Post-Removal Report
Underground Storage Tank Closure
1,000 Gallon No. 2 Fuel Oil
UST No. 0024
Building 1435
Fort Devens, Massachusetts

ATEC File: 37.07.91.00451
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 3, 1992

ATEC Environmental Consultants
Division of ATEC Associates, Inc.
62 Accord Park Drive
Norwell, Massachusetts 02061
[617] 878-6200, FAX # [617] 871-6781

February 3, 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
Building 1435 - UST No. 0024
Fort Devens, Massachusetts
ATEC File: 37.07.91.00451

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. 0024, located at property known as Building 1435, Fort Devens, Massachusetts. The purpose of the closure was to excavate the UST, 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 9 and 10, 1992, ATEC closed one (1) 1,000 gallon, single wall, steel Underground Storage Tank (UST) located at property known as Building 1435, Fort Devens, Massachusetts. The purpose of the closure was to excavate the UST, 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 in good condition with no signs of perforations or punctures. However, the tank was moderately corroded.

2. Ground water was not encountered within the excavation.

3. Visual inspection of the excavation revealed all excavated soils required to free the tank to be visibly contaminated.

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 1.2 ppm to 200 ppm. NDIR results ranged from 77.9 ppm to 3,838.8 ppm.

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 west wall of the excavation revealed 4,430 ppm TPH. Analytical results for LSS-2 obtained from the bottom of the excavation revealed 3,380 ppm TPH.

6. One (1) composite, soil sample (LSS-3) was obtained from stockpiled soils for laboratory analysis. Analytical results for LSS-3 revealed 4,350 ppm TPH.

ATEC's recommendations are as follows:

1. 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.

2. Additionally 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.

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POST-REMOVAL REPORT

United States Army Reserve Center
Building 1435
Fort Devens, Massachusetts
ATEC Project No. 37.07.91.00451

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. 0024, located at property known as Building 1435, Fort Devens, Massachusetts. The purpose of the closure was to excavate the UST, evaluate the potential for the presence of oil and hazardous material at the site. The closure of this UST was conducted on January 9 and 10, 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.

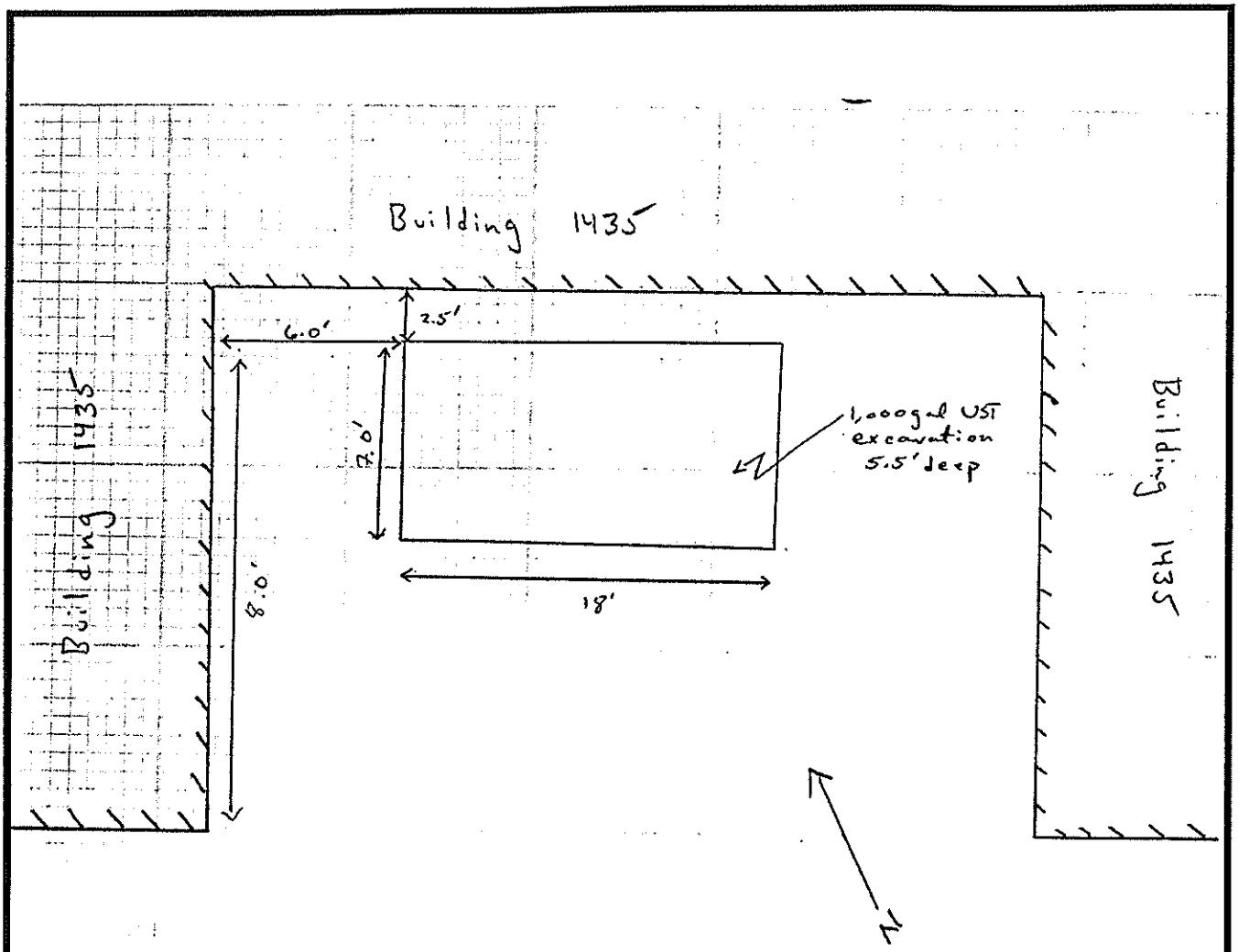
2.0 SUBSURFACE STORAGE TANK EXCAVATION AND REMOVAL

