS-3) was obtained from stockpiled soils for laboratory analysis. Analytical results for LSS-3 revealed 5,180 ppm TPH.

ATEC's recommendations are as follows:

1. Conduct remedial excavation until background levels of <100 ppm TPH by laboratory analysis is attained. Field screening of soil should be conducted during excavation utilizing a Photoionizing Detector until background levels of <1 ppm are attained prior to obtaining samples for laboratory analysis.

- 2. Advance soil borings and install ground water monitoring wells to determine the vertical and horizontal extent of contamination. Continuous split spoon sampling and analysis will be conducted utilizing field analysis techniques, i.e. Photo-ionization Detector and Non-Dispersive Infrared Analysis, and laboratory analysis to document soil contamination levels as specified in the Hazardous Waste Containment Plan.
- Additional excavated soils and stockpiled soils should be laboratory analyzed for Total Petroleum Hydrocarbons, Volatile Organic Compounds, PCBs, 13 TCLP Metals, flashpoint, sulfide reactivity, cyanide reactivity, and corrosivity for disposal classification.
- 4. Appropriately dispose of additional excavated and stockpiled soil off-site.

6.0 CERTIFICATIONS & QUALIFICATIONS

This report is addressed to Mr. Robert J. Kruzewski, Contracting Officer of Directorate of Contracting, United States Army, Fort Devens with respect to UST No. 0032, located at property known as Building 2432, Fort Devens, Massachusetts (the site).

ATEC certifies that to the best of their professional knowledge, information and belief:

The investigation of the site described in the report was performed by Mark E. Baldi, Quality Control Manager; and James B. O'Brien, Group Manager (site investigators) who are qualified to make the investigations and formulate the opinions herein set forth.

The site investigators are familiar with the current provisions of the State of Massachusetts General Law Chapter 148; 527 CMR 9.00; and 502 CMR 3.00.

The site investigators are knowledgeable regarding the types of industrial, manufacturing, commercial or other processes or operations which might reasonably be expected to generate, use, treat, store or dispose of oil or hazardous material.

The site investigators have reviewed the recent history of the site and have considered the potential for the generation, use, treatment, storage, or disposal of oil or hazardous material by (a) the uses presently associated with the site and (b) to the extent ascertainable by inquiry, as noted.

In January 1992, the site investigators studied the site and, except as herein qualified, the areas in the vicinity of the site to assess the possible presence of oil and hazardous material at the site.

The following qualifications apply to ATEC's opinion:

Our professional services have been performed, our findings obtained and our recommendations prepared in accordance with customary principles and practices in the fields of environmental science and engineering. This warranty is in lieu of all other warranties either expressed or implied. This company is not responsible for the independent conclusions, opinions or recommendations made by others based on the field exploration and laboratory test data presented in this report.

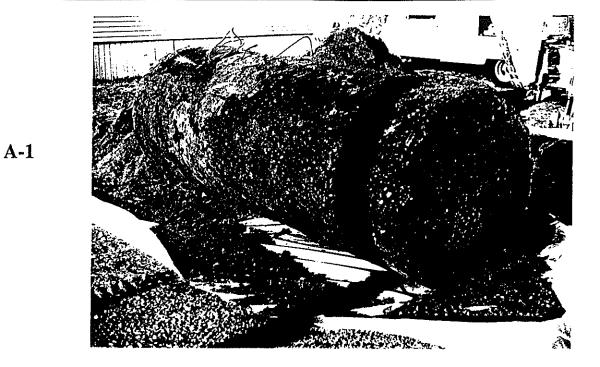
The work performed in conjunction with this assessment and the data developed are intended as a description of available information at the dates and locations given. This report does not warrant against future operations or conditions, nor does it warrant against operations or conditions present of a type or at a location not investigated.

