FLOYD BENNETT FIELD
BROOKLYN, NEW YORK
GATEWAY NATIONAL RECREATION AREA
CONTRACT NUMBER: 94-C-0037
REMOVAL OF USTS, TRANSFORMERS, & MISCELLANEOUS

PRESENTED TO:

USACE 1900 HEMPSTEAD TURNPIKE SUITE 316 EAST MEADOW, NEW YORK 11554

BY:

CLEANING UP THE ENVIRONMENT 103 GODWIN AVENUE P.O. BOX 237 MIDLAND PARK, NEW JERSEY 07423

ON BEHALF OF TRI-GEM'S BUILDERS

DATE: 15 DEC 1996

REVISED 17 MAR 1997

SIGNED: / Kusi). Just DATE: 17 /MX/ 1487

CHRIS D. ELLIOTT, CONTRACTOR'S QUALITY CONTROL REPRESENTATIVE



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CHRONOLOGY OF EVENTS

28 MAR 1995

Cleared access to and cut openings in two (2)105,000 gallon oil storage tanks (ASTs 86N and 86S). Cleared access to two (2) 245,000 gallon jet fuel storage tanks (ASTs JP1 and JP2). Removed manways from floating roofs in JP1 and JP2.

29 MAR 1995

Cut access holes into floating roof compartments of JP1 and JP2. Shipped off 11,000 gallons of waste water from JP2 on FCI bills of lading number 72942 and 82524. Commenced search for locations of USTs in trailer park area.

30 MAR 1995

Shipped off 10,305 gallons of waste water from JP1 on FCI bills of lading numbers 82415 and 82516 and 4,998 gallons of waste water from JP2 on FCI bill of lading number 61184. Removed and cleaned internal steam coils from AST 86N. Sampled sludge from ASTs 86N and 86S.

31 MAR 1995

Cleaned AST 86N. Drummed sludge for future disposal. Shipped off load of scrap (steam coils).

03 APR 1995

Continued search for locations of USTs in trailer park area.

04 APR 1995

Removed and cleaned steam coils from AST 86S and shipped to recycler. Cleaned AST 86S. Drummed sludge for disposal. Constructed drum storage area.

05 APR 1995

Placed all waste drums in drum storage area. Drum storage area bermed and fenced.

06 APR 1995

Shipped of contents of 1,000 gallon AST in Building 86, twenty one (21) 275 gallon USTs in trailer park area, 550 gallon UST at Hangar 5, two (2) 275 gallon USTs at the NOAA site, and UST at Building 265. A total of 4,529 gallons were shipped on manifest NJA1907213.

07 APR 1995

Removed, cleaned, and demolished trailer park USTs 11, 12, and 15. Located trailer park UST 16. Removed, cleaned and demolished NOAA area USTs 1 and 2 and Building 86 AST.

10 APR 1995

Removed, cleaned and demolished trailer park USTs 18, 21, 23, 29, 30, and 32. Removed remote fill line, 60 feet long from TP21, and remote fill line, 95 feet long from TP29. Excavated one Mack tandem load of contaminated soil from TP 22, and transferred to stockpile area.

11 APR 1995

Removed, cleaned and demolished trailer park USTs 7, 13, 33, 34 and 35. Delayed four hours by break of $\frac{3}{4}$ " residential water line. Repaired same.

12 APR 1995

Commenced dismantling and removal of AST 86N.

13 APR 1995

Completed dismantling and removal of ASTs 86N and 86s. Removed, cleaned and demolished trailer park USTs 2, 5, 6, and 13.

17 APR 1995

Completed dismantling and removal of AST JP2.

18 APR 1995

Completed dismantling and removal of AST JP1.

19 APR 1995

Loaded all remaining steel from ASTs 86N, 86S, JP1, and JP2 and shipped to recycler. Located, removed, cleaned and demolished 5,000 gallon UST from Building 86.

20 APR 1995

Drained and removed remaining piping from areas of ASTs 86N, 86S, JP1, and JP2. Located UST at Building 102. Shipped off scrap steel from USTs to recycler.

02 JUN 1995

Transferred contents of waste sludge drums to "vactainer."

13 JUN 1995

Shipped off load of scrap steel from USTs to recycler.

19 JUN 1995

Commenced concrete breaking and removal of vault containing three (3) 25,000 gallon USTs at Building 96.

20 JUN 1995

Continued demolition of concrete vault. Commenced cleaning of USTs at Building 96.

21 JUN 1995

Completed cleaning of USTs at Building 96. Removed contents of drums in POL area and one drum containing sludge in Building 86. Total of 741 gallons on manifest NJA1907224. Removed sludge from USTs into "vactainer."

22 JUN 1995

Removed three (3) 25,000 gallon USTs at Building 96, 1,000 gallon UST at Building 273/274, 1,000 gallon UST at Building 102, and trailer park USTs 16 and 17.

23 JUN 1995

Removed five Mack tandem loads of contaminated soil from Building 96 to stockpile area. Excavated and removed 90 feet of remote line at Building 102 UST. Cleaned and demolished USTs from Buildings 102, and 273/274, and UST's TP16 and TP17.

26 JUN 1995

Completed cleaning and demolition of Building 96 USTs. Removed one Mack tandem load of contaminated soil from Building 273/274 UST excavation and placed in stockpile.

27 JUN 1995

Removed and demolished sand mats from area of Building 96 USTs. Cleaned and demolished drums from POL area and Building 86. Shipped out load of scrap steel to recycler.

09 AUG 1995

Pumped and shipped out 3900 gallons of waste gasoline on manifest NJA1907229. Removed three (3) 5,000 gallon USTs from Ranger Road Gas Station.

10 AUG 1995

Cleaned and demolished USTs from Ranger Road Gas Station. Removed three Mack tandem loads of contaminated soil from Gas Station excavation and transported to stockpile.

11 AUG 1995

Removed, cleaned and demolished two (2) 3,000 gallon gasoline USTs from POL area. Placed sludge from USTs into "vactainer."

14 AUG 1995

Shipped out 4,080 gallons of sludge in "vactainer" on manifest NJA1907228. Shipped out load of scrap steel to recycler. Removed 550 gallon UST at Hangar 5. Located four (4) 5,000 gallon gasoline USTs at Building 176.

15 AUG 1995

Cleaned and demolished Building 265 UST. Uncovered 10,000 gallon and 1,000 gallon USTs at Hangar 7.

16 AUG 1995

Shipped of site 8,306 gallons of tank contents from USTs at Hangar 7 and Building 88. Removed 10,000 and 1,000 gallon USTs from Hangar 7. Located unknown UST at Hangar 7. Removed four Mack tandem loads of contaminated soil from excavation at Hangar 7 and transported to stockpile.

17 AUG 1995

Cleaned and demolished 1,000 gallon UST from Hangar 7. Removed 2,500 gallon UST from Building 88. Removed four Mack tandem loads of contaminated soil from excavation at Building 88.

18 AUG 1995

Cleaned and demolished Building 88 UST. Commenced cleaning and demolition of 10,000 gallon UST from Hangar 7.

21 AUG 1995

Shipped off site 5,480 gallons of tank contents from USTs at Buildings 265 and 176 on manifest NJA1603219. Removed, cleaned, and demolished 275 gallon UST from Building 265. Sealed connections to oil/water separator at Building 265 so as to make flow through.

22 AUG 1995

Uncovered two (2) 5,000 gallon USTs and concrete encasement at Building 26.

23 AUG 1995

Shipped off site 10,237 gallons of tank contents from USTs at Buildings 26 and 176 on manifests NJA1969041 and NJA1969042. Shipped off load of scrap steel to recycler. Removed one (1) 5,000 gallon UST from Building 26.

24 AUG 1995

Shipped off site 8,551 gallons of tank contents from USTs at Building 176 on manifests NJA1907235 and NJA1909043. Removed (1) 5,000 gallon UST from Building 26. Cleaned and demolished both USTs from Building 26. Removed pipe run from 5,000 gallon UST at Building 86 and removed and stockpiled four Mack tandem loads from pipe run area.

01 SEP 1995

Prepared areas for asphalt at Hangar 7 and Hangar 5 UST excavation.

05 SEP 1995

Installed asphalt paving at Hangar 7 and Hangar 5 UST excavation areas.

06 SEP 1995

Prepared drums in Building 86 for shipment. Disconnected switch gear from wall in Building 88.

11 SEP 1995

Began removal of underground piping at Building 86 ASTs. Discovered asbestos containing material around piping.

12 SEP 1995

Drained and containerized oil from switch gear, transformer, and voltage regulator in Building 88. Prepared area at Building 26 excavation for asphalt pavement.

13 SEP 1995

Installed base coat pavement at Building 26 excavation.

14 SEP 1995

Completed demolition of excavated tanks.

15 SEP 1995

Installed top coat pavement at Hangars 5 and 7 excavations.

04 DEC 1995

Commenced demolition of concrete vaults at Building 176 USTs.

05 DEC 1995

Continued demolition of concrete vault. Removed one (1) 5,000 gallon UST from Building 176.

06 DEC 1995

Continued demolition of concrete vault. Removed two (2) 5,000 gallon USTs from Building 176.

07 DEC 1995

Completed demolition of concrete vault. Removed one (1) 5,000 gallon UST from Building 176.

13 DEC 1995

Removed additional UST at Hangar 7 (approximately 500 gallon capacity). Commenced cleaning and demolition of Building 176 USTs.

15 DEC 1995

Removed two (2) 100 gallon USTs from POL area. Continued cleaning and demolition of USTs.

18 DEC 1995

Completed cleaning and demolition of excavated USTs.

28 DEC 1995

Shipped off transformer, voltage regulator, switch gear and associated fluid on manifest NYB7406397. Located, removed, cleaned and demolished 275 gallon UST in NOAA area. Excavated and stockpiled one Mack tandem load of contaminated soil from easternmost 100 gallon POL area UST.

29 DEC 1995

Uncovered and cleared debris from area of Building 96 vault.

04 JAN 1996

Commenced removal of piping from Building 96 vault. Commenced demolition of vault.

05 JAN 1996

Continued removal and cleaning of piping from Building 96 vault. Continued demolition of vault.

17 JAN 1996

Continued demolition of vault at Building 96. Excavated and transferred to stockpile area two Mack tandem loads of contaminated soil from vault area.

18 JAN 1996

Completed removal and cleaning of piping from Building 96 vault. Completed demolition of vault.

31 JAN 1996

Shipped off six drums of tank contents, six drums of tank sludge, and three drums of water softener from Building 86 on manifest NJA2290909.

LIST OF UNDERGROUND STORAGE TANKS

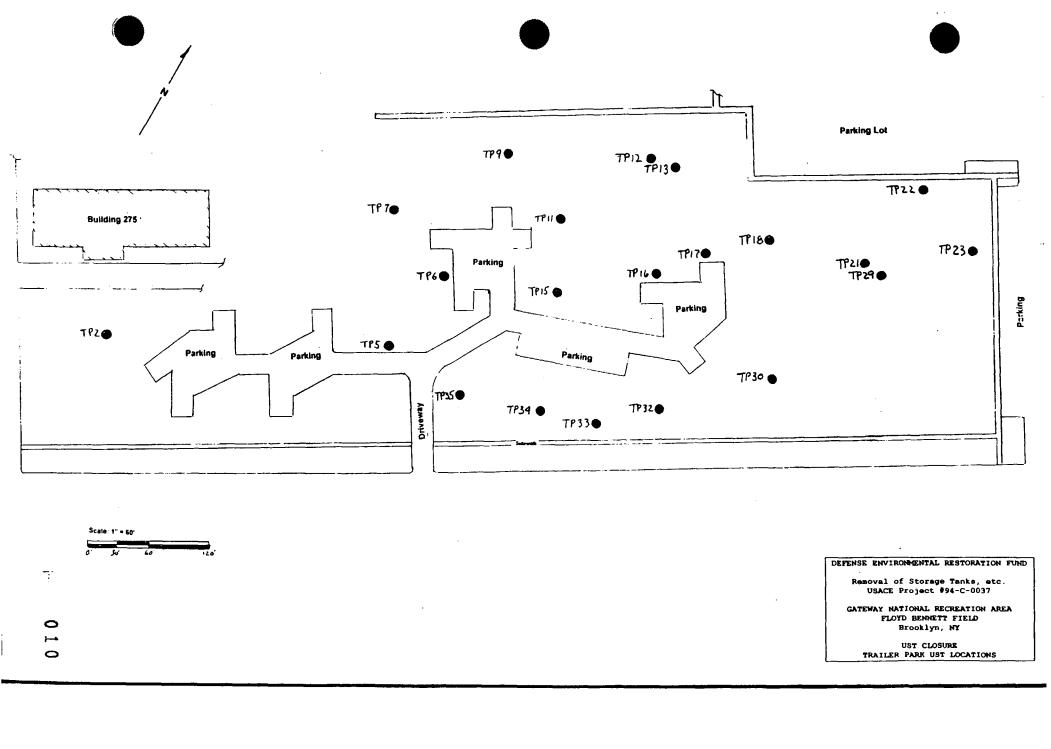
UST No.	Location	Capacity	Product
TP2 TP5	Trailer Park Trailer Park	275 Gal. 275 Gal.	#2 Oil #2 Oil
TP6	Trailer Park	275 Gal.	#2 Oil
TP7	Trailer Park	275 Gal.	#2 Oil
TP9	Trailer Park	275 Gal.	#2 Oil
TP11	Trailer Park	275 Gal.	#2 Oil
TP12	Trailer Park	275 Gal.	#2 Oil #2 Oil
TP13 TP15	Trailer Park Trailer Park	275 Gal. 275 Gal.	#2 Oil #2 Oil
TP15	Trailer Park	275 Gal. 275 Gal.	#2 Oil
TP17	Trailer Park	275 Gal. 275 Gal.	#2 Oil
TP18	Trailer Park	275 Gal.	#2 Oil
TP21	Trailer Park	275 Gal.	#2 Oil
TP22	Trailer Park	275 Gal.	#2 Oil
TP23	Trailer Park	275 Gal.	#2 Oil
TP29	Trailer Park	275 Gal.	#2 Oil
TP30	Trailer Park	275 Gal.	#2 Oil
TP32	Trailer Park	275 Gal.	#2 Oil
TP33	Trailer Park	275 Gal.	#2 Oil
TP34	Trailer Park	275 Gal.	#2 Oil
TP35	Trailer Park	275 Gal.	#2 Oil
NOAl	NOAA Area	275 Gal.	Gasoline
NOA2	NOAA Area	275 Gal.	Gasoline
NOA3	NOAA Area	275 Gal.	#2 Oil
POL-1	POL Area	100 Gal.	Run-off
POL-2	POL Area	100 Gal.	Run-off
POL-3	POL Area	3,000 Gal.	Gasoline
POL-4	POL Area	3,000 Gal.	Gasoline
GS1	Ranger Rd. Sta.	5,000 Gal.	Gasoline
GS2	Ranger Rd. Sta.	5,000 Gal.	Gasoline
GS3	Ranger Rd. Sta.	5,000 Gal.	Gasoline
Н5	Hangar 5	550 Gal.	#2 Oil
H7-1	Hangar 7	10,000 Gal.	#2 Oil
H7-2	Hangar 7	1,000 Gal.	#2 Oil
H7-3	Hangar 7	500 Gal.	#2 Oil
26-1	Building 26	5,000 Gal.	Gasoline
26-2	Building 26	5,000 Gal.	Gasoline
86	Building 86	5,000 Gal.	Diesel
88	Building 88	2,500 Gal.	Diesel
	-		

List of Underground Storage Tanks (cont'd)

UST No.	Location	Capacity	Product
96-1 96-2 96-3	Building 96 Building 96 Building 96	25,000 Gal. 25,000 Gal. 25,000 Gal.	# Oil # Oil # Oil
102	Building 102	1,050 Gal.	Gasoline
176-1 176-2 176-3	Building 176 Building 176 Building 176	5,000 Gal. 5,000 Gal. 5,000 Gal.	Gasoline Gasoline Gasoline
265	Building 265	275 Gal.	Waste Oil
273	Buildings 273/274	1,000 Gal.	#2 Oil

USACE CONTRACT #94-C-0037
REMOVAL OF STORAGE TANKS, TRANSFORMERS &
MISCELLANEOUS, VARIOUS LOCATIONS, NEW YORK

SITE LOCATION: TRAILER PARK GROUNDS, FLOYD BENNETT FIELD, BROOKLYN, NEW YORK



CLEANING UP THE ENVIRONMENT (C.U.T.E.) 103 GODWIN AVENUE SUITE 237 MIDLAND PARK, NEW JERSEY 07432 (201)427-2881

UST CLOSURE REPORT - TP02

PAGE 1 OF 3

Contract Number: DACA51-94-C-0037 Title: Removal Of Storage Tanks,

Transformers & Miscellaneous, Various Locations, New York

Tank Number: TP02 Tank Size (Gallons): 275

Tank Dimensions: 3' X 5' Product(s) Contained: #2 Fuel Oil Volume In Tank (Gallons): 125 Date Removed: 13 APR 1995

Site Location: Floyd Bennett Field, Brooklyn, New York

SITE HISTORY:

1. Tank/pipe design - Single-layer steel; No monitoring devices present.

- 2. Age of equipment 30+ years.
- 3. History of Spills None.
- 4. Past analytical Results None.
- 5. Well records None.
- 6. Drinking water wells in vicinity None.
- 7. Potentially affected areas None.

FIELD OBSERVATIONS:

- Tank and/or pipe Excavation No visually contaminated soil observed in excavation.
- 2. Depth of stained, discolored and/or contaminated soil N/A.
- 3. Sheen None.
- 4. Noticeable leaks in pipe joints None.

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PAGE 2 OF 3

Trailer Park Grounds, Floyd Bennett Field, New York, UST #2 (TP02)

- Localized areas of corrosion None.
- 6. Holes or pits in tanks and/or pipes None.
- Noticeable odors before, during, and/or after tank excavations -None.
- 8. Groundwater encountered? Depth to groundwater? Volume removed from excavation? None encountered.
- 9. Free product on groundwater? Thickness? None.

FIELD MEASUREMENTS AND ANALYSIS:

- 1. Which field instruments were used? HNU-PID.
- Tank removed.
 What were the readings from any areas of visual contamination? N/A.

What were the results from headspace analysis taken from the sidewall, bottom of the excavation, and below the bottom of the excavation? 0 PPM.

- Piping removed All piping removed. Only copper lines used for feed & return were discovered
- 5. Soil samples; locations; results:*
 - * See soil sample location map included with Field Log, immediately after page (3) of this report.
- 6. Groundwater samples NA.

LAB MEASUREMENTS AND ANALYSIS:

All laboratory results are listed on sample location map(s). Copies of complete analyses have been submitted under separate cover.

1. Sample collector - Chris D. Elliott.

PAGE 3 OF 3

Trailer Park Grounds, Floyd Bennett Field, New York, UST #2 (TP02)

- 2. Laboratory methods used for determination of soil contamination EPA Method 8021 for Volatile Organic(s)(VOAs); EPA Method 8270 for Poly-Aromatic Hydrocarbon(s)(PAHs).
- 3. Total amount of contaminated soil removed for disposal None.
- 4. Method of disposal N/A.

Disposal facility - N/A.

- 5. Fill source No off-site fill material was used.
- 6. Results of analysis of on-site material used for backfill Clean, sample results included with analytical reports from samples taken beneath USTs.
- 7. Further action required? No.
- 8. Area restored? Yes, backfilled with clean sand, compacted and graded.

CONTRACTOR'S CERTIFICATION: I hereby certify that to the best of my knowledge and belief that all information presented here is correct and accurate.

Name: Christopher D. Elliott

Signature: (hustephen). Sunt

Representing: Cleaning Up The Environment (C.U.T.E.), Midland Park, New

Jersey

Date Report Prepared: 03 JUL 1995

C.U.T.E.
FIELD SAMPLE LOG

UST TP02

SAMPLE NUMBER	TP02-001	TP02-002	TP02-03	TP02-04	TP02-05	
SAMPLE DATE	4/13/95	4/13/95	4/13/95	4/13/95	4/13/95	
TIME OF COLLECTION	1350	1351	1352	1353	1354	
SAMPLE TYPE (G OR C)*	G	G	G	G	G	
SAMPLE DEPTH	4'6"	4'	4'	3'6"	4'	
PRESERVATIVES USED	NA	NA	NA	ŇA	NA .	
DATA COLLECTED (HNU)	0 ppm	0 ppm	0 ppm	0 ppm	0 ppm	
HNU METER CAL.(?)	YES	YES	YES	YES	YES	
ANALYSIS REQUIRED	8021 8270		8021 8270	t .	8021 8270	
SAMPLE DESCRIPTION	Sand, little	silt				
COLOR	tan	tan	tan	tan	tan	
SOIL TEXTURE	Dry and gr	Lanular				
MOTTLES	none	none	none	none	none	
WEATHER	Cloudy, 55	DF				
GROUNDWATER PRESENT	No groundwater present					
ODORS	none	none	none	none	none	
I HEREBY CERTIFY THAT TO I						S:
CHRIS D. ELLIOTT		(Trus	D XIII	4	•	6/23/95
NAME		STENATUR	RE (DATE

SAMPLE RESULT(S) SUMMARY

Trailer Park Grounds, Floyd Bennett Field, New York, UST #02 (TP02)

Field Sample No.:

TP02-001 TP02-002 TP02-003 TP02-004 TP02-005

Date: Depth (Ft.): 4/13/95 4/13/95 4/13/95 4/13/95 . 4.5' 4.0' 4.0' 3.5' 4.0'

Volatile Organic Compounds (VOAs), EPA Method 8021, (ppb)

Guida	nce
Value,	(ppb)

Benzene	14	U	U	U	U	U
Toluene	100	U	U	U	U	U
Ethylbenzene	100	U	U	U	U	U
m-p Xylenes	100	U	U	U	U	U
o-Xylene	100	U	U	U	U	U
Isopropylbenzene	100	U	U	U	U	U
n-Propylbenzene	100	U	U	U	U	u
p-Isopropyttoluene	100	U	U	U	U	U
1,3,5-Trimethylbenzene	100	U	U	U	U	U
1,2,4-Trimethylbenzene	100	U	U	U	U	U
t-butyibenzene	100	U	U	U	U	U
Methyl-t-butylether	100	U	U	U	U	U
sec-Butylbenzene	100	U	U	U	1.1	U
n-Butylbenzene	100	U	U	U	U	U
Napthalene (8021)	200	U	U	U	U	U

Poly-Aromatic Hydrocarbons (PAHs), EPA Method 8270, (ppb)

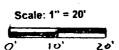
Acenapthene	400	U	U	U	υ	U
Fluorene	1000	U	U	U	U	U
Phenanthrene	1000	U	U	U	U	U
Anthracene	1000	U	U	U	U	U
Fluoranthene	1000	U	81 J	U	U	U
Pyrene	1000	U	120 J	U	U	U
Benzo(a)anthracene	.04*	U	6 6 J	U	υ	U
Chrysene	.04*	U	. 130 J	U	U	U
Benzo(b)fluoranthene	.04*	U	280 J	U	50 J	U
Benzo(k)fluoranthene	.04*	U	150 J	U	4 6 J	U
Benzo(a)pyrene	.04*	U	160 J	Ų	U	U
Indeno(1,2,3-cd)pyrene	.04*	U	140 J	U	U	U
Dibenz(a,h)anthracene	1000	U	70 J	U	U	U
Benzo(g,h,i)perylene	.04*	U	120 J	U	U	U

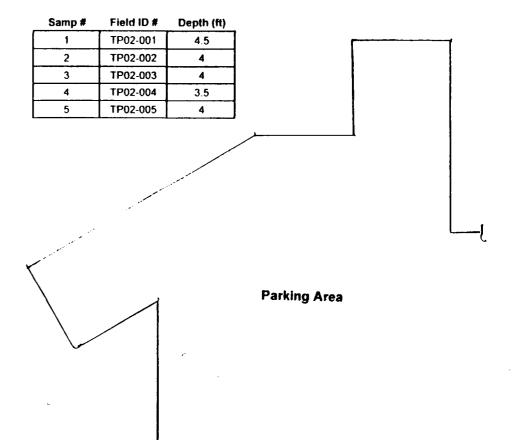
^{*} Detection limit for these compounds is 330 ppb in the best of cases.

For the purpose of this summary, in the VOA section, U means less than 1 ppb, and; in the PAH section, U means less than 360 ppb.









DEFENSE ENVIRONMENTAL RESTORATION FUND

Removal of Storage Tanks, etc.
USACE Project #94-C-0037

GATEWAY NATIONAL RECREATION AREA FLOYD BENNETT FIELD Brooklyn, NY

UST CLOSURE TANK AND SAMPLE LOCATIONS UST #TP2

CLEANING UP THE ENVIRONMENT (C.U.T.E.) 103 GODWIN AVENUE SUITE 237 MIDLAND PARK, NEW JERSEY 07432 (201)427-2881

UST CLOSURE REPORT - TP05

PAGE 1 OF 3

Contract Number: DACA51-94-C-0037 Title: Removal Of Storage Tanks,

Transformers & Miscellaneous, Various Locations, New York

Tank Number: TP05 Tank Size (Gallons):

Tank Dimensions: 3' X 5' Product(s) Contained: #2 Fuel Oil

Volume In Tank (Gallons): Residual Date Removed: 13 APR 1995

Site Location: Floyd Bennett Field, Brooklyn, New York

SITE HISTORY:

1. Tank/pipe design - Single-layer steel; No monitoring devices present.

- 2. Age of equipment 30+ years.
- 3. History of Spills None.
- 4. Past analytical Results None.
- 5. Well records None.
- 6. Drinking water wells in vicinity None.
- 7. Potentially affected areas None.

FIELD OBSERVATIONS:

- 1. Tank and/or pipe Excavation No visually contaminated soil observed in excavation.
- 2. Depth of stained, discolored and/or contaminated soil N/A.
- 3. Sheen None.
- 4. Noticeable leaks in pipe joints None.

PAGE 2 OF 3

Trailer Park Grounds, Floyd Bennett Field, New York, UST #5 (TP05)

- 5. Localized areas of corrosion None.
- 6. Holes or pits in tanks and/or pipes None.
- 7. Noticeable odors before, during, and/or after tank excavations None.
- 8. Groundwater encountered? Depth to groundwater? Volume removed from excavation? None encountered
- 9. Free product on groundwater? Thickness? None.

FIELD MEASUREMENTS AND ANALYSIS:

- 1. Which field instruments were used? HNU-PID.
- Tank removed.
 What were the readings from any areas of visual contamination? N/A.

What were the results from headspace analysis taken from the sidewall, bottom of the excavation, and below the bottom of the excavation? 0 PPM.

- **3. Piping removed -** All piping removed. Only copper lines used for feed & return were discovered.
- 5. Soil samples; locations; results:*
 - * See soil sample location map included with Field Log, immediately after page (3) of this report.
- 6. Groundwater samples NA.

LAB MEASUREMENTS AND ANALYSIS:

All laboratory results are listed on sample location map(s). Copies of complete analyses have been submitted under separate cover.

1. Sample collector - Chris D. Elliott.

PAGE 3 OF 3

hudephu D. Jawet

Trailer Park Grounds, Floyd Bennett Field, New York, UST #5 (TP05)

- 2. Laboratory methods used for determination of soil contamination EPA Method 8021 for Volatile Organic(s)(VOAs); EPA Method 8270 for Poly-Aromatic Hydrocarbon(s)(PAHs).
- 3. Total amount of contaminated soil removed for disposal None.
- 4. Method of disposal N/A.

Disposal facility - N/A.

- 5. Fill source No off-site fill material was used.
- **6.** Results of analysis of on-site material used for backfill Clean, sample results included with analytical reports from samples taken beneath USTs.
- 7. Further action required? No.
- 8. Area restored? Yes, backfilled with clean sand, compacted and graded.

CONTRACTOR'S CERTIFICATION: I hereby certify that to the best of my knowledge and belief that all information presented here is correct and accurate.

Name: Christopher D. Elliott

Signature:

Representing: Cleaning Up The Environment (C.U.T.E.), Midland Park, New

Jersey

Date Report Prepared: 03 JUL 1995

C.U.T.E. FIELD SAMPLE LOG

UST TP05

1. CONTRACT #: 94-C-003	7 2. SITE NAME/LOCATION: Floyd Bennett Field, Brooklyn, NY	
3. SAMPLER/AFFILIATION:	CHRIS D. ELLIOTT/TRI-GEM BUILDERS	
4. PERSONNEL ON-SITE:	CLEANING UP THE ENVIRONMENT	

						
SAMPLE NUMBER	TP05-001	TP05-002	TP05-003	TP05-004	TP05-005	
SAMPLE DATE	4/13/95	4/13/95	4/13/95	4/13/95	4/13/95	
TIME OF COLLECTION	1420	1421	1422	1423	1424	
SAMPLE TYPE (G OR C)*	G	G	G	G	G	
SAMPLE DEPTH	5'6"	4'	4'	4'	4'	
PRESERVATIVES USED	NA	NA	NA	NA	NA	
DATA COLLECTED (HNU)	0 ppm	0 ppm	0 ppm	0 ppm	0 ppm	
HNU METER CAL.(?)	YES	YES	YES	YES	YES	
ANALYSIS REQUIRED	8021 8270	1			8021 8270	
SAMPLE DESCRIPTION	Sand, little	silt				<u> </u>
COLOR	tan	tan	tan	tan	tan	
SOIL TEXTURE	Dry and gr	anular		L		
MOTTLES	none	none	none	none	none	
WEATHER	Cloudy, 55 D F					
GROUNDWATER PRESENT	No groundwater present					
ODORS	none	none	none	none	none	
HEREBY CERTIFY THAT TO IS TRUE AND ACCURATE AND CHRIS D. ELLIOTT		IANCE WIT	H CONTRA	ACT SPECI	FICATIONS	6/23/9
NAME		SIGNATUR	₹ □ (DATE

SAMPLE RESULT(S) SUMMARY

Trailer Park Grounds, Floyd Bennett Field, New York, UST #05 (TP05)

Field Sample No.:

TP05-001 TP05-002 TP05-003 TP05-004 TP05-005

Date:

4/13/95 4/13/95 4/13/95 4/13/95 . 4.0'

4.0' 4.0'

Depth (Ft.):

4.0"

Volatile Organic Compounds (VOAs), EPA Method 8021, (ppb)

Guida	nce
Value,	(ppb)

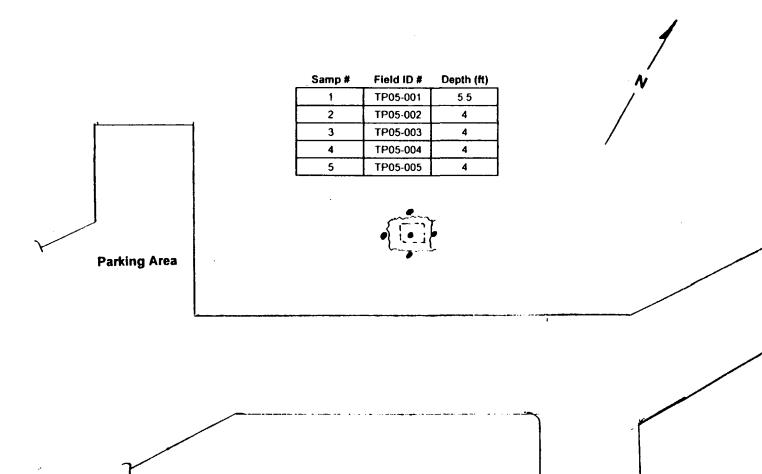
Benzene	14	U	U	U	U	U
Toluene	100	U	U	.97	U	U
Ethylbenzene	100	U	U	Ü	U	U
m-p Xylenes	100	U	U	U	U	U
o-Xylene	100	U	υ	U	U	U
Isopropylbenzene	100	U	υ	U	U	U
n-Propylbenzene	100	U	U	U	U	U
p-Isopropyttoluene	100	U	υ	U	U	U
1,3,5-Trimethylbenzene	100	U	U	U	U	U
1,2,4-Trimethylbenzene	100	U	U	U	U	U
t-butylbenzene	100	U	บ	U	U	U
Methyl-t-butylether	100	U	1.7	U	υ	U
sec-Butylbenzene	100	U	U	U	U	U
n-Butylbenzene	100	U	υ	U	U	U
Napthalene (8021)	200	IJ	U	U	U	U

Poly-Aromatic Hydrocarbons (PAHs), EPA Method 8270, (ppb)

Acenapthene	400	U	U	U	U	U
Fluorene	1000	U	U	U	U	U
Phenanthrene	1000	77 J	39 J	55 J	82 J	U
Anthracene	1000	U	U	U	U	U
Fluoranthene	1000	76 J	95 J	76 J	140 J	U
Pyrene	1000	56 J	77 J	65 J	120 J	U
Benzo(a)anthracene	.04*	U	46 J	U	57 J	U
Chrysene	.04*	U	5 0 J	U	ങ്വ	U
Benzo(b)fluoranthene	.04*	U	51 J	U	64 J	U
Benzo(k)fluoranthene	.04*	U	3 8 J	U	41 J	U
Benzo(a)pyrene	.04*	U	48 J	U	53 J	U
Indeno(1,2,3-cd)pyrene	.04*	U	U	U	U	U
Dibenz(a,h)anthracene	1000	U	U	U	U	U
Benzo(g,h,i)perylene	.04*	U	U	U	U	U

^{*} Detection limit for these compounds is 330 ppb in the best of cases.

For the purpose of this summary, in the VOA section, U means less than 1 ppb, and; in the PAH section, U means less than 360 ppb.



Scale: 1" = 20'

DEFENSE ENVIRONMENTAL RESTORATION FUND

Removal of Storage Tanks, etc. USACE Project #94-C-0037

GATEWAY NATIONAL RECREATION AREA FLOYD BENNETT FIELD Brooklyn, NY

UST CLOSURE
TANK AND SAMPLE LOCATIONS
UST #TP5

CLEANING UP THE ENVIRONMENT (C.U.T.E.) 103 GODWIN AVENUE SUITE 237 MIDLAND PARK, NEW JERSEY 07432 (201)427-2881

UST CLOSURE REPORT - TP06

PAGE 1 OF 3

Contract Number: DACA51-94-C-0037 Title: Removal Of Storage Tanks,

Transformers & Miscellaneous, Various Locations, New York

Tank Number: TP06 Tank Size (Gallons): 275

3' X 5' Product(s) Contained: #2 Fuel Oil Tank Dimensions: Volume In Tank (Gallons): Residual Date Removed: 13 APR 1995

Site Location: Floyd Bennett Field, Brooklyn, New York

SITE HISTORY:

1. **Tank/pipe design - Single-layer steel; No monitoring devices present.**

- 2. Age of equipment - 30+ years.
- 3. History of Spills - None.
- 4. Past analytical Results - None.
- 5. Well records - None.
- 6. **Drinking water wells in vicinity - None.**
- 7. Potentially affected areas - None.