On January 9 and 10, 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 southwest side of the Building 1435. Site topography is level.

Soils in the excavation consisted primarily of light to medium brown, fine sand with trace gravel. The tank was covered by approximately 1.5 feet of soil. The bottom of the excavation was approximately 5.5 feet below grade. Ground water was not encountered. All excavated soils required to free the tank were visibly contaminated.

Associated piping was drained, and tank connections were removed. UST No. 0024 was estimated to contain 34 gallons of No. 2 fuel oil and gasoline. Approximately 14 gallons of fuel oil was removed on January 6, 1992, and transported to a licensed T.S.D.F. (Beede Waste Oil Corporation). Approximately 20 gallons of fuel oil and sludges were removed and drummed on January 9, 1992 for transportation at a later date. Tank openings were capped, and the tank was removed from the excavation. The tank was observed to be in good condition with no perforations or punctures. However, the tank was observed to be moderately corroded. 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 10, 1992 and transported to the Contractor's yard, Lake George Streèt, Fort Devens for temporary storage. The tank was disposed at Tombarello & Sons, a licensed Massachusetts tank yard, on January 24, 1992. A copy of the disposal receipt is included in Appendix G.



UST LOCATION PLAN

1,000 gallon UST relative to:
Building 1435
Fort Devens, Massachusetts

PROJECT: 37.07.451

NOT TO SCALE

FIGURE: 1

ATEC

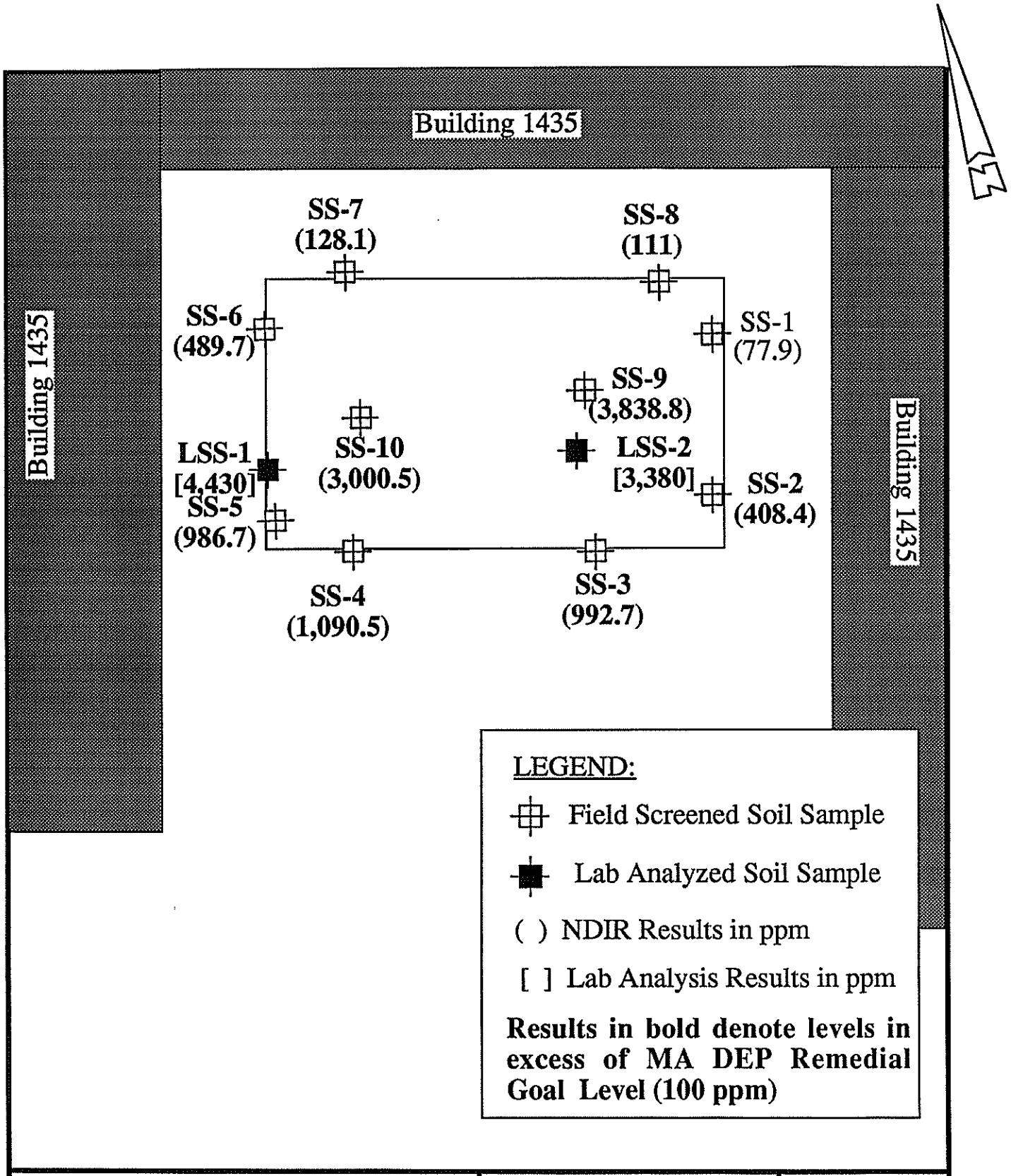
3.0 SAMPLING AND ANALYSIS PLAN

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 5.5 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 west wall of the excavation, in the vicinity of the excavation closest to the former fill pipe. 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 custodies are included in Appendix E.



SAMPLING SCHEMATIC

1,000 gallon UST excavation at:
Building 1435
Fort Devens, Massachusetts

PROJECT: 37.04.451

NOT TO SCALE

FIGURE: 2

ATEC

4.0 ANALYTICAL RESULTS

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

TABLE 2 - PID AND NDIR RESULTS

Sample No.	PID (ppm)	NDIR(ppm)
SS-1	1.4	77.9
SS-2	4.5	408.4
SS-3	5.3	992.7
SS-4	3.2	1,090. 5
SS-5	7.5	986.7
SS-6	6.0	489.7
SS-7	1.2	128.1
SS-8	2.3	111.0
SS-9	200	3,838.8
SS-10	10.2	3,000.5
Stock-1	11.0	3,500.8
Stock-2	5.2	2,279.8

N.D. = None Detected

Laboratory analytical results of the two (2) soil samples obtained from the excavation revealed 4,430 ppm TPH for LSS-1, and 3,380 ppm TPH for LSS-2. Laboratory analysis of the one (1) soil sample obtained from the stockpiled soils revealed 4,350 ppm TPH for LSS-3. See Appendix D.