APPENDIX A: PHOTOGRAPHIC DOCUMENTATION

Building 2432, Fort Devens, Massachusetts

ATEC File No. 37.07.91.07451

- A-1: One (1) side of removed tank.
- A-2: Opposite side of removed tank.
- A-3: Excavation as viewed from south, facing north.
- A-4: Excavation as viewed from north, facing south.



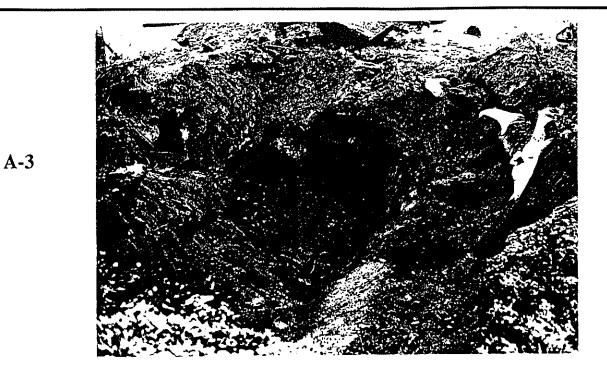
A-2



PHOTO DOCUMENTATION

1,000 gallon UST excavation at: Building 2432 Fort Devens, Massachusetts PROJECT: 37.07.91.07451





A-4

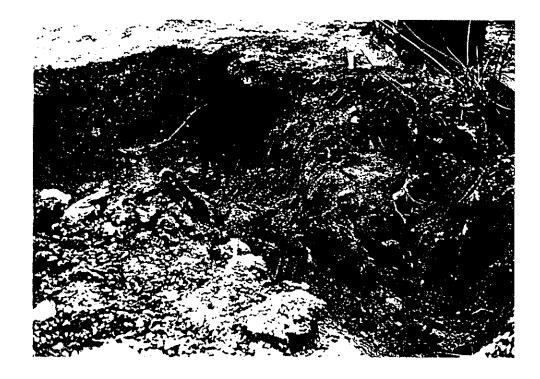


PHOTO DOCUMENTATION

1,000 gallon UST excavation at: Building 2432 Fort Devens, Massachusetts PROJECT: 37.07.91.07451



APPENDIX B: UST CLOSURE CHECKLIST

| UST-CLOSURE O/C CHECK LIST | Tank 32 | Bldg | 2432 For | + Devens | |
|---|---------|-----------|--------------|---|-----------------------------------|
| 1,000 gal No 2 fuel | | | | · · · · · · · · · · · · · · · · · · · | |
| DEFINABLE FEATURE | DATE | TIME | MEASUREMENTS | | NOTES |
| | · | | | | |
| Calibrate PID & LFL/O2 meters | 1/14/72 | 8.145 | | *************************************** | Site Topography: gently |
| | | | | | +05E |
| Drain & flush piping & pumps | 1/14/92 | 9:30 | | ······································ | |
| | | | | | |
| Excavate to top of tank | 1/14/72 | 9:45 | | | Depth to tank: 15 |
| | | | | · | |
| Vent tank note LEL O2 levels & times | 1/14/92 | | LEL | 02 | : |
| | | T1: 17:15 | O | 79.5 | |
| | | T2:12:30 | 0 | 70:7 | |
| | | T3:12:45 | U | 70. 7 | |
| | | T4: | | | |
| | | T5: | | | |
| | | T6: | | | |
| | | T7: | | | |
| ; | | T8: | | · | |
| | | T9: | | | |
| | | T10: | • | | |
| | | T11: | | | |
| | | T12: | | • | |
| - | | | | | |
| Pump & clean tank: | V7/92 | | | 5.1 | Tank Dimensions: $4 \times 10.5'$ |
| Note quantities liquid (gal) & sludge (lbs) | 1/14/97 | | lbs. sludge | | tende in good condition soul |
| | | | | · . | moderate net no holes |
| Remove all tank connections, and cap openings | 1/14/92 | 9:45 | | | or part, asphalt conting |
| | | 1 | | | on bottom cracked fulling |
| Excavate soils to free tank | 1/14/12 | 10:00 | | | 0 ft |
| | | 1/ | | | |
| Segregate stained soils: Note PID readings | 1/14/12 | 10,'00 | PID (ppm) | NDIR (ppm) | |
| (if>10 ppm NDIR also) | | | 24 | *************************************** | stock-1 |
| All soils visibly contaminates | 1 | | 25 | | stock-7 |
| 7. | | | | | |
| | | | | | |
| | · | | | | |
| | | | | | |
| 4 | | | | | |