FIELD OBSERVATIONS:

- 1. Tank and/or pipe Excavation - No visually contaminated soil observed in excavation.
- 2. Depth of stained, discolored and/or contaminated soil - N/A.
- 3. Sheen - None.
- 4. Noticeable leaks in pipe joints - None.

PAGE 2 OF 3

Trailer Park Grounds, Floyd Bennett Field, New York, UST #6 (TP06)

- 5. Localized areas of corrosion None.
- 6. Holes or pits in tanks and/or pipes None.
- 7. Noticeable odors before, during, and/or after tank excavations None.
- 8. Groundwater encountered? Depth to groundwater? Volume removed from excavation? None encountered.
- **9.** Free product on groundwater? Thickness? None.

FIELD MEASUREMENTS AND ANALYSIS:

- 1. Which field instruments were used? HNU-PID.
- 2. Tank removed.

 What were the readings from any areas of visual contamination? N/A.

What were the results from headspace analysis taken from the sidewall, bottom of the excavation, and below the bottom of the excavation? 0 PPM

- **3. Piping removed -** All piping removed. Only copper lines used for feed & return were discovered.
- 5. Soil samples; locations; results:*
 - * See soil sample location map included with Field Log, immediately after page (3) of this report.
- 6. Groundwater samples NA.

LAB MEASUREMENTS AND ANALYSIS:

All laboratory results are listed on sample location map(s). Copies of complete analyses have been submitted under separate cover.

1. Sample collector - Chris D. Elliott.

· · ·

PAGE 3 OF 3

Trailer Park Grounds, Floyd Bennett Field, New York, UST #6 (TP06)

- 2. Laboratory methods used for determination of soil contamination EPA Method 8021 for Volatile Organic(s)(VOAs); EPA Method 8270 for Poly-Aromatic Hydrocarbon(s)(PAHs).
- 3. Total amount of contaminated soil removed for disposal None.
- 4. Method of disposal N/A.

Disposal facility - N/A.

- 5. Fill source No off-site fill material was used.
- Results of analysis of on-site material used for backfill Clean, sample results included with analytical reports from samples taken beneath USTs.
- 7. Further action required? No.
- 8. Area restored? Yes, backfilled with clean sand, compacted and graded.

CONTRACTOR'S CERTIFICATION: I hereby certify that to the best of my knowledge and belief that all information presented here is correct and accurate.

Name: Christopher D. Elliott

Signature: (hustiphen). Sunt

Representing: Cleaning Up The Environment (C.U.T.E.), Midland Park, New

Jersev

Date Report Prepared: 03 JUL 1995

C.U.T.E. FIELD SAMPLE LOG

UST	TP06
~	11 00

1. CONTRACT #: 94-C-003	2. SITE NAME/LOCATION: Floyd Bennett Field, Brooklyn, NY
3. SAMPLER/AFFILIATION:	CHRIS D. ELLIOTT/TRI-GEM BUILDERS
4. PERSONNEL ON-SITE:	CLEANING UP THE ENVIRONMENT

					·	
SAMPLE NUMBER	TP06-001	TP06-002	TP06-003	TP06-004	TP06-005	
SAMPLE DATE	4/13/95	4/13/95	4/13/95	4/13/95	4/13/95	_
TIME OF COLLECTION	1445	1446	1447	1448	1449	
SAMPLE TYPE (G OR C)*	G	G	G	G	G	
SAMPLE DEPTH	5'	4'	4'	4'	4'	
PRESERVATIVES USED	NA NA	NA	NA	NA	NA	
DATA COLLECTED (HNU)	0 ppm	0 ppm	0 ppm	0 ppm	0 ppm	
HNU METER CAL.(?)	YES	YES	YES	YES	YES	
ANALYSIS REQUIRED	8021 8270			I .	8021 8270	
SAMPLE DESCRIPTION	Sand, little	silt				
COLOR	tan	tan	tan	tan	tan	· · · · · · · · · · · · · · · · ·
SOIL TEXTURE	Dry and gr	anular	L	L		
MOTTLES	none	none	none	none	none	
WEATHER	Cloudy, 55	DF				
GROUNDWATER PRESENT	No ground	water prese	nt	<u>, , , , , , , , , , , , , , , , , , , </u>	· · · · · · · · · · · · · · · · · · ·	·
DDORS	none	none	none	none	none	
HEREBY CERTIFY THAT TO S TRUE AND ACCURATE AND						S :
CHRIS D. ELLIOTT		1 hu	2). YU	alt	. ,	6/23/9
NAME		SIGNATUR	RE C			DATE

SAMPLE RESULT(S) SUMMARY

Trailer Park Grounds, Floyd Bennett Field, New York, UST #06 (TP06)

Field Sample No.:

TP06-001 TP06-002 TP06-003 TP06-004 TP06-005 4/13/95 4/13/95 4/13/95 4/13/95

Date: Depth (Ft.):

4.0' 4:0'

4.0'

Volatile Organic Compounds (VOAs), EPA Method 8021, (ppb)

Guidan	ice
Value.	(dag)

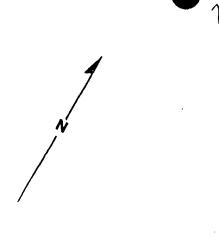
Benzene	14	U	U	U	U	U
Toluene	100	.53	Ū	Ŭ	Ŭ	Ū
Ethylbenzene	100	U	U	U	U	U
m-p Xylenes	100	U	U	U	U	U
o-Xylene	100	U	U	U	U	U
Isopropylbenzene	100	U	U	U	U	U
n-Propylbenzene	100	U	U	U	U	U
p-Isopropyttoluene	100	U	U	U	U	U
1,3,5-Trimethylbenzene	100	U	U	U	U	U
1,2,4-Trimethylbenzene	100	U	U	U	U	U
t-butylbenzene	100	U	U	U	U	U
Methyl-t-butylether	100	U	U	U	U	U
sec-Butylbenzene	100	U	U	U	U	U
n-Butylbenzene	100	U	U	U	U	U
Napthalene (8021)	200	U	U	U	U	U

Poly-Aromatic Hydrocarbons (PAHs), EPA Method 8270, (ppb)

Acenapthene	400	U	U	U	U	U
Fluorene	1000	U	U	U	U	U
Phenanthrene	1000	U	U	U	U	170 J
Anthracene	1000	U	U	U	U	U
Fluoranthene	1000	U	U	U	U	200 J
Pyrene	1000	U	Ų	U	U	130 J
Benzo(a)anthracene	.04*	U	U	U	U	69 J
Chrysene	.04*	41 J	U	U	U	73 J
Benzo(b)fluoranthene	.04*	U	U	U	U	56 J
Benzo(k)fluoranthene	.04*	U	U	U	U	49 J
Benzo(a)pyrene	.04*	U	U	U	U	51 J
Indeno(1,2,3-cd)pyrene	.04*	U	U	U	U	U
Dibenz(a,h)anthracene	1000	U	U	U	U	U
Benzo(g,h,i)perylene	.04*	U	Ü	U	U	U

^{*} Detection limit for these compounds is 330 ppb in the best of cases.

For the purpose of this summary, in the VOA section, U means less than 1 ppb, and; in the PAH section, U means less than 360 ppb.



Parking Area



Samp #	Field ID#	Depth (ft)
1	TP06-001	5.5
2	TP06-002	4
3	TP06-003	4
4	TP06-004	4
5	TP06-005	4

DEFENSE ENVIRONMENTAL RESTORATION FUND

Removal of Storage Tanks, etc.
USACE Project #94-C-0037

GATEWAY NATIONAL RECREATION AREA FLOYD BENNETT FIELD Brooklyn, NY

UST CLOSURE
TANK AND SAMPLE LOCATIONS
UST #TP6

Scale: 1" = 20'

028

CLEANING UP THE ENVIRONMENT (C.U.T.E.) 103 GODWIN AVENUE SUITE 237 MIDLAND PARK, NEW JERSEY 07432 (201)427-2881

UST CLOSURE REPORT - TP07

PAGE 1 OF 3

Contract Number: DACA51-94-C-0037 Title: Removal Of Storage Tanks,

Transformers & Miscellaneous, Various Locations, New York

Tank Number:

TP07

Tank Size (Gallons): 275

Tank Dimensions:

3' X 5'

Product(s) Contained: #2 Fuel Oil

Volume In Tank (Gallons): Residual

Date Removed: 12 APR 1995

Site Location: Floyd Bennett Field, Brooklyn, New York

SITE HISTORY:

- 1. Tank/pipe design - Single-layer steel; No monitoring devices present.
- 2. Age of equipment - 30+ years.
- 3. History of Spills - None.
- 4. Past analytical Results - None.
- 5. Well records - None
- 6. **Drinking water wells in vicinity - None.**
- Potentially affected areas None. 7.

FIELD OBSERVATIONS:

- 1. Tank and/or pipe Excavation - No visually contaminated soil observed in excavation.
- 2. Depth of stained, discolored and/or contaminated soil - N/A.
- 3. Sheen - None.
- 4. Noticeable leaks in pipe joints - None.

PAGE 2 OF 3

Trailer Park Grounds, Floyd Bennett Field, New York, UST #7 (TP07)

- 5. Localized areas of corrosion None.
- 6. Holes or pits in tanks and/or pipes None.
- Noticeable odors before, during, and/or after tank excavations -None.
- 8. Groundwater encountered? Depth to groundwater? Volume removed from excavation? None encountered.
- 9. Free product on groundwater? Thickness? None.

FIELD MEASUREMENTS AND ANALYSIS:

- 1. Which field instruments were used? HNU-PID.
- 2. Tank removed.

What were the readings from any areas of visual contamination? N/A.

What were the results from headspace analysis taken from the sidewall, bottom of the excavation, and below the bottom of the excavation? 0 PPM.

- **3. Piping removed -** All piping removed. Only copper lines used for feed & return were discovered.
- 5. Soil samples; locations; results:*
 - See soil sample location map included with Field Log, immediately after page (3) of this report.
- 6. Groundwater samples NA.

LAB MEASUREMENTS AND ANALYSIS:

All laboratory results are listed on sample location map(s). Copies of complete analyses have been submitted under separate cover.

1. Sample collector - Chris D. Elliott.

PAGE 3 OF 3

Trailer Park Grounds, Floyd Bennett Field, New York, UST #7 (TP07)

- 2. Laboratory methods used for determination of soil contamination EPA Method 8021 for Volatile Organic(s)(VOAs); EPA Method 8270 for Poly-Aromatic Hydrocarbon(s)(PAHs).
- 3. Total amount of contaminated soil removed for disposal None.
- 4. Method of disposal N/A.

Disposal facility - N/A.

- 5. Fill source No off-site fill material was used.
- 6. Results of analysis of on-site material used for backfill Clean, sample results included with analytical reports from samples taken beneath USTs.
- 7. Further action required? No.
- 8. Area restored? Yes, backfilled with clean sand, compacted and graded.

CONTRACTOR'S CERTIFICATION: I hereby certify that to the best of my knowledge and belief that all information presented here is correct and accurate.

Name: Christopher D. Elliott

Signature:

(hustophen D. Junet

Representing: Cleaning Up The Environment (C.U.T.E.), Midland Park, New

Jersey

Date Report Prepared: 03 JUL 1995

C.U.T.E. FIELD SAMPLE LOG

UST TP07

1.	CONTRACT #: 94-C-003	2. SITE NAME/LOCATION: Floyd Bennett Field, Brooklyn, NY
3.	SAMPLER/AFFILIATION:	CHRIS D. ELLIOTT/TRI-GEM BUILDERS
4.	PERSONNEL ON-SITE:	CLEANING UP THE ENVIRONMENT

					· · · · · · · · · · · · · · · · · · ·	
SAMPLE NUMBER	TP07-001	TP07-002	TP07-003	TP07-004	TP07-005	
SAMPLE DATE	4/12/95	4/12/95	4/12/95	4/12/95	4/12/95	
TIME OF COLLECTION	1149	1150	1151	1152	1153	
SAMPLE TYPE (G OR C)*	G	G	G	G	G	
SAMPLE DEPTH	5'6"	4'6"	4'6"	4'6"	4'6"	
PRESERVATIVES USED	NA	NA	NA	NA	NA	
DATA COLLECTED (HNU)	0 ppm	0 ppm	0 ppm	0 ppm	0 ppm	
HNU METER CAL.(?)	YES	YES	YES	YES	YES	
ANALYSIS REQUIRED	8021 8270				8021 8270	
SAMPLE DESCRIPTION	Sand, little	silt	<u>L</u>	<u> </u>	l	
COLOR	tan	tan	tan	tan	tan	
SOIL TEXTURE	Dry and gr	anular	<u> </u>	<u> </u>		
MOTTLES	none	none	none	none	none	
WEATHER	Cloudy, 45	DF	<u> </u>	<u> </u>	I	
GROUNDWATER PRESENT	No ground	water prese	nt		· · · · · · · · · · · · · · · · · · ·	
ODORS	none	none	none	none	none	
I HEREBY CERTIFY THAT TO IS TRUE AND ACCURATE AND CHRIS D. ELLIOTT				CT SPECI		
NAME		SIGNATUR		·	-	DATE

SAMPLE RESULT(S) SUMMARY

Trailer Park Grounds, Floyd Bennett Field, New York, UST #07 (TP07)

Field Sample No.:

TP07-001 TP07-002 TP07-003 TP07-004 TP07-005

Date:

4/12/95 4/12/95 4/12/95 4/12/95

Depth (Ft.):

5.5' 4.5' 4.5' 4.5' 4.5'

Volatile Organic Compounds (VOAs), EPA Method 8021, (ppb)

Guidance Value, (ppb)

Benzene	14	U	U	U	U	U
Toluene	100	U	U	U	U	U
Ethylbenzene	100	U	U	Ų	U	U
m-p Xylenes	100	U	U	U	U	U
o-Xylene	100	U	U	U	U	U
Isopropyibenzene	100	U	U	U	U	U
n-Propylbenzene	100	U	U	U	U	U
p-Isopropyttoluene	100	U	U	U	U	U
1,3,5-Trimethylbenzene	100	U	U	U	U	U
1,2,4-Trimethylbenzene	100	U	U	U	U	U
t-butylbenzene	100	U	U	U	U	U
Methyl-t-butylether	100	U	U	U	U	U
sec-Butylbenzene	100	U	U	U	U	U
n-Butylbenzene	100	U	U	U	U	U
Napthalene (8021)	200	บ	U	U	Ų	U

Poly-Aromatic Hydrocarbons (PAHs), EPA Method 8270, (ppb)

Acenapthene	400	U	U	U	U	U
Fluorene	1000	U	U	U	U -	U
Phenanthrene	1000	47 J	U	U	59 J	130 J
Anthracene	1000	U	U	U	U	U
Fluoranthene	1000	88 J	U	U	130 J	200 J
Pyrene	1000	80 J	U	U	120 J	170 J
Benzo(a)anthracene	.04*	42 J	U	U	62 J	77 J
Chrysene	.04*	40 J	U	U	64 J	87 J
Benzo(b)fluoranthene	.04*	U	U	U	70 J	85 J
Benzo(k)fluoranthene	.04*	U	U	U	42 J	56 J
Benzo(a)pyrene	.04*	U	U	U	54 J	71 J
Indeno(1,2,3-cd)pyrene	.04*	U	U	U	U	44 J
Dibenz(a,h)anthracene	1000	U	U	U	U	U
Benzo(g,h,i)perylene	.04 *	U	U	υ	38 J	48 J

^{*} Detection limit for these compounds is 330 ppb in the best of cases.

For the purpose of this summary, in the VOA section, U means less than 1 ppb, and; in the PAH section, U means less than 360 ppb.





Samp #	Field ID #	Depth (ft)
1	TP07-001	5.5
2	TP07-002	4.5
3	TP07-003	4.5
4	TP07-004	4.5
5	TP07-005	4.5

Parking Area

Scale: 1" = 20'



DEFENSE ENVIRONMENTAL RESTORATION FUND

Removal of Storage Tanks, etc.
USACE Project #94-C-0037

GATEWAY NATIONAL RECREATION AREA FLOYD BENNETT FIELD Brooklyn, NY

UST CLOSURE
TANK AND SAMPLE LOCATIONS
UST #TP7

CLEANING UP THE ENVIRONMENT (C.U.T.E.) 103 GODWIN AVENUE SUITE 237 MIDLAND PARK, NEW JERSEY 07432 (201)427-2881

UST CLOSURE REPORT - TP09

PAGE 1 OF 3

Contract Number: DACA51-93-C-0037 Title: Removal Of Storage Tanks,

Transformers & Miscellaneous, Various Locations, New York

Tank Number: **TP09**

Tank Dimensions: 3' X 5' Tank Size (Gallons): Product(s) Contained: #2 Fuel Oil

275

Volume In Tank (Gallons): 250

Date Removed: 12 APR 1995

Site Location: Floyd Bennett Field, Brooklyn, New York

SITE HISTORY:

- 1. **Tank/pipe design -** Single-layer steel; No monitoring devices present.
- 2. Age of equipment - 30+ years.
- 3. History of Spills - None.
- 4. Past analytical Results - None.
- 5. Well records - None.
- 6. **Drinking water wells in vicinity - None.**
- 7. Potentially affected areas - None.

FIELD OBSERVATIONS:

- 1. Tank and/or pipe Excavation - No visually contaminated soil observed in excavation.
- 2. Depth of stained, discolored and/or contaminated soil - N/A.
- 3. Sheen - None.
- 4. Noticeable leaks in pipe joints - None.

PAGE 2 OF 3

Trailer Park Grounds, Floyd Bennett Field, New York, UST #9 (TP09)

- 5. Localized areas of corrosion None.
- 6. Holes or pits in tanks and/or pipes None.
- 7. Noticeable odors before, during, and/or after tank excavations None.
- 8. Groundwater encountered? Depth to groundwater? Volume removed from excavation? None encountered.
- **9.** Free product on groundwater? Thickness? None.

FIELD MEASUREMENTS AND ANALYSIS:

- 1. Which field instruments were used? HNU-PID.
- 2. Tank removed.

What were the readings from any areas of visual contamination? N/A.

What were the results from headspace analysis taken from the sidewall, bottom of the excavation, and below the bottom of the excavation? 0 PPM.

- **3. Piping removed -** All piping removed. Only copper lines used for feed & return were discovered.
- 5. Soil samples; locations; results:*
 - * See soil sample location map included with Field Log, immediately after page (3) of this report.
- 6. Groundwater samples NA.

LAB MEASUREMENTS AND ANALYSIS:

All laboratory results are listed on sample location map(s). Copies of complete analyses have been submitted under separate cover.

1. Sample collector - Chris D. Elliott.

PAGE 3 OF 3

(hustophen) Junet

Trailer Park Grounds, Floyd Bennett Field, New York, UST #9 (TP09)

- 2. Laboratory methods used for determination of soil contamination EPA Method 8021 for Volatile Organic(s)(VOAs); EPA Method 8270 for Poly-Aromatic Hydrocarbon(s)(PAHs).
- 3. Total amount of contaminated soil removed for disposal None.
- 4. Method of disposal N/A.

Disposal facility - N/A.

- 5. Fill source No off-site fill material was used.
- 6. Results of analysis of on-site material used for backfill Clean, sample results included with analytical reports from samples taken beneath USTs.
- 7. Further action required? No.
- **8. Area restored?** Yes, backfilled with clean sand, compacted and graded.

CONTRACTOR'S CERTIFICATION: I hereby certify that to the best of my knowledge and belief that all information presented here is correct and accurate.

Name: Christopher D. Elliott

Signature

Representing: Cleaning Up The Environment (C.U.T.E.), Midland Park, New

Jersey

Date Report Prepared: 03 JUL 1995

UST TP09

NAME

C.U.T.E. FIELD SAMPLE LOG

PERSONNEL ON-SITE:	CLEANING	UP THE E	NVIRONM	ENT	·	
· · · · · · · · · · · · · · · · · · ·			, 	 		
AMPLE NUMBER	TP09-001	TP09-002	TP09-003	TP09-004	TP09-005	
AMPLE DATE	4/13/95	4/13/95	4/13/95	4/13/95	4/13/95	
ME OF COLLECTION	1510	1511	1512	1513	1514	
AMPLE TYPE (G OR C)*	G	G	G	G	G	
AMPLE DEPTH	5'	3'6"	4'	4'	3'6"	
RESERVATIVES USED	NA	NA	NA	NA	NA	
ATA COLLECTED (HNU)	0 ppm					
NU METER CAL.(?)	YES	YES	YES	YES	YES	
NALYSIS REQUIRED	8021 8270	8021 8270	8021 8270		1	
AMPLE DESCRIPTION	Sand, little	silt				
OLOR	tan	tan	tan	tan	tan	
OIL TEXTURE	Dry and gra	l anular			<u> </u>	
OTTLES	none	none	none	none	none	
VEATHER	Cloudy, 45	DF	<u>-</u>		<u></u>	
ROUNDWATER PRESENT	No ground	water prese	nt	······	·-····································	
DORS	none	none	none	none	none	

DATE

SAMPLE RESULT(S) SUMMARY

Trailer Park Grounds, Floyd Bennett Field, New York, UST #09 (TP09)

Field Sample No.:

TP09-001 TP09-002 TP09-003 TP09-004 TP09-005

Date:

4/13/95 4/13/95 4/13/95 4/13/95 3.5

Depth (Ft.): Volatile Organic Compounds (VOAs), EPA Method 8021, (ppb)

Guida	nce
Value.	(ppb)

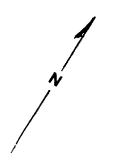
	, (,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
Benzene	14	υ	U	U	U	U
Toluene	100	U	U	IJ	U	2.0
Ethylbenzene	100	Ų	U	U	U	1.3
m-p Xylenes	100	U	U	U	U	U
o-Xylene	100	U	U	U	U	2.0
Isopropylbenzene	100	U	U	U	U	U
n-Propylbenzene	100	U	U	U	U	U
p-Isopropyltoluene	100	U	U	U	U	U
1,3,5-Trimethylbenzene	100	U	U	U	U	U
1,2,4-Trimethylbenzene	100	U	U	U	U	U
t-butylbenzene	100	U	U	Ų	U	U
Methyl-t-butylether	100	U	U	U	U	U
sec-Butylbenzene	100	U	U	U	.91	U
n-Butylbenzene	100	U	U	U	U	U
Napthalene (8021)	200	U	U	U	U	U

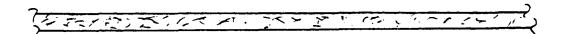
Poly-Aromatic Hydrocarbons (PAHs), EPA Method 8270, (ppb)

Acenapthene	400	IJ	U	U	U	U
Fluorene	1000	U	U	U	U	U
Phenanthrene	1000	54 J	U	U	53 J	130 J
Anthracene /	1000	U	U	U	U	U
Fluoranthene	1000	100 J	88 J	86 J	110 J	200 J
Pyrene	1000	78 J	65 J	75 J	91 J	170 J
Benzo(a)anthracene	.04*	45 J	54 J	43 J	υ	77 J
Chrysene	.04*	56 J	61 J	44 J	6 5 J	87 J
Benzo(b)fluoranthene	.04*	57 J	54 J	45 J	64 J	8 5 J
Benzo(k)fluoranthene	.04*	43 J	72 J	U	41 J	56 J
Benzo(a)pyrene	.04*	4 6 J	55 J	39 J	47 J	71 J
Indeno(1,2,3-cd)pyrene	.04*	U	40 J	U	U	44 J
Dibenz(a,h)anthracene	1000	U	U	U	U	U
Benzo(g,h,i)perylene	04*	39 J	42 J	U	U	4 8 J

^{*} Detection limit for these compounds is 330 ppb in the best of cases.

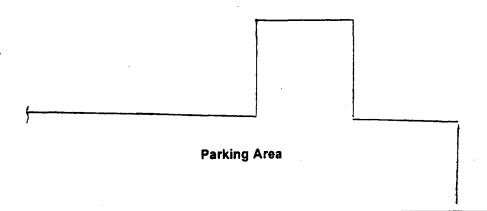
For the purpose of this summary, in the VOA section, U means less than 1 ppb, and; in the PAH section, U means less than 360 ppb.







Samp #	Field ID#	Depth (ft)
1	TP09-001	5
2	TP09-002	3.5
3	TP09-003	4
4	TP09-004	4
5	TP09-005	3.5



Im 6 040

Scale: 1" = 20'

DEFENSE ENVIRONMENTAL RESTORATION FUND

Removal of Storage Tanks, etc. USACE Project #94-C-0037

GATEWAY NATIONAL RECREATION AREA FLOYD BENNETT FIELD Brooklyn, NY

UST CLOSURE
TANK AND SAMPLE LOCATIONS
UST #TP9

CLEANING UP THE ENVIRONMENT (C.U.T.E.) 103 GODWIN AVENUE SUITE 237 MIDLAND PARK, NEW JERSEY 07432 (201)427-2881

UST CLOSURE REPORT - TP11

PAGE 1 OF 3

Contract Number:

DACA51-94-C-0037

Title: Removal Of Storage Tanks,

Transformers & Miscellaneous, Various Locations, New York

Tank Number:

TP11

Tank Size (Gallons):

Tank Dimensions:

3' X 5'

Volume In Tank (Gallons): Residual

Product(s) Contained: #2 Fuel Oil Date Removed: 07 APR 1995

Site Location: Floyd Bennett Field, Brooklyn, New York

SITE HISTORY:

- 1. Tank/pipe design - Single-layer steel; No monitoring devices present.
- 2. Age of equipment - 30+ years.
- 3. History of Spills - None.
- 4. Past analytical Results - None.
- 5. Well records - None
- 6. **Drinking water wells in vicinity - None.**
- 7. Potentially affected areas - None.

FIELD OBSERVATIONS:

- 1. Tank and/or pipe Excavation - No visually contaminated soil observed in excavation.
- 2. Depth of stained, discolored and/or contaminated soil - N/A.
- 3. Sheen - None.
- Noticeable leaks in pipe joints None. 4.

PAGE 2 OF 3

Trailer Park Grounds, Floyd Bennett Field, New York, UST #11 (TP11)

- 5. Localized areas of corrosion None.
- 6. Holes or pits in tanks and/or pipes None.
- 7. Noticeable odors before, during, and/or after tank excavations None.
- 8. Groundwater encountered? Depth to groundwater? Volume removed from excavation? None encountered.
- 9. Free product on groundwater? Thickness? None.

FIELD MEASUREMENTS AND ANALYSIS:

- 1. Which field instruments were used? HNU-PID.
- 2. Tank removed.

 What were the readings from any areas of visual contamination? N/A.

What were the results from headspace analysis taken from the sidewall, bottom of the excavation, and below the bottom of the excavation? 0 PPM.

- Piping removed All piping removed. Only copper lines used for feed & return were discovered.
- 5. Soil samples; locations; results:*
 - * See soil sample location map included with Field Log, immediately after page (3) of this report.
- 6. Groundwater samples NA.

LAB MEASUREMENTS AND ANALYSIS:

All laboratory results are listed on sample location map(s). Copies of complete analyses have been submitted under separate cover.

1. Sample collector - Chris D. Elliott.

PAGE 3 OF 3

Trailer Park Grounds, Floyd Bennett Field, New York, UST #11 (TP11)

- 2. Laboratory methods used for determination of soil contamination EPA Method 8021 for Volatile Organic(s)(VOAs); EPA Method 8270 for Poly-Aromatic Hydrocarbon(s)(PAHs).
- 3. Total amount of contaminated soil removed for disposal None.
- 4. Method of disposal N/A.

Disposal facility - N/A.

- 5. Fill source No off-site fill material was used.
- **6.** Results of analysis of on-site material used for backfill Clean, sample results included with analytical reports from samples taken beneath USTs.
- 7. Further action required? No.
- 8. Area restored? Yes, backfilled with clean sand, compacted and graded.

CONTRACTOR'S CERTIFICATION: I hereby certify that to the best of my knowledge and belief that all information presented here is correct and accurate.

Name: Christopher D. Elliott

Signature:

Representing: Cleaning Up The Environment (C.U.T.E.), Midland Park, New

Jersey

Date Report Prepared: 03 JUL 1995

C.U.T.E. FIELD SAMPLE LOG

UST TP11

2. SITE NAME/LOCATION: Floyd Bennett Field, Brooklyn, NY
CHRIS D. ELLIOTT/TRI-GEM BUILDERS
CLEANING UP THE ENVIRONMENT
_

SAMPLE NUMBER	TP11-001	TP11-002	TP11-003	TP11-004	TP11-005		
SAMPLE DATE	4/7/95	4/7/95	4/7/95	4/7/95	4/7/95		
IME OF COLLECTION	1140	1141	1142	1143	1144		
SAMPLE TYPE (G OR C)*	G	G	G	G	G		
SAMPLE DEPTH	4'	2'6"	2'6"	2'6"	2'6"		
PRESERVATIVES USED	NA	NA	NA	NA	NA		
DATA COLLECTED (HNU)	0 ppm	0 ppm	0 ppm	0 ppm	0 ppm		
HNU METER CAL.(?)	YES	YES	YES	YES	YES	, <u></u>	
ANALYSIS REQUIRED	8021 8270	8021 8270	8021 8270	8021 8270			
SAMPLE DESCRIPTION	Sand, little	silt		<u> </u>			
COLOR	tan-	tan	tan	tan	tan		
SOIL TEXTURE	Dry and gr	anular					
MOTTLES	none	none	none	none	none		
WEATHER	Sunny, 50 D F						
GROUNDWATER PRESENT	No ground	water prese	nt				
ODORS	none	none	none	попе	none		
HEREBY CERTIFY THAT TO							
CHRIS D. ELLIOTT		1 hust		hort		6/23/	
NAME		SIGNATUR	RE /			DATE	

SAMPLE RESULT(S) SUMMARY

Trailer Park Grounds, Floyd Bennett Field, New York, UST #11 (TP11)

Fleid Sample No.:

TP11-001 TP11-002 TP11-003 TP11-004 TP11-005

Date:

2.5'

4/07/95 4/07/95 4/07/95 4/07/95 -

Depth (Ft.):

2.5

2.5'

2.5'

Volatile Organic Compounds (VOAs), EPA Method 8021, (ppb)

Guidance Value, (ppb)

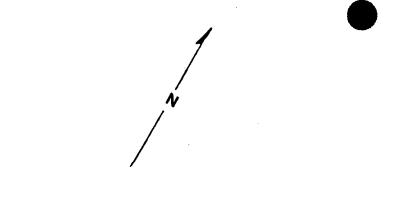
Benzene	14	U	U	U	U	U
Toluene	100	U	U	U	U	U
Ethylbenzene	100	U	U	U	U	U
m-p Xylenes	100	U	U	U	Ų	U
o-Xylene	100	U	U	U	U	U
Isopropylbenzene	100	U	U	U	U	U
n-Propylbenzene	100	U	U	U	U	U
p-Isopropyltoluene	100	U	U	U	U	U
1,3,5-Trimethylbenzene	100	U	U	U	U	U
1,2,4-Trimethylbenzene	100	U	U	U	U	U
t-butylbenzene	100	U	U	U	Ų.	U
Methyl-t-butylether	100	U	U	U	U	U
sec-Butylbenzene	100	U	U	U	U	U
n-Butylbenzene	100	U	U	U	U	U
Napthalene (8021)	200	U	U	U	U	U

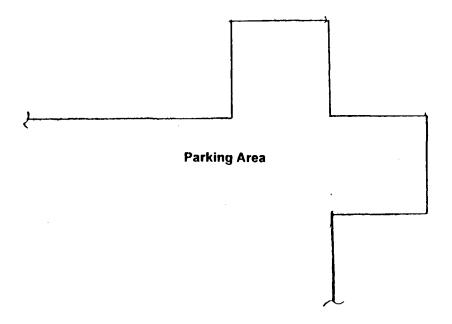
Poly-Aromatic Hydrocarbons (PAHs), EPA Method 8270, (ppb)

400	U	U	U	U	U
1000	U	U	U	U	U
1000	υ	38 J	U	U	U
1000	U	U	U	U	U
1000	U	79 J	U	U	U
1000	U	78 J	U	U	U
.04*	U	45 J	U	U	U
.04*	U	4 2 J	U	53 J	U
.04*	U	48 J	U	U	U
.04*	U	36 J	U	U	U
.04*	U	4 2 J	U	U	U
.04*	U	U	U	U	U
1000	U	U	U	U .	U
.04*	U	U	U	U	Ū
	1000 1000 1000 1000 1000 04* .04* .04* .04* .04* .04*	1000 U 1000 U 1000 U 1000 U 1000 U 1000 U .04* U .04* U .04* U .04* U .04* U	1000 U U U 1000 U U 38 J 1000 U U U 1000 U T9 J 1000 U 78 J 1000 U 78 J 1000 U 45 J 104* U 42 J 104* U 48 J 104* U 42 J 1000 U U U U	1000 U U U U 1000 U 38 J U 1000 U U U U U 1000 U U U U U 1000 U 79 J U 1000 U 78 J U 1000 U 78 J U 1000 U 45 J U 1004 U 42 J U 1004 U 48 J U 1004 U 36 J U 1004 U 42 J U 1004 U 42 J U 1004 U 1000 U U U U U U U U U U U U U U U U	1000 U U U U U U 1000 U U U U U U U U U

^{*} Detection limit for these compounds is 330 ppb in the best of cases.

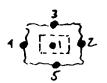
For the purpose of this summary, in the VOA section, U means less than 1 ppb, and; in the PAH section, U means less than 360 ppb.