5.0 CONCLUSIONS AND RECOMMENDATIONS

ATEC's conclusions are as follows:

1. Upon excavation and removal, the tank was observed to be in good condition with no signs of perforations or punctures. However the tank was moderately corroded.

2. Ground water was not encountered within the excavation.

3. Visual inspection of the excavation revealed all excavated soils required to free the tank to be visibly contaminated.

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 1.2 ppm to 200 ppm. NDIR results ranged from 77.9 ppm to 3,838.8 ppm.

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 4,430 ppm TPH. Analytical results for LSS-2 obtained from the bottom of the excavation revealed 3,380 ppm TPH.

6. One (1) composite, soil sample (LSS-3) was obtained from stockpiled soils for laboratory analysis. Analytical results for LSS-3 revealed 4,350 ppm TPH.

ATEC's recommendations are as follows:

1. 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.

2. Additionally 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.

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 property known as Building 1435, 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 1435, Fort Devens, Massachusetts
ATEC File No. 37.07.91.00451

A-1: One (1) side of removed tank.

A-2: Opposite side of removed tank.

A-3: Excavation as viewed from east, facing west.

A-4: Excavation as viewed from west, facing east.

A-1

A-2

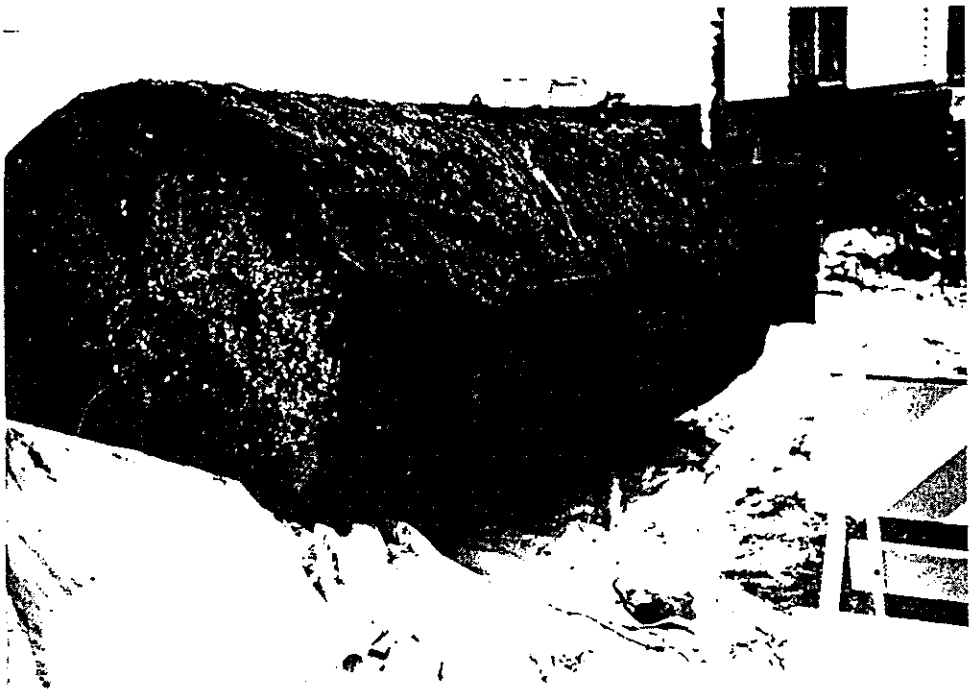
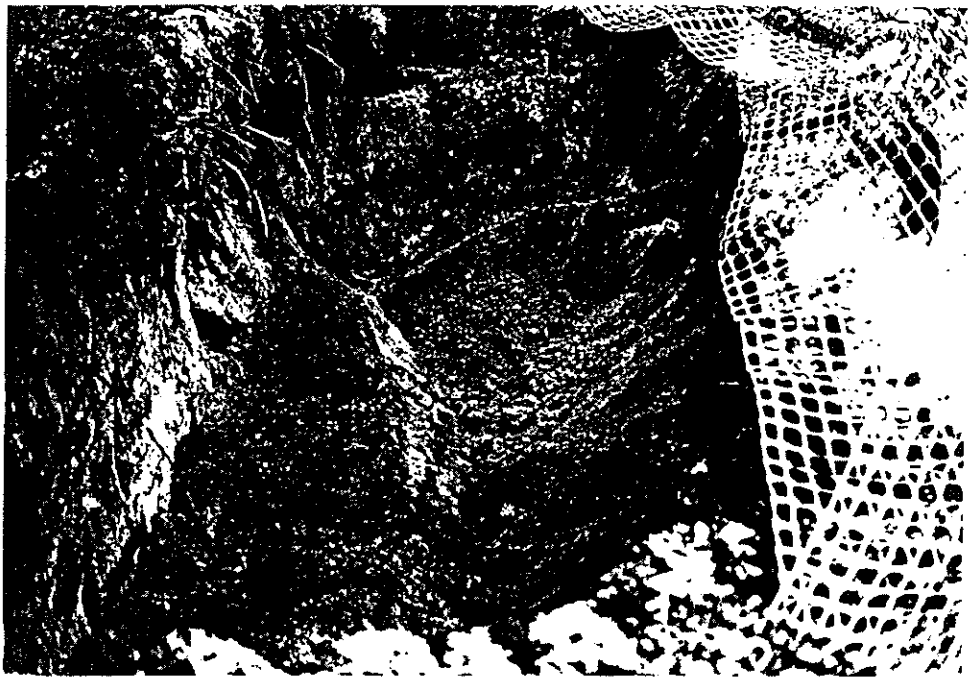