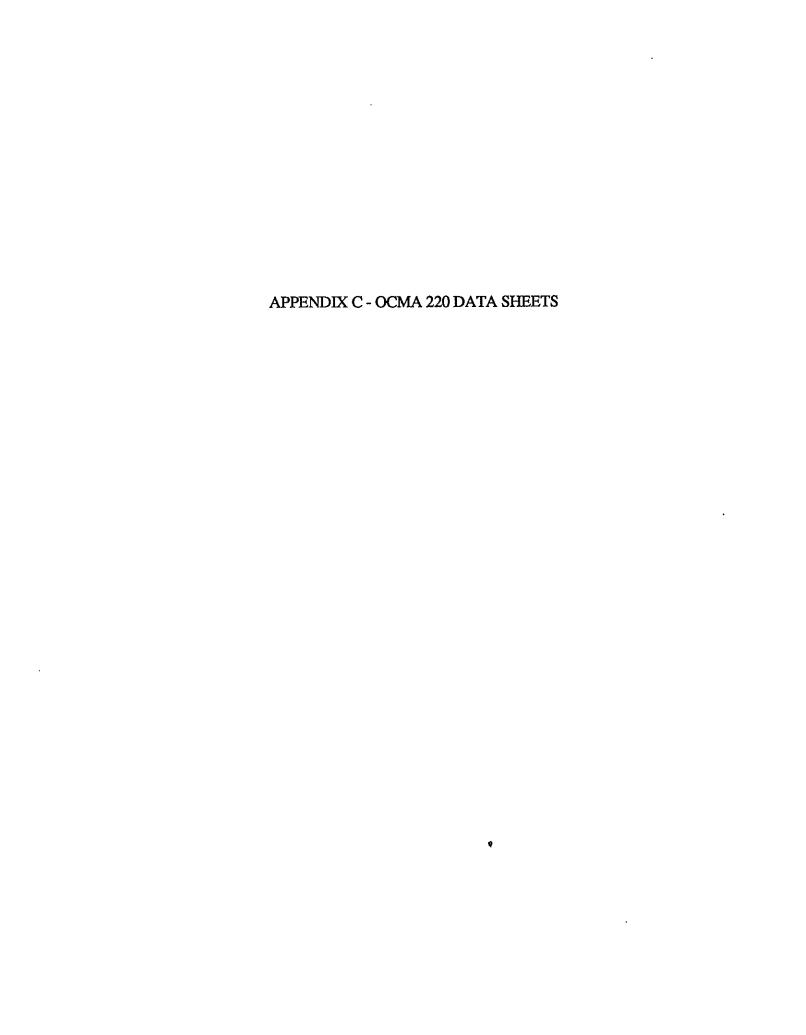
UST-CLOSURE O/C CHECK LIST DEFINABLE FEATURE TIME NOTES DATE MEASUREMENTS Remove tank, piping, pumps, and hardware. med brown fine 1/14/92 Photographic Descriptions: Soil Description: Photograph excavation; note descriptions. w/some Photo 1: Sketch Schematic Photo 2: Photo 3: ex now. Photo 4: expar Depth to Groundwater/Conditions: Photo 5: Photo 6: Depth of Excavation: 45 Place tank at safe distance from excavation 1/14/92 Secure tanks transport off-site 1/14/92 Obtain 10 soil samples from PID (ppm) 1/14/92 10:45 NDIR (ppm) Sample locations: excavation walls/bottom: Note PID/NDIR SS1: 12.4 . readings and sample locations. SS2: 18.7 SS3: SS4: 102 SS5: 11.0 ____ SS6: 40 **\$**\$7: 15.4 SS8: SS9: 7.0 SS10: 4/2 Obtain 2 soil samples & 1 water samples 10:45 Sample Locations: 1/14/97 for laboratory analysis. Note sample locations. LSS2: 2 55/0 LWS1:

| UST.CLOSURE O/C CHECK LIST | | | <u> </u> | · · · · · · · · · · · · · · · · · · · | | ····· |
|--|------|---|---|--|-----------------------|----------------|
| DEFINABLE FEATURE | DATE | TIME | MEASUREMENTS | ······································ | NOTES | |
| | | | 11121122 | | tons of backf | ill |
| Backfill excavation (if clean): | | | | | Backfill description: | |
| Note amount & type of backfill | | *************************************** | *************************************** | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| Close open excavation (if applicable) | | | | | | |
| | | ····· | | | | ···· |
| Restore surface and rope off | | | | | | |
| | | | | | | |
| Remove rubbish/debris | | | | | | |
| | | | | ····· | | |
| Transport hazardous material off-site: | | | | | Amount | Classification |
| Note amount/classification · | | | | | | |
| Make copies of manifests, permits, | | ********** | | | <u></u> | |
| and disposal receipts. | | | | | <u></u> | |
| | | | | | | · . |
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OCMA Data Sheet

| Operator | Name: Rwareman |
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| - J | |

Date: 16 Jan 92

EBI Project Number: 37.07.45

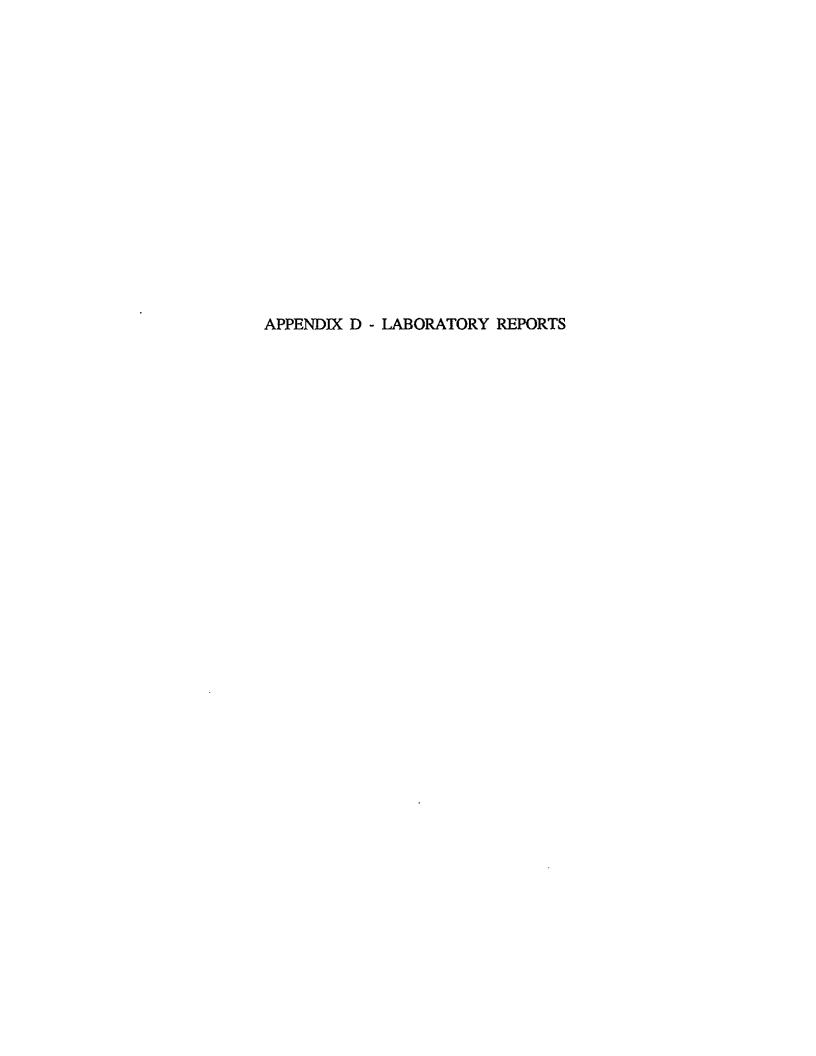
Calibration

-TE# 32

| Cultoration | Fir | st Reading | Sec | ond Reading | T | Third Reading Initial Final | | | | | | |
|--------------------|---------|------------|---------|-------------|---------|-----------------------------|-----|--|--|--|--|--|