Scal	e: 1" = 20	•	
0	10'	20	40`

Samp #	Field ID #	Depth (ft)
1	TP011-001	4
2	TP011-002	2.5
3	TP011-003	2.5
4	TP011-004	2.5
5	TP011-005	2.5



DEFENSE ENVIRONMENTAL RESTORATION FUND

Removal of Storage Tanks, etc. USACE Project #94-C-0037

GATEWAY NATIONAL RECREATION AREA
FLOYD BENNETT FIELD
Brooklyn, NY

UST CLOSURE
TANK AND SAMPLE LOCATIONS
UST #TP11

CLEANING UP THE ENVIRONMENT (C.U.T.E.) 103 GODWIN AVENUE SUITE 237 MIDLAND PARK, NEW JERSEY 07432 (201)427-2881

UST CLOSURE REPORT - TP12

PAGE 1 OF 3

Contract Number: DACA51-94-C-0037 Title: Removal Of Storage Tanks,

Transformers & Miscellaneous, Various Locations, New York

Tank Number: **TP12** Tank Size (Gallons):

275

Tank Dimensions:

3' X 5'

Product(s) Contained: #2 Fuel Oil

Volume In Tank (Gallons): Residual

Date Removed: 07 APR 1995

Site Location: Floyd Bennett Field, Brooklyn, New York

SITE HISTORY:

- 1. **Tank/pipe design -** Single-layer steel; No monitoring devices present.
- 2. Age of equipment - 30+ years.
- 3. History of Spills - None.
- 4. Past analytical Results - None.
- 5. Well records - None.
- 6. **Drinking water wells in vicinity - None.**
- 7. Potentially affected areas - None.

FIELD OBSERVATIONS:

- 1. Tank and/or pipe Excavation - No visually contaminated soil observed in excavation.
- 2. Depth of stained, discolored and/or contaminated soil - N/A.
- 3. Sheen - None
- 4. Noticeable leaks in pipe joints - None.

PAGE 2 OF 3

Trailer Park Grounds, Floyd Bennett Field, New York, UST #12 (TP12)

- 5. Localized areas of corrosion None.
- 6. Holes or pits in tanks and/or pipes None.
- Noticeable odors before, during, and/or after tank excavations -None.
- 8. Groundwater encountered? Depth to groundwater? Volume removed from excavation? None encountered
- 9. Free product on groundwater? Thickness? None.

FIELD MEASUREMENTS AND ANALYSIS:

- 1. Which field instruments were used? HNU-PID.
- 2. Tank removed.

 What were the readings from any areas of visual contamination? N/A.

What were the results from headspace analysis taken from the sidewall, bottom of the excavation, and below the bottom of the excavation? 0 PPM

- Piping removed All piping removed. Only copper lines used for feed & return were discovered.
- 5. Soil samples; locations; results:*
 - * See soil sample location map included with Field Log, immediately after page (3) of this report.
- 6. Groundwater samples NA.

LAB MEASUREMENTS AND ANALYSIS:

All laboratory results are listed on sample location map(s). Copies of complete analyses have been submitted under separate cover.

1. Sample collector - Chris D. Elliott.

PAGE 3 OF 3

(hustophu D. Jaux

Trailer Park Grounds, Floyd Bennett Field, New York, UST #12 (TP12)

- 2. Laboratory methods used for determination of soil contamination EPA Method 8021 for Volatile Organic(s)(VOAs); EPA Method 8270 for Poly-Aromatic Hydrocarbon(s)(PAHs).
- 3. Total amount of contaminated soil removed for disposal None.
- 4. Method of disposal N/A.

Disposal facility - N/A.

- 5. Fill source No off-site fill material was used.
- **Results of analysis of on-site material used for backfill -** Clean, sample results included with analytical reports from samples taken beneath USTs.
- 7. Further action required? No.
- 8. Area restored? Yes, backfilled with clean sand, compacted and graded.

CONTRACTOR'S CERTIFICATION: I hereby certify that to the best of my knowledge and belief that all information presented here is correct and accurate.

Name: Christopher D. Elliott

Signature:

Representing: Cleaning Up The Environment (C.U.T.E.), Midland Park, New

Jersey

Date Report Prepared: 03 JUL 1995

C.U.T.E. FIELD SAMPLE LOG

UST	TP1	2
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CHRIS D. ELLIOTT

NAME

						
1 00 TD 07 # 04 0 0007	IA OUTE NO	A45# 004		1 D 44 E		ADZ
					ield, Brookly	n, NY
 SAMPLER/AFFILIATION: CH PERSONNEL ON-SITE: 						
4. PERSONNEL ON-SHE:	CLEANING	OUP THE E	NVIRONIN	ENI		
			•			
	·····			 		
CAMPIE AUMOED	ITD40 004	TD40.000	TD40 000	TD42.004	TD40 005	*
SAMPLE NUMBER	[P12-001]	TP12-002	1712-003	12-004	112-005	
SAMPLE DATE	4/7/95	4/7/95	4/7/95	4/7/95	4/7/95	
SAMIFIE DATE	4///35	4/1/00	4/1/50	7///00	7,,,,,,	
TIME OF COLLECTION	1425	1426	1427	1428	1429	
THE OF COLLEGE	, ,,					
SAMPLE TYPE (G OR C)*	G	G	G	G	G	
	. !			-		
SAMPLE DEPTH	4'6"	3'	3'	3'	3'	
PRESERVATIVES USED	NA	NA	NA	NA	NA	
	<u> </u>			<u> </u>		
DATA COLLECTED (HNU)	0 ppm	0 ppm	0 ppm	0 ppm	0 ppm	
HNU METER CAL.(?)	YES	YES	YES	YES	YES	
		2001			2004	
ANALYSIS REQUIRED	8021		8021	_		
	8270	8270	8270	8270	8270	
					<u> </u>	
SAMPLE DESCRIPTION	Sand, little	<u>l</u>		<u> </u>		
CANTEL DECORAL FICH	Cand, indic	Siit				
COLOR	tan	tan	tan	tan	tan	
· · · · · · · · · · · · · · · · · · ·	,					
SOIL TEXTURE	Dry and gra	anular	· · · · · · · · · · · · · · · · · · ·		·	<u> </u>
MOTTLES	none	none	none	none	none	
WEATHER	Sunny, 60	DF				
	<u> </u>					
GROUNDWATER PRESENT	No grouna	water prese	nt			
ODOBE		-000		7000		
ODORS	none	none	none	none	none	
I HEREBY CERTIFY THAT TO T	UE DEST (DE MAY KNIC	NA# EDGE	ALL DATA	DDECENTE	O HEDE
IS TRUE AND ACCURATE AND		-				

6/23/95

DATE

SAMPLE RESULT(S) SUMMARY

Trailer Park Grounds, Floyd Bennett Field, New York, UST #12 (TP12)

Field Sample No.:

TP12-001 TP12-002 TP12-003 TP12-004 TP12-005

Date:

4/07/95 4/07/95 4/07/95 4/07/95 4/07/95

Depth (Ft.):

4.5' 3.0' 3.0' 3.0' 3.0'

Volatile Organic Compounds (VOAs), EPA Method 8021, (ppb)

Guidai	nce
Value,	(ppb)

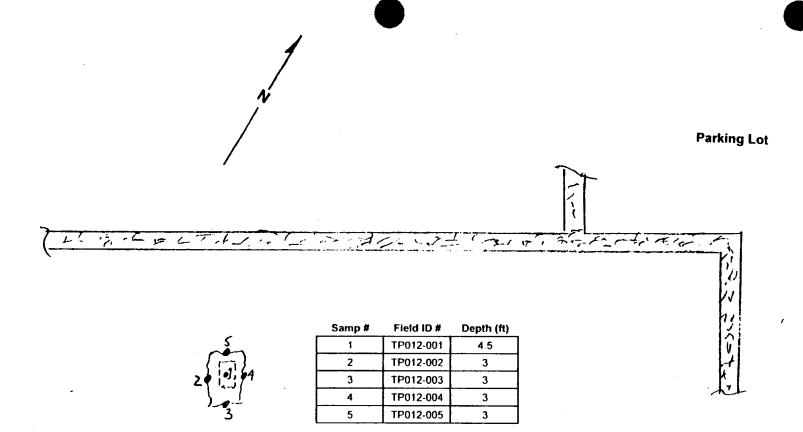
D	4.4					
Benzene	14	U	U	U	U	U
Toluene	100	Ų	U	U	U	U
Ethylbenzene	100	U	U	U	U	U
m-p Xylenes	100	U	U	U	U	U
o-Xylene	100	U	U	U	U	U
isopropylbenzene	100	IJ	Ų	U	U	U
n-Propylbenzene	100	U	U	U	U	υ
p-Isopropyttoluene	100	U	U	U	U	U
1,3,5-Trimethylbenzene	100	U	U	U	บ	U
1,2,4-Trimethylbenzene	100	U	U	U	U	U
t-butylbenzene	100	U	U	U	U	U
Methyl-t-butylether	100	U	U	U	U	U
sec-Butylbenzene	100	U	U	U	U	U
n-Butylbenzene	100	U	U	U	U	U
Napthalene (8021)	200	U	U	U	U	U

Poly-Aromatic Hydrocarbons (PAHs), EPA Method 8270, (ppb)

Acenapthene	40 0	U	U	U	U	U
Fluorene	1000	U	U	U	U	U
Phenanthrene	1000	U	73 J	U	U	U
Anthracene	1000	U	U	U	U	U
Fluoranthene	1000	U	130 J	64 J	U	U
Pyrene	1000	Ū	140 J	6 6 J	U	U
Benzo(a)anthracene	.04*	U	70 J	38 J	U	U
Chrysene	.04*	U	67 J	88 J	U	U
Benzo(b)fluoranthene	.04*	U	61 J	U	U	U
Benzo(k)fluoranthene	.04*	U	67 J	U	U	U
Benzo(a)pyrene	.04*	U	64 J	U	U	U
Indeno(1,2,3-cd)pyrene	.04*	U	39 J	U	U	U
Dibenz(a,h)anthracene	1000	U	U	U	U	U
Benzo(g.h.i)perylene	.04*	U	44 J	U	U	U

^{*} Detection limit for these compounds is 330 ppb in the best of cases.

For the purpose of this summary, in the VOA section, U means less than 1 ppb, and; in the PAH section, U means less than 360 ppb.





DEFENSE ENVIRONMENTAL RESTORATION FUND

Removal of Storage Tanks, etc. USACE Project #94-C-0037

GATEWAY NATIONAL RECREATION AREA FLOYD BENNETT FIELD Brooklyn, NY

UST CLOSURE
TANK AND SAMPLE LOCATIONS
UST #TP12

CLEANING UP THE ENVIRONMENT (C.U.T.E.) 103 GODWIN AVENUE SUITE 237 MIDLAND PARK, NEW JERSEY 07432 (201)427-2881

UST CLOSURE REPORT - TP13

PAGE 1 OF 3

Contract Number: DACA51-94-C-0037

Title: Removal Of Storage Tanks.

Transformers & Miscellaneous, Various Locations, New York

Tank Number: **TP13** Tank Size (Gallons):

275

Tank Dimensions:

3' X 5'

Product(s) Contained: #2 Fuel Oil

Volume In Tank (Gallons): Residual

Date Removed: 11 APR 1995

Site Location: Floyd Bennett Field, Brooklyn, New York

SITE HISTORY:

- 1. Tank/pipe design - Single-layer steel; No monitoring devices present.
- 2. Age of equipment - 30+ years.
- 3. History of Spills - None.
- Past analytical Results None. 4.
- Well records None. 5.
- 6. **Drinking water wells in vicinity - None.**
- 7. Potentially affected areas - None.

FIELD OBSERVATIONS:

- 1. Tank and/or pipe Excavation - No visually contaminated soil observed in excavation.
- 2. Depth of stained, discolored and/or contaminated soil - N/A.
- 3. Sheen - None.
- 4. Noticeable leaks in pipe joints - None.

PAGE 2 OF 3

Trailer Park Grounds, Floyd Bennett Field, New York, UST #13 (TP13)

- Localized areas of corrosion None.
- 6. Holes or pits in tanks and/or pipes None.
- 7. Noticeable odors before, during, and/or after tank excavations None.
- 8. Groundwater encountered? Depth to groundwater? Volume removed from excavation? None encountered.
- 9. Free product on groundwater? Thickness? None.

FIELD MEASUREMENTS AND ANALYSIS:

- 1. Which field instruments were used? HNU-PID.
- 2. Tank removed.

What were the readings from any areas of visual contamination? N/A

What were the results from headspace analysis taken from the sidewall, bottom of the excavation, and below the bottom of the excavation? 0 PPM

- **3. Piping removed -** All piping removed. Only copper lines used for feed & return were discovered.
- 5. Soil samples; locations; results:*
 - * See soil sample location map included with Field Log, immediately after page (3) of this report.
- 6. Groundwater samples NA.

LAB MEASUREMENTS AND ANALYSIS:

All laboratory results are listed on sample location map(s). Copies of complete analyses have been submitted under separate cover.

1. Sample collector - Chris D. Elliott.

PAGE 3 OF 3

Trailer Park Grounds, Floyd Bennett Field, New York, UST #13 (TP13)

- 2. Laboratory methods used for determination of soil contamination EPA Method 8021 for Volatile Organic(s)(VOAs); EPA Method 8270 for Poly-Aromatic Hydrocarbon(s)(PAHs).
- 3. Total amount of contaminated soil removed for disposal None.
- 4. Method of disposal N/A.

Disposal facility - N/A.

- 5. Fill source No off-site fill material was used.
- **6.** Results of analysis of on-site material used for backfill Clean, sample results included with analytical reports from samples taken beneath USTs.
- 7. Further action required? No.
- **8.** Area restored? Yes, backfilled with clean sand, compacted and graded.

CONTRACTOR'S CERTIFICATION: I hereby certify that to the best of my knowledge and belief that all information presented here is correct and accurate.

Name: Christopher D. Elliott

Signature

Representing: Cleaning Up The Environment (C.U.T.E.), Midland Park, New

Jersey

Date Report Prepared: 03 JUL 1995

C.U.T.E. FIELD SAMPLE LOG

UST TP13

1. CONTRACT #: 94-C-0037	2. SITE NAME/LOCATION: Floyd Bennett Field, Brooklyn, NY	
3. SAMPLER/AFFILIATION:	CHRIS D. ELLIOTT/TRI-GEM BUILDERS	
4. PERSONNEL ON-SITE:	CLEANING UP THE ENVIRONMENT	٦

SAMPLE NUMBER	TP13-001	TP13-002	TP13-003	TP13-004	TP13-005			
SAMPLE DATE	4/12/95	4/12/95	4/12/95	4/12/95	4/12/95			
IME OF COLLECTION	1259	1300	1301	1302	1303			
SAMPLE TYPE (G OR C)*	G	G	G	G	G .			
SAMPLE DEPTH	5'	4'	4'	4'	4'	 		
PRESERVATIVES USED	NA	NA	NA	NA	NA			
DATA COLLECTED (HNU)	0 ppm	0 ppm	0 ppm	0 ppm	0 ppm			
NU METER CAL.(?)	YES	YES	YES	YES	YES			
ANALYSIS REQUIRED	8021 8270			_	8021 8270			
SAMPLE DESCRIPTION	Sand, little	silt	<u> </u>		<u> </u>			
COLOR	tan	tan	tan	tan	tan			
SOIL TEXTURE	Dry and gr	anular	<u>.</u>			· · · · · · · · · · · · · · · · · · ·		
MOTTLES	none	none	none	none	none			
WEATHER	Cloudy, 50	DF						
GROUNDWATER PRESENT	No ground	No groundwater present						
DDORS	none	none	none	none	none			
HEREBY CERTIFY THAT TO S TRUE AND ACCURATE AND CHRIS D. ELLIOTT		IANCE WIT	H CONTRA	ACT SPECI	FICATIONS	6/23/9		
IAME		SIGNATUR	RE (DATE		

SAMPLE RESULT(S) SUMMARY

Trailer Park Grounds, Floyd Bennett Field, New York, UST #13 (TP13)

Field Sample No.:

TP13-001 TP13-002 TP13-003 TP13-004 TP13-005

Date: Depth (Ft.):

4.0'

4.0'

4/12/95 4/12/95 4/12/95 4/12/95 4.0'

4.0'

Volatile Organic Compounds (VOAs), EPA Method 8021, (ppb)

Gulda	nce
Value,	(ppb)

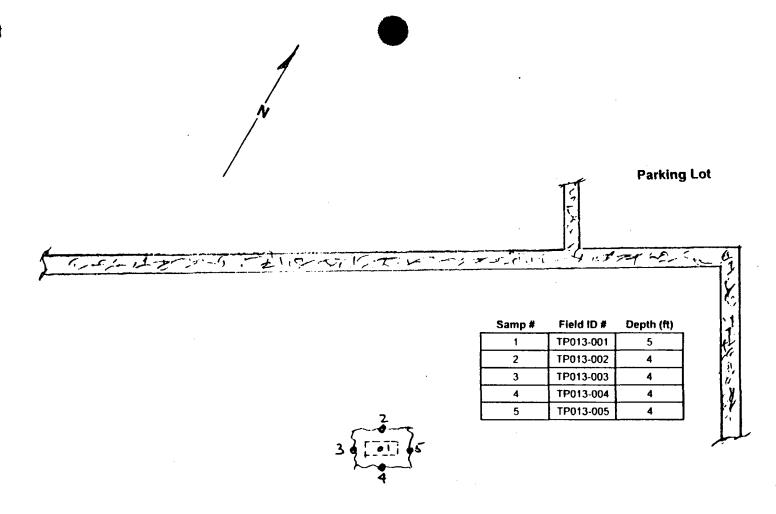
Benzene	14	U	U	U	U	U
Toluene	100	U	U	U	U	U
Ethylbenzene	100	U	U	Ų	U	U
m-p Xylenes	100	U	U	U	U	U
o-Xylene	100	U	U	U	U	U
Isopropylbenzene	100	U	U	U	U	u
n-Propylbenzene	100	U	U	U	U	U
p-Isopropyttoluene	100	U	U	U	U	U
1,3,5-Trimethylbenzene	100	U	U	U	U	U
1,2,4-Trimethylbenzene	100	U	U	U	U	U
t-butylbenzene	100	U	U	U	U	U
Methyl-t-butylether	100	U	U	U	U	U
sec-Butylbenzene	100	U	U	U	U	U
n-Butylbenzene	100	U	U	U	U	U
Napthalene (8021)	200	U	U	U	U	U

Poly-Aromatic Hydrocarbons (PAHs), EPA Method 8270, (ppb)

Acenapthene	400	U	U	U	U	U
Fluorene	1000	U	U	U	U	U
Phenanthrene	1000	U	U	Ü	52 J	U
Anthracene	1000	U	Ü	U	· U	U
Fluoranthene	1000	55 J	U	U	93 J	49 J
Pyrene	1000	54 J	U	U	82 J	45 J
Benzo(a)anthracene	.04*	U	U	U	45 J	U
Chrysene	.04*	U	U	U	45 J	U
Benzo(b)fluoranthene	.04*	U	U	·U	46 J	Ü
Benzo(k)fluoranthene	.04*	U	U	U	51 J	U
Benzo(a)pyrene	.04*	U	U	U	U	U
Indeno(1,2,3-cd)pyrene	.04*	U	U	U	U	U
Dibenz(a,h)anthracene	1000	U	U	U	U	U
Benzo(g,h,i)perylene	.04*	U	U	U	U	U

^{*} Detection limit for these compounds is 330 ppb in the best of cases.

For the purpose of this summary, in the VOA section, U means less than 1 ppb, and; in the PAH section, U means less than 360 ppb.



Scale: 1" = 20'

DEFENSE ENVIRONMENTAL RESTORATION FUND

Removal of Storage Tanks, etc.
USACE Project #94-C-0037

GATEWAY NATIONAL RECREATION AREA FLOYD BENNETT FIELD Brooklyn, NY

UST CLOSURE
TANK AND SAMPLE LOCATIONS
UST #TP13

CLEANING UP THE ENVIRONMENT (C.U.T.E.) 103 GODWIN AVENUE SUITE 237 MIDLAND PARK, NEW JERSEY 07432 (201)427-2881

UST CLOSURE REPORT - TP15

PAGE 1 OF 3

دو

Contract Number: DACA51-94-C-0037 Title: Removal Of Storage Tanks,

Transformers & Miscellaneous, Various Locations, New York

Tank Number: **TP15** Tank Size (Gallons):

275

Tank Dimensions:

3' X 5'

Product(s) Contained: #2 Fuel Oil

Date Removed: 07 APR 1995

Volume In Tank (Gallons): Residual

Site Location: Floyd Bennett Field, Brooklyn, New York

SITE HISTORY:

1. Tank/pipe design - Single-layer steel: No monitoring devices present.

- 2. Age of equipment - 30+ years.
- 3. History of Spills - None.
- Past analytical Results None. 4.
- 5. Well records - None.
- 6. **Drinking water wells in vicinity - None.**
- 7. Potentially affected areas - None.

FIELD OBSERVATIONS:

- Tank and/or pipe Excavation No visually contaminated soil 1. observed in excavation.
- 2. Depth of stained, discolored and/or contaminated soil - N/A.
- 3. Sheen - None.
- 4. Noticeable leaks in pipe joints - None.

PAGE 2 OF 3

Trailer Park Grounds, Floyd Bennett Field, New York, UST #15 (TP15)

- 5. Localized areas of corrosion None.
- 6. Holes or pits in tanks and/or pipes None.
- 7. Noticeable odors before, during, and/or after tank excavations None.
- 8. Groundwater encountered? Depth to groundwater? Volume removed from excavation? None encountered.
- 9. Free product on groundwater? Thickness? None.

FIELD MEASUREMENTS AND ANALYSIS:

- 1. Which field instruments were used? HNU-PID.
- 2. Tank removed.

 What were the readings from any areas of visual contamination? N/A.

What were the results from headspace analysis taken from the sidewall, bottom of the excavation, and below the bottom of the excavation? 0 PPM.

- **3. Piping removed -** All piping removed. Only copper lines used for feed & return were discovered.
- 5. Soil samples: locations: results:*
 - * See soil sample location map included with Field Log, immediately after page (3) of this report.
- 6. Groundwater samples NA.

LAB MEASUREMENTS AND ANALYSIS:

All laboratory results are listed on sample location map(s). Copies of complete analyses have been submitted under separate cover.

1. Sample collector - Chris D. Elliott.

PAGE 3 OF 3

Trailer Park Grounds, Floyd Bennett Field, New York, UST #15 (TP15)

- 2. Laboratory methods used for determination of soil contamination EPA Method 8021 for Volatile Organic(s)(VOAs); EPA Method 8270 for Poly-Aromatic Hydrocarbon(s)(PAHs).
- 3. Total amount of contaminated soil removed for disposal None.
- 4. Method of disposal N/A.

Disposal facility - N/A.

- 5. Fill source No off-site fill material was used.
- 6. Results of analysis of on-site material used for backfill Clean, sample results included with analytical reports from samples taken beneath USTs.
- 7. Further action required? No.
- **8. Area restored?** Yes, backfilled with clean sand, compacted and graded.

CONTRACTOR'S CERTIFICATION: I hereby certify that to the best of my knowledge and belief that all information presented here is correct and accurate.

Name: Christopher D. Elliott

Signature:

Churtiphen D. Scenet

Representing: Cleaning Up The Environment (C.U.T.E.), Midland Park, New

Jersey

Date Report Prepared: 03 JUL 1995

C.U.T.E. FIELD SAMPLE LOG

L	JS	T	T	Р	1	ŧ

	 						
1. CONTRACT #: 94-C-0037	2 SITE NA	ME/LOCA	TION: Flove	Rennett Fi	ield Brooki	vn NY	
3. SAMPLER/AFFILIATION: C					icia, Diooki	y 11, 14 1	
4. PERSONNEL ON-SITE:		UP THE E					
						•	
		·	•		***	•	
				· · ·			
SAMPLE NUMBER	TP15-001	TP15-002	TP15-003	TP15-004	TP15-005		
SAMPLE DATE	4/7/95	4/7/95	4/7/95	4/7/95	4/7/95		
TIME OF COLLECTION	1050	1051	1052	1053	1054		
SAMPLE TYPE (G OR C)*	G	G	G	G	G		
SAMPLE DEPTH	4'6"	3'	3'	3'	3'		
PRESERVATIVES USED	NA	NA	NA	NA	NA		
DATA COLLECTED (HNU)	0 ppm	0 ppm	0 ppm	0 ppm	0 ppm		
HNU METER CAL.(?)	YES	YES	YES	YES	YES		
ANALYSIS REQUIRED	8021	8021	1	•			
	8270	8270	8270	8270	8270		
SAMPLE DESCRIPTION	Sand, little	Sand, little silt					
COLOR	tan	tan	tan	tan	tan	ł	
SOIL TEXTURE	Dry and gr	anular					
MOTTLES	none	none	none	none	none		
WEATHER	Sunny, 50	DF	<u> </u>		 	l	
GROUNDWATER PRESENT	No ground	No groundwater present					
ODORS	none	none	none	none	none		
I HEREBY CERTIFY THAT TO	THE BEST O	OF MY KNO	WLEDGE .	ALL DATA	PRESENTE	D HERE	
IS TRUE AND ACCURATE AN	D IN COMPL	IANGE WIT	H CONTRA	ACT SPECI	FICATIONS	S :	
CHRIS D. ELLIOTT		(Kun)) Healf	!	_	6/23/95	
NAME		SIGNATUI	₹		_	DATE	

SAMPLE RESULT(S) SUMMARY

Trailer Park Grounds, Floyd Bennett Field, New York, UST #15 (TP15)

Field Sample No.:

TP15-001 TP15-002 TP15-003 TP15-004 TP15-005 4/07/95 4/07/95 4/07/95 4/07/95

Date:

3.0'

3.0'

Depth (Ft.):

4.5

3.0'

3.0'

Volatile Organic Compounds (VOAs), EPA Method 8021, (ppb)

Guidai	ıce
Value,	(ppb)

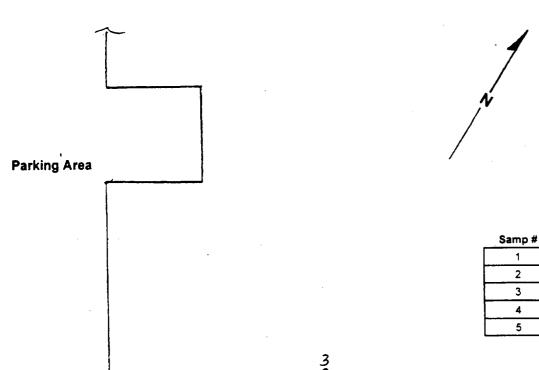
Benzene	14	U	υ	υ	υ	U
Toluene	100	U	U	U	U	U
Ethylbenzene	100	U	U	U	U	U
m-p Xylenes	100	U	U	U	U	U
o-Xylene	100	Ų	U	U	U	U
Isopropylbenzene	100	U	U	U	U	U
n-Propylbenzene	100	U	U	U	U	U
p-Isopropyttoluene	100	U	U	U	U	U
1,3,5-Trimethylbenzene	100	U	U	U	U	U
1,2,4-Trimethylbenzene	100	U	U	U	U	IJ
t-butylbenzene	100	U	υ	U	U	U
Methyl-t-butylether	100	IJ	U	U	U	U
sec-Butylbenzene	100	U	U	U	U	U
n-Butyibenzene	100	U .	U	U ·	U	U
Napthalene (8021)	200	U	U	U	U	U

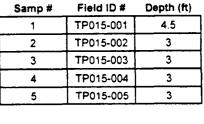
Poly-Aromatic Hydrocarbons (PAHs), EPA Method 8270, (ppb)

Acenapthene	400	U	U	U	U	U
Fluorene	1000	U	U	U	U	U
Phenanthrene	1000	U	U	55 J	U	99 J
Anthracene	1000	U	U	U	U	U
Fluoranthene	1000	U	U	70 J	U	150 J
Рутепе	1000	U	U	55 J	U	120 J
Benzo(a)anthracene	.04*	U	U	U	U	61 J
Chrysene	.04*	U	U	U	U	56 J
Benzo(b)fluoranthene	.04*	U	U	U	U	47 J
Benzo(k)fluoranthene	.04*	U	U	U	U	38 J
Benzo(a)pyrene	.04*	U	U	IJ	U	39 J
Indeno(1,2,3-cd)pyrene	.04*	U	U	U	U	U
Dibenz(a,h)anthracene	1000	U	U	U	U	U
Benzo(g,h,i)perylene	.04*	U	U	U	U	U

^{*} Detection limit for these compounds is 330 ppb in the best of cases.

For the purpose of this summary, in the VOA section, U means less than 1 ppb, and; in the PAH section, U means less than 360 ppb.





Scale: 1" = 20'

064

DEFENSE ENVIRONMENTAL RESTORATION FUND

Removal of Storage Tanks, etc. USACE Project #94-C-0037

GATEWAY NATIONAL RECREATION AREA FLOYD BENNETT FIELD Brooklyn, NY

UST CLOSURE
TANK AND SAMPLE LOCATIONS
UST #TP15

CLEANING UP THE ENVIRONMENT (C.U.T.E.) 103 GODWIN AVENUE SUITE 237 MIDLAND PARK, NEW JERSEY 07432 (201)427-2881

UST CLOSURE REPORT - TP16

PAGE 1 OF 3

Contract Number: DACA51-94-C-0037 Title: Removal Of Storage Tanks.

Transformers & Miscellaneous, Various Locations, New York

TP16 CE Tank Number:

Tank Size (Gallons):

Tank Dimensions: 3' X 5'

Product(s) Contained: #2 Fuel Oil Volume In Tank (Gallons): 125

Date Removed: 22 JUN 1995

Site Location:

Floyd Bennett Field, Brooklyn, New York

SITE HISTORY:

- 1. **Tank/pipe design - Single-layer steel; No monitoring devices present.**
- 2. Age of equipment - 30+ years.
- 3. History of Spills - None.
- 4. Past analytical Results - None.
- 5. Well records - None.
- 6. **Drinking water wells in vicinity - None.**
- 7. Potentially affected areas - None.

FIELD OBSERVATIONS:

- 1. Tank and/or pipe Excavation - No visually contaminated soil observed in excavation.
- 2. Depth of stained, discolored and/or contaminated soil - N/A.
- Sheen None 3.
- 4. Noticeable leaks in pipe joints - None.

PAGE 2 OF 3

Trailer Park Grounds, Floyd Bennett Field, New York, UST #16 (TP16)

- 5. Localized areas of corrosion None.
- 6. Holes or pits in tanks and/or pipes None.
- 7. Noticeable odors before, during, and/or after tank excavations None.
- 8. Groundwater encountered? Depth to groundwater? Volume removed from excavation? None encountered.
- **9.** Free product on groundwater? Thickness? None.

FIELD MEASUREMENTS AND ANALYSIS:

- 1. Which field instruments were used? HNU-PID.
- 2. Tank removed.

What were the readings from any areas of visual contamination? N/A.

What were the results from headspace analysis taken from the sidewall, bottom of the excavation, and below the bottom of the excavation? 0 PPM.

- 3. **Piping removed -** All piping removed. Only copper lines used for feed & return were discovered.
- 5. Soil samples; locations; results:*
 - * See soil sample location map included with Field Log, immediately after page (3) of this report.
- 6. Groundwater samples NA.

LAB MEASUREMENTS AND ANALYSIS:

All laboratory results are listed on sample location map(s). Copies of complete analyses have been submitted under separate cover.

1. Sample collector - Chris D. Elliott.

PAGE 3 OF 3

Trailer Park Grounds, Floyd Bennett Field, New York, UST #16 (TP16)

- 2. Laboratory methods used for determination of soil contamination EPA Method 8021 for Volatile Organic(s)(VOAs); EPA Method 8270 for Poly-Aromatic Hydrocarbon(s)(PAHs).
- 3. Total amount of contaminated soil removed for disposal None.
- 4. Method of disposal N/A.

Disposal facility - N/A.

- 5. Fill source No off-site fill material was used.
- **6.** Results of analysis of on-site material used for backfill Clean, sample results included with analytical reports from samples taken beneath USTs.
- 7. Further action required? No.
- 8. Area restored? Yes, backfilled with clean sand, compacted and graded.

CONTRACTOR'S CERTIFICATION: I hereby certify that to the best of my knowledge and belief that all information presented here is correct and accurate.