PHOTO DOCUMENTATION 1,000 gallon UST excavation at: Building 1435 Fort Devens, Massachusetts	PROJECT: 37.07.451	ĀTEC

A-3



A-4

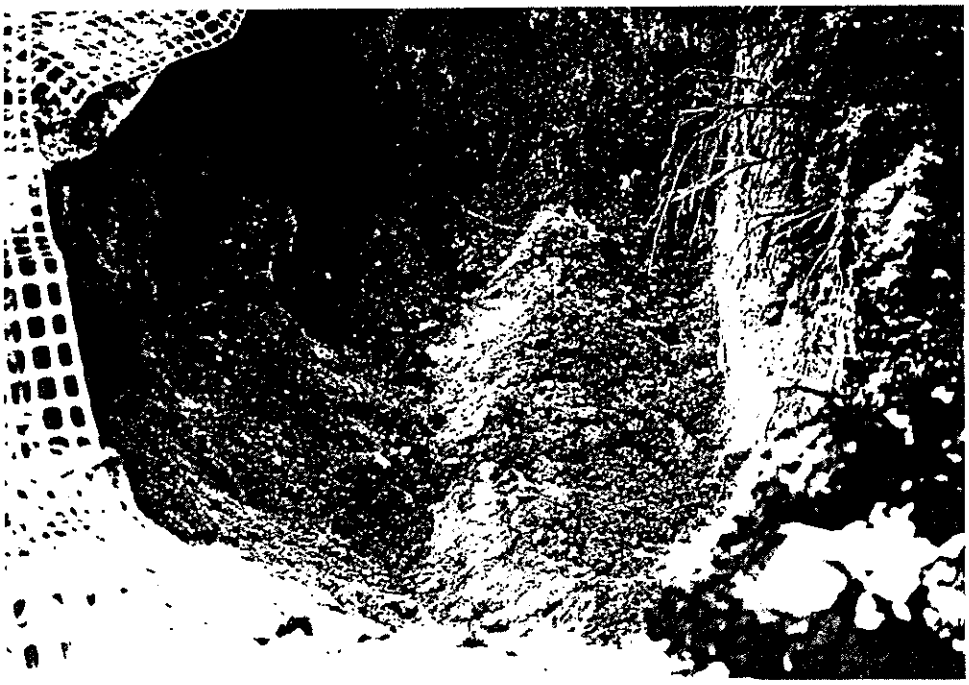


PHOTO DOCUMENTATION 1,000 gallon UST excavation at: Building 1435 Fort Devens, Massachusetts	PROJECT: 37.07.451	ĀTEC