| • | Initial | Final | Initial | Final_ | Initial | Final | | | | | | |
| Zero Calibration · | 13.1 | 10.0 | 1-1.9 | 10.0 | 1-0-2 | 100 | | | | | | |
| Span Calibration | Į | | | | | | | | | | | |
| Zero Calibration | 1 | 1 | 1 | | 1 | 1 | | | | | | |
| | | • | | | | Span Check: ZE | 3,2 | | | | | |

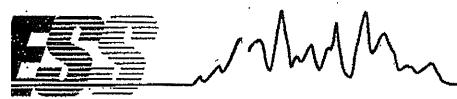
<u>Testing</u>

| | Wei | ght | First Ap | proach | Second A | Approach | • | Readings | PT-11 * 1 |
|---------------|--------------|------------------|----------|-------------|--|--|----------------|---------------------------------------|--------------------|
| ample ID# | Gross | Tare | F-113 | Sample | F-113 | Sample | First | Second | Third |
| STOCK I | 179-4 | 173,6 | | <u> </u> | <u> </u> | Ihl | 2. | 5.4 | 15.5 |
| SISSK S | 179.8 | 173.3 1 | | <u> </u> | <u> </u> | <u> </u> | 19.5 | 19,7 | 19.5 |
| | 179.3 | 173.9 1 | | <u></u> | <u> </u> | | 19.9 | | 14.7 |
| <u> </u> | 179.6 | 179.2.1 | | | | <u>}</u> | 13.9 | 14-2 | 14.2 |
| | 180.5 | 174.5 | | | | 1 | | 10.9 | 11-0 |
| 4 | 183.6 | 132.2 | | | <u> </u> | | 149.3 | 149,3 | |
| | 100.7 | 173 B 1 | | | <u> </u> | <u> </u> | 13.8 | 13.8 | |
| | 182.4 | 175.8 | | | | 1 5 | 119.2 | 118.9 | 19.01 |
| | 180.6 | 174.21 | | | | 1 Ine | 13.1 | 15.2 | 15.3 |
| · <u>8</u> | 181.7 | <u> 구웅. 건 </u> | | | <u> </u> | | 10 | 1 121 | 15 |
| <u>a</u> . | 182.1 | 175-8 | | | <u> </u> | <u> </u> | 15.4 | 15.3 | |
| <u> 10 . </u> | 178.3 | 174.1 | | | | 1 | 125.5 | 125.4 | |
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JAN-24-1992 14:50 FROM ENVIRONMENTAL SCIENCE SUC