Name: Christopher D. Elliott

Signature:

Representing: Cleaning Up The Environment (C.U.T.E.), Midland Park, New

Jersey

Date Report Prepared: 30 JUL 1995

C.U.T.E. FIELD SAMPLE LOG

UST TP16

CONTRACT #: 94-C-00	2. SITE NAME/LOCATION: Floyd Bennett Field, Brooklyn, NY
SAMPLER/AFFILIATION	I: CHRIS D. ELLIOTT/TRI-GEM BUILDERS
PERSONNEL ON-SITE:	CLEANING UP THE ENVIRONMENT

			······································	······································	CE	,	
SAMPLE NUMBER	TP16-01	TP16-02	TP16-03	TP16-04	TP16-05		
SAMPLE DATE	6/27/95	6/27/95	6/27/95	6/27/95	6/27/95		
TIME OF COLLECTION	1110	1111	1112	1113	1114		
SAMPLE TYPE (G OR C)*	G	G	G	G	G		
SAMPLE DEPTH	4'6"	3'	3'	3'	3'		
PRESERVATIVES USED	NA	NA	NA	NA	NA		
DATA COLLECTED (HNU)	0 ppm	0 ppm	0 ppm	0 ppm	0 ppm		
HNU METER CAL.(?)	YES	YES	YES	YES	YES		
ANALYSIS REQUIRED	8021 8270	8021 8270	8021 8270		1		
SAMPLE DESCRIPTION	Sand, little silt						
COLOR	tan	tan	tan	tan	tan		
SOIL TEXTURE	Dry and granular						
MOTTLES	none	none	none	none	none		
WEATHER	Sunny, 75 D F						
GROUNDWATER PRESENT	No groundwater present						
ODORS	none	none	none	none	none		
I HEREBY CERTIFY THAT TO THE BEST OF MY KNOWLEDGE ALL DATA PRESENTED HERE IS TRUE AND ACCURATE AND IN COMPLIANCE WITH CONTRACT SPECIFICATIONS: CHRIS D. ELLIOTT LUCAL CHRIS D. ELLIOTT							
NAME		SIGNATUR				DATE	

SAMPLE RESULT(S) SUMMARY

Trailer Park Grounds, Floyd Bennett Field, New York, UST #16 (TP16)

Field Sample No.:

TP16-001 TP16-002 TP16-003 TP16-004 TP16-005

Date:

6/27/95 6/27/95 6/27/95 6/27/95

Depth (Ft.):

4.5' 3.0' 3.0' 3.0' 3.0'

Volatile Organic Compounds (VOAs), EPA Method 8021, (ppb)

Guidance Value, (ppb)

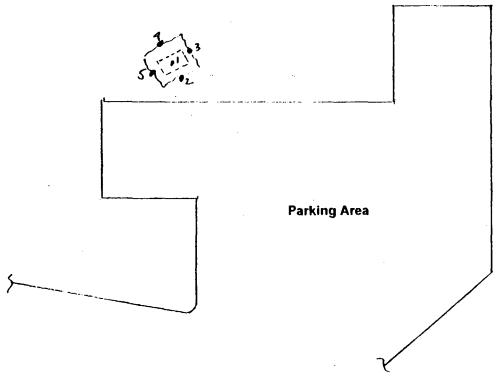
Benzene	14	U	U	U	U	U
Toluene	100	U	Ú	U	U	U
Ethylbenzene	100	U	U	U	IJ	U
m-p Xylenes	100	U	U	U	U	υ
o-Xylene	100	U	U	U	U	U
Isopropylbenzene	100	U	U	U	U	U
n-Propylbenzene	100	U	U	U	U	U
p-Isopropyttoluene	100	U	U	U	U	U
1,3,5-Trimethylbenzene	100	U	U -	υ	U	U
1,2,4-Trimethylbenzene	100	U	U	U	U	U
t-butylbenzene	100	U	U	U	U	U
Methyl-t-butylether	100	U	U	U	U	U
sec-Butylbenzene	100	U	U	U	U	U
n-Butylbenzene	100	U	U	U	U	U
Napthalene (8021)	200	U	U	U	U	U

Poly-Aromatic Hydrocarbons (PAHs), EPA Method 8270, (ppb)

Acenapthene	400	U	U	U	U	U
Fluorene	1000	U	U	U	U	U
Phenanthrene	1000	U	U	U	U	U
Anthracene	1000	U	U	U	U	U
Fluoranthene	1000	U	U	U	U.	U
Pyrene	1000	U	U	U	U	U
Benzo(a)anthracene	.04*	U	U	U	U	U
Chrysene	.04*	U	U	U	U	U
Benzo(b)fluoranthene	.04*	U	U	U	U	U
Benzo(k)fluoranthene	.04*	U	U	U	U	U
Benzo(a)pyrene	.04*	U	U	U	U	U
Indeno(1,2,3-cd)pyrene	.04*	U	U	U	U	U
Dibenz(a,h)anthracene	1000	U	Ú	U	U	U
Benzo(g,h,i)perylene	.04*	U	U	U	U	U

^{*} Detection limit for these compounds is 330 ppb in the best of cases.

For the purpose of this summary, in the VOA section, U means less than 1 ppb, and; in the PAH section, U means less than 360 ppb.





DEFENSE ENVIRONMENTAL RESTORATION FUND

Removal of Storage Tanks, etc.
USACE Project #94-C-0037

GATEWAY NATIONAL RECREATION AREA
FLOYD BENNETT FIELD
Brooklyn, NY

UST CLOSURE
TANK AND SAMPLE LOCATIONS
UST #TP16

CLEANING UP THE ENVIRONMENT (C.U.T.E.) 103 GODWIN AVENUE SUITE 237 MIDLAND PARK, NEW JERSEY 07432 (201)427-2881

UST CLOSURE REPORT - TP17

PAGE 1 OF 3

Contract Number: DACA51-94-C-0037

Title: Removal Of Storage Tanks,

Transformers & Miscellaneous, Various Locations, New York

Tank Number: **TP17** Tank Size (Gallons):

Tank Dimensions: 3' X 5' Product(s) Contained: #2 Fuel Oil

Volume In Tank (Gallons): 125

Date Removed: 22 JUN 1995

Site Location:

Floyd Bennett Field, Brooklyn, New York

SITE HISTORY:

- 1. Tank/pipe design - Single-layer steel; No monitoring devices present.
- 2. Age of equipment - 30+ years.
- 3. **History of Spills - None.**
- 4. Past analytical Results - None.
- 5. Well records - None.
- 6. **Drinking water wells in vicinity - None.**
- 7. Potentially affected areas - None.

FIELD OBSERVATIONS:

- Tank and/or pipe Excavation No visually contaminated soil 1. observed in excavation.
- 2. Depth of stained, discolored and/or contaminated soil - N/A.
- 3. Sheen - None.
- 4. Noticeable leaks in pipe joints - None.

PAGE 2 OF 3

Trailer Park Grounds, Floyd Bennett Field, New York, UST #17 (TP17)

- 5. Localized areas of corrosion None.
- 6. Holes or pits in tanks and/or pipes None.
- 7. Noticeable odors before, during, and/or after tank excavations None.
- 8. Groundwater encountered? Depth to groundwater? Volume removed from excavation? None encountered.
- 9. Free product on groundwater? Thickness? None.

FIELD MEASUREMENTS AND ANALYSIS:

- 1. Which field instruments were used? HNU-PID.
- 2. Tank removed.

 What were the readings from any areas of visual contamination? N/A.

What were the results from headspace analysis taken from the sidewall, bottom of the excavation, and below the bottom of the excavation? 0 PPM.

- **3. Piping removed -** All piping removed. Only copper lines used for feed & return were discovered.
- 5. Soil samples; locations; results:*
 - * See soil sample location map included with Field Log, immediately after page (3) of this report.
- 6. Groundwater samples NA.

LAB MEASUREMENTS AND ANALYSIS:

All laboratory results are listed on sample location map(s). Copies of complete analyses have been submitted under separate cover.

1. Sample collector - Chris D. Elliott.

PAGE 3 OF 3

Trailer Park Grounds, Floyd Bennett Field, New York, UST #17 (TP17)

- 2. Laboratory methods used for determination of soil contamination EPA Method 8021 for Volatile Organic(s)(VOAs); EPA Method 8270 for Poly-Aromatic Hydrocarbon(s)(PAHs).
- 3. Total amount of contaminated soil removed for disposal None.
- 4. Method of disposal N/A.

Disposal facility - N/A.

- 5. Fill source No off-site fill material was used.
- **6.** Results of analysis of on-site material used for backfill Clean, sample results included with analytical reports from samples taken beneath USTs.
- 7. Further action required? No.
- **8.** Area restored? Yes, backfilled with clean sand, compacted and graded.

CONTRACTOR'S CERTIFICATION: I hereby certify that to the best of my knowledge and belief that all information presented here is correct and accurate.

Name: Christopher D. Elliott

Signature:

Representing: Cleaning Up The Environment (C.U.T.E.), Midland Park, New

Jersey

Date Report Prepared: 30 JUL 1995

C.U.T.E. FIELD SAMPLE LOG

UST TP17

1. CONTRACT #: 94-C-003	7 2. SITE NAME/LOCATION: Floyd Bennett Field, Brooklyn, NY
3. SAMPLER/AFFILIATION:	CHRIS D. ELLIOTT/TRI-GEM BUILDERS
4. PERSONNEL ON-SITE:	CLEANING UP THE ENVIRONMENT

SAMPLE NUMBER							
	TP17-01	TP17-02	TP17-03	TP:7-04	TP17-∞		
SAMPLE DATE	6/27/95	6/27/95	6/27/95	6/27/95	6/27/95		
TIME OF COLLECTION	1120	1121	1122	1123	1124		
SAMPLE TYPE (G OR C)*	G	G	G	G	G		
SAMPLE DEPTH	5'	3'	3'	3'	3'		
PRESERVATIVES USED	NA	NA	NA	NA	NA		
DATA COLLECTED (HNU)	0 ppm	0 ppm	0 ppm	0 ppm	0 ppm		
HNU METER CAL.(?)	YES	YES	YES	YES	YES		
ANALYSIS REQUIRED	8021 8270			8021 8270			
SAMPLE DESCRIPTION	Sand, little	silt					
COLOR	tan	tan	tan	tan	tan		
SOIL TEXTURE	Dry and gr	anular			li		
MOTTLES	none	none	none	none	none		
WEATHER	Sunny, 75	DF	<u> </u>	<u></u>	I.		
GROUNDWATER PRESENT	No ground	water prese	nt	<u> </u>			
ODORS	none	none	none	none	none		
I HEREBY CERTIFY THAT TO THE BEST OF MY KNOWLEDGE ALL DATA PRESENTED HERE							
IS TRUE AND ACCURATE AND					FICATIONS	7/30/95	
CHRIS D. ELLIOTT		(Aus)	Ywott			7	
NAME		SIGNATUR	Æ		· •	DATE	

SAMPLE RESULT(S) SUMMARY

Trailer Park Grounds, Floyd Bennett Field, New York, UST #15 (TP15)

Field Sample No.:

TP17-001 TP17-002 TP17-003 TP17-004 TP17-005

Date:

6/27/95 6/27/95 6/27/95 6/27/95

Depth (Ft.):

3.0 3.0

3.0'

3.0

Volatile Organic Compounds (VOAs), EPA Method 8021, (ppb)

Guida	nce
Value,	(ppb)

	, (FF-,					
Benzene	14	U	U	U	U	U
Toluene	100	U	υ	U	U	U
Ethylbenzene	100	U	U	U	U	U
m-p Xylenes	100	U	U	U	Ü	U
o-Xylene	100	U	U	U	U	Ü
Isopropylbenzene	100	U	U	U	U	U
n-Propylbenzene	100	U	U	U	U	U
p-Isopropyttoluene	100	U	U	U	U	U
1,3,5-Trimethylbenzene	100	U	U	U	U	U
1,2,4-Trimethylbenzene	100	U	U	U	U	U
t-butylbenzene	100	U	U	U	U	U
Methyl-t-butylether	100	U	U	U	U	U
sec-Butylbenzene	100	U	U	U	U	U
n-Butylbenzene	100	U	U	U	U	U
Napthalene (8021)	200	U	U	U	U	U

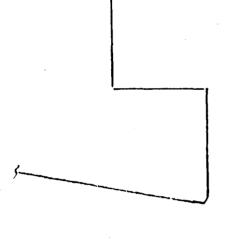
Poly-Aromatic Hydrocarbons (PAHs), EPA Method 8270, (ppb)

Acenapthene	400	U	U	U	U	U
Fluorene	1000	U	U	U	U	U
Phenanthrene	1000	U	U	U	U	U
Anthracene	1000	U	U	U	U	U
Fluoranthene	1000	U	U	U	U	U
Pyrene	1000	U	U	U	U	U
Benzo(a)anthracene	.04*	U	U	U	U	U
Chrysene	.04*	U	U	U	U	U
Benzo(b)fluoranthene	.04*	U	U	U	U	U
Benzo(k)fluoranthene	.04*	U	U	U	U	U
Benzo(a)pyrene	.04*	U	U	U	U	U
Indeno(1,2,3-cd)pyrene	.04*	U	U	U	U	U
Dibenz(a,h)anthracene	1000	U	U	U	U	U
Benzo(g,h,i)pervlene	.04*	U	U	U	U	U

^{*} Detection limit for these compounds is 330 ppb in the best of cases.

For the purpose of this summary, in the VOA section, U means less than 1 ppb, and; in the PAH section, U means less than 360 ppb.





Parking Area



DEFENSE ENVIRONMENTAL RESTORATION FUND

Removal of Storage Tanks, etc. USACE Project #94-C-0037

GATEWAY NATIONAL RECREATION AREA FLOYD BENNETT FIELD Brooklyn, NY

UST CLOSURE
TANK AND SAMPLE LOCATIONS
UST #TP17

CLEANING UP THE ENVIRONMENT (C.U.T.E.) 103 GODWIN AVENUE SUITE 237 MIDLAND PARK, NEW JERSEY 07432 (201)427-2881

UST CLOSURE REPORT - TP18

PAGE 1 OF 3

Contract Number: DACA51-94-C-0007 Title: Removal Of Storage Tanks,

Transformers & Miscellaneous, Various Locations, New York

Tank Number:

TP18

Tank Size (Gallons):

275

Tank Dimensions:

3' X 5'

Product(s) Contained: #2 Fuel Oil

Volume In Tank (Gallons): 110

Date Removed: 10 APR 1995

Site Location: Floyd Bennett Field, Brooklyn, New York

SITE HISTORY:

- Tank/pipe design Single-layer steel; No monitoring devices present. 1.
- 2. Age of equipment - 30+ years.
- 3. History of Spills - None.
- 4. Past analytical Results - None.
- 5. Well records - None.
- 6. **Drinking water wells in vicinity - None.**
- 7. Potentially affected areas - None.

FIELD OBSERVATIONS:

- 1. Tank and/or pipe Excavation - No visually contaminated soil observed in excavation.
- 2. Depth of stained, discolored and/or contaminated soil - N/A.
- Sheen None. 3.
- Noticeable leaks in pipe joints None. 4.

PAGE 2 OF 3

Trailer Park Grounds, Floyd Bennett Field, New York, UST #18 (TP18)

- 5. Localized areas of corrosion None.
- 6. Holes or pits in tanks and/or pipes None.
- 7. Noticeable odors before, during, and/or after tank excavations None.
- 8. Groundwater encountered? Depth to groundwater? Volume removed from excavation? None encountered.
- 9. Free product on groundwater? Thickness? None.

FIELD MEASUREMENTS AND ANALYSIS:

- 1. Which field instruments were used? HNU-PID.
- 2. Tank removed.

 What were the readings from any areas of visual contamination? N/A.

What were the results from headspace analysis taken from the sidewall, bottom of the excavation, and below the bottom of the excavation? 0 PPM.

- **3. Piping removed -** All piping removed. Only copper lines used for feed & return were discovered.
- 5. Soil samples; locations; results:*
 - * See soil sample location map included with Field Log, immediately after page (3) of this report.
- 6. Groundwater samples NA.

LAB MEASUREMENTS AND ANALYSIS:

All laboratory results are listed on sample location map(s). Copies of complete analyses have been submitted under separate cover.

1. Sample collector - Chris D. Elliott.

PAGE 3 OF 3

Trailer Park Grounds, Floyd Bennett Field, New York, UST #18 (TP18)

- 2. Laboratory methods used for determination of soil contamination EPA Method 8021 for Volatile Organic(s)(VOAs); EPA Method 8270 for Poly-Aromatic Hydrocarbon(s)(PAHs).
- 3. Total amount of contaminated soil removed for disposal None.
- 4. Method of disposal N/A.

Disposal facility - N/A.

- 5. Fill source No off-site fill material was used.
- 6. Results of analysis of on-site material used for backfill Clean, sample results included with analytical reports from samples taken beneath USTs.
- 7. Further action required? No.
- 8. Area restored? Yes, backfilled with clean sand, compacted and graded.

CONTRACTOR'S CERTIFICATION: I hereby certify that to the best of my knowledge and belief that all information presented here is correct and accurate.

Name: Christopher D. Elliott

Signature:

Representing: Cleaning Up The Environment (C.U.T.E.), Midland Park, New

Jersey

Date Report Prepared: 30 JUN 1995

C.U.T.E. FIELD SAMPLE LOG

UST TP18

1.	CONTRACT #: 94-C-003	2. SITE NAME/LOCATION: Floyd Bennett Field, Brooklyn, NY
3.	SAMPLER/AFFILIATION:	CHRIS D. ELLIOTT/TRI-GEM BUILDERS
4.	PERSONNEL ON-SITE:	CLEANING UP THE ENVIRONMENT
		
-	· · · · · · · · · · · · · · · · · · ·	·

SAMPLE NUMBER	TP18-001	TP18-002	TP18-003	TP18-004	TP18-005		
SAMPLE DATE	4/10/95	4/10/95	4/10/95	4/10/95	4/10/95		
TIME OF COLLECTION	1315	1316	1317	1318	1319		
SAMPLE TYPE (G OR C)*	G	G	G	G	G		
SAMPLE DEPTH	4'6"	3'6"	3'	2'6"	2'6"		
PRESERVATIVES USED	NA	NA	NA	NA	NA		
DATA COLLECTED (HNU)	0 ppm	0 ppm	0 ppm	0 ppm	0 ppm		
HNU METER CAL.(?)	YES	YES	YES	YES	YES		
ANALYSIS REQUIRED	8021 8270	1			8021 8270	·	
SAMPLE DESCRIPTION	Sand, little	silt	<u> </u>		<u> </u>		
COLOR	tan	tan	tan	tan	tan		
SOIL TEXTURE	Dry and gr	anular	l	<u></u>			
MOTTLES	none	none	none	none	none		
WEATHER	Sunny, 45	DF	L	L	<u> </u>		
GROUNDWATER PRESENT	No groundwater present						
ODORS	none	none	none	none	none		
I HEREBY CERTIFY THAT TO THE STRUE AND ACCURATE AND SURES OF THE STRUE AND SURES OF THE SU		IANCEWIT	H CONTRA	ACT SPECI) :	
CHRIS D. ELLIOTT NAME		SIGNATUR	D. Ylliot	<u> </u>	•	6/23/95 DATE	
INCINIC		SIGNATU	\ <u>`</u>		7	שואט	

SAMPLE RESULT(S) SUMMARY

Trailer Park Grounds, Floyd Bennett Field, New York, UST #18 (TP 18)

Field Sample No.:

TP18-001 TP18-002 TP18-003 TP18-004 TP18-005

Date:

3.0

4/10/95 4/10/95 4/10/95 4/10/95

Depth (Ft.):

3.5'

2.5'

2.5

Volatile Organic Compounds (VOAs), EPA Method 8021, (ppb)

Guida	nce
Value.	(dagh)

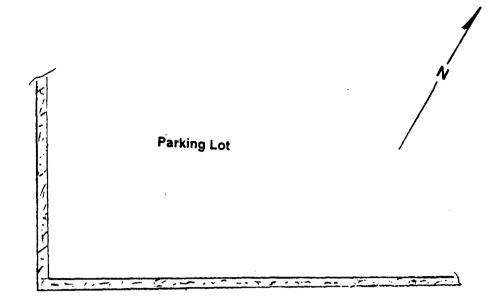
_						
Benzene	14	U	U	U	U	U
Toluene	100	U	U	U	U	U
Ethylbenzene	100	U	U	U	U	U
m-p Xylenes	100	Ų	Ų	U	U	U
o-Xylene	100	U	U	U	U	U
Isopropylbenzene	100	U	U	U	U	U
n-Propylbenzene	100	U	U	U	U	U
p-Isopropyttotuene	100	U	U	U	U	U
1,3,5-Trimethylbenzene	100	U	U	U	U	U
1,2,4-Trimethylbenzene	100	U	U	U	U	U
t-butylbenzene	100	U	U	U	U	U
Methyl-t-butylether	100	U	U	U	U	6.3
sec-Butylbenzene	100	U	U	U	U	U
n-Butylbenzene	100	U	U	U	U	U
Napthalene (8021)	200	U	U	U	U	U

Poly-Aromatic Hydrocarbons (PAHs), EPA Method 8270, (ppb)

Acenapthene	400	U	U	υ	U	U
Fluorene	1000	U	U	U	U	74 J
Phenanthrene	1000	320 J	U	U	U	610
Anthracene	1000	78 J	U	U	U	150 J
Fluoranthene	1000	370	U	50 J	U	650
Pyrene	1000	280 J	U	42 J	U	500
Benzo(a)anthracene	.04*	150 J	U	U	U	260 J
Chrysene	.04*	170 J	U	U	U	290 J
Benzo(b)fluoranthene	.04*	150 J	U	U	U	190 J
Benzo(k)fluoranthene	.04*	91 J	U	U	U	230 J
Benzo(a)pyrene	.04*	120 J	U	U	U	200 J
Indeno(1,2,3-cd)pyrene	.04*	69 J	U	U	U	110 J
Dibenz(a,h)anthracene	1000	43 J	U	U	U	61 J
Benzo(g,h,i)perylene	.04*	75 J	U	U	U	100 J

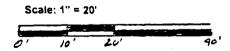
^{*} Detection limit for these compounds is 330 ppb in the best of cases.

For the purpose of this summary, in the VOA section, U means less than 1 ppb, and; in the PAH section, U means less than 360 ppb.





Samp #	Field ID #	Depth (ft)
1	TP018-001	4.5
2	TP018-002	3.5
3	TP018-003	3
4	TP018-004	2.5
5	TP018-005	2.5



DEFENSE ENVIRONMENTAL RESTORATION FUND

Removal of Storage Tanks, etc. USACE Project #94-C-0037

GATEWAY NATIONAL RECREATION AREA FLOYD BENNETT FIELD Brooklyn, NY

UST CLOSURE TANK AND SAMPLE LOCATIONS UST #TP18

082

CLEANING UP THE ENVIRONMENT (C.U.T.E.) 103 GODWIN AVENUE SUITE 237 MIDLAND PARK, NEW JERSEY 07432 (201)427-2881

UST CLOSURE REPORT - TP2129

PAGE 1 OF 3

Contract Number: DACA51-94-C-0037.

Title: Removal Of Storage Tanks.

Transformers & Miscellaneous, Various Locations, New York

Tank Number: TP21 & TP 29

Tank Size (Gallons): 275 Each

3' X 5' Tank Dimensions:

Product(s) Contained: #2 Fuel Oil

Volume In Tank (Gallons): Residual

Date Removed: 10 APR 1995

Site Location: Floyd Bennett Field, Brooklyn, New York

SITE HISTORY:

- 1. Tank/pipe design - Single-layer steel; No monitoring devices present.
- Age of equipment 30+ years. 2.
- 3. History of Spills - None.
- 4. Past analytical Results - None.
- 5. Well records - None.
- 6. **Drinking water wells in vicinity - None.**
- 7. Potentially affected areas - None.

FIELD OBSERVATIONS:

- 1. Tank and/or pipe Excavation - No visually contaminated soil observed in excavation(s). Due to proximity of tanks to each other and the fact that they shared a piping system and trench, excavations were treated as common for sampling purposes.
- 2. Depth of stained, discolored and/or contaminated soil - N/A.
- Sheen None. 3.
- 4. Noticeable leaks in pipe joints - None.

PAGE 2 OF 3

Trailer Park Grounds, Floyd Bennett Field, New York, UST #'s 21 &29 (TP21 & 29)

- 5. Localized areas of corrosion None.
- 6. Holes or pits in tanks and/or pipes None.
- 7. Noticeable odors before, during, and/or after tank excavations None
- 8. Groundwater encountered? Depth to groundwater? Volume removed from excavation? None encountered.
- 9. Free product on groundwater? Thickness? None.

FIELD MEASUREMENTS AND ANALYSIS:

- Which field instruments were used? HNU-PID.
- 2. Tank removed.

 What were the readings from any areas of visual contamination? N/A.

What were the results from headspace analysis taken from the sidewall, bottom of the excavation, and below the bottom of the excavation? 0 PPM.

- **3. Piping removed -** All piping removed. See Soil Sample Location Map, included with Field Log, included after Page (3) of this report.
- 5. Soil samples; locations; results:*
 - * See soil sample location map included with Field Log, immediately after page (3) of this report.
- 6. Groundwater samples NA.

LAB MEASUREMENTS AND ANALYSIS:

All laboratory results are listed on sample location map(s). Copies of complete analyses have been submitted under separate cover.

1. Sample collector - Chris D. Elliott.

PAGE 3 OF 3

Trailer Park Grounds, Floyd Bennett Field, New York, UST #'s 21 & 29 (TP21 & 29)

- 2. Laboratory methods used for determination of soil contamination EPA Method 8021 for Volatile Organic(s)(VOAs); EPA Method 8270 for Poly-Aromatic Hydrocarbon(s)(PAHs).
- 3. Total amount of contaminated soil removed for disposal None.
- 4. Method of disposal N/A.

Disposal facility - N/A.

- 5. Fill source No off-site fill material was used.
- 6. Results of analysis of on-site material used for backfill Clean, sample results included with analytical reports from samples taken beneath USTs.
- 7. Further action required? No.
- 8. Area restored? Yes, backfilled with clean sand, compacted and graded.

CONTRACTOR'S CERTIFICATION: I hereby certify that to the best of my knowledge and belief that all information presented here is correct and accurate.

Name: Christopher D. Elliott

Signature:

(hustophen I Sund

Representing: Cleaning Up The Environment (C.U.T.E.), Midland Park, New

Jersey

Date Report Prepared: 30 JUN 1995

C.U.T.E. FIELD SAMPLE LOG

USTs 21 & 29

1. CONTRACT #: 9	4-C-0037 2. SITE NAM	ME/LOCATION: Floyd Bennett Field, Brooklyn, NY
3. SAMPLER/AFFILI	IATION: CHRIS D. ELLIC	OTT/TRI-GEM BUILDERS
4. PERSONNEL ON	-SITE: CLEANING (JP THE ENVIRONMENT
		

	-	•		· · · · · · · · · · · · · · · · · · ·		
SAMPLE NUMBER	TP2129-001	TP2129-002	TP2129-003	TP2129-004	TP2129-005	
SAMPLE DATE	4/12/95	4/12/95	4/12/95	4/12/95	4/12/95	
TIME OF COLLECTION	1340	1341	1342	1343	1344	
SAMPLE TYPE (G OR C)*	G	G	G	G	G	
SAMPLE DEPTH	5'6"	5'6"	2'	5'	5'	
PRESERVATIVES USED	NA	NA	NA	NA	NA	
DATA COLLECTED (HNU)	0 ppm	0 ppm	0 ppm	0 ppm	0 ppm	
HNU METER CAL.(?)	YES	YES	YES	YES	YES	
ANALYSIS REQUIRED	8021 8270		8021 8270	8021 8270	8021 8270	
SAMPLE DESCRIPTION	Sand, little silt					
COLOR	tan	tan	tan	tan	tan	
SOIL TEXTURE	Dry and gr	anular		<u> </u>	I	<u> </u>
MOTTLES	none	none	none	none	none	
WEATHER	Cloudy, 50 D F					
GROUNDWATER PRESENT	No groundwater present					
ODORS	none	none	none	none	none	
I HEREBY CERTIFY THAT TO THE BEST OF MY KNOWLEDGE ALL DATA PRESENTED HERE IS TRUE AND ACCURATE AND IN COMPLIANCE WITH CONTRACT SPECIFICATIONS:						
					6/23/95	
NAME SIGNATURE (DATE						DATE

C.U.T.E. FIELD SAMPLE LOG

USTs 21 & 29

1, CONTRACT #: 94-C-0037	2. SITE NAME/LOCATION: Floyd Bennett Field, Brooklyn, NY
3. SAMPLER/AFFILIATION:	CHRIS D. ELLIOTT/TRI-GEM BUILDERS
4. PERSONNEL ON-SITE:	CLEANING UP THE ENVIRONMENT
	3, 3

<u> </u>						
SAMPLE NUMBER	TP2129-006	TP2129-007	TP2129-008	TP2129-009		
SAMPLE DATE	4/12/95	4/12/95	4/12/95	4/12/95		
TIME OF COLLECTION	1345	1346	1347	1348		
SAMPLE TYPE (G OR C)*	G	G	G	G		
SAMPLE DEPTH	3'	2'	2'	2'6"		
PRESERVATIVES USED	NA	NA	NA	NA		
DATA COLLECTED (HNU)	0 ppm	0 ppm	0 ppm	0 ppm		
HNU METER CAL.(?)	YES	YES	YES	YES		· · · · · ·
ANALYSIS REQUIRED	8021 8270			8021 8270		
SAMPLE DESCRIPTION	Sand, little silt					
COLOR	tan	tan	tan	tan		<u> </u>
SOIL TEXTURE	Dry and gr	Dry and granular				
MOTTLES	none	none	none	none		
WEATHER	Cloudy, 50 D F					
GROUNDWATER PRESENT	No groundwater present					
ODORS	none	none	none	none		
I HEREBY CERTIFY THAT TO THE BEST OF MY KNOWLEDGE ALL DATA PRESENTED HERE IS TRUE AND ACCURATE AND IN COMPLIANCE WITH CONTRACT SPECIFICATIONS: CHRIS D. ELLIOTT 6/23/95						
NAME		SIGNATUR	ベヒし			DATE

SAMPLE RESULT(S) SUMMARY

Trailer Park Grounds, Floyd Bennett Field, New York, UST #'S 21 & 29 (TP21 & 29)

Field Sample No.*:	001	002	003	004	005
Date:	4/12/95	4/12/95	4/12/95	4/12/95	4/12/95
Depth (Ft.):	5 .5'	5.5'	2.0'	5.0'	5.0

^{*} All sample numbers preceded by "TP2129"

Volatile Organic Compounds (VOAs), EPA Method 8021, (ppb)

Guidance Value, (ppb) U Benzene U Toluene 100 U U U Ethylbenzene 100 U U U U U m-p Xylenes 100 U U U U U U o-Xylene 100 U U U U U Isopropylbenzene 100 U n-Propylbenzene 100 U U U U U U U p-Isopropyttoluene 100 U U U U U U 1,3,5-Trimethylbenzene U 100 1,2,4-Trimethylbenzene 100 U U U U U υ υ ΰ υ t-butylbenzene 100 υ U U U U Methyl-t-butylether 100 U sec-Butylbenzene 100 U U U U U U n-Butylbenzene U υ U 100 U Napthalene (8021) 200 U U U

Poly-Aromatic Hydrocarbons (PAHs), EPA Method 8270, (ppb)

Acenapthene	400	U	Ū	U	U	U
Fluorene	1000	U	U	U	U	U
Phenanthrene	1000	U	U	U	42 J	U
Anthracene	1000	U	U	U	U	U
Fluoranthene	1000	U	89 J	42 J	74 J	U
Pyrene	1000	U	96 J	41 J	78 J	U
Benzo(a)anthracene	.04*	U	69 J	U	41 J	U
Chrysene	.04*	U	64 J	U	39 J	U
Benzo(b)fluoranthene	.04*	U	6 5 J	U	40 J	υ
Benzo(k)fluoranthene	.04*	U	74 J	U	U	U
Benzo(a)pyrene	.04*	U	55 J	U	38 J	U
Indeno(1,2,3-cd)pyrene	.04*	U	51 J	Ų	U	U
Dibenz(a,h)anthracene	1000	U	49 J	U	U	U
Benzo(g,h,i)perylene	.04*	U	48 J	U	U	U

^{*} Detection limit for these compounds is 330 ppb in the best of cases.

For the purpose of this summary, in the VOA section, U means less than 1 ppb, and; in the PAH section, U means less than 360 ppb.

SAMPLE RESULT(S) SUMMARY

Trailer Park Grounds, Floyd Bennett Field, New York, UST #'S 21 & 29 (TP21 & 29)

 Field Sample No.*:
 006
 007
 008
 009

 Date:
 4/12/95
 4/12/95
 4/12/95
 4/12/95
 4/12/95
 4/12/95

 Depth (Ft.):
 3.0'
 2.0'
 2.0'
 2.5'

Volatile Organic Compounds (VOAs), EPA Method 8021, (ppb)

Guidance Value, (ppb) Benzene 14 U U U U Toluene 100 .82 U U Ethylbenzene 100 U U U U m-p Xylenes 100 U U U U U o-Xylene 100 U U U Isopropylbenzene 100 U U U U n-Propylbenzene 100 U U U U p-Isopropyltoluene 100 U U U U 1,3,5-Trimethylbenzene 100 U Ų U U 1,2,4-Trimethylbenzene 100 υ U U U t-butylbenzene 100 U U U U Methyl-t-butylether 100 U U U U sec-Butylbenzene 100 U U U U n-Butylbenzene 100 U U U U Napthalene (8021) 200 U U U U

Poly-Aromatic Hydrocarbons (PAHs), EPA Method 8270, (ppb)

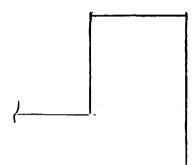
Acenapthene	400	U	U	U	U
Fluorene	1000	U	U	Ų	U
Phenanthrene	1000	U	37 J	71 J	220 J
Anthracene	1000	U	U	U	48 J
Fluoranthene	1000	40 J	64 J	110 J	320 J
Pyrene	1000	38 J	59 J	100 J	270 J
Benzo(a)anthracene	.04*	U	U	U	1 30 J
Chrysene	.04*	Ŭ	4 0 J	56 J	150 J
Benzo(b)fluoranthene	.04*	U	4 9 J	54 J	130 J
Benzo(k)fluoranthene	.04*	U	U	41 J	110 J
Benzo(a)pyrene	.04*	U	37 J	51 J	100 J
Indeno(1,2,3-cd)pyrene	.04*	U	U	U	70 J
Dibenz(a,h)anthracene	1000	U	U	U	U
Benzo(g,h,i)perylene	.04*	U	U	U	74 J

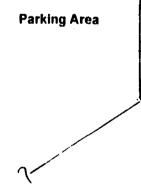
^{*} Detection limit for these compounds is 330 ppb in the best of cases.

For the purpose of this summary, in the VOA section, U means less than 1 ppb, and; in the PAH section, U means less than 360 ppb.

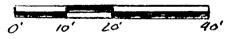
^{*} All sample numbers preceded by *TP2129

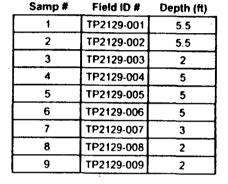






Scale: 1" = 20'







Remote Fill

DEFENSE ENVIRONMENTAL RESTORATION FUND

Removal of Storage Tanks, etc. USACE Project #94-C-0037

GATEWAY NATIONAL RECREATION AREA
FLOYD BENNETT FIELD
Brooklyn, NY

UST CLOSURE
TANK AND SAMPLE LOCATIONS
USTs #TP21 & #TP29

CLEANING UP THE ENVIRONMENT (C.U.T.E.) 103 GODWIN AVENUE SUITE 237 MIDLAND PARK, NEW JERSEY 07432 (201)427-2881

UST CLOSURE REPORT - TP22

PAGE 1 OF 3

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Contract Number: DACA51-94-C-0037

Title: Removal Of Storage Tanks,

Transformers & Miscellaneous, Various Locations, New York

Tank Number: TP22

P22

Tank Size (Gallons): 275

Tank Dimensions: 3' X 5'

X 5 Product(s) C

Product(s) Contained: #2 Fuel Oil Date Removed: 10 APR 1995

Volume In Tank (Gallons): 200

Site Location: Floyd Bennett Field, Brooklyn, New York

SITE HISTORY:

1. Tank/pipe design - Single-layer steel; No monitoring devices present.

- 2. Age of equipment 30+ years.
- 3. History of Spills None.
- 4. Past analytical Results None.
- 5. Well records None.
- 6. Drinking water wells in vicinity None.
- 7. Potentially affected areas None.