APPENDIX B: UST CLOSURE CHECKLIST

UST-CLOSURE O/C CHECK LIST	UST No 24 - Bldg 1435 Fort Devens			
1000 gal No. 2 Fuel				
DEFINABLE FEATURE	DATE	TIME	MEASUREMENTS	NOTES
Calibrate PID & LEL/O2 meters	1/9/92	8:30		Site Topography: level
Drain & flush piping & pumps	1/9/92	9:30		
Excavate to top of tank	1/9/92	9:00		Depth to tank: 1.5'
Vent tank note LEL/O2 levels & times	1/10/92		LEL O2	Volatiles - gasoline in
		T1: 11:00	0-9% 11.8	tank & inert w/Dry Ice
		T2: 11:15	0-9% 8.7	in
		T3: 11:30	0-9% 9.5	
		T4: 11:45	0-9% 9.5	
		T5: 12:00	0-9% 20.9%	
		T6: 12:15	0-9% 20.9%	
		T7:		
		T8:		
		T9:		
		T10:		
		T11:		
		T12:		
Pump & clean tank:	1/6/92		19 gal. liquid + 20 gal	Tank Dimensions: 4 x 10.5'
Note quantities liquid (gal) & sludge (lbs)	1/9/92	12:00	25 lbs. sludge	tank immediately rusted
				into holes, perforating
Remove all tank connections, and cap openings	1/9/92	10:00		
Excavate soils to free tank	1/9/92	10:00		
Segregate stained soils: Note PID readings	1/9/92	9:30	PID (ppm) NDIR (ppm)	
(if >10 ppm NDIR also)			11.0	stock-1
All soils required to			5.2	stock-2
remove tank visably &				
affect contaminated				

UST-CLOSURE O/C CHECK LIST				
DEFINABLE FEATURE	DATE	TIME	MEASUREMENTS	NOTES
Remove tank, piping, pumps, and hardware.	1/10/97	11:00	Photographic Descriptions:	Soil Description: lightly mixed brown Lime
Photograph excavation; note descriptions.			Photo 1: [illegible]	sand w/trace gravel
Sketch Schematic			Photo 2: [illegible]	
			Photo 3: [illegible]	
			Photo 4: [illegible]	
			Photo 5:	Depth to Groundwater/Conditions: N/A
			Photo 6:	
Place tank at safe distance from excavation	1/10/97	11:00		Depth of Excavation: 5.0
Secure tanks transport off-site	1/10/97	12:00		
Obtain 10 soil samples from	1/10/97	11:26	PID (ppm) NDIR (ppm)	Sample locations: 7.0 - 3.0'
excavation walls/bottom: Note PID/NDIR			SS1: 1.4	E wall
readings and sample locations.			SS2: 4.5	E wall
			SS3: 5.3	S wall
			SS4: 3.2	S wall
			SS5: 7.5	W wall
			SS6: 6.0	W wall
			SS7: 1.2	N wall
			SS8: 7.3	N wall
			SS9: 700	Bottom
			SS10: 10.2	Bottom
Obtain 2 soil samples & 1 water samples	1/10/97	11:30		Sample Locations:
for laboratory analysis. Note sample locations.				LSS1: SS5
				LSS2: SS9
				LWS1:
				LSS3: composite stockpile

UST CLOSURE Q/C CHECK LIST				
DEFINABLE FEATURE	DATE	TIME	MEASUREMENTS	NOTES
				____ tons of backfill
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,				
and disposal receipts.				

APPENDIX C - OCMA 220 DATA SHEETS

OCMA Data Sheet

Operator Name: Rick Gehman Date: 13 Jan 92 EBI Project Number: 37.07.452

TCH 24

Calibration

	First Reading		Second Reading		Third Reading	
	Initial	Final	Initial	Final	Initial	Final
Zero Calibration	31.2	0.0	-0.9	0.0	-0.1	0.0
Span Calibration						
Zero Calibration						

Span Check: 31.1

Testing

Sample ID#	Weight Gross	Weight Tare	First Approach F-113	First Approach Sample	Second Approach F-113	Second Approach Sample	Readings First	Readings Second	Readings Third	
STOCK1	79.3	74.1	17.5	1 ml			32.7	32.8	—	3500.8
STOCK2	80.1	73.6					28.6	26.6	26.7	2279.8
1	79.7	70.2					.8	.8	—	77.9
2	79.8	74.5					3.8	3.9	—	408.4
3	81.8	74.7					12.4	12.7	12.7	992.7
4	81.1	75.4					11.4	11.2	—	1090.5
5	81.7	75.4					2.5	3.1	3.1	986.7
6	79.6	74.5					4.3	4.5	4.5	489.7
7	80.6	74.1					1.5	1.5	—	128.1
8	80.2	74.2					1.2	1.2	—	111.0
9	79.1	74.3					27.7	33.1	33.2	3838.8
10	79.4	73.5					56.2	34.8	34.6	3000.5