15087722980 P.05



In Response To The Future

IRTIFICATE OF ANALYSIS

Date: 1/24/92 Job: 138

Account: 95659 Received: 1/16/92

ATEC ENVIRONMENTAL CC. 62 Accord Park Drive Norwell, MA 02061

Project: DEVENS-TANK 32

n: Mr. Mark Baldi

| mple mber | Method Number | Parameter | Result | Unit | Sample Description |
|--------------|------------------------|-------------------------------|-------------|------------|--------------------|
| 13801 | EPA-160.3 EPA-418.1 | Total Solids TPH/IR (Dry Wt.) | 84 18300 | % mg/kg | LSS-1 |
| 13802 | EPA-160.3 EPA-418.1 | Total Solids TPH/:R (Dry Wt.) | 85 55 | % mg/kg | LSS-2 |
| 13803 | EPA-160.3 EPA-418.1 | Total Solids TPH/IR (Dry Wt.) | 85 5180 | % mg/kg | LSS-3 |

David Dickipson Laboratory Manager

APPENDIX E - CHAIN OF CUSTODY FORMS

CHAIN OF CUSTODY RECORD

| ROJ. NO. PROJECT NAME Divais - Time 4 32 | | | | | | | | | | | | LAB PROJ. NO. | | | | | | | | | | | | | | |
|--|----------|----------|---|------------|-----------------------------|-------------|----------|---|-----------|--|---|------------------------------|--------------------|---|---|--|-------------|----|------------------|----------|--|--------------|--------------|---------------------------------------|--|--|
| 7.451 | CLIENT | • | | | | | | | | | | | | LABORATORY ANALYSIS | | | | | | | | | | | | |
| AMPLERS: (S | | - 7 | . <u>.</u> | [] (.), | · | · ••• | | | • | | | | | | *************************************** | /3/ | \$ | /2 | / 8/ | / (| | | | | $\overline{/}$ | S. J. |
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APPENDIX F - HAZARDOUS WASTE MANIFESTS





COMMONWEALTH OF MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF HAZARDOUS WASTE

One Winter Street Boston, Massachusetts 02108

| UNIFORM HAZARDOUS 1. Generator US EPA ID No. Me | anifest | 2. Pa | ge 1 in | formation | n in the shade | dareas |
|---|----------------------------------|-------------|---|-------------|--------------------|-----------------|
| WASTE MANIFEST MIAI7/21/1016/21/1/1/1016 | ment No. | of | / is | not requi | red by Federa | illaw. |
| 3 Generator's Name and Mailing Address Ad C S E - D . C - S | | A. St | ate Manif | est Docur | nent Number | Ī |
| AFID. DEGBOXIC Fort Deca MG1433 | | MA | F <u>=</u> | 1536 | 1 L | |
| Fort Deien Ma (143) | | B.St | ste Gen. I | | 1. | Į. |
| 4. Generator's Phone 50 & 1 796-3003 - 341-1518-796-21 | // | | | 5 <i>A1</i> | 15 | |
| 5. Transporter 1 Company Name 6. US EPAID Number Beede Waste Oil Corp. N H D 0 18958 140 | | | te Trans. | 41 | | i |
| | | | | 1713 | | |
| 7. Transporter 2 Company Name 8. US EPA ID Number | 1 1 1 | | nte Trans | 's Phone | 03 382 | (-5/61 |
| 9. Designateo Facility Name and Site Address 10. US EPA ID Number | <u> </u> |) | 131-1 | { I | 1 1 1 1 | 1 1 |
| Beede Waste Oil Corp. | | | <u></u> | 's Phone (| | |
| Kelley Road PO Box 127 | | G. St | ste Facilit | y's ID | ু Not Re | quired |
| Plaistow, NH 03865 N H D1018958140 | | | cility's Pi | დიგს პ | <u> 382-</u> | 5761 |
| 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) | 12. Cont | ainers | | 3. Ital | 14. Unit | l. Waste No. |
| 11. 00 001 Description (archomy 1 Topel Grapping Hame, Flazara Grass, and 10 Homber) | No. | Туре | | ntity | Wt/Vol | |
| a. | | | | | | 1,1 |
| WASTE PETROLEUM OILS N.O.S. | 1 : | rr. | <u>, , , , , , , , , , , , , , , , , , , </u> | | G | MAOI |
| COMBUSTIBLE LIQUID NA1270 | ┨┸┸┸╾ | . . | <u>0</u> 1/1: | 41010 | ļ | MAZIZ |
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| J. Additional Descriptions for Materials Listed Above finclude physical state and hazard code. | | K. Ha | ndling Co | desforM | astes Listed | Above |
| a | | -a. | | 17.75 | ć · · · · | |
| | .i. | | | 13. 13. | 100 A | · ' , |
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| 15. Special Handling Instructions and Additional Information | | -4 | | | | |
| Mo ho Poqualod — | | | | | | |
| To be Recycled Excura E | | | R | есус | Le | i |
| 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately descriptoper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for the content of the cont | ribed above b | Y ighway | | | | |
| according to applicable international and national government regulations. | | | | | | ļ |
| If I am a large quantity generator. I certify that I have a program in place to reduce the volume and toxicity of waste gi | enerated to ti | ne degree | I have det | rmined to | be economically | y practicable |
| and that I have selected the practicable method of treatment, storage, or disposal currently available to me which mis ment: OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and sel | nimizes the p lect the best i | vaste ma | nagement | method tha | it is available to | me and that I |
| can allord. | | | | | | Date |
| Printed/Typed Name . Signature | | | | | Month | Day Year |
| | | | | | | 1017/12 |
| 17. Transporter 1 Acknowledgement of Receipt of Materials | | | | | | Date |
| Printed/Typed Name Signifuce | V in | 17 | | ′ / | Month | Day Year |
| 18. Transporter 2 Acknowledgement of Receipt of Materials | • '/_ | films | | <u> </u> | 717 | Date |
| Printed/i yped Name Signature | | | | <i>i</i> | Month | |
| | | | | | 1 1 | |
| 19. Discrepancy Indication Space | | | | ······ | | |
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| | | | | | | |
| 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifes | t except as | noted in | nitem 19 | | | |
| | | | | | | Date |