FIELD OBSERVATIONS:

- 1. Tank and/or pipe Excavation No visually contaminated soil observed in excavation.
- 2. Depth of stained, discolored and/or contaminated soil N/A.
- 3. Sheen None.
- 4. Noticeable leaks in pipe joints None.

PAGE 2 OF 3

Trailer Park Grounds, Floyd Bennett Field, New York, UST #22 (TP22)

- 5. Localized areas of corrosion None.
- 6. Holes or pits in tanks and/or pipes None.
- 7. Noticeable odors before, during, and/or after tank excavations None.
- 8. Groundwater encountered? Depth to groundwater? Volume removed from excavation? None encountered.
- 9. Free product on groundwater? Thickness? None.

FIELD MEASUREMENTS AND ANALYSIS:

- 1. Which field instruments were used? HNU-PID.
- 2. Tank removed.

 What were the readings from any areas of visual contamination? N/A.

What were the results from headspace analysis taken from the sidewall, bottom of the excavation, and below the bottom of the excavation? 10 PPM

- **3. Piping removed -** All piping removed. Only copper feed & return lines found and removed.
- 5. Soil samples; locations; results:*
 - * See soil sample location map included with Field Log, immediately after page (3) of this report.
- 6. Groundwater samples NA.

LAB MEASUREMENTS AND ANALYSIS:

All laboratory results are listed on sample location map(s). Copies of complete analyses have been submitted under separate cover.

1. Sample collector - Chris D. Elliott.

PAGE 3 OF 3

hustaphen D. J'unes

Trailer Park Grounds, Floyd Bennett Field, New York, UST #22 (TP22)

- 2. Laboratory methods used for determination of soil contamination EPA Method 8021 for Volatile Organic(s)(VOAs); EPA Method 8270 for Poly-Aromatic Hydrocarbon(s)(PAHs).
- 3. Total amount of contaminated soil removed for disposal 15 CY.
- 4. Method of disposal Recycling.

Disposal facility - Mount Hope, NJ.

- 5. Fill source Bank run Fred A. McDowell.
- **6.** Results of analysis of on-site material used for backfill Clean, sample results included with analytical reports from samples taken beneath USTs.
- 7. Further action required? No.
- 8. Area restored? Yes, backfilled with clean sand, compacted and graded.

CONTRACTOR'S CERTIFICATION: I hereby certify that to the best of my knowledge and belief that all information presented here is correct and accurate.

Name: Christopher D. Elliott

Signature:

Representing: Cleaning Up The Environment (C.U.T.E.), Midland Park, New

Jersey

Date Report Prepared: 30 JUN 1995

NYSDEC Spill#95-04282

C.U.T.E. FIELD SAMPLE LOG

	US	ST	T	P22
--	----	----	---	-----

1. CONTRACT #: 94-C-0037	2. SITE NAME/LOCATION: Floyd Bennett Field, Brooklyn, NY
	IRIS D. ELLIOTT/TRI-GEM BUILDERS
4. PERSONNEL ON-SITE:	CLEANING UP THE ENVIRONMENT
SAMPLE NUMBER	TP22-0061 TP22-0072 TP22-0083 TP22-0064 TP22-005

· · · · · · · · · · · · · · · · · · ·			:		;	
SAMPLE NUMBER	TP22-0061	TP22-00/2	TP22-00\$3	TP22-00%1	TP22-005	
SAMPLE DATE	4/11/95	4/11/95	4/11/95	4/11/95	4/11/95	
TIME OF COLLECTION	954	955	956	957	958	
SAMPLE TYPE (G OR C)*	G	G	G	G	G	
SAMPLE DEPTH	4'6"	3'6"	3'	2'6"	2'6"	
PRESERVATIVES USED	NA	NA	NA	NA	NA	
DATA COLLECTED (HNU)	0 ppm	0 ppm	0 ppm	0 ppm	0 ppm	
HNU METER CAL.(?)	YES	YES	YES	YES	YES	
ANALYSIS REQUIRED	8021 8270	•	8021 8270		8021 8270	
SAMPLE DESCRIPTION	Sand, little silt					
COLOR	tan	tan	tan	tan	tan	
SOIL TEXTURE	Dry and gr	anular	<u> </u>			
MOTTLES	none	none	none	none	none	
WEATHER	Sunny, 40 D F					<u></u>
GROUNDWATER PRESENT	No groundwater present					
ODORS	none	none	none	none	none	
I HEREBY CERTIFY THAT TO IS TRUE AND ACCURATE AND CHRIS D. ELLIOTT				ACT SPECI		
NAME		SIGNATU			•	DATE

SAMPLE RESULT(S) SUMMARY

Trailer Park Grounds, Floyd Bennett Field, New York, UST #22 (TP22)

Field Sample No.:

TP22-001 TP22-002 TP22-003 TP22-004 TP22-005

Date: Depth (Ft.):

4/11/95 4/11/95 4/11/95 4/11/95 4/11/95 4.5" 3.5' 3.0' 2.5' 2.5'

Volatile Organic Compounds (VOAs), EPA Method 8021, (ppb)

Guidai	nce
Value,	(ppb)

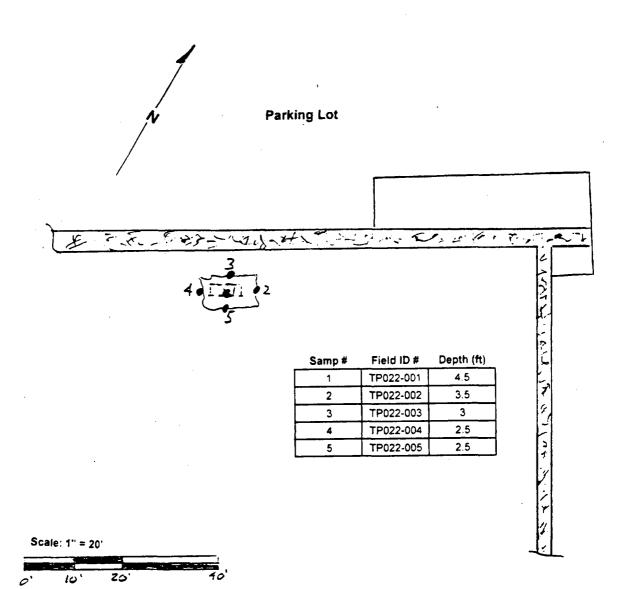
Benzene	14	U	U	U	U	U
Toluene	100	U	U	U	U	U
Ethylbenzene	100	U	U	U	U	U
m-p Xylenes	100	U	U	U	U	U
o-Xylene	100	U	U	U	U	U
Isopropyibenzene	100	U	U	U	U	U
n-Propylbenzene	100	U	U	U	U	U
p-Isopropyttoluene	100	U	U	U	U	U
1,3,5-Trimethylbenzene	100	U	U	U	U	U
1,2,4-Trimethylbenzene	100	U	U	U	U	U
t-butylbenzene	100	U	บ	Ü	υ	U
Methyl-t-butylether	100	U	U	U	U	ป
sec-Butylbenzene	100	U	U	U	U	U
n-Butylbenzene	100	U	U	U	U	U
Napthalene (8021)	200	U	Ü	U	U	U

Poly-Aromatic Hydrocarbons (PAHs), EPA Method 8270, (ppb)

Acenapthene	400	U	U	U	U	U
Fluorene	1000	U	U	U	U	U
Phenanthrene	1000	120 J	U	U	U	U
Anthracene	1000	U	U	U	U	U
Fluoranthene	1000	150 J	U	Ų	U	U
Pyrene	1000	220 J	ប	U	U	U
Benzo(a)anthracene	.04*	93 J	U	U	U	U
Chrysene	.04*	110 J	U	U	U	U
Benzo(b)fluoranthene	.04*	93 J	U	U	U	U
Benzo(k)fluoranthene	.04*	50 J	U	ឋ	U	U
Benzo(a)pyrene	.04*	8 9 J	U	U	U	U
Indeno(1,2,3-cd)pyrene	.04*	48 J	U	U	U	U
Dibenz(a,h)anthracene	1000	U	U	Ü	U	U
Benzo(g,h,i)perylene	.04*	59 J	U	U	U	U

^{*} Detection limit for these compounds is 330 ppb in the best of cases.

For the purpose of this summary, in the VOA section, U means less than 1 ppb, and; in the PAH section, U means less than 360 ppb.



DEFENSE ENVIRONMENTAL RESTORATION FUND

Removal of Storage Tanks, etc. USACE Project #94-C-0037

GATEWAY NATIONAL RECREATION AREA
. FLOYD BENNETT FIELD
Brooklyn, NY

UST CLOSURE
TANK AND SAMPLE LOCATIONS
UST #TP22

CLEANING UP THE ENVIRONMENT (C.U.T.E.) 103 GODWIN AVENUE SUITE 237 MIDLAND PARK, NEW JERSEY 07432 (201)427-2881

UST CLOSURE REPORT - TP23

PAGE 1 OF 3

Contract Number: DACA51-94-C-0037

Title: Removal Of Storage Tanks,

Transformers & Miscellaneous, Various Locations, New York

Tank Number: **TP23** Tank Size (Gallons): 275

Tank Dimensions: 3' X 5'

Product(s) Contained: #2 Fuel Oil

Volume In Tank (Gallons): Residual

Date Removed: 10 APR 1995

Site Location: Floyd Bennett Field, Brooklyn, New York

SITE HISTORY:

1. Tank/pipe design - Single-layer steel; No monitoring devices present.

- 2. Age of equipment - 30+ years.
- 3. History of Spills - None.
- 4. Past analytical Results - None.
- 5. Well records - None.
- 6. **Drinking water wells in vicinity - None.**
- 7. Potentially affected areas - None

FIELD OBSERVATIONS:

- 1. Tank and/or pipe Excavation - No visually contaminated soil observed in excavation.
- 2. Depth of stained, discolored and/or contaminated soil - N/A.
- 3. Sheen - None.
- 4. Noticeable leaks in pipe joints - None.

PAGE 2 OF 3

Trailer Park Grounds, Floyd Bennett Field, New York, UST #23 (TP23)

- 5. Localized areas of corrosion None.
- 6. Holes or pits in tanks and/or pipes None.
- 7. Noticeable odors before, during, and/or after tank excavations None.
- 8. Groundwater encountered? Depth to groundwater? Volume removed from excavation? None encountered.
- 9. Free product on groundwater? Thickness? None.

FIELD MEASUREMENTS AND ANALYSIS:

- 1. Which field instruments were used? HNU-PID.
- Tank removed.
 What were the readings from any areas of visual contamination? N/A.

What were the results from headspace analysis taken from the sidewall, bottom of the excavation, and below the bottom of the excavation? 0 PPM.

- **3. Piping removed -** All piping removed. Only copper feed & return lines found and removed.
- 5. Soil samples; locations; results:*
 - * See soil sample location map included with Field Log, immediately after page (3) of this report.
- 6. Groundwater samples NA.

LAB MEASUREMENTS AND ANALYSIS:

All laboratory results are listed on sample location map(s). Copies of complete analyses have been submitted under separate cover.

1. Sample collector - Chris D. Elliott.

PAGE 3 OF 3

Trailer Park Grounds, Floyd Bennett Field, New York, UST #23 (TP23)

- 2. Laboratory methods used for determination of soil contamination EPA Method 8021 for Volatile Organic(s)(VOAs); EPA Method 8270 for Poly-Aromatic Hydrocarbon(s)(PAHs).
- 3. Total amount of contaminated soil removed for disposal None.
- 4. Method of disposal N/A.

Disposal facility - N/A.

- 5. Fill source No off-site fill material was used.
- 6. Results of analysis of on-site material used for backfill Clean, sample results included with analytical reports from samples taken beneath USTs.
- 7. Further action required? No.
- 8. Area restored? Yes, backfilled with clean sand, compacted and graded.

CONTRACTOR'S CERTIFICATION: I hereby certify that to the best of my knowledge and belief that all information presented here is correct and accurate.

Name: Christopher D. Elliott

Signature: (hustophen) Simust

Representing: Cleaning Up The Environment (C.U.T.E.), Midland Park, New

Jersey

Date Report Prepared: 30 JUN 1995

C.U.T.E. FIELD SAMPLE LOG

ı	JST	7 7	ſP	2:

1. CONTRACT #: 94-C-0037	2. SITE NAME/LOCATION: Floyd Bennett Field, Brooklyn, NY
3. SAMPLER/AFFILIATION:	CHRIS D. ELLIOTT/TRI-GEM BUILDERS
4. PERSONNEL ON-SITE:	CLEANING UP THE ENVIRONMENT

<u> </u>						
SAMPLE NUMBER	TP23-001	TP23-002	TP23-003	TP23-004	TP23-005	
SAMPLE DATE	4/10/95	4/10/95	4/10/95	4/10/95	4/10/95	
TIME OF COLLECTION	1110	1111	1112	1113	1114	
SAMPLE TYPE (G OR C)*	G	G	G	G	G	
SAMPLE DEPTH	4'6"	2'6"	2'	3'6"	2'6"	
PRESERVATIVES USED	NA	NA	NA	NA	NA	
DATA COLLECTED (HNU)	0 ppm	0 ppm	0 ppm	0 ppm	0 ppm	
HNU METER CAL.(?)	YES	YES	YES	YES	YES	
ANALYSIS REQUIRED	8021 8270			8021 82 70	8021 8270	
SAMPLE DESCRIPTION	Sand, little	silt				
COLOR	tan	tan	tan	tan	tan	
SOIL TEXTURE	Dry and gr	anular	<u> </u>	<u> </u>		
MOTTLES	none	none	none	none	none	
WEATHER	Sunny, 40 D F					
GROUNDWATER PRESENT	No groundwater present					
ODORS	none	none	none	none	none	
I HEREBY CERTIFY THAT TO T IS TRUE AND ACCURATE AND			H CONTRA	CT SPECI		3 :
CHRIS D. ELLIOTT NAME		SIGNATUR	() /Wol	1	•	6/23/95 DATE
IAVIAIF		OIDIAN I UI				DAIE

SAMPLE RESULT(S) SUMMARY

Trailer Park Grounds, Floyd Bennett Field, New York, UST #23 (TP23)

Field Sample No.:

TP23-001 TP23-002 TP23-003 TP23-004 TP23-005

Date:

Depth (Ft.):

4/10/95 4/10/95 4/10/95 4/10/95 4/10/95 4.5" 2.5' 2.0' 3.5' 2.5'

Volatile Organic Compounds (VOAs), EPA Method 8021, (ppb)

Guida	nce
Value.	(dag)

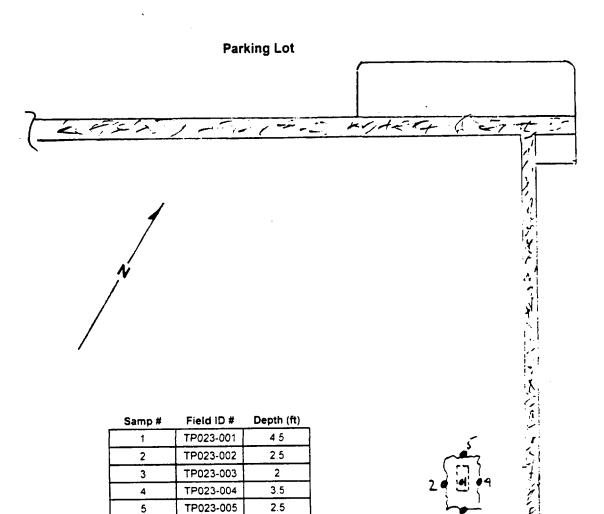
14	U	U	U	U	U
100	U	U	U	1.7	1.4
100	U	U	U	U	U
100	U	U	U	U	U
100	U	U	U	U	.72
100	U	U	U	U	U
100	U	U	U	U	U
100	U	U	U	U	U
100	U	U	U	U	U
100	U	U	U	U	U
100	U	U	U	U	U
100	U	U	U	U	U
100	U	U	U	U	U
100	U	U	U	U	U
200	U	U	U	υ	U
	100 100 100 100 100 100 100 100 100 100	100 U	100 U U U 100 U U U 100 U U U U 100 U U U U	100 U U U U 100 U U U U U U U U U U U U	100 U U U U 1.7 100 U U U U U U 100 U U U U U

Poly-Aromatic Hydrocarbons (PAHs), EPA Method 8270, (ppb)

Fluorene 1000 U T 44 U U U U T 44 U U U U T 44 U	Acenapthene	400	U	U	U	υ	U
Anthracene 1000 U U U U U U U U U U U U U U U U U U D U T/4 J 65 J 65 J Benzo(b)fluoranthene 0.04* U U U U T/4 J 65 J 65 J 86 J 65 J 86 J 65 J 86 J 65 J 86 J		1000	U	U	U	U	U
Fluoranthene 1000 U U U 200 J 120 Pyrene 1000 U U U 200 J 110 Benzo(a)anthracene .04* U U U U 89 J 62 J Chrysene .04* U U U U 110 J 67 J Benzo(b)fluoranthene .04* U U U 74 J 65 J Benzo(a)pyrene .04* U U U 74 J 52 J Indeno(1,2,3-cd)pyrene .04* U U U 47 J U Dibenz(a,h)anthracene 1000 U U U U U U	Phenanthrene	1000	U	υ	U	130 J	71 J
Pyrene 1000 U U U U 200 J 110 Benzo(a)anthracene .04* U U U U 89 J 62 J Chrysene .04* U U U U 110 J 67 J Benzo(b)filuoranthene .04* U U U T4 J 65 J Benzo(a)pyrene .04* U U U T74 J 52 J Indeno(1,2,3-cd)pyrene .04* U U U 47 J U Dibenz(a,h)anthracene 1000 U U U U U U	Anthracene	1000	U	U	U	U	U
Benzo(a)anthracene .04° U U U U B8J 62 J Chrysene .04° U U U U 110 J 67 J Benzo(b)filuoranthene .04° U U U T4 J 65 J Benzo(k)filuoranthene .04° U U U T8 J 44 J Benzo(a)pyrene .04° U U U T4 J 52 J Indeno(1,2,3-cd)pyrene .04° U U U 47 J U Dibenz(a,h)anthracene 1000 U U U U U	Fluoranthene	1000	U	U	U	200 J	120 J
Chrysene .04* U U U U 110 J 67 J Benzo(b)filuoranthene .04* U U U T4 J 65 J Benzo(k)filuoranthene .04* U U U T8 J 44 J Benzo(a)pyrene .04* U U U T4 J 52 J Indeno(1,2,3-cd)pyrene .04* U U U 47 J U Dibenz(a,h)anthracene 1000 U U U U U U	Pyrene	1000	U	U	U	200 J	110 J
Benzo(b)fluoranthene .04* U U U T4 J 65 J Benzo(k)fluoranthene .04* U U U T8 J 44 J Benzo(a)pyrene .04* U U U T4 J 52 J Indeno(1,2,3-cd)pyrene .04* U U U 47 J U Dibenz(a,h)anthracene 1000 U U U U U	Benzo(a)anthracene	.04*	U	U	U	89 J	62 J
Benzo(b)fluoranthene .04* U U U T4 J 65 J Benzo(k)fluoranthene .04* U U U T8 J 44 J Benzo(a)pyrene .04* U U U T4 J 52 J Indeno(1,2,3-cd)pyrene .04* U U U 47 J U Dibenz(a,h)anthracene 1000 U U U U U	Chrysene	.04*	U	U	U	110 J	67 J
Benzo(a)pyrene .04* U U U 74 J 52 J Indeno(1,2,3-cd)pyrene .04* U U U 47 J U Dibenz(a,h)anthracene 1000 U U U U U		.04*	U	U	U	74 J	6 5 J
Indeno(1,2,3-cd)pyrene .04* U U U U 47 J U Dibenz(a,h)anthracene 1000 U U U U U U	Benzo(k)fluoranthene	.04*	U	บ	U	78 J	44 J
Indeno(1,2,3-cd)pyrene .04* U U U U 47 J U Dibenz(a,h)anthracene 1000 U U U U U U	Benzo(a)pyrene	.04*	U	U	U	74 J	52 J
Dibenz(a,h)anthracene 1000 U U U U U		.04*	U	Ü	U	47 J	U
	Dibenz(a,h)anthracene	1000	U	U	U	U	U
	Benzo(g,h,i)perylene	.04*	U	U	U	52 J	37 J

^{*} Detection limit for these compounds is 330 ppb in the best of cases.

For the purpose of this summary, in the VOA section, U means less than 1 ppb, and; in the PAH section, U means less than 360 ppb.



Scale: 1" = 20'

Removal of Storage Tanks, etc. USACE Project #94-C-0037

DEFENSE ENVIRONMENTAL RESTORATION FUND

GATEWAY NATIONAL RECREATION AREA FLOYD BENNETT FIELD Brooklyn, NY

UST CLOSURE TANK AND SAMPLE LOCATIONS UST #TP23

CLEANING UP THE ENVIRONMENT (C.U.T.E.) 103 GODWIN AVENUE SUITE 237 MIDLAND PARK, NEW JERSEY 07432 (201)427-2881

UST CLOSURE REPORT - TP30

PAGE 1 OF 3

CE

Contract Number: DACA51-94-C-0037 Title: Removal Of Storage Tanks,

Transformers & Miscellaneous, Various Locations, New York

Tank Number:

TP30

Tank Size (Gallons): 275

3' X 5' Tank Dimensions:

Volume In Tank (Gallons): Residual

Product(s) Contained: #2 Fuel Oil

Date Removed: 10 APR 1995

Site Location: Floyd Bennett Field, Brooklyn, New York

SITE HISTORY:

- 1. **Tank/pipe design - Single-layer steel; No monitoring devices present.**
- 2. Age of equipment - 30+ years.
- 3. History of Spills - None.
- 4. Past analytical Results - None.
- 5. Well records - None.
- 6. **Drinking water wells in vicinity - None.**
- 7. Potentially affected areas - None.

FIELD OBSERVATIONS:

- 1. Tank and/or pipe Excavation - No visually contaminated soil observed in excavation.
- 2. Depth of stained, discolored and/or contaminated soil - N/A.
- 3. Sheen - None.
- 4. Noticeable leaks in pipe joints - None.

PAGE 2 OF 3

Trailer Park Grounds, Floyd Bennett Field, New York, UST #30 (TP30)

- 5. Localized areas of corrosion None.
- 6. Holes or pits in tanks and/or pipes None.
- 7. Noticeable odors before, during, and/or after tank excavations None.
- 8. Groundwater encountered? Depth to groundwater? Volume removed from excavation? None encountered.
- 9. Free product on groundwater? Thickness? None.

FIELD MEASUREMENTS AND ANALYSIS:

- 1. Which field instruments were used? HNU-PID.
- 2. Tank removed.

 What were the readings from any areas of visual contamination? N/A.

What were the results from headspace analysis taken from the sidewall, bottom of the excavation, and below the bottom of the excavation? 0 PPM

- **3. Piping removed -** All piping removed. Only copper feed & return lines found and removed.
- 5. Soil samples; locations; results:*
 - * See soil sample location map included with Field Log, immediately after page (3) of this report.
- 6. Groundwater samples NA.

LAB MEASUREMENTS AND ANALYSIS:

All laboratory results are listed on sample location map(s). Copies of complete analyses have been submitted under separate cover.

1. Sample collector - Chris D. Elliott.

PAGE 3 OF 3

Trailer Park Grounds, Floyd Bennett Field, New York, UST #30 (TP30)

- 2. Laboratory methods used for determination of soil contamination EPA Method 8021 for Volatile Organic(s)(VOAs); EPA Method 8270 for Poly-Aromatic Hydrocarbon(s)(PAHs).
- 3. Total amount of contaminated soil removed for disposal None.
- 4. Method of disposal N/A.

Disposal facility - N/A.

- 5. Fill source No off-site fill material was used.
- 6. Results of analysis of on-site material used for backfill Clean, sample results included with analytical reports from samples taken beneath USTs.
- 7. Further action required? No.
- 8. Area restored? Yes, backfilled with clean sand, compacted and graded.

CONTRACTOR'S CERTIFICATION: I hereby certify that to the best of my knowledge and belief that all information presented here is correct and accurate.

Name: Christopher D. Elliott

Signature: (husiphu) Just

Representing: Cleaning Up The Environment (C.U.T.E.), Midland Park, New

Jersey

Date Report Prepared: 30 JUN 1995

C.U.T.E.
FIELD SAMPLE LOG

UST TP30

1. CONTRACT #: 94-C-0037	2. SITE NAME/LOCATION: Floyd Bennett Field, Brooklyn, NY
3. SAMPLER/AFFILIATION:	CHRIS D. ELLIOTT/TRI-GEM BUILDERS
4. PERSONNEL ON-SITE:	CLEANING UP THE ENVIRONMENT

· · · · · · · · · · · · · · · · · · ·					
TP30-001	TP30-002	TP30-003	TP30-004	TP30-005	
4/10/95	4/10/95	4/10/95	4/10/95	4/10/95	
1420	1421	1422	1423	1424	
G	G	G	G	G	
5'	3'	3'	3'	3'	
NA	NA	NA	NA	NA	
0 ppm	0 ppm	0 ppm	0 ppm	0 ppm	
YES	YES	YES	YES	YES	
				–	
Sand, little	silt	<u>.</u>		<u></u>	
tan	tan	tan	tan	tan	
Dry and gr	anular	L	L	<u> </u>	
none	none	none	none	none	
Sunny, 50	DF	<u></u>			
No ground	No groundwater present				
none	none	none	none	none	i
	IANCEWIT	H CONTRA	ACT SPECI		3 :
	SIGNATUI		0	-	6/23/95 DATE
	A/10/95 1420 G 5' NA 0 ppm YES 8021 8270 Sand, little tan Dry and gr none Sunny, 50 No ground none THE BEST (4/10/95 1420 1421 G G G 5' 3' NA NA 0 ppm 0 ppm YES YES 8021 8021 8270 8270 Sand, little silt tan tan Dry and granular none none Sunny, 50 D F No groundwater prese none none	4/10/95 4/10/95 4/10/95 1420 1421 1422 G G G G 5' 3' 3' NA NA NA 0 ppm 0 ppm 0 ppm YES YES YES 8021 8021 8021 8021 8270 Sand, little silt tan tan tan Dry and granular none none none Sunny, 50 D F No groundwater present none none none THE BEST OF MY KNOWLEDGE D IN COMPLIANCE/WITH CONTRA	4/10/95 4/10/95 4/10/95 4/10/95 1420 1421 1422 1423 G	4/10/95

SAMPLE RESULT(S) SUMMARY

Trailer Park Grounds, Floyd Bennett Field, New York, UST #30 (TP30)

Field Sample No.:

TP30-001 TP30-002 TP30-003 TP30-004 TP30-005

Date:

4/10/95 4/10/95 4/10/95 4/10/95

Depth (Ft.):

5.0° 3.0' 3.0 3.0' 3.0'

Volatile Organic Compounds (VOAs), EPA Method 8021, (ppb)

Guldaı	nce
Value,	(ppb)

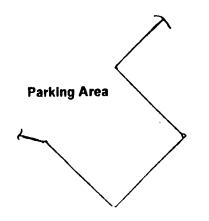
_						
Benzene	14	U	U	U	U	U
Toluene	100	U	1.3	3.3	1.1	U
Ethylbenzene	100	U	U	.82	U	U
m-p Xylenes	100	U	U	1.8	U	U
o-Xylene	100	U	U	U	U	U
Isopropylbenzene	100	U	U	U	U	U
n-Propylbenzene	100	U	υ	U	U	U
p-Isopropyttoluene	100	U	U	U	U	U
1,3,5-Trimethylbenzene	100	U	U	U	U	U
1,2,4-Trimethylbenzene	100	U	U	U	U	U
t-butylbenzene	100	U	U	U	U	U
Methyl-t-butylether	100	U	U	U	U	U
sec-Butylbenzene	100	U	U	U	U	U
n-Butylbenzene	100	U	Ų	U	U	U
Napthalene (8021)	200	U	U	U	U	U

Poly-Aromatic Hydrocarbons (PAHs), EPA Method 8270, (ppb)

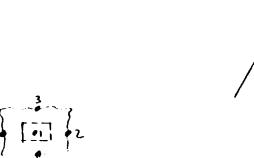
Acenapthene	400	ุบ	U	Ü	U	U
Fluorene	1000	U	U	U	U	U
Phenanthrene	1000	120 J	U	U	58 J	79 J
Anthracene	1000	U	U	U	U	U
Fluoranthene	1000	170 J	U	<i>7</i> 3 J	110 J	140 J
Pyrene	1000	190 J	U	65 J	93 J	120 J
Benzo(a)anthracene	.04*	76 J	U	U	50 J	64 J
Chrysene	.04*	95 J	U	U	50 J	72 J
Benzo(b)fluoranthene	.04*	57 J	U	U	40 J	62 J
Benzo(k)fluoranthene	.04*	47 J	U	U	39 J	54 J
Benzo(a)pyrene	.04*	58 J	Ų	Ų	39 J	56 J
Indeno(1,2,3-cd)pyrene	.04*	υ	U	U	U	Ų
Dibenz(a,h)anthracene	1000	U	U	U	U	U
Benzo(g,h,i)perylene	.04*	U	Ų	U	U	U

^{*} Detection limit for these compounds is 330 ppb in the best of cases.

For the purpose of this summary, in the VOA section, U means less than 1 ppb, and; in the PAH section, U means less than 360 ppb.



10



Samp #	Field ID #	Depth (ft)
1	TP30-001	5
2	TP30-002	3
3	TP30-003	3
4	TP30-004	3
5	TP30-005	3

Sca	le: 1" = 2	0.	
0	10'	20'	40

CITY OF THE WAR STREET OF THE CONTRACT OF THE STREET

DEFENSE ENVIRONMENTAL RESTORATION FUND

Removal of Storage Tanks, etc. USACE Project #94-C-0037

GATEWAY NATIONAL RECREATION AREA FLOYD BENNETT FIELD Brooklyn, NY

UST CLOSURE
TANK AND SAMPLE LOCATIONS
UST #TP30

CLEANING UP THE ENVIRONMENT (C.U.T.E.) 103 GODWIN AVENUE SUITE 237 MIDLAND PARK, NEW JERSEY 07432 (201)427-2881

UST CLOSURE REPORT - TP32

PAGE 1 OF 3

Contract Number: DACA51-94-C-0037 Title: Removal Of Storage Tanks,

Transformers & Miscellaneous, Various Locations, New York

Tank Number:

TP32

Tank Size (Gallons): 275

Tank Dimensions:

3' X 5'

Product(s) Contained: #2 Fuel Oil

Volume In Tank (Gallons): 275

Date Removed: 10 APR 1995

Site Location:

Floyd Bennett Field, Brooklyn, New York

SITE HISTORY:

- 1. Tank/pipe design - Single-layer steel; No monitoring devices present.
- Age of equipment 30+ years. 2.
- 3. History of Spills - None.
- 4. Past analytical Results - None.
- 5. Well records - None.
- 6. **Drinking water wells in vicinity - None.**
- 7. Potentially affected areas - None.

FIELD OBSERVATIONS:

- 1. Tank and/or pipe Excavation - No visually contaminated soil observed in excavation.
- 2. Depth of stained, discolored and/or contaminated soil - N/A.
- 3. Sheen - None
- Noticeable leaks in pipe joints None. 4.

PAGE 2 OF 3

Trailer Park Grounds, Floyd Bennett Field, New York, UST #32 (TP32)

- 5. Localized areas of corrosion None.
- 6. Holes or pits in tanks and/or pipes None.
- 7. Noticeable odors before, during, and/or after tank excavations None.
- 8. Groundwater encountered? Depth to groundwater? Volume removed from excavation? None encountered.
- 9. Free product on groundwater? Thickness? None.

FIELD MEASUREMENTS AND ANALYSIS:

- 1. Which field instruments were used? HNU-PID.
- 2. Tank removed.

 What were the readings from any areas of visual contamination? N/A.

What were the results from headspace analysis taken from the sidewall, bottom of the excavation, and below the bottom of the excavation? 0 PPM.

- **3. Piping removed -** All piping removed. Only copper feed & return lines found and removed.
- 5. Soil samples; locations; results:*
 - * See soil sample location map included with Field Log, immediately after page (3) of this report.
- 6. Groundwater samples NA.

LAB MEASUREMENTS AND ANALYSIS:

All laboratory results are listed on sample location map(s). Copies of complete analyses have been submitted under separate cover.

1. Sample collector - Chris D. Elliott.

PAGE 3 OF 3

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Trailer Park Grounds, Floyd Bennett Field, New York, UST #32 (TP32)

- 2. Laboratory methods used for determination of soil contamination EPA Method 8021 for Volatile Organic(s)(VOAs); EPA Method 8270 for Poly-Aromatic Hydrocarbon(s)(PAHs).
- 3. Total amount of contaminated soil removed for disposal None.
- 4. Method of disposal N/A.

Disposal facility - N/A.

- 5. Fill source No off-site fill material was used.
- **6.** Results of analysis of on-site material used for backfill Clean, sample results included with analytical reports from samples taken beneath USTs.
- 7. Further action required? Yes. Sample #01 over NYSDEC STARS MEMO #1 limits. Additional excavation required.
- 8. Area restored? Yes, backfilled with clean sand, compacted and graded.

CONTRACTOR'S CERTIFICATION: I hereby certify that to the best of my knowledge and belief that all information presented here is correct and accurate.