APPENDIX D - LABORATORY REPORTS

RECEIVED JAN 21 1992

In Response To The Future

CERTIFICATE OF ANALYSIS

Date: 1/17/92 Job: 101
Account: 95659
Received: 1/13/92

To: ATEC ENVIRONMENTAL CO.
62 Accord Park Drive
Norwell, MA 02061

Project: TANK 24

Attn: Mr. Mark Baldi

Sample Number	Method Number	Parameter	Result	Unit	Sample Description
010101	EPA-160.3	Total Solids	83	%	LSS-1
	EPA-418.1	TPH/IR (Dry Wt.)	4430	mg/kg	
010102	EPA-160.3	Total Solids	84	%	LSS-2
	EPA-418.1	TPH/IR (Dry Wt.)	3380	mg/kg	
010103	EPA-160.3	Total Solids	89	%	LSS-3
	EPA-418.1	TPH/IR (Dry Wt.)	4350	mg/kg	

David Dickinson
Laboratory Manager

Page: 1

APPENDIX E - CHAIN OF CUSTODY FORMS

PROJ. NO.	PROJECT NAME	LAB PROJ. NO.
07.451	Tank 24	
	CLIENT P.C. Inc.	

SAMPLERS: *(Signature)*

SAMPLING METHOD: Tank

SAMPLE I.D. NO.	DATE	TIME	COMPOSITE	GRAB	WATER	SOIL		FILTERED	ACIDIFIED	ICED		NUMBER OF CONTAINERS	LAB I.D. NUMBER	VOLATILE ORGANICS	BTX & E	TOTAL HYDROCARBONS (IR)	PCB'S	E.P. TOXIC METALS	TOTAL METALS (8)	IGNITABILITY		SAMPLE LOCATION / REMARKS
C551	1/10/92					✓						1				X						
C552	1/10/92					✓						1				X						
C553	1/10/92		X			X						1				X						

LABORATORY ANALYSIS

Relinquished by: *(Signature)*	Date / Time	Received by: *(Signature)*	Relinquished by: *(Signature)*	Date / Time	Received by: *(Signature)*
	1/10/92				

Relinquished by: *(Signature)*	Date / Time	Received for Laboratory by: *(Signature)*	Date / Time	Project Manager / Phone #:

ATEC Environmental Consultants
Division of ATEC Associates, Inc.
62 Accord Park Drive
Norwell, MA 02061
(617) 878-6200

CHAIN OF CUSTODY RECORD

PROJ. NO. 02.451 | PROJECT NAME Tank 24 Tidy 1135 | CLIENT | LAB PROJ. NO.

SAMPLERS: *(Signature)*

LABORATORY ANALYSIS

SAMPLE I.D. NO.	DATE	TIME	COMPOSITE	GRAB	WATER	SOIL		FILTERED	ACIDIFIED	ICED		NUMBER OF CONTAINERS	LAB I.D. NUMBER	VOLATILE ORGANICS	BTX & E	TOTAL HYDROCARBONS	PCB'S	E.P. TOXIC METALS	TOTAL METALS (8)	IGNITABILITY		SAMPLE LOCATION / REMARKS
SAMPLING METHOD																						
1551	1/16/92					X										X						Sp 1, 4
1552	1/16/92					X										X						Sp 1, 4.
														"								
1553	1/16/92		X			X										X						Sp 1, 4

Relinquished by: *(Signature)* | Date / Time 1/16/92 | Received by: *(Signature)* | Relinquished by: *(Signature)* | Date / Time | Received by: *(Signature)*

Relinquished by: *(Signature)* | Date / Time | Received for Laboratory by: *(Signature)* | Date / Time | Project Manager / Phone #:

ATEC Environmental Consultants
Division of ATEC Associates, Inc.
62 Accord Park Drive
Norwell, MA 02061
(617) 878-6200