The Commonwealth of Alassachusetts

DEPARTMENT OF PUBLIC SAFETY DIVISION OF FIRE PREVENTION

FOR REMOVAL AND TRANSPORTATION TO APPROVED TANK YARD

In accordance with the provisions of Chapter 148 6.1. as provided in Section 38A this permit is granted to

Name: Atec Environmental Associates Inc.
Full name of person, firm or Corporation
To transport underground steel storage tank(s)
to Approved tank yards 1490;

State clearly type of inert gas used in steel storage tank

FDID# 17919 Fee paid \$ _N/A steel tank: Dyname thod

Name and address of contractor disposing tank ATEC. Associates 62 Accord Park Dr. Norwell Location to which tank will be transported

This permit will expire31Jan 1992

pproved tank yard# Tire Chiling permit(IIILE)
(Head of Fire Dept.)

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| APPROVED TANK YARD LAY APPROVED TANK YARD NO. 1 | M.G. TOMBARELLO & EONS MARSTON ST. YRENCE, MASS. 01841 4 9 0 1 | |
| and ac Regulation 502 CMR 3.00 Provisions | ave personally examined the ard by firm, corporation expected same in conformant for Approving Underground Head of Fire Department tank yard owner or owner of the Approving Underground the Approving Underground Head of Fire Department tank yard owner or owner OF OF TITLE | or partnership ATEC ENVIONMENTAL ASSOC. ce with Massachusetts Fire Prevention d Steel Storage Tank dismantling yards. nt FDID# 1 7 9 19 to transport rs authorized representative: 1-18-92 DATE SIGNED |
| FORM F.P. 291 (rev. 9/88) (OVER) MASSACHUSETTS STATE FIRE MARSHAL'S OFFICE | | |
| | | |
| DIMENSIONS Width Length Fank 1 -48" - X -10'8" Fank 2 X Fank 3 X Fank 4 X | | eet) AYER Own) |

Tank 5 ---- X ---- (feet)