Name: Christopher D. Elliott

Signature:

Representing: Cleaning Up The Environment (C.U.T.E.), Midland Park, New

Jersey

Date Report Prepared: 30 JUN 1995

C.U.T.E. FIELD SAMPLE LOG

UST TP32

CONTRACT #: 94-C-0037	7 [2. SITE NAME/LOCATION: Floyd Bennett Field, Brooklyn, NY
PERSONNEL ON-SITE:	CLEANING UP THE ENVIRONMENT

						
SAMPLE NUMBER	TP32-001	TP32-002	TP32-003	TP32-004	TP32-005	
SAMPLE DATE	4/11/95	4/11/95	4/11/95	4/11/95	4/11/95	
TIME OF COLLECTION	1115	1116	1117	1118	1119	
SAMPLE TYPE (G OR C)*	G	G	G	G ,	G	
SAMPLE DEPTH	5'	4'	3'6"	3'6"	4'6"	
PRESERVATIVES USED	NA	NA	NA	NA	NA	
DATA COLLECTED (HNU)	0 ppm	0 ppm	0 ppm	0 ppm	0 ppm	
HNU METER CAL.(?)	YES	YES	YES	YES	YES	
ANALYSIS REQUIRED	8021 8270		_		1	
SAMPLE DESCRIPTION	Sand, little	silt			<u> </u>	<u> </u>
COLOR	tan	tan	tan	tan	tan	
SOIL TEXTURE	Dry and gr	anular	L	<u> </u>		<u>. </u>
MOTTLES	none	none	none	none	none	
WEATHER	Sunny, 55	DF				<u></u>
GROUNDWATER PRESENT	No ground	water prese	nt			
ODORS	none	none	none	none	none	
I HEREBY CERTIFY THAT TO IS TRUE AND ACCURATE AN CHRIS D. ELLIOTT				ACT SPECI		
NAME		SIGNATUR	'/', / '		•	DATE

SAMPLE RESULT(S) SUMMARY

Trailer Park Grounds, Floyd Bennett Field, New York, UST #32 (TP32)

Field Sample No.:

TP32-001 TP32-002 TP32-003 TP32-004 TP32-005

Date:

4/11/95 4/11/95 4/11/95 4/11/95 -

Depth (Ft.):

5.0 3.5 3.5' 4.5 4.0'

Volatile Organic Compounds (VOAs), EPA Method 8021, (ppb)

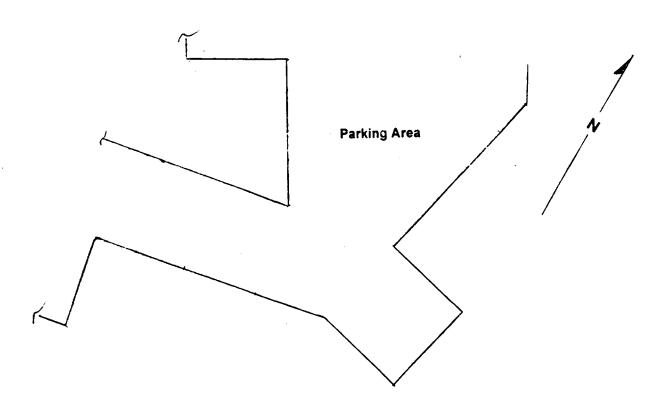
	uidance ilue, (ppb)					
Benzene	14	U	U	υ	U	U
Toluene	100	U	U	U	U	U
Ethylbenzene	100	U	U	U	U	U
m-p Xylenes	100	U	U	U	U	U
o-Xylene	100	U	U	U	U	U
Isopropylbenzene	100	U	U	U	U	U
n-Propylbenzene	100	U	U	U	U	U
p-Isopropyttoluene	100	U	U	U	U	U
1,3,5-Trimethylbenzene	100	U	U	U	U	U
1,2,4-Trimethylbenzene	100	U	U	U	U	U
t-butylbenzene	100	U	U	U	U	U
Methyl-t-butylether	100	υ	U	U	Ü	U
sec-Butylbenzene	100	U	U	U	U	U
n-Butylbenzene	100	U	U	U	U	U
Napthalene (8021)	200	49 J	U	U	U	U

Poly-Aromatic Hydrocarbons (PAHs), EPA Method 8270, (ppb)

Acenapthene	400	190 J	U	U	U	U
Fluorene	1000	200	U	U	U	U
Phenanthrene	1000	1300 J	130 J	150 J	U	U
Anthracene	1000	410	45 J	U	U	U
Fluoranthene	1000	1300	260 J	260 J	53 J	36 J
Pyrene	1000	1100	330 J	280 J	49 J	60 J
Benzo(a)anthracene	.04*	510	130 J	120 J	U	U
Chrysene	.04*	650	220 J	180 J	U	U
Benzo(b)fluoranthene	.04*	560	140 J	130 J	U	U
Benzo(k)fluoranthene	.04*	300 J	140 J	120 J	U	U
Benzo(a)pyrene	.04*	470	160 J	130 J	Ų	46 J
Indeno(1,2,3-cd)pyrene	.04*	270 J	100 J	81 J	U	U
Dibenz(a,h)anthracene	1000	150 J	54 J	46 J	U	U
Benzo(g,h,i)perylene	.04*	280 J	120 J	91 J	U	U

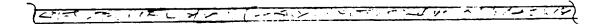
^{*} Detection limit for these compounds is 330 ppb in the best of cases.

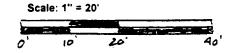
For the purpose of this summary, in the VOA section, U means less than 1 ppb, and; in the PAH section, U means less than 360 ppb.





Samp #	Field ID #	Depth (ft)
1	TP032-001	5
2	TP032-002	4
3	TP032-003	3.5
4	TP032-004	3.5
5	TP032-005	4.5





DEFENSE ENVIRONMENTAL RESTORATION FUND

Removal of Storage Tanks, etc. USACE Project #94-C-0037

GATEWAY NATIONAL RECREATION AREA FLOYD BENNETT FIELD Brooklyn, NY

UST CLOSURE
TANK AND SAMPLE LOCATIONS
UST #TP32

CLEANING UP THE ENVIRONMENT (C.U.T.E.) 103 GODWIN AVENUE SUITE 237 MIDLAND PARK, NEW JERSEY 07432 (201)427-2881

UST CLOSURE REPORT - TP33

PAGE 1 OF 3

CS.

Contract Number: DACA51-94-C-0007 .

Title: Removal Of Storage Tanks,

Transformers & Miscellaneous, Various Locations, New York

Tank Number: TP33

Tank Size (Gallons): 275

Tank Dimensions: 3' X 5'

Volume In Tank (Gallons): 100

Tarik Size (Galloris). 275

Product(s) Contained: #2 Fuel Oil
Date Removed: 10 APR 1995

Site Location:

Floyd Bennett Field, Brooklyn, New York

SITE HISTORY:

- 1. Tank/pipe design Single-layer steel; No monitoring devices present.
- 2. Age of equipment 30+ years.
- 3. History of Spills None.
- 4. Past analytical Results None.
- 5. Well records None.
- 6. Drinking water wells in vicinity None.
- 7. Potentially affected areas None.

FIELD OBSERVATIONS:

- Tank and/or pipe Excavation No visually contaminated soil observed in excavation.
- 2. Depth of stained, discolored and/or contaminated soil N/A.
- 3. Sheen None.
- 4. Noticeable leaks in pipe joints None.

PAGE 2 OF 3

Trailer Park Grounds, Floyd Bennett Field, New York, UST #33 (TP33)

- 5. Localized areas of corrosion None.
- 6. Holes or pits in tanks and/or pipes None.
- 7. Noticeable odors before, during, and/or after tank excavations None.
- 8. Groundwater encountered? Depth to groundwater? Volume removed from excavation? None encountered.
- 9. Free product on groundwater? Thickness? None.

FIELD MEASUREMENTS AND ANALYSIS:

- 1. Which field instruments were used? HNU-PID.
- 2. Tank removed.

What were the readings from any areas of visual contamination? N/A.

What were the results from headspace analysis taken from the sidewall, bottom of the excavation, and below the bottom of the excavation? 0 PPM.

- **3. Piping removed -** All piping removed. Only copper feed & return lines found and removed.
- 5. Soil samples; locations; results:*
 - * See soil sample location map included with Field Log, immediately after page (3) of this report.
- 6. Groundwater samples NA.

LAB MEASUREMENTS AND ANALYSIS:

All laboratory results are listed on sample location map(s). Copies of complete analyses have been submitted under separate cover.

1. Sample collector - Chris D. Elliott.

PAGE 3 OF 3

Trailer Park Grounds, Floyd Bennett Field, New York, UST #33 (TP33)

- 2. Laboratory methods used for determination of soil contamination EPA Method 8021 for Volatile Organic(s)(VOAs); EPA Method 8270 for Poly-Aromatic Hydrocarben(s)(PAHs).
- 3. Total amount of contaminated soil removed for disposal None.
- 4. Method of disposal N/A.

Disposal facility - N/A.

- 5. Fill source No off-site fill material was used.
- 6. Results of analysis of on-site material used for backfill Clean, sample results included with analytical reports from samples taken beneath USTs.
- 7. Further action required? No.
- **8.** Area restored? Yes, backfilled with clean sand, compacted and graded.

CONTRACTOR'S CERTIFICATION: I hereby certify that to the best of my knowledge and belief that all information presented here is correct and accurate.

Name: Christopher D. Elliott

Signature:

Representing: Cleaning Up The Environment (C.U.T.E.), Midland Park, New

Jersey

Date Report Prepared: 30 JUN 1995

C.U.T.E.
FIELD SAMPLE LOG

UST TP33

		·
1.	CONTRACT #: 94-C-0037	2. SITE NAME/LOCATION: Floyd Bennett Field, Brooklyn, NY
3.	SAMPLER/AFFILIATION:	CHRIS D. ELLIOTT/TRI-GEM BUILDERS
4.	PERSONNEL ON-SITE:	CLEANING UP THE ENVIRONMENT

SAMPLE NUMBER	TP33-001	TP33-002	TP33-003	TP33-004	TP33-005	
SAMPLE DATE	4/12/95	4/12/95	4/12/95	4/12/95	4/12/95	
TIME OF COLLECTION	1105	1106	1107	1108	1109	
SAMPLE TYPE (G OR C)*	G	G	G	G	G	
SAMPLE DEPTH	5'	4'6"	4'6"	4'6"	4'6"	
PRESERVATIVES USED	NA	NA	NA	NA	NA	
DATA COLLECTED (HNU)	0 ppm	0 ppm	0 ppm	0 ppm	0 ppm	
HNU METER CAL.(?)	YES	YES	YES	YES	YES	
ANALYSIS REQUIRED	8021 8270					
SAMPLE DESCRIPTION	Sand, little	silt		<u>. </u>	<u></u>	
COLOR	tan	tan	tan	tan	tan	
SOIL TEXTURE	Dry and gr	i anular				
MOTTLES	none	none	none	none	none	
WEATHER	Showers, 4	15 D F		<u> </u>	<u> </u>	
GROUNDWATER PRESENT	No ground	water prese	nt			
ODORS	none	none	none	none	none	
I HEREBY CERTIFY THAT TO IS TRUE AND ACCURATE AND						S :
CHRIS D. ELLIOTT		1 hus	7,7,00	4		6/23/95
NAME	<u> </u>	SIGNATUI	RE (DATE

SAMPLE RESULT(S) SUMMARY

Trailer Park Grounds, Floyd Bennett Field, New York, UST #33 (TP33)

Field Sample No.:

TP33-001 TP33-002 TP33-003 TP33-004 TP33-005

Date:

4/12/95 4/12/95 4/12/95 4/12/95

Depth (Ft.):

5.0 4.5 4.5 4.5 4.5'

Volatile Organic Compounds (VOAs), EPA Method 8021, (ppb)

Guidance Value, (ppb)

Benzene	14	U	U	U	U	U
Toluene	100	U	U	U	U	U
Ethylbenzene	100	U	U	U	U	U
m-p Xylenes	100	U	υ	U	υ	U
o-Xylene	100	U	U	U	U	U
Isopropyibenzene	100	U	U	U	U	U
n-Propylbenzene	100	U	U	U	U	U
p-Isopropyttoluene	100	U	U	U	U	U
1,3,5-Trimethylbenzene	100	U	U	U	U	U
1,2,4-Trimethylbenzene	100	U	Ŭ	U	Ü	U
t-butylbenzene	100	U	U	U	U	U
Methyl-t-butylether	100	U	U	U	U	U
sec-Butylbenzene	100	U	U	U	U	U
n-Butylbenzene	100	υ	U	U	U	U
Napthalene (8021)	200	υ	U	U	U	U

Poly-Aromatic Hydrocarbons (PAHs), EPA Method 8270, (ppb)

Acenapthene	400	U	U	U	42 J	U
Fluorene	1000	U	U	U	U	U
Phenanthrene	1000	74 J	240 J	100 J	290 J	120 J
Anthracene	1000	U	48 J	U	74 J	U
Fluoranthene	1000	140 J	280 J	180 J	390	220 J
Pyrene	1000	160 J	360 J	220 J	360	270 J
Benzo(a)anthracene	.04*	U	140 J	86 J	170 J	110 J
Chrysene	.04*	100 J	190 J	120 J	200 J	150 J
Benzo(b)fluoranthene	.04*	83 J	130 J	97 J	130 J	120 J
Benzo(k)fluoranthene	.04*	65 J	99 J	ೞ್ರ	170 J	120 J
Benzo(a)pyrene	.04*	76 J	150 J	93 J	160 J	110 J
Indeno(1,2,3-cd)pyrene	.04*	50 J	84 J	57 J	98 J	⊛ J
Dibenz(a,h)anthracene	1000	U	53 J	U	57 J	บ
Benzo(g,h,i)perylene	.04*	55 J	95 J	ಟ	100 J	77 J

^{*} Detection limit for these compounds is 330 ppb in the best of cases.

For the purpose of this summary, in the VOA section, U means less than 1 ppb, and; in the PAH section, U means less than 360 ppb.

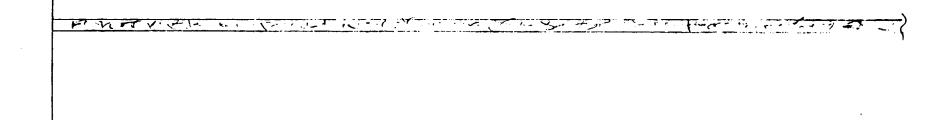
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Samp #	Field ID #	Depth (ft)
1	TP033-001	5
2	TP033-002	4.5
3	TP033-003	4.5
4	TP033-004	4.5
5	TP033-005	4.5







DEFENSE ENVIRONMENTAL RESTORATION FUND

Removal of Storage Tanks, etc. USACE Project #94-C-0037

GATEWAY NATIONAL RECREATION AREA FLOYD BENNETT FIELD Brooklyn, NY

UST CLOSURE
TANK AND SAMPLE LOCATIONS
UST #TP33

CLEANING UP THE ENVIRONMENT (C.U.T.E.) 103 GODWIN AVENUE SUITE 237 MIDLAND PARK, NEW JERSEY 07432 (201)427-2881

UST CLOSURE REPORT - TP34

PAGE 1 OF 3

Contract Number: DACA51-94-८-ळा?

Title: Removal Of Storage Tanks,

Transformers & Miscellaneous, Various Locations, New York

Tank Number: **TP34** Tank Size (Gallons): 275

Tank Dimensions: 3' X 5' Volume In Tank (Gallons): 275 Product(s) Contained: #2 Fuel Oil

Date Removed: 11 APR 1995

Site Location: Floyd Bennett Field, Brooklyn, New York

SITE HISTORY:

- 1. Tank/pipe design - Single-layer steel; No monitoring devices present.
- Age of equipment 30+ years. 2.
- 3. History of Spills - None.
- 4. Past analytical Results - None.
- 5. Well records - None.
- 6. **Drinking water wells in vicinity - None.**
- 7. Potentially affected areas - None.

FIELD OBSERVATIONS:

- 1. Tank and/or pipe Excavation - No visually contaminated soil observed in excavation.
- 2. Depth of stained, discolored and/or contaminated soil - N/A.
- 3. Sheen - None
- 4. Noticeable leaks in pipe joints - None.

PAGE 2 OF 3

Trailer Park Grounds, Floyd Bennett Field, New York, UST #34 (TP34)

- 5. Localized areas of corrosion None
- 6. Holes or pits in tanks and/or pipes None.
- Noticeable odors before, during, and/or after tank excavations -None.
- 8. Groundwater encountered? Depth to groundwater? Volume removed from excavation? None encountered.
- **9.** Free product on groundwater? Thickness? None.

FIELD MEASUREMENTS AND ANALYSIS:

- 1. Which field instruments were used? HNU-PID.
- Tank removed.
 What were the readings from any areas of visual contamination? N/A.

What were the results from headspace analysis taken from the sidewall, bottom of the excavation, and below the bottom of the excavation? 0 PPM

- 3. **Piping removed -** All piping removed. Only copper feed & return lines found and removed
- 5. Soil samples; locations; results:*
 - * See soil sample location map included with Field Log, immediately after page (3) of this report.
- 6. Groundwater samples NA.

LAB MEASUREMENTS AND ANALYSIS:

All laboratory results are listed on sample location map(s). Copies of complete analyses have been submitted under separate cover.

1. Sample collector - Chris D. Elliott.

PAGE 3 OF 3

Trailer Park Grounds, Floyd Bennett Field, New York, UST #34 (TP34)

- 2. Laboratory methods used for determination of soil contamination EPA Method 8021 for Volatile Organic(s)(VOAs); EPA Method 8270 for Poly-Aromatic Hydrocarbon(s)(PAHs).
- 3. Total amount of contaminated soil removed for disposal None.
- 4. Method of disposal N/A.

Disposal facility - N/A.

- 5. Fill source No off-site fill material was used.
- Results of analysis of on-site material used for backfill Clean, sample results included with analytical reports from samples taken beneath USTs.
- 7. Further action required? No.
- 8. Area restored? Yes, backfilled with clean sand, compacted and graded.

CONTRACTOR'S CERTIFICATION: I hereby certify that to the best of my knowledge and belief that all information presented here is correct and accurate.

Name: Christopher D. Elliott

Signature:

Representing: Cleaning Up The Environment (C.U.T.E.), Midland Park, New

Jersey

Date Report Prepared: 30 JUN 1995

C.U.T.E. FIELD SAMPLE LOG

UST TP34

1.	CONTRACT #: 94-C	-0037 2. SITE NAME/L	OCATION: Floyd Bennett Field, Brook	dyn, NY
3.	SAMPLER/AFFILIATI	ION: CHRIS D. ELLIOTT	/TRI-GEM BUILDERS	
4.	PERSONNEL ON-SIT	TE: CLEANING UP	THE ENVIRONMENT	
				
Т				_

SAMPLE NUMBER	TP34-001	TP34-002	TP34-003	TP34-004	TP34-005	
SAMPLE DATE	4/12/95	4/12/95	4/12/95	4/12/95	4/12/95	
TIME OF COLLECTION	1124	1125	1126	1127	1128	
SAMPLE TYPE (G OR C)*	G	G	G	G	G	
SAMPLE DEPTH	4'	3'	3'	3'	3'	
PRESERVATIVES USED	NA	NA	NA	NA	NA	
DATA COLLECTED (HNU)	0 ppm	0 ppm	0 ppm	0 ppm	0 ppm	
HNU METER CAL.(?)	YES	YES	YES	YES	YES	
ANALYSIS REQUIRED	8021 8270	,	8021 8270	,	8021 8270	
SAMPLE DESCRIPTION	Sand, little	silt	L		·	
COLOR	tan	tan	tan	tan	tan	
SOIL TEXTURE	Dry and gr	anular	L	L.,	<u> </u>	<u> </u>
MOTTLES	none	none	none	none	none	
WEATHER	Cloudy, 45	DF	1			
GROUNDWATER PRESENT	No ground	water prese	nt	 	· · · · · · · · · · · · · · · · · · ·	
ODORS	none	none	none	none	none	
I HEREBY CERTIFY THAT TO T IS TRUE AND ACCURATE AND CHRIS D. ELLIOTT		IANCE WIT	H CONTRA		FICATIONS	6/23/95
NAME		SIGNATUR	RE C			DATE

SAMPLE RESULT(S) SUMMARY

Trailer Park Grounds, Floyd Bennett Field, New York, UST #34 (TP34)

Field Sample No.:

TP34-001 TP34-002 TP34-003 TP34-004 TP34-005 4/12/95 4/12/95 4/12/95 4/12/95

Date:

Depth (Ft.):

3.0'

Volatile Organic Compounds (VOAs), EPA Method 8021, (ppb)

Guida	nce
Value,	(ppb)

Benzene	14	U	U	υ	U	U
Toluene	100	U	U	. U	U	U
Ethylbenzene	100	U	U	U	U	U
m-p Xylenes	100	U	U	U	U	U
o-Xylene	100	U	U	U	U	U
Isopropylbenzene	100	U	U	U	U	U
n-Propylbenzene	100	U	U	U	U	U
p-Isopropyttoluene	100	U	U	U	U	U
1,3,5-Trimethylbenzene	100	U	U	U	U	U
1,2,4-Trimethylbenzene	100	U	U	U	U	U
t-butylbenzene	100 .	U	U	U	U	U
Methyl-t-butylether	100	U	U	U	U	U
sec-Butylbenzene	100	U	U	U	U	U
n-Butylbenzene	100	U	U	U	U	U
Napthalene (8021)	200	U	U	U	U	U

Poly-Aromatic Hydrocarbons (PAHs), EPA Method 8270, (ppb)

Acenapthene	40 0	U	U	U	U	U
Fluorene	1000	U	U	U	U	U
Phenanthrene	1000	U	80 J	U	79 J	U
Anthracene	1000	U	U	U	U	U
Fluoranthene	1000	55 J	120 J	U	120 J	53 J
Pyrene	1000	6 6 J	1 3 0 J	U	160 J	58 J
Benzo(a)anthracene	.04*	U	54 J	U	63 J	U
Chrysene	.04*	U	65 J	U	87 J	U
Benzo(b)fluoranthene	.04*	υ	57 J	U	61 J	U
Benzo(k)fluoranthene	.04*	U	45 J .	U	51 J	U
Benzo(a)pyrene	.04*	U	51 J	U	64 J	U
Indeno(1,2,3-cd)pyrene	.04*	U	U	U	U	U
Dibenz(a,h)anthracene	1000	U	U	U	U	U
Benzo(g,h,i)perylene	.04*	U	U	U	44 J	υ

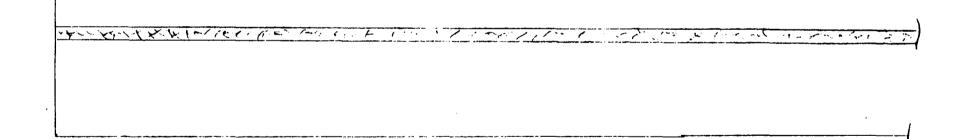
^{*} Detection limit for these compounds is 330 ppb in the best of cases.

For the purpose of this summary, in the VOA section, U means less than 1 ppb, and; in the PAH section, U means less than 360 ppb.

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Samp #	Field ID#	Depth (ft)
11	TP034-001	4
2	TP034-002	3
3	TP034-003	3
4	TP034-004	3
5	TP034-005	3







DEFENSE ENVIRONMENTAL RESTORATION FUND

Removal of Storage Tanks, etc.
USACE Project #94-C-0037

GATEWAY NATIONAL RECREATION AREA FLOYD BENNETT FIELD Brooklyn, NY

UST CLOSURE
TANK AND SAMPLE LOCATIONS
UST #TP34

CLEANING UP THE ENVIRONMENT (C.U.T.E.) 103 GODWIN AVENUE SUITE 237 MIDLAND PARK, NEW JERSEY 07432 (201)427-2881

UST CLOSURE REPORT - TP35

PAGE 1 OF 3

Contract Number: DACA51-94-C-0087. Title: Removal Of Storage Tanks,

Transformers & Miscellaneous, Various Locations, New York

Tank Number:

TP35

Tank Size (Gallons): 275

Tank Dimensions:

3' X 5'

Product(s) Contained: #2 Fuel Oil

Date Removed: 11 APR 1995

Site Location: Floyd Bennett Field, Brooklyn, New York

SITE HISTORY:

- 1. Tank/pipe design - Single-layer steel; No monitoring devices present.
- 2. Age of equipment - 30+ years.
- 3. History of Spills - None.

Volume In Tank (Gallons): 150

- 4. Past analytical Results - None.
- 5. Well records - None.
- 6. **Drinking water wells in vicinity - None.**
- 7. Potentially affected areas - None.

FIELD OBSERVATIONS:

- 1. Tank and/or pipe Excavation - No visually contaminated soil observed in excavation.
- 2. Depth of stained, discolored and/or contaminated soil - N/A.
- 3. Sheen - None.
- 4. Noticeable leaks in pipe joints - None.

PAGE 2 OF 3

Trailer Park Grounds, Floyd Bennett Field, New York, UST #35 (TP35)

- 5. Localized areas of corrosion None.
- 6. Holes or pits in tanks and/or pipes None.
- 7. Noticeable odors before, during, and/or after tank excavations None.
- 8. Groundwater encountered? Depth to groundwater? Volume removed from excavation? None encountered.
- 9. Free product on groundwater? Thickness? None.

FIELD MEASUREMENTS AND ANALYSIS:

- 1. Which field instruments were used? HNU-PID.
- 2. Tank removed.

What were the readings from any areas of visual contamination? N/A.

What were the results from headspace analysis taken from the sidewall, bottom of the excavation, and below the bottom of the excavation? 0 PPM

- **3. Piping removed -** All piping removed. Only copper feed & return lines found and removed.
- 5. Soil samples; locations; results:*
 - * See soil sample location map included with Field Log, immediately after page (3) of this report.
- 6. Groundwater samples NA.

LAB MEASUREMENTS AND ANALYSIS:

All laboratory results are listed on sample location map(s). Copies of complete analyses have been submitted under separate cover.

1. Sample collector - Chris D. Elliott.

PAGE 3 OF 3

Trailer Park Grounds, Floyd Bennett Field, New York, UST #35 (TP35)

- 2. Laboratory methods used for determination of soil contamination EPA Method 8021 for Volatile Organic(s)(VOAs); EPA Method 8270 for Poly-Aromatic Hydrocarbon(s)(PAHs).
- 3. Total amount of contaminated soil removed for disposal None.
- 4. Method of disposal N/A.

Disposal facility - N/A.

- 5. Fill source No off-site fill material was used.
- **6.** Results of analysis of on-site material used for backfill Clean, sample results included with analytical reports from samples taken beneath USTs.
- 7. Further action required? No.
- 8. Area restored? Yes, backfilled with clean sand, compacted and graded.

CONTRACTOR'S CERTIFICATION: I hereby certify that to the best of my knowledge and belief that all information presented here is correct and accurate.

Name: Christopher D. Elliott

Signature:

Representing: Cleaning Up The Environment (C.U.T.E.), Midland Park, New

Jersey

Date Report Prepared: 30 JUN 1995

C.U.T.E. FIELD SAMPLE LOG

UST TP35

1. CONTRACT #: 94-C-003	7 2. SITE NAME/LOCATION: Floyd Bennett Field, Brooklyn, NY
3. SAMPLER/AFFILIATION:	CHRIS D. ELLIOTT/TRI-GEM BUILDERS
4. PERSONNEL ON-SITE:	CLEANING UP THE ENVIRONMENT

SAMPLE NUMBER	TP36-001	TP35-002	TP36-003	TP35-004	TP35-005		
SAMPLE DATE	4/11/95	4/11/95	4/11/95	4/11/95	4/11/95		
TIME OF COLLECTION	1515	1516	1517	1518	1519		
SAMPLE TYPE (G OR C)*	G	G	G	G	G		
SAMPLE DEPTH	5'	3'	3'	3'	3'		
PRESERVATIVES USED	NA	NA	NA	NA	NA		
DATA COLLECTED (HNU)	0 ppm	0 ppm	0 ppm	0 ppm	0 ppm	-	
HNU METER CAL.(?)	YES	YES	YES	YES	YES		
ANALYSIS REQUIRED	8021 8270			8021 8270	8021 8270		
SAMPLE DESCRIPTION	Sand, little	silt	<u> </u>				
COLOR	tan	tan	tan	tan	tan		
SOIL TEXTURE	Dry and gr	anular	<u> </u>	L	l		
MOTTLES	none	none	none	none	none		
WEATHER	Sunny, 55	DF	I	<u> </u>	<u>.</u>	,	
GROUNDWATER PRESENT	No ground	No groundwater present					
ODORS	none	none	none	none	none		
I HEREBY CERTIFY THAT TO IS TRUE AND ACCURATE ANI CHRIS D. ELLIOTT			H CONTRA	ACT SPECI			
NAME		SIGNATUR	<u>5/) .)(lu</u> RE (DATE	

SAMPLE RESULT(S) SUMMARY

Trailer Park Grounds, Floyd Bennett Field, New York, UST #35 (TP35)

Field Sample No.:

TP35-001 TP35-002 TP35-003 TP35-004 TP35-005

Date:

4/11/95 4/11/95 4/11/95 4/11/95 3.0' 3.0'

Depth (Ft.):

3.0'

Volatile Organic Compounds (VOAs), EPA Method 8021, (ppb)

Guida	nce
Value,	(ppb)

Benzene	14	U	U	U	U	U
Toluene	100	U	.83	U	U	U
Ethylbenzene	100	U	U	U	U	U
m-p Xylenes	100	U	U	U	U	U
o-Xylene	100	U	U	U	U	U
Isopropylbenzene	100	U	U	U	U	U
n-Propylbenzene	100	U	U	U	U	U
p-Isopropyttoluene	100	U	U	U	Ų	U
1,3,5-Trimethylbenzene	100	U	U	U	U	U
1,2,4-Trimethylbenzene	100	U	U	U	U	U
t-butylbenzene	100	U	U	U	U	U
Methyl-t-butylether	100	U	U	U	U	U
sec-Butylbenzene	100	U	บ	U	U	U
n-Butylbenzene	100	υ	U -	υ	U	U
Napthalene (8021)	200	U	U	U	υ	U

Poly-Aromatic Hydrocarbons (PAHs), EPA Method 8270, (ppb)

Acenapthene	400	U	U	U	U	U
Fluorene	1000	U	U	U	U	U
Phenanthrene	1000	78 J	200 J	46 J	U	U
Anthracene	1000	U	39 J	U	U	U
Fluoranthene	1000	100 J	280 J	80 J	55 J	49 J
Pyrene	1000	130 J	330 J	83 J	77 J	60 J
Benzo(a)anthracene	.04*	61 J	140 J	41 J	35 J	U
Chrysene	.04*	72 J	170 J	51 J	44 J	U
Benzo(b)fluoranthene	.04*	68 J	130 J	U	U	U
Benzo(k)fluoranthene	.04*	43 J	45 J	U	U	U
Benzo(a)pyrene	.04*	56 J	140 J	39 J	3 6 J	U
Indeno(1,2,3-cd)pyrene	.04*	3 6 J	81 J	U	U	U
Dibenz(a,h)anthracene	1000	U	45 J	U	U	U
Benzo(g,h,i)perylene	.04*	42 J	92 J	U	U	U

^{*} Detection limit for these compounds is 330 ppb in the best of cases.

For the purpose of this summary, in the VOA section, U means less than 1 ppb, and; in the PAH section, U means less than 360 ppb.





Samp #	Field ID #	Depth (ft)		
1	TP035-001	5		
2	TP035-002	3		
3	TP035-003	3		
4	TP035-004	3		
5	TP035-005	3		



DEFENSE ENVIRONMENTAL RESTORATION FUND

Removal of Storage Tanks, etc. USACE Project #94-C-0037

GATEWAY NATIONAL RECREATION AREA FLOYD BENNETT FIELD Brooklyn, NY

UST CLOSURE
TANK AND SAMPLE LOCATIONS
UST #TP35

CLEANING UP THE ENVIRONMENT (C.U.T.E.) 103 GODWIN AVENUE SUITE 237 MIDLAND PARK, NEW JERSEY 07432 (201)427-2881

UST CLOSURE REPORT - NOA1

PAGE 1 OF 3

DACA51-94-C-0037 Contract Number:

Title: Removal Of Storage Tanks,

Transformers & Miscellaneous, Various Locations, New York

Tank Number: NOA1 Tank Size (Gallons):

Tank Dimensions:

3'x5'

Product(s) Contained: Gasoline

Volume In Tank (Gallons): 25

Date Removed: 11 APR 1995

Site Location:

Floyd Bennett Field, Brooklyn, New York

SITE HISTORY:

- 1. Tank/pipe design - Single-layer steel; No monitoring devices present.
- 2. Age of equipment - 30+ years.
- 3. History of Spills - None.
- 4. Past analytical Results - None.
- 5. Well records - None.
- 6. **Drinking water wells in vicinity - None.**
- 7. Potentially affected areas - None.

FIELD OBSERVATIONS:

- 1. Tank and/or pipe Excavation - No visually contaminated soil observed in excavation.
- 2. Depth of stained, discolored and/or contaminated soil - N/A.
- 3. Sheen - None.
- 4. Noticeable leaks in pipe joints - None.

PAGE 2 OF 3

NOA Area, Floyd Bennett Field, New York, UST #1 (NOA1)

- 5. Localized areas of corrosion None.
- 6. Holes or pits in tanks and/or pipes None.
- 7. Noticeable odors before, during, and/or after tank excavations None.
- 8. Groundwater encountered? Depth to groundwater? Volume removed from excavation? None encountered.
- 9. Free product on groundwater? Thickness? None.

FIELD MEASUREMENTS AND ANALYSIS:

- 1. Which field instruments were used? HNU-PID.
- 2. Tank removed.
 What were the readings from any areas of visual contamination? N/A.

What were the results from headspace analysis taken from the sidewall, bottom of the excavation, and below the bottom of the excavation? 0 PPM

- **3. Piping removed -** All piping removed. Only copper lines used for feed & return were discovered.
- 5. Soil samples; locations; results:*
 - * See soil sample location map included with Field Log, immediately after page (3) of this report.
- 6. Groundwater samples NA.

LAB MEASUREMENTS AND ANALYSIS:

All laboratory results are listed on sample location map(s). Copies of complete analyses have been submitted under separate cover.

1. Sample collector - Chris D. Elliott.

PAGE 3 OF 3

NOA Area, Floyd Bennett Field, New York, UST #1 (NOA1)

- 2. Laboratory methods used for determination of soil contamination EPA Method 8021 for Volatile Organic(s)(VOAs).
- 3. Total amount of contaminated soil removed for disposal None.
- 4. Method of disposal N/A.

Disposal facility - N/A.

- 5. Fill source No off-site fill material was used.
- Results of analysis of on-site material used for backfill Clean, sample results included with analytical reports from samples taken beneath USTs.
- 7. Further action required? No.
- 8. Area restored? Yes, backfilled with clean sand, compacted and graded.