APPENDIX F - HAZARDOUS WASTE MANIFESTS

PRESS HARD - YOU ARE WRITING THROUGH EIGHT COPIES. SEE REVERSE SIDE FOR DIRECTIONS

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF HAZARDOUS WASTE
One Winter Street
Boston, Massachusetts 02108

Print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
	MA7210025154	01999		

Generator's Name and Mailing Address: HQS Fort Devens FD600
AFZD-DEQ Box 10
Fort Devens, MA 01433

Generator's Phone: (508) 796-3002 24HR 508-796-2711

A. State Manifest Document Number: MA F353630
B. State Gen. ID:
C. State Trans. ID:
D. Transporter's Phone: 508-382-5761
E. State Trans. ID:
F. Transporter's Phone (cont'd):
G. State Facility's ID: Not Required
H. Facility's Phone: 603-382-5760

Transporter 1 Company Name: Beede Waste Oil Corp. — 6. US EPA ID Number: NHD 018958140

Transporter 2 Company Name — 8. US EPA ID Number:

Designated Facility Name and Site Address: Beede Waste Oil Corp.
Kelley Road PO Box 127
Plaistow, NH 03865 — 10. US EPA ID Number: NHD 018958140

9. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
WASTE PETROLEUM OILS, N.O.S. COMBUSTIBLE LIQUID NA1270	1	TT	2200	G	MA01

Additional Descriptions for Materials Listed Above (Include physical state and hazard code): a. b. c. d.

K. Handling Codes for Wastes Listed Above: a. b. c. d.

15. Special Handling Instructions and Additional Information

To be Recycled — Recycle

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Date (Month Day Year)
Mark Boser	Mark Boser	01 06 92

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)
Robert D. Murphy Jr.	Robert D. Murphy Jr.	01 10 92

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Date (Month Day Year)

MA F353630 COPY>1: FACILITY MAILS TO DESTINATION STATE

APPENDIX G - PERMITS/CERTIFICATIONS

The Commonwealth of Massachusetts

DEPARTMENT OF PUBLIC SAFETY—DIVISION OF FIRE PREVENTION

PERMIT

FOR REMOVAL AND TRANSPORTATION TO APPROVED TANK YARD

DIG SAFE NUMBER
220220506
Start Date 1/9/92

In accordance with the provisions of Chapter 148, G.L. 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 yard# 14901

State clearly type of inert gas used in steel storage tank

steel tank: Dry ice
method

FDID# 17919

Fee paid $ N/A

Name and address of contractor disposing tank ATEC Associates, 62 Accord Park Dr, Norwell MA

Location to which tank will be transported

14901
Approved tank yard#

This permit will expire 31 Jan 1992

Signature of official granting permit (TITLE)
(Head of Fire Dept.)

Tank 24
Building 1435

CEIPT OF DISPOSAL OF UNDERGROUND STEEL STORAGE TANK

ME AND ADDRESS OF PROVED TANK YARD: JOHN C. TOMBARELLO & SONS, 207 MARSTON ST., LAWRENCE, MASS. 01841

PROVED TANK YARD NO. 1 4 9 0 1

nk Yard Ledger 502 CMR 3.03(4) Number: 9 2 0 0 0 9 9

certify under penalty of law I have personally examined the underground steel storage tank livered to this "approved tank yard" by firm, corporation or partnership Atec Env. and accepted same in conformance with Massachusetts Fire Prevention gulation 502 CMR 3.00 Provisions for Approving Underground Steel Storage Tank dismantling yards. valid permit was issued by LOCAL Head of Fire Department FDID# L7919 to transport is tank to this yard.

me and official title of approved tank yard owner or owners authorized representative:

Signature	Title	Date Signed
Monte	CPO	1-24-92

is signed receipt of disposal must be returned to the local head of the fire department ID# L7919 pursuant to 502 CMR 3:00. (EACH TANK MUST HAVE A RECEIPT OF DISPOSAL)

RM F.P. 291 (rev. 9/88) (OVER) MASSACHUSETTS STATE FIRE MARSHAL'S OFFICE

DIMENSIONS

	Width (feet)	Length (feet)
Tank 1	48	10
Tank 2	-----	-----
Tank 3	-----	-----
Tank 4	-----	-----
Tank 5	-----	-----

Tank Removed From
Building 1435
(no. street)
Fort Devens, MA
(city or town)

Fire Department Permit # ----------
(if applicable)