CONTRACTOR'S CERTIFICATION: I hereby certify that to the best of my knowledge and belief that all information presented here is correct and accurate.

Name: Christopher D. Elliott

Signature: (hustiphen). Sunos

Representing: Cleaning Up The Environment (C.U.T.E.), Midland Park, New

Jersey

Date Report Prepared: 30 JUN 1995

C.U.T.E. FIELD SAMPLE LOG

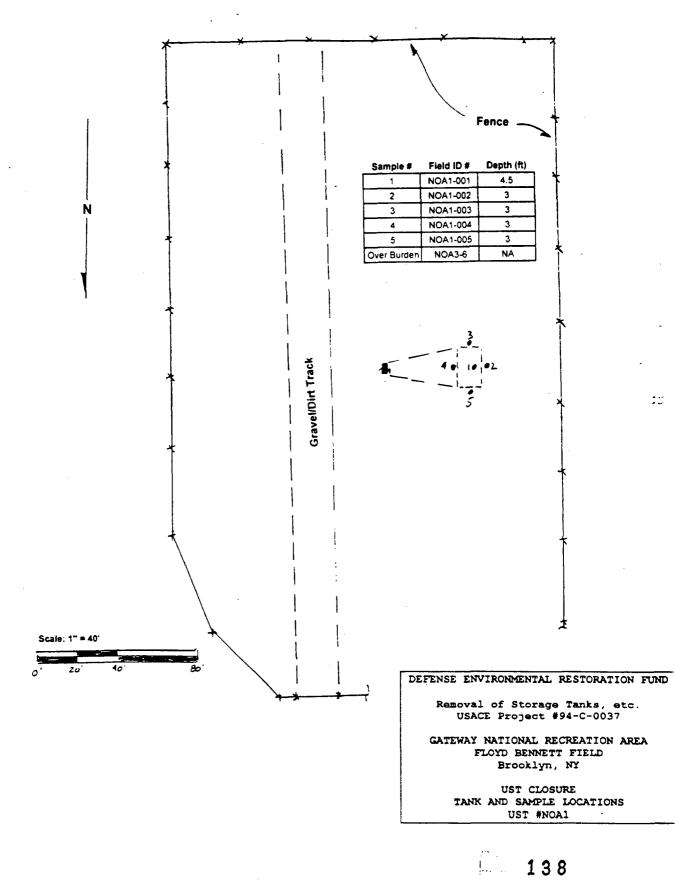
UST NOA1

1. CONTRACT #: 94-C-0037	2. SITE NAME/LOCATION: Floyd Bennett Field, Brooklyn, NY
3. SAMPLER/AFFILIATION:	CHRIS D. ELLIOTT/TRI-GEM BUILDERS
4. PERSONNEL ON-SITE:	CLEANING UP THE ENVIRONMENT

SAMPLE NUMBER	NOA1-001	NOA1-002	NOA1-003	NOA1-004	NOA1-005	See NOA3	
SAIVIFEE IVOIVIBER	NOAT-OOI	NOA1-002	NOA1-005	NOA1-004	NOAT-005	for over-	
SAMPLE DATE	4/7/95	4/7/95	4/7/95	4/7/95	4/7/95	burden sample	
TIME OF COLLECTION	920	921	922	923	924		
SAMPLE TYPE (G OR C)*	G	G	G	G	G		
SAMPLE DEPTH	4'6"	3'	3'	3'	3'		
PRESERVATIVES USED	NA	NA	NA	NA	NA		
DATA COLLECTED (HNU)	0 ppm	0 ppm	0 ppm	0 ppm	0 ppm		
HNU METER CAL.(?)	YES	YES	YES	YES	YES		
ANALYSIS REQUIRED	8021 8270		i		8021 8270		
SAMPLE DESCRIPTION	Sand, little	silt	<u></u>		<u>l</u>	<u> </u>	
COLOR	tan	tan	tan	tan	tan		
SOIL TEXTURE	Dry and gr	anular	<u> </u>		<u> </u>	<u> </u>	
MOTTLES	none	none	none	none	none		
WEATHER	Sunny, 55	Sunny, 55 D F					
GROUNDWATER PRESENT	No ground	No groundwater present					
ODORS	none	none	none	none	none		
I HEREBY CERTIFY THAT TO IS TRUE AND ACCURATE AN							
CHRIS D. ELLIOTT		_ (hu	50) Yill	_		6/23/9	
NAME		SIGNATU	RE C		=	DATE	

SAMPLE RESULTS SUMMARY - GASOLINE UST NOA1 - FLOYD BENNETT FIELD, BROOKLYN, NY

Field Sample No.:		NOA1-001	NOA1-002	NOA1-003	NOA1-004	NOA1-005
Lab Sample No.:		T504103-1	T504103-2	T504103-3	T504103-4	T504103-5
Date:		4/7/95	4/7/95	4/7/95	4/7/95	4/7/95
Depth(ft.):		4.5	3	3	3	3
Volatile Compounds, ppb				•		
	Guidance					
	Value (ppb)					
Benzene	14	U	U	ប	U	U
Toluene	100	1.9	6.2	IJ	3.9	2.1
Ethylbenzene	100	υ	1.3	U	1	U
m,p-Xylenes	100	υ	4.7	U	2.6	1.3
o-Xylenes	100	U	1.2	U	0.97	U
Isopropylbenzene	100	u	U	U	U	U
n-Propylbenzene	100	U	U	U	U	U
p-Isopropyltoluene	100	U	U	U	U	U
1,3,5-Trimethylbenzene	100	U	U	U	U	U
1,2,4-Trimethylbenzene	100	U	1.2	U	0.72	U
t-Butylbenzene	100	U	U	U	U	U
Methyl-t-butylether	100	บ	U	U	U	U
sec-Butylbenzene	100	U	U	U	U	U
n-Butylbenzene	100	U	U	U	· U	U
Naphthalene	200	U	U	U	U	U



CLEANING UP THE ENVIRONMENT (C.U.T.E.) 103 GODWIN AVENUE SUITE 237 MIDLAND PARK, NEW JERSEY 07432 (201)427-2881

UST CLOSURE REPORT - NOA2

PAGE 1 OF 3

CE

Contract Number: DACA51-94-C-089. Title: Removal Of Storage Tanks,

Transformers & Miscellaneous, Various Locations, New York

Tank Number: NOA2 Tank Size (Gallons): 275

Tank Dimensions: 3'x5' Product(s) Contained: Gasoline Volume In Tank (Gallons): 40 Date Removed: 11 APR 1995

Site Location: Floyd Bennett Field, Brooklyn, New York

SITE HISTORY:

1. Tank/pipe design - Single-layer steel; No monitoring devices present.

- 2. Age of equipment 30+ years.
- 3. History of Spills None.
- 4. Past analytical Results None.
- 5. Well records None.
- 6. Drinking water wells in vicinity None.
- 7. Potentially affected areas None.

FIELD OBSERVATIONS:

- 1. Tank and/or pipe Excavation No visually contaminated soil observed in excavation.
- 2. Depth of stained, discolored and/or contaminated soil N/A.
- 3. Sheen None.
- 4. Noticeable leaks in pipe joints None.

PAGE 2 OF 3

NOA Area, Floyd Bennett Field, New York, UST #2 (NOA2)

- 5. Localized areas of corrosion None.
- 6. Holes or pits in tanks and/or pipes None.
- 7. Noticeable odors before, during, and/or after tank excavations None.
- 8. Groundwater encountered? Depth to groundwater? Volume removed from excavation? None encountered.
- 9. Free product on groundwater? Thickness? None.

FIELD MEASUREMENTS AND ANALYSIS:

- 1. Which field instruments were used? HNU-PID.
- Tank removed.
 What were the readings from any areas of visual contamination? N/A.

What were the results from headspace analysis taken from the sidewall, bottom of the excavation, and below the bottom of the excavation? 0 PPM.

- **3. Piping removed -** All piping removed. Only copper lines used for feed & return were discovered.
- 5. Soil samples; locations; results:*
 - * See soil sample location map included with Field Log, immediately after page (3) of this report.
- 6. Groundwater samples NA.

LAB MEASUREMENTS AND ANALYSIS:

All laboratory results are listed on sample location map(s). Copies of complete analyses have been submitted under separate cover.

1. Sample collector - Chris D. Elliott.

PAGE 3 OF 3

NOA Area, Floyd Bennett Field, New York, UST #2 (NOA2)

- 2. Laboratory methods used for determination of soil contamination EPA Method 8021 for Volatile Organic(s)(VOAs).
- 3. Total amount of contaminated soil removed for disposal None.
- 4. Method of disposal N/A.

Disposal facility - N/A.

- 5. Fill source No off-site fill material was used.
- 6. Results of analysis of on-site material used for backfill Clean, sample results included with analytical reports from samples taken beneath USTs.
- 7. Further action required? No.
- 8. Area restored? Yes, backfilled with clean sand, compacted and graded.

CONTRACTOR'S CERTIFICATION: I hereby certify that to the best of my knowledge and belief that all information presented here is correct and accurate.

Name: Christopher D. Elliott

Signature: (hustopher) clast

Representing: Cleaning Up The Environment (C.U.T.E.), Midland Park, New

Jersey

Date Report Prepared: 30 JUN 1995

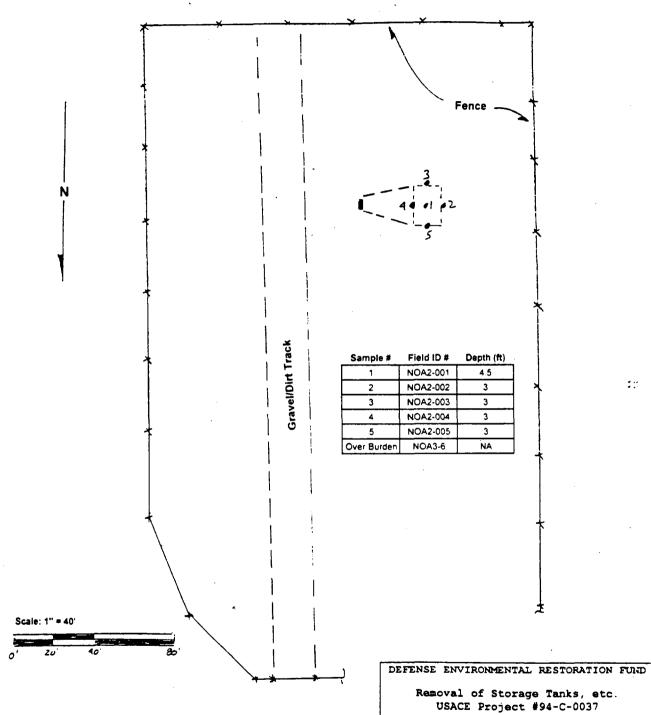
C.U.T.E.
FIELD SAMPLE LOG

UST NOA	٩ž
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SAMPLE NUMBER	NOA2-001	NOA2-002	NOA2-003	NOA2-004	NOA2-005	See NOA3 for over-
SAMPLE DATE	4/7/95	4/7/95	4/7/95	4/7/95	4/7/95	burden sample
TIME OF COLLECTION	1005	1006	1007	1008	1009	
SAMPLE TYPE (G OR C)*	G	G	G	G	G	
SAMPLE DEPTH	4'6"	3'	3'	3'	3'	
PRESERVATIVES USED	NA	NA	NA	NA	NA	
DATA COLLECTED (HNU)	0 ppm	0 ppm	0 ppm	0 ppm	0 ppm	
HNU METER CAL.(?)	YES	YES	YES	YES	YES	
ANALYSIS REQUIRED	8021 8270					I .
SAMPLE DESCRIPTION	Sand, little	silt	1	1	<u> </u>	<u> </u>
COLOR	tan	tan	tan	tan	tan	
SOIL TEXTURE	Dry and gr	anular	J.,	<u> </u>	<u> </u>	L
MOTTLES	none	none	none	none	none	
WEATHER	Sunny, 55 D F					
GROUNDWATER PRESENT	No groundwater present					
ODORS	none	none	none	none	none	
I HEREBY CERTIFY THAT TO IS TRUE AND ACCURATE AND						
CHRIS D. ELLIOTT		_ (Tu		With	_	6/23/95
NAME		SIGNATU	RE			DATE

SAMPLE RESULTS SUMMARY - GASOLINE UST NOA2 - FLOYD BENNETT FIELD, BROOKLYN, NY

Field Sample No.:		NOA2-001	NOA2-002	NOA2-003	NOA2-004	NOA2-005
Lab Sample No.:		T504103-6	T504103-7	T504103-8	T504103-9	T50410310
Date:		4/7/95	4/7/95	4/7/95	4/7/95	4/7/95
Depth(ft.):		4.5	3	3	3	3
Volatile Compounds, ppb						
	Guidance					
	Value (ppb)					
Benzene	14	υ.	1.7	U	U	υ
Toluene	100	U	24	U	20	25
Ethylbenzene	100	U	4.5	U	3.4	2.6
m,p-Xylenes	100	U	15	U	13	18
o-Xylenes	100	U	4.3	U	2.9	4.1
Isopropylbenzene	100	U	U	U	U	υ
n-Propylbenzene	100	U	υ	U	U	U
p-Isopropyltoluene	100	· U	U	U	υ	U
1,3,5-Trimethylbenzene	100	υ	1.1	U	0.81	0.85
1,2,4-Trimethylbenzene	100	U	3.7	U	3.2	3.8
t-Butylbenzene	100	U	U	U	U	U
Methyl-t-butylether	100	U	U	U	U	U
sec-Butylbenzene	100	U	U	U	U	U
n-Butylbenzene	100	U	U	U	U	U
Naphthalene	200	U	U	U	U	บ



GATEWAY NATIONAL RECREATION AREA FLOYD BENNETT FIELD Brooklyn, NY

> UST CLOSURE TANK AND SAMPLE LOCATIONS UST #NOA2

:::

UST CLOSURE REPORT - NOA3

PAGE 1 OF 3

DACA51-94-C-0037 Contract Number:

Title: Removal Of Storage Tanks,

Transformers & Miscellaneous, Various Locations, New York

Tank Number:

NO_A3

Tank Size (Gallons):

275

Tank Dimensions:

3'x5'

Product(s) Contained: #2 Fuel Oil

Volume In Tank (Gallons): Residual

Date Removed: 28 DEC 1995

Site Location:

Floyd Bennett Field, Brooklyn, New York

SITE HISTORY:

- 1. Tank/pipe design - Single-layer steel: No monitoring devices present.
- 2. Age of equipment - 30+ years.
- 3. History of Spills - None.
- 4. Past analytical Results - None.
- 5. Well records - None.
- 6. **Drinking water wells in vicinity - None.**
- 7. Potentially affected areas - None.

- Tank and/or pipe Excavation No visually contaminated soil observed 1. in excavation.
- 2. Depth of stained, discolored and/or contaminated soil - N/A.
- 3. Sheen - None.
- 4. Noticeable leaks in pipe joints - None.

PAGE 2 OF 3

NOA Area, Floyd Bennett Field, New York, UST #3 (NOA3)

- 5. Localized areas of corrosion None.
- 6. Holes or pits in tanks and/or pipes None.
- 7. Noticeable odors before, during, and/or after tank excavations None.
- 8. Groundwater encountered? Depth to groundwater? Volume removed from excavation? None encountered.
- 9. Free product on groundwater? Thickness? None.

FIELD MEASUREMENTS AND ANALYSIS:

- 1. Which field instruments were used? HNU-PID.
- 2. Tank removed.

What were the readings from any areas of visual contamination? N/A.

What were the results from headspace analysis taken from the sidewall, bottom of the excavation, and below the bottom of the excavation? 0 PPM.

- **3. Piping removed -** All piping removed. Only copper lines used for feed & return were discovered.
- 5. Soil samples; locations; results:*
 - * See soil sample location map included with Field Log, immediately after page (3) of this report.
- 6. Groundwater samples NA.

LAB MEASUREMENTS AND ANALYSIS:

All laboratory results are listed on sample location map(s). Copies of complete analyses have been submitted under separate cover.

1. Sample collector - Dave Beeman.

PAGE 3 OF 3

NOA Area, Floyd Bennett Field, New York, UST #3 (NOA3)

- 2. Laboratory methods used for determination of soil contamination -EPA Method 8021 for Volatile Organic(s)(VOAs); EPA Method 8270 for Poly-Aromatic Hydrocarbons (PAHs).
- 3. Total amount of contaminated soil removed for disposal - None.
- 4. Method of disposal - N/A.

Disposal facility - N/A.

- 5. Fill source - No off-site fill material was used.
- 6. Results of analysis of on-site material used for backfill - Clean, sample results included with analytical reports from samples taken beneath USTs.
- 7. Further action required? No.
- 8. Area restored? Yes, backfilled with clean sand, compacted and graded.

CONTRACTOR'S CERTIFICATION: I hereby certify that to the best of my knowledge and belief that all information presented here is correct and accurate.

Name: Christopher D. Elliott

Representing: Cleaning Up The Environment (C.U.T.E.), Midland Park, New

Jersey

Date Report Prepared: 20 FEB 1996

Report Prepared By: Dave Beeman of C.U.T.E.

C.U.T.E.
FIELD SAMPLE LOG

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-			14	•	-	

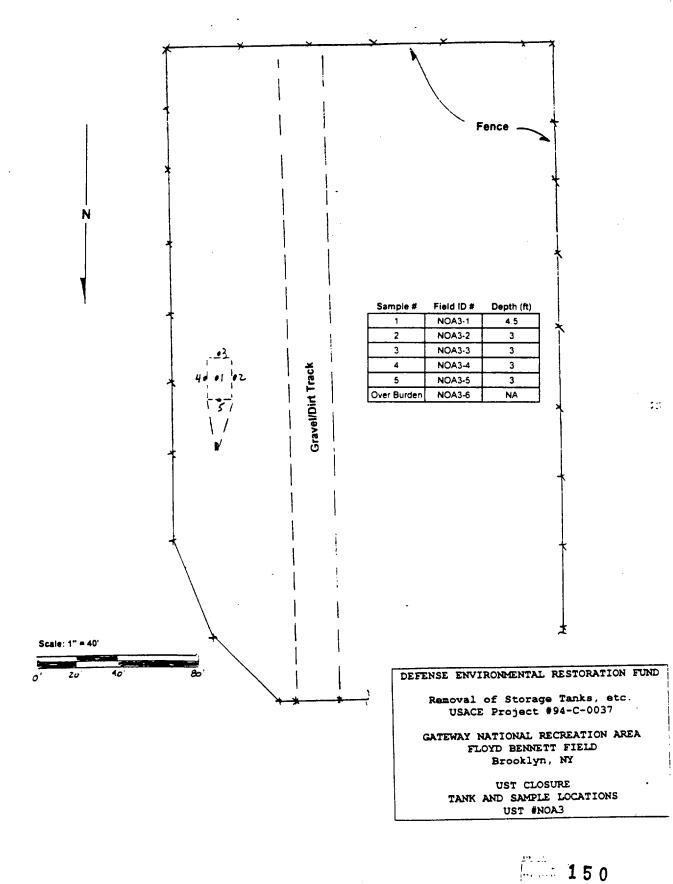
1. CONTRACT #: 94-C-0037	2. SITE NAME/LOCATION: Floyd Bennett Field, Brooklyn, NY
3. SAMPLER/AFFILIATION:	CHRIS D. ELLIOTT/TRI-GEM BUILDERS
4. PERSONNEL ON-SITE:	CLEANING UP THE ENVIRONMENT

SAMPLE NUMBER	NOA3-001	NOA3-002	NOA3-003	NOA3-004	NOA3-005	NOA3-006 OVER
SAMPLE DATE	1/17/96	1/17/96	1/17/96	1/17/96	1/17/96	1/17/96
TIME OF COLLECTION	1000	1005	1010	1015	1020	1025
SAMPLE TYPE (G OR C)*	G	G	G	G	G	С
SAMPLE DEPTH	4'6"	3'	3'	3'	3'	NA
PRESERVATIVES USED	NA	NA	NA	NA	NA	NA
DATA COLLECTED (HNU)	0 ppm	0 ppm	0 ppm	0 ppm	0 ppm	0 ppm
HNU METER CAL.(?)	YES	YES	YES	YES	YES	YES
ANALYSIS REQUIRED	8021 8270	1	1	1	1	1
SAMPLE DESCRIPTION	Sand, little	silt				
COLOR	tan	tan	tan	tan	tan	tan
SOIL TEXTURE	Dry and gr	anular		<u></u>	<u> </u>	<u> </u>
MOTTLES	none	none	none	none	none	none
WEATHER	Sunny, 45	DF	1			
GROUNDWATER PRESENT	No groundwater present					
ODORS	none	none	none	none	none	none
I HEREBY CERTIFY THAT TO IS TRUE AND ACCURATE AND CHRIS D. ELLIOTT			H CONTRA	ACT SPECI		3:
		, .	1). 2 Unt			2/20/96

SAMPLE RESULTS SUMMARY - HEATING OIL UST NOA3 - FLOYD BENNETT FIELD, BROOKLYN, NY

Table Tabl	Field Sample No.:		NOA3-1	NOA3-2	NOA3-3	NOA3-4	NOA3-5	NOA3-6
Depth(ft.):	Lab Sample No.:		T601187-1	T601187-2	T601187-3	T601187-4	T601187-5	T601187-
Volatile Compounds, ppb Suidance Value (ppb)	Date:		1/17/96	1/17/96	1/17/96 -	1/17/96	1/17/96	1/17/96
Senzene	Depth(ft.):		4.5	3	3	3	3	NA
Value (ppb)	Volatile Compounds, ppb							
Benzene		Guidance						
Toluene		Value (ppb)						
Ethylbenzene	Benzene	14	U	U	U	U	υ	U
m_p-Xylenes	Toluene	100	U	U	U	U	0.55	U
Semi-volatile Compounds, ppb Semi-volatile Compounds, ppd Semi-volatile Compounds, ppd	Ethylbenzene	100	0.54	U	U	U	U	U
Isopropylbenzene	m,p-Xylenes	100	U	U	U	U	U	U
n-Propylbenzene 100 U	o-Xylenes	100	U	U	U	U	U	U
P-isopropyltoluene	Isopropylbenzene	100	υ	U	U	U	U	U
1.3.5-Trimethylbenzene 100 U <td>n-Propylbenzene</td> <td>100</td> <td>U</td> <td>U</td> <td>U</td> <td>υ</td> <td>U</td> <td>บ</td>	n-Propylbenzene	100	U	U	U	υ	U	บ
1,2,4-Trimethylbenzene 100 U <td>p-Isopropyltoluene</td> <td>100</td> <td>U</td> <td>U</td> <td>U</td> <td>U</td> <td>U</td> <td>U</td>	p-Isopropyltoluene	100	U	U	U	U	U	U
1-Butylbenzene 100 U	1,3,5-Trimethylbenzene	100	U	U	U	U	U	U
Methyl-t-butylether 100 U	1,2,4-Trimethylbenzene	100	U	U	U	U	U	Ü
sec-Butylbenzene 100 U	t-Butylbenzene	100	U	U	U	U	υ	υ
Naphthalene 100	Methyl-t-butylether	100	U	U	U	U	U	U
Naphthalene 200 0.7 0.52 U U U U Semi-volatile Compounds, ppb V U </td <td>sec-Butylbenzene</td> <td>100</td> <td>U</td> <td>U</td> <td>U</td> <td>U</td> <td>U</td> <td>U</td>	sec-Butylbenzene	100	U	U	U	U	U	U
Naphthalene 200° U U U U U U U U U	n-Butylbenzene	100	U	U	U	U	U	U
Naphthalene 200° U	Naphthalene	200	0.7	0.52	U	U	U	U
Acenaphthene 400 U	Semi-volatile Compounds	, ppb						
Fluorene 1000 U <th< td=""><td>Naphthalene</td><td>200*</td><td>υ</td><td>U</td><td>U</td><td>U</td><td>U</td><td>U</td></th<>	Naphthalene	200*	υ	U	U	U	U	U
Phenanthrene 1000 U	Acenaphthene	400	U	U	U	U	U	U
Anthracene 1000 U <	Fluorene	1000	U	U	U	U	U	U
Fluoranthene 1000 U	Phenanthrene	1000	U	U	U	U	υ	U
Pyrene 1000 U	Anthracene	1000	U	U	U	U	U	U
Benzo(a)anthracene .04* U	Fluoranthene	1000	U	U	U	U	U	υ
Chrysene .04* U <th< td=""><td>Pyrene</td><td>1000</td><td>U</td><td>υ</td><td>υ</td><td>U .</td><td>υ</td><td>U</td></th<>	Pyrene	1000	U	υ	υ	U .	υ	U
Benzo(b)fluoranthene 1.04* U <td>Benzo(a)anthracene</td> <td>.04*</td> <td>U</td> <td>U</td> <td>U</td> <td>U</td> <td>U</td> <td>U</td>	Benzo(a)anthracene	.04*	U	U	U	U	U	U
Benzo(k)fluoranthene .04* U	Chrysene	.04*	U	U	U	U	U	U
Benzo(a)pyrene .04* U	Benzo(b)fluoranthene	.04*	U	U	U	U	U	U
Benzo(a)pyrene .04* U		.04*	U	U	U	U	U	U
Indeno(1,2,3-cd)pyrene .04* U <td></td> <td>.04*</td> <td>U</td> <td>U</td> <td>U</td> <td>U</td> <td>U</td> <td>U</td>		.04*	U	U	U	U	U	U
Dibenz(a,h)anthracene 1000 U U U U U U		.04*	U	υ	U	U	U	U
		- 1000	U	U	U			
		.04*	υ	U	U	U	U	U

^{*}Detection Limit is 330 ppb for semi-volatile compounds



UST CLOSURE REPORT - POL1

PAGE 1 OF 3

DACA51-94-C-0037 Contract Number: Title: Removal Of Storage Tanks,

Transformers & Miscellaneous, Various Locations, New York

Tank Number: POL₂ Tank Size (Gallons):

100

Tank Dimensions:

2'x4"3"

Product(s) Contained: Runoff

Volume In Tank (Gallons): 5

Date Removed: 15 DEC 1995

Site Location: Floyd Bennett Field, Brooklyn, New York

SITE HISTORY:

- 1. **Tank/pipe design -** Single-layer steel; No monitoring devices present.
- 2. Age of equipment - 30+ years.
- 3. History of Spills - None.
- 4. Past analytical Results - None.
- 5. Weil records - None.
- 6. **Drinking water wells in vicinity - None.**
- **7**. Potentially affected areas - None.

- 1. Tank and/or pipe Excavation - No visually contaminated soil observed in excavation.
- 2. Depth of stained, discolored and/or contaminated soil - N/A.
- 3. Sheen - None.
- 4. Noticeable leaks in pipe joints - None.

PAGE 2 OF 3

POL Area, Floyd Bennett Field, New York, UST #1 (POL1)

- 5. Localized areas of corrosion None.
- 6. Holes or pits in tanks and/or pipes None.
- Noticeable odors before, during, and/or after tank excavations -None.
- 8. Groundwater encountered? Depth to groundwater? Volume removed from excavation? Ground-water encountered approximately 2'6" below grade.
- 9. Free product on groundwater? Thickness? None.

FIELD MEASUREMENTS AND ANALYSIS:

- 1. Which field instruments were used? HNU-PID.
- 2. Tank removed.

 What were the readings from any areas of visual contamination? N/A.

What were the results from headspace analysis taken from the sidewall, bottom of the excavation, and below the bottom of the excavation? 0 PPM

- **3. Piping removed -** All piping removed. Only copper lines used for feed & return were discovered.
- 5. Soil samples; locations; results:*
 - * See soil sample location map included with Field Log, immediately after page (3) of this report.
- 6. Groundwater samples NA.

LAB MEASUREMENTS AND ANALYSIS:

All laboratory results are listed on sample location map(s). Copies of complete analyses have been submitted under separate cover.

1. Sample collector - Dave Beeman.

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PAGE 3 OF 3

POL Area, Floyd Bennett Field, New York, UST #1 (POL1)

- 2. Laboratory methods used for determination of soil contamination -EPA Method 8021 for Volatile Organic(s)(VOAs); EPA Method 8270 for Poly-Aromatic Hydrocarbons (PAHs).
- 3. Total amount of contaminated soil removed for disposal - None.
- Method of disposal N/A. 4.

Disposal facility - N/A.

- 5. Fill source - No off-site fill material was used.
- 6. Results of analysis of on-site material used for backfill - Clean, sample results included with analytical reports from samples taken beneath USTs.
- 7. Further action required? No.
- 8. Area restored? Yes, backfilled with clean sand, compacted and graded.

CONTRACTOR'S CERTIFICATION: I hereby certify that to the best of my knowledge and belief that all information presented here is correct and accurate.

Name: Christopher D. Elliott

Representing: Cleaning Up The Environment (C.U.T.E.), Midland Park, New

Jersey

Date Report Prepared: 20 FEB 1996

Report Prepared By: Dave Beeman of C.U.T.E.

C.U.T.E. FIELD SAMPLE LOG

UST POL1

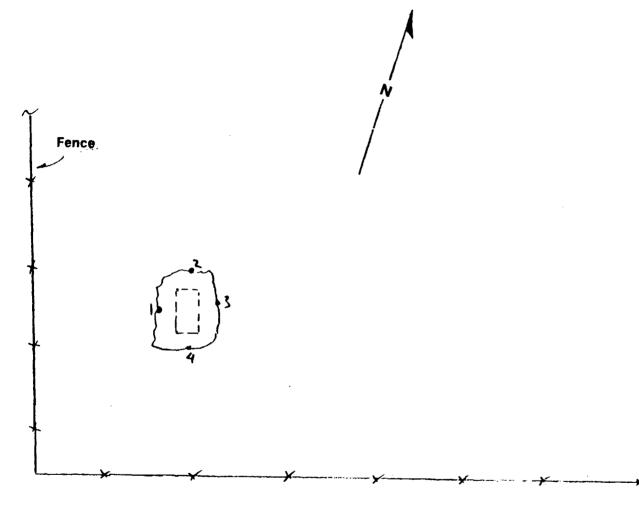
1. CONTRACT #: 94-C-0037	2. SITE NAME/LOCATION: Floyd Bennett Field, Brooklyn, NY
3. SAMPLER/AFFILIATION:	CHRIS D. ELLIOTT/TRI-GEM BUILDERS
4. PERSONNEL ON-SITE:	CLEANING UP THE ENVIRONMENT

SAMPLE NUMBER	POL1-001	POL1-002	POL1-003	POL1-004	POL11-005 OVER	
SAMPLE DATE	1/16/96	1/16/96	· 1/16/96	1/16/96	1/16/96	
TIME OF COLLECTION	1102	1107	1110	1114	1118	
SAMPLE TYPE (G OR C)*	G	G	G	G	С	
SAMPLE DEPTH	2'	2'	2'	2'	NA	
PRESERVATIVES USED	NA	NA	NA	NA	NA	
DATA COLLECTED (HNU)	0 ppm	0 ppm	0 ppm	0 ppm	0 ppm	
HNU METER CAL.(?)	YES	YES	YES	YES	YES	
ANALYSIS REQUIRED	8021 8270)		
SAMPLE DESCRIPTION	Sand, little	silt	<u> </u>	<u> </u>	<u> </u>	
COLOR	tan	tan	tan	tan	tan	
SOIL TEXTURE	Dry and gr	anular	l	<u>. </u>	L	
MOTTLES	none	none	none	none	none	
WEATHER	Cloudy, 35	DF			<u> </u>	
GROUNDWATER PRESENT	Ground-wa	iter at 2'6" t	elow grade		····	- <u></u>
ODORS	none	none	none	none	none	
I HEREBY CERTIFY THAT TO IS TRUE AND ACCURATE AN						
CHRIS D. ELLIOTT			D. Yim	of	-	2/20/96
NAME		SIGNATUR	RE C			DATE

RESULTS SUMMARY - RUNOFF COLLECTION UST POL-1 FLOYD BENNETT FIELD, BROOKLYN, NY

Field Sample No.:		1-POL-1	1-POL-2	1-POL-3	1-POL-4	1-POL-5
Lab Sample No.:		T601185-1	T601185-2	T601185-3	T601185-4	T601185-5
Date:		1/16/96	1/16/96	1/16/96	1/16/96	1/16/96
Depth(ft.):		2	2	2	2	NA
Volatile Compounds, ppb						
	Guidance					
	Value (ppb)					
Benzene	14	υ.	U	U	U	U
Toluene	100	υ	U	U	U	υ
Ethylbenzene	100	U	U	U	U	U
m,p-Xylenes	100	U	U	U	U	U
o-Xylenes	100	υ	U	υ	U	U
Isopropylbenzene	100	υ	U	U	U	U
n-Propylbenzene	100	U	U	U	U	U
p-Isopropyltoluene	100	U	2.7	U	U	U
1.3.5-Trimethylbenzene	100	U	U	U	U	U
1,2,4-Trimethylbenzene	100	U	U	υ	U	U
t-Butylbenzene	100	U	U	U	U	U
Methyl-t-butylether	100	U	U	U	U	U
sec-Butylbenzene	100	U	U	U	U	U
n-Butylbenzene	100	· U	U	U	0.89	U
Naphthalene	200	U	U	U	2	U
Semi-volatile Compounds,	daa					
Naphthalene	200*	U	U	U	U	U
Acenaphthene	400	U	U	บ	U	U
Fluorene	1000	U	U	U	U	U
Phenanthrene	1000	U	U	U	U	บ
Anthracene	1000	U	υ	υ	U	บ
Fluoranthene	1000	U	U	U	U	U
Pyrene	1000	υ	U	U	U	U
Benzo(a)anthracene	.04*	υ	U	U	U	υ
Chrysene	.04*	U	U	U	U	U
Benzo(b)fluoranthene	.04*	U	U	U	U	U
Benzo(k)fluoranthene	.04*	U	U	U	U	U
Benzo(a)pyrene	.04*	U	U	U	U	U
Indeno(1,2,3-cd)pyrene	.04*	U	U	·U	U	U
Dibenz(a,h)anthracene	1000	U	U	υ	U	U
Benzo(g.h,i)perylene	.04*	U	U	υ	U	U

^{*}Detection Limit is 330 ppb for semi-volatile compounds



Samp #	Field ID#	Depth (ft)
1	1-POL-1	2
2	1-POL-2	2
3	1-POL-3	2
4	1-POL-4	2
over burden	1-POL-5	NA

DEFENSE ENVIRONMENTAL RESTORATION FUND

Removal of Storage Tanks, etc. USACE Project #94-C-0037

GATEWAY NATIONAL RECREATION AREA FLOYD BENNETT FIELD Brooklyn, NY

UST CLOSURE
TANK AND SAMPLE LOCATIONS
UST #POL-1

156

Scale: 1" = 10'

UST CLOSURE REPORT - POL2

PAGE 1 OF 3

Contract Number: DACA51-94-C-0037

Title: Removal Of Storage Tanks,

Transformers & Miscellaneous, Various Locations, New York

Tank Number: POL₂ Tank Size (Gallons):

100

Tank Dimensions: 2'x4"3"

Product(s) Contained: Runoff

Volume In Tank (Gallons): 10 Site Location: Floyd Bennett Field, Brooklyn, New York

Date Removed: 15 DEC 1995

SITE HISTORY:

1. **Tank/pipe design - Single-layer steel; No monitoring devices present.**

- 2. Age of equipment - 30+ years.
- 3. History of Spills - None.
- 4. Past analytical Results - None.
- 5. Well records - None.
- 6. **Drinking water wells in vicinity - None.**
- 7. Potentially affected areas - None.

- 1. Tank and/or pipe Excavation - Visually contaminated soil observed in excavation.
- 2. Depth of stained, discolored and/or contaminated soil - To groundwater.
- Sheen None. 3.
- 4. Noticeable leaks in pipe joints - None.

UST CLOSURE REPORT

PAGE 1 OF 3

Contract Number: DACA51-93-C-0037

Title: Removal Of Storage Tanks,

Transformers & Miscellaneous, Various Locations, New York

Tank Number: POL₂ Tank Size (Gallons):

100

Tank Dimensions:

2'x4"3"

Product(s) Contained: Runoff

Volume In Tank (Gallons): 10

Date Removed: 15 DEC 1995

Site Location: Floyd Bennett Field, Brooklyn, New York

SITE HISTORY:

- 1. **Tank/pipe design - Single-layer steel; No monitoring devices present.**
- Age of equipment 30+ years. 2.
- 3. History of Spills - None.
- 4. Past analytical Results - None.
- 5. Well records - None.
- 6. **Drinking water wells in vicinity - None.**
- 7. Potentially affected areas - None.

- 1. Tank and/or pipe Excavation - Visually contaminated soil observed in excavation.
- 2. Depth of stained, discolored and/or contaminated soil - To groundwater.
- 3. Sheen - None.
- 4. Noticeable leaks in pipe joints - None.

PAGE 2 OF 3

POL Area, Floyd Bennett Field, New York, UST #2 (POL2)

- 5. Localized areas of corrosion None.
- 6. Holes or pits in tanks and/or pipes None.
- 7. Noticeable odors before, during, and/or after tank excavations Mild petroleum/Swampy organic odor.
- 8. Groundwater encountered? Depth to groundwater? Volume removed from excavation? Ground-water encountered approximately 1'0" below grade.
- 9. Free product on groundwater? Thickness? None.

FIELD MEASUREMENTS AND ANALYSIS:

- 1. Which field instruments were used? HNU-PID.
- 2. Tank removed.

 What were the readings from any areas of visual contamination? N/A.

What were the results from headspace analysis taken from the sidewall, bottom of the excavation, and below the bottom of the excavation? 0 PPM

- **3. Piping removed -** All piping removed. Only copper lines used for feed & return were discovered.
- 5. Soil samples; locations; results:*
 - * See soil sample location map included with Field Log, immediately after page (3) of this report.
- 6. Groundwater samples NA.

LAB MEASUREMENTS AND ANALYSIS:

All laboratory results are listed on sample location map(s). Copies of complete analyses have been submitted under separate cover.

1. Sample collector - Dave Beeman.

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PAGE 3 OF 3

POL Area, Floyd Bennett Field, New York, UST #2 (POL2)

- 2. Laboratory methods used for determination of soil contamination EPA Method 8021 for Volatile Organic(s)(VOAs); EPA Method 8270 for Poly-Aromatic Hydrocarbons (PAHs).
- 3. Total amount of contaminated soil removed for disposal 10 CYS.
- 4. Method of disposal Recycling.

Disposal facility - Mount Hope Recycling, NJ.

- 5. Fill source Bank run; Fred McDowell, Inc.
- 6. Results of analysis of on-site material used for backfill Clean, sample results included with analytical reports from samples taken at ground-water interface.
- 7. Further action required? Yes. Ground-water investigation necessary. No samples were taken of water in excavation at time of removal. Though soil samples taken at ground-water interface do not indicate the presence of petroleum, it cannot be ruled out that there may be a plume that has shifted away from the former location of the UST.
- 8. Area restored? Yes, backfilled with clean sand, compacted and graded.

CONTRACTOR'S CERTIFICATION: I hereby certify that to the best of my knowledge and belief that all information presented here is correct and accurate.

Name: Christopher D. Elliott

Signature:

Representing: Cleaning Up The Environment (C.U.T.E.), Midland Park, New

Jersey

Date Report Prepared: 20 FEB 1996

Report Prepared By: Dave Beeman of C.U.T.E.

NYSDEC Spill #95-09712

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UST POL2

C.U.T.E. FIELD SAMPLE LOG

					والمستقدية والمستبقي	
1. CONTRACT #: 94-C-0037	2. SITE NA				eld, Brookly	n, NY
3. SAMPLER/AFFILIATION: CH						
4. PERSONNEL ON-SITE:	CLEANING	OP THE E	NVIRONM	ENT		
						•
			· · · · · · · · · · · · ·			
SAMPLE NUMBER	POL2-001	POL2-002	POL2-003	POL2-004		
0.110; 5.0.75	1/10/06	4/40/00	4/40/05	4//0/00		·
SAMPLE DATE	1/16/96	1/16/96	1/16/96	1/16/96		
TIME OF COLL FOTION	1100	4400	1137	4445		
TIME OF COLLECTION	1128	1132	1137	1145		İ
SAMPLE TYPE (G OR C)*	G	G	G	G		
SAMPLE TYPE (G OR C)"	G	ال	G	G		
SAMPLE DEPTH	1'	11'	1'	1'		
SAIVIPLE DEPTH	1'	 		'		
PRESERVATIVES USED	NA	NA	NA	NA		
TREGERVATIVES SOLD	'``					
DATA COLLECTED (HNU)	0 ppm	0 ppm	0 ppm	0 ppm		
DATA GOLLLO / LD (Jo pp	o pp	PPIII	o pp	ļ	
HNU METER CAL.(?)	YES	YES	YES	YES		
	1.20		,		}	
ANALYSIS REQUIRED	8021	8021	8021	8021		
	8270	1	1			
	Ì]	
	Į.	ļ			ili .	
SAMPLE DESCRIPTION	Sand, little silt					
	<u> </u>					
COLOR	tan	tan	tan	tan		
SOIL TEXTURE	Dry and gr	anular				
	<u> </u>					
MOTTLES	none	none	none	none		
		<u> </u>	<u> </u>	·		
WEATHER	Cloudy, 35 D F					
	<u></u>					
GROUNDWATER PRESENT	Ground-water at 1' below grade					
00000				,	,	,
ODORS	none	none	none	none		
LUEDEDY OFFICE VILLE TO	L)	14" 5005	ALL BATA	DDEOENIE	D 11505
HEREBY CERTIFY THAT TO				-		
IS TRUE AND ACCURATE AND	IN COMPL	/ J .	~ V		FICATIONS	
CHRIS D. ELLIOTT		(Thus		<u>u</u>	•	2/20/96
NAME		SIGNATUR	RE (DATE



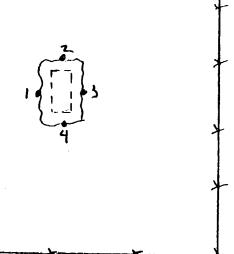
Field Sample No.:		2-POL-1	2-POL-2	2-POL-3	2-POL-4
Lab Sample No.:		T601185-6	T601185-7	T601185-8	T601185-9
Date:		1/16/96	1/16/96	1/16/96	1/16/96
Depth(ft.):		1	1	1	1
Volatile Compounds, ppb	,				
	Guidance				
	Value (ppb)				
Benzene	14	· U	U	U	U
Toluene	100	U	U	1.1	U
Ethylbenzene	100	U	U	0.63	U
m,p-Xylenes	100	U	U	U	U
o-Xylenes	100	U	U	Ü	U
Isopropylbenzene	100	U	U	U	U
n-Propyibenzene	100	U	υ	U	U
p-Isopropyltoluene	100	U	U	U	U
1,3,5-Trimethylbenzene	100	U	U	U	U
1,2,4-Trimethylbenzene	100	U	U	υ	U
t-Butylbenzene	100	υ	U	0.74	υ
Methyl-t-butylether	100	υ	υ	U	U
sec-Butylbenzene	100	U	U	U	. U
n-Butylbenzene	100	U	U	υ	U
Naphthalene	200	U	U	U	U
Semi-volatile Compounds,	ppb				
Naphthalene	200*	U	U	υ	υ
Acenaphthene	400	U	U	Ŭ	U
Fluorene	1000	U	U	υ	U
Phenanthrene	1000	U	U	U	U
Anthracene	1000	U	U	U	U
Fluoranthene	1000	U	U	U	U
Pyrene	1000	U	U	U	υ
Benzo(a)anthracene	.04*	υ	υ	U	U
Chrysene	.04*	U	U	U	U
Benzo(b)fluoranthene	.04*	U	U	U	υ
Benzo(k)fluoranthene	.04*	U	U	U	U
Benzo(a)pyrene	.04*	U	U	U	U
Indeno(1,2,3-cd)pyrene	.04*	U	U	U	U
Dibenz(a,h)anthracene	1000	υ	U	U	U
Benzo(g.h,i)perylene	.04*	U	U	U	U

^{*}Detection Limit is 330 ppb for semi-volatile compounds





Samp #	Field ID #	Depth (ft)
1	2-POL-1	1
2	2-POL-2	1
3	2-POL-3	1
4	2-POL-4	1



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DEFENSE ENVIRONMENTAL RESTORATION FUND

Removal of Storage Tanks, etc. USACE Project #94-C-0037

GATEWAY NATIONAL RECREATION AREA FLOYD BENNETT FIELD Brooklyn, NY

UST CLOSURE TANK AND SAMPLE LOCATIONS UST #POL-2

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UST CLOSURE REPORT - POL3 & POL4

PAGE 1 OF 3

CE

Contract Number: DACA51-94-C-0037

Title: Removal Of Storage Tanks,

Transformers & Miscellaneous, Various Locations, New York

Tank Number:

POL3 & POL4

Tank Size (Gallons): 3000

Tank Dimensions:

5'4"X18'

Product(s) Contained: Gasoline

Volume In Tank (Gallons): Residual

Date Removed: 11 AUG 1995

Site Location: Floyd

Floyd Bennett Field, Brooklyn, New York

SITE HISTORY:

- **1. Tank/pipe design -** Single-layer steel; No monitoring devices present.
- Age of equipment 30+ years.
- 3. History of Spills None.
- 4. Past analytical Results None.
- 5. Well records None.
- **6. Drinking water wells in vicinity None.**
- 7. Potentially affected areas None.

- 1. Tank and/or pipe Excavation No visually contaminated soil observed in excavation.
- 2. Depth of stained, discolored and/or contaminated soil N/A.
- 3. Sheen None.
- 4. Noticeable leaks in pipe joints None.

PAGE 2 OF 3

POL Area, Floyd Bennett Field, New York, UST #'s 3&4(POL3 & POL4)

- 5. Localized areas of corrosion None.
- 6. Holes or pits in tanks and/or pipes None.
- 7. Noticeable odors before, during, and/or after tank excavations None.
- 8. Groundwater encountered? Depth to groundwater? Volume removed from excavation? Ground-water encountered 2' below grade.
- 9. Free product on groundwater? Thickness? None.

FIELD MEASUREMENTS AND ANALYSIS:

- 1. Which field instruments were used? HNU-PID.
- Tank removed.
 What were the readings from any areas of visual contamination? N/A.

What were the results from headspace analysis taken from the sidewall, bottom of the excavation, and below the bottom of the excavation? 0 PPM.

- **3. Piping removed -** All piping removed. Only copper lines used for feed & return were discovered.
- 5. Soil samples; locations; results:*
 - * See soil sample location map included with Field Log, immediately after page (3) of this report.
- **6. Groundwater samples -** Though ground-water was encountered, conditions did not indicate need for ground-water sampling, i.e. no contaminated soil, sheen, or petroleum odors.

LAB MEASUREMENTS AND ANALYSIS:

All laboratory results are listed on sample location map(s). Copies of complete analyses have been submitted under separate cover.

1. Sample collector - Dave Beeman.

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PAGE 3 OF 3

POL Area, Floyd Bennett Field, New York, UST #'s 3&4 (POL3 & POL4)

- 2. Laboratory methods used for determination of soil contamination EPA Method 8021 for Volatile Organic(s)(VOAs).
- 3. Total amount of contaminated soil removed for disposal None.
- 4. Method of disposal N/A.

Disposal facility - N/A.

- 5. Fill source Bank run, Fred McDowell, Inc.
- 6. Results of analysis of on-site material used for backfill Clean, sample results included with analytical reports from samples taken beneath USTs.
- 7. Further action required? No.
- 8. Area restored? Yes, backfilled with clean sand, compacted and graded.

CONTRACTOR'S CERTIFICATION: I hereby certify that to the best of my knowledge and belief that all information presented here is correct and accurate.

Name: Christopher D. Elliott

Signature: (hustopher) Junes

Representing: Cleaning Up The Environment (C.U.T.E.), Midland Park, New

Jersey

Date Report Prepared: 20 FEB 1996

Report Prepared By: Dave Beeman; C.U.T.E.

...

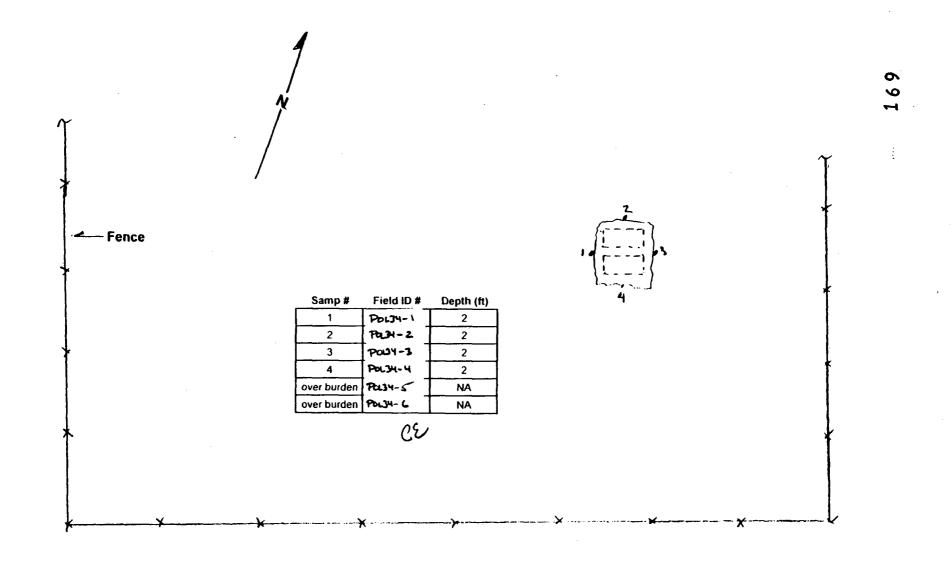
C.U.T.E. FIELD SAMPLE LOG

USTs POL3 & 4

. CONTRACT #: 94-C-00	2. SITE NAME/LOCATION: Floyd Bennett Field, Brooklyn, NY
. SAMPLER/AFFILIATION	I: CHRIS D. ELLIOTT/TRI-GEM BUILDERS
. PERSONNEL ON-SITE:	CLEANING UP THE ENVIRONMENT

SAMPLE NUMBER	PO341	CC."	CL **	CE =	ľ	POL34-L	
					OVER	OVER	
SAMPLE DATE	8/16/95	8/16/95	8/16/95	8/16/95	8/16/95	8/16/95	
TIME OF COLLECTION	900	904	908	915	920	925	
SAMPLE TYPE (G OR C)*	G	G	G	G	С	С	
SAMPLE DEPTH	2'	2'	2'	2'	NA	NA	
PRESERVATIVES USED	NA	NA	NA	NA	NA	NA	
DATA COLLECTED (HNU)	0 ppm	0 ppm	0 ppm	0 ppm	0 ppm	0 ppm	
HNU METER CAL.(?)	YES	YES	YES	YES	YES	YES	
ANALÝSIS REQUIRED	8021	8021	8021	8021	8021	8021	
SAMPLE DESCRIPTION	Silty sand;	Meadow m	at				
COLOR	black	black	black	black	black	black	
SOIL TEXTURE	Moist & gra	anular	· · · · · · · · · · · · · · · · · · ·	·	<u> </u>	· · · · · · · · · · · · · · · · · · ·	
MOTTLES	none	none	none	none	none	none	
WEATHER	Cloudy, 85	Cloudy, 85 D F					
GROUNDWATER PRESENT	Ground-wa	Ground-water at 2' below grade					
ODORS	Swampy o	Swampy organic					
I HEREBY CERTIFY THAT TO IS TRUE AND ACCURATE AN							
			H CONTRA				

SAMPLE SUMMARY -	GASOLINE						OKLYN, NY
Field Sample No.:		ee 170134-1	C2 Pa34-2	CE Pa3+3	CE 70134-4	CE Polyns	CI Pash-L
Lab Sample No.:		T508274-16	T508274-17		T508274-19	T508274-20	•
Date:		8/16/95	8/16/95	8/16/95	8/16/95	8/16/95	8/16/95
Depth(ft.):		2	2	2	2	NA	NA
Volatile Compounds, ppb							
	Guidance						
	Value (ppb)						
Benzene	14	U	U	U	U	U	U
Toluene	100	U	U	U	U	U	U
Ethylbenzene	100	U	U	U	U	U	U
m,p-Xylenes	100	U	U	U	U	U	U
o-Xylenes	100	U	U	U	U	U	U
Isopropylbenzene	100	υ	U	U	U	U	υ
n-Propylbenzene	100	U	U	U	U	U	U
p-Isopropyltoluene	100	U	U	U	U	U	U
1,3,5-Trimethylbenzene	100	U	U	U	U	U	U
1,2,4-Trimethylbenzene	100	U	U	U	U	U	U
t-Butylbenzene	100	U	U	U	U	U	U
Methyl-t-butylether	100	U	U	U	U	U	U
sec-Butylbenzene	100	U	U	U	U	U	U
n-Butylbenzene	100	U	U	U	U	U	υ
Naphthalene	200	U	U	U	U	U	U





DEFENSE ENVIRONMENTAL RESTORATION FUND

Removal of Storage Tanks, etc. USACE Project #94-C-0037

GATEWAY NATIONAL RECREATION AREA FLOYD BENNETT FIELD Brooklyn, NY

UST CLOSURE
TANK AND SAMPLE LOCATIONS
USTS #POL-2 & #F

UST CLOSURE REPORT - GS1, 2 & 3

PAGE 1 OF 3

Contract Number: DACA51-94-C-0037

Title: Removal Of Storage Tanks,

Transformers & Miscellaneous, Various Locations, New York

Tank Number: GS1. 2 &3 Tank Size (Gallons): 5000

Tank Dimensions: 6'x23'6" Product(s) Contained: Gasoline

Volume In Tank (Gallons): 3900

Date Removed: 09 AUG 1995

Floyd Bennett Field, Brooklyn, New York Site Location:

SITE HISTORY:

1. Tank/pipe design - Single-layer steel; No monitoring devices present.

- 2. Age of equipment - 30+ years.
- 3. History of Spills - None.
- Past analytical Results None. 4.
- 5. Well records - None.
- 6. **Drinking water wells in vicinity - None.**
- 7. Potentially affected areas - None.

- 1. Tank and/or pipe Excavation - Gasoline contaminated soil noted at top of tanks at fill pipe areas.
- 2. Depth of stained, discolored and/or contaminated soil - To groundwater.
- 3. Sheen - None.
- Noticeable leaks in pipe joints Several at fittings. 4.

PAGE 2 OF 3

GAS STATION, Floyd Bennett Field, New York, UST #'s 1,2 &3 (GS1, GS2 & GS3)

- 5. Localized areas of corrosion None.
- 6. Holes or pits in tanks and/or pipes Pipe fittings not secure.
- 7. Noticeable odors before, during, and/or after tank excavations Strong gasoline odor.
- 8. Groundwater encountered? Depth to groundwater? Volume removed from excavation? Ground-water encountered 8.5' below grade.
- 9. Free product on groundwater? Thickness? None.

FIELD MEASUREMENTS AND ANALYSIS:

- 1. Which field instruments were used? HNU-PID.
- 2. Tank removed.
 What were the readings from any areas of visual contamination?
 50 ppm.

What were the results from headspace analysis taken from the sidewall, bottom of the excavation, and below the bottom of the excavation? Up to 150 ppm.

- 3. Piping removed All piping in excavation removed.
- 5. Soil samples; locations; results:*
 - * See soil sample location map included with Field Log, immediately after page (3) of this report.
- 6. Groundwater samples No ground-water samples were taken.*

LAB MEASUREMENTS AND ANALYSIS:

All laboratory results are listed on sample location map(s). Copies of complete analyses have been submitted under separate cover.

1. Sample collector - Dave Beeman.

PAGE 3 OF 3

GAS STATION, Floyd Bennett Field, New York, UST #'s 1,2 &3 (GS1, GS2 & GS3)

- 2. Laboratory methods used for determination of soil contamination EPA Method 8021 for Volatile Organic(s)(VOAs).
- **3.** Total amount of contaminated soil removed for disposal Approx. 50 CYS.
- Method of disposal Recycling.

Disposal facility - Mount Hope Recycling, NJ.

- 5. Fill source Bank run, Fred McDowell, Inc.
- **6.** Results of analysis of on-site material used for backfill All overburden was removed as contaminated for later disposal.
- 7. Further action required? *Yes. Though results of soil samples taken 1' above ground-water interface are below regulatory limits, the fact that; (1), the geology of the area is strictly sand and is highly permeable; (2), gasoline "travels" well through such a medium; (3), tank bottoms were in ground-water at time of removal, and; (4) contaminated soil was noted down to the ground-water interface, indicates that a ground-water study is necessary in the form of monitoring wells and regular sampling for the presence of VOAs including MTBE.
- **8. Area restored?** Yes, backfilled with clean sand, compacted and graded.

CONTRACTOR'S CERTIFICATION: I hereby certify that to the best of my knowledge and belief that all information presented here is correct and accurate.

Name: Christopher D. Elliott

Signature:

Representing: Cleaning Up The Environment (C.U.T.E.), Midland Park, New

Jersey

Date Report Prepared: 20 FEB 1996

Report Prepared By: Dave Beeman; C.U.T.E.; Revised Christopher D. Elliott

NYSDEC Spill #95-05775

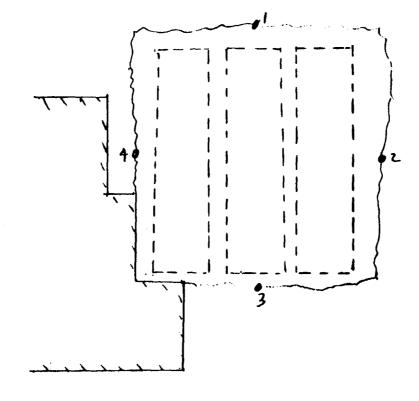
C.U.T.E. FIELD SAMPLE LOG

USTs GS1, 2 &3	FIELD	SAMP	'LE	LOG
----------------	-------	------	-----	-----

1. CONTRACT #: 94-C-0037					ield, Brool	dyn, NY
3. SAMPLER/AFFILIATION: (
4. PERSONNEL ON-SITE:	CLEANING	3 UP THE E	NVIRONM	ENT		_
			-		**	
						
SAMPLE NUMBER	RRGS-1	Innoc o	RRGS-3	RRGS-4	7	
SAMPLE NOMBER	RRGS-1	RRGS-2	KKGS-3	RRG5-4		
SAMPLE DATE	8/10/95	8/10/95	8/10/95	8/10/95		
TIME OF COLLECTION	1230	1235	1240	1245		
SAMPLE TYPE (G OR C)*	G	G	G	G		
SAMPLE DEPTH	7'6"	7'6"	7'6"	7'6"		
PRESERVATIVES USED	NA	NA	NA	NA		
DATA COLLECTED (HNU)	0 ppm	0 ppm	2 ppm	0 ppm		
HNU METER CAL.(?)	YES	YES	YES	YES		
ANALYSIS REQUIRED	8021	8021	8021	8021		
SAMPLE DESCRIPTION	Sand; little	silt				<u> </u>
COLOR	Tan/brown					
SOIL TEXTURE	Moist & gr	anular	•	···		
MOTTLES	None	none	none	none		
WEATHER	Sunny, 85 D F					
GROUNDWATER PRESENT	Ground-wa	ater at 2' be	low grade			
ODORS	None					
I HEREBY CERTIFY THAT TO	THE BEST	OF MY KNO	WLEDGE .	ALL DATA	PRESENT	ED HERE
IS TRUE AND ACCURATE AN	D IN COMPL	IANCE WIT	H CONTRA	ACT SPECI	FICATION	IS:
CHRIS D. ELLIOTT		tw	0 D. Yu	well	_	2/20/96
NAME		SIGNATUR	RE /		-	DATE

SAMPLE SUMMARY - GASOLINE USTs GS1, GS2, & GS3 - FLOYD BENNETT FIELD, BROOKLYN, NY

				دی	
Field Sample No.:		RRGS-1	RRGS-2	racs-3	RRGS-4
Lab Sample No.:		T508168-5	T508168-6	T508168-7	T508168-8
Date:		8/10/95	8/10/95	8/10/95	8/10/95
Depth(ft.):		7.5	7.5	7.5	7.5
Volatile Compounds, ppb		•			
	Guidance				
	Value (ppb)				
Benzene	14	U	U	U	U
Toluene	100	U	U	U	U
Ethylbenzene	100	U	U	6.9	U
m,p-Xylenes	100	U	U	4.5	. U
o-Xylenes	100	U	U	16	U
Isopropylbenzene	100	U	U	U	U
n-Propylbenzene	100	U	U	U	U
p-Isopropyltoluene	100	U	U	U	Ü
1,3,5-Trimethylbenzene	100	U	U	U	υ
1.2,4-Trimethylbenzene	100	U	U	U	U
t-Butylbenzene	100	U	U	U	U
Methyl-t-butylether	100	U	U	U	U
sec-Butylbenzene	100	Ü	U	U	U
n-Butylbenzene	100	U	U	U	U
Naphthalene	200	U	U	U	U

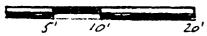


Samp # Field ID# Depth (ft)

1	RRGS-1	7.5
2	RRGS-2	7.5
3	RRGS-3	7.5
4	RRGS-4	7.5

Scale: 1" = 10'

G



DEFENSE ENVIRONMENTAL RESTORATION FUND

Removal of Storage Tanks, etc. USACE Project #94-C-0037

GATEWAY NATIONAL RECREATION AREA FLOYD BENNETT FIELD Brooklyn, NY

UST CLOSURE
TANK AND SAMPLE LOCATIONS
USTs #GS1, #GS2, & #GS3

UST CLOSURE REPORT - H5

PAGE 1 OF 3

Contract Number: DACA51-94-C-0087

Title: Removal Of Storage Tanks,

Transformers & Miscellaneous, Various Locations, New York

Tank Number:

Tank Size (Gallons): 550

Tank Dimensions:

4'x5.5" CE

Product(s) Contained: #2 Fuel Oil

Volume in Tank (Gallons): 550

Date Removed: 14 AUG 1995

Site Location: Floyd Bennett Field, Brooklyn, New York

SITE HISTORY:

- 1. **Tank/pipe design -** Single-layer steel; No monitoring devices present.
- 2. Age of equipment - 30+ years.
- 3. History of Spills - None.
- 4. Past analytical Results - None.
- Well records None. 5.
- 6. **Drinking water wells in vicinity - None.**
- 7. Potentially affected areas - None.

- 1. Tank and/or pipe Excavation - No visually contaminated soil observed in excavation.
- 2. Depth of stained, discolored and/or contaminated soil - N/A.
- 3. Sheen - N/A.
- 4. Noticeable leaks in pipe joints - None.

PAGE 2 OF 3

HANGAR 5, Floyd Bennett Field, New York, UST #5 (H5)

- 5. Localized areas of corrosion None.
- 6. Holes or pits in tanks and/or pipes None.
- 7. Noticeable odors before, during, and/or after tank excavations None.
- 8. Groundwater encountered? Depth to groundwater? Volume removed from excavation? N/A.
- 9. Free product on groundwater? Thickness? N/A.

FIELD MEASUREMENTS AND ANALYSIS:

- 1. Which field instruments were used? HNU-PID.
- 2. Tank removed.

What were the readings from any areas of visual contamination? 0 ppm.

What were the results from headspace analysis taken from the sidewall, bottom of the excavation, and below the bottom of the excavation? 0 ppm.

- 3. Piping removed All piping in excavation removed.
- 5. Soil samples; locations; results:*
 - * See soil sample location map included with Field Log, immediately after page (3) of this report.
- 6. Groundwater samples N/A.

LAB MEASUREMENTS AND ANALYSIS:

All laboratory results are listed on sample location map(s). Copies of complete analyses have been submitted under separate cover.

1. Sample collector - Dave Beeman.

PAGE 3 OF 3

HANGAR 5, Floyd Bennett Field, New York, UST #5 (H5)

- 2. Laboratory methods used for determination of soil contamination -EPA Method 8021 for Volatile Organic(s)(VOAs); EPA Method 8270 for Poly-Aromatic Hydrocarbons (PAHs).
- 3. Total amount of contaminated soil removed for disposal - None.
- 4. Method of disposal - N/A.

Disposal facility - N/A.

- Fill source No off-site fill material was used 5.
- 6. Results of analysis of on-site material used for backfill - Clean, results included here on sample summary sheets.
- 7. Further action required? None.
- 8. Area restored? Yes, backfilled with in situ material, compacted and graded.

CONTRACTOR'S CERTIFICATION: I hereby certify that to the best of my knowledge and belief that all information presented here is correct and accurate.

Name: Christopher D. Elliott

Signature:

Representing: Cleaning Up The Environment (C.U.T.E.), Midland Park, New

Jersey

Date Report Prepared: 20 FEB 1996

Report Prepared By: Dave Beeman; C.U.T.E.

C.U.T.E. FIELD SAMPLE LOG

UST H5

. CONTRACT #: 94-C-003	7 2. SITE NAME/LOCATION: Floyd Bennett Field, Brooklyn, NY
. SAMPLER/AFFILIATION:	CHRIS D. ELLIOTT/TRI-GEM BUILDERS
. PERSONNEL ON-SITE:	CLEANING UP THE ENVIRONMENT

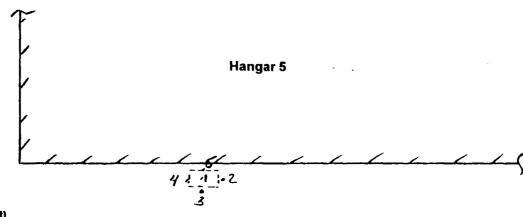
			·			
SAMPLE NUMBER	H5-012.	H5.02	HS-03	45-04	∠ ξ. H5-∞5	८६ HS-CL OVER
SAMPLE DATE	8/14/95			•	<u></u>	1
TIME OF COLLECTION	1401	1402	1403	1404	1405	140
SAMPLE TYPE (G OR C)*	G	G	G	G	G	С
SAMPLE DEPTH	5'6"	3'	3'	3'	3'	NA
PRESERVATIVES USED	NA	<u> </u>		<u></u>	<u> </u>	<u> </u>
DATA COLLECTED (HNU)	0 ppm	0 ppm	0 ppm	0 ppm	0 ppm	0 ppm
HNU METER CAL.(?)	YES	<u> </u>	<u> </u>	1	1	<u> </u>
ANALYSIS REQUIRED	8021 8270					
SAMPLE DESCRIPTION	Sand; little	silt				
COLOR	Brown/tan					····
SOIL TEXTURE	Granular					
MOTTLES	None	none	none	none	. -	<u> </u>
WEATHER	Sunny, 95	DF				
GROUNDWATER PRESENT	No ground	-water pres	ent			·
ODORS	None	<u></u>			· · · · · ·	<u>.</u>
HEREBY CERTIFY THAT TO S TRUE AND ACCURATE AN		IANDEWIT	H CONTRA			
CHRIS D. ELLIOTT		(hus		uf	_	2/20/9
NAME		SIGNATUI	RE C	•		DATE

SAMPLE RESULTS SUMMARY - HEATING OIL UST H5 - FLOYD BENNETT FIELD, BROOKLYN, NY

Field Sample No.:		CE H5-01	CE H5-02	CE H5-03	CE H5-04	عے 45-05	HS-OF CARL
Lab Sample No.:		T508193-1	T508193-2	T508193-3	T508193-4	T508193-5	T508193-
Date:		8/14/95	8/14/95	8/14/95	8/14/95	8/14/95	8/14/95
Depth(ft.):		5.5	3	3	3	3	NA
Volatile Compounds, ppb							
	Guidance						
	Value (ppb)						
Benzene	14	U .	U	U	U	U	U
Toluene	100	U	Ú	U	U	U	U
Ethylbenzene	100	U	U	U	U	U	U
m,p-Xylenes	100	U	U	U	U	U	υ
o-Xylenes	100	υ	υ	υ	U	υ	υ
Isopropylbenzene	100	U	U	U	U	υ	U
n-Propylbenzene	100	U	U	U	U	U	U
p-Isopropyltoluene	100	U	U	ប	U	U	U
1,3,5-Trimethylbenzene	100	υ	U	U	U	U	U
1,2,4-Trimethylbenzene	100	U	υ	υ	U	U	U
t-Butylbenzene	100	U	U	U	U	U	U
Methyl-t-butylether	100	υ	U	U	U	U	U
sec-Butylbenzene	100	U	U	U	U	υ	U
n-Butylbenzene	100	U	U	U	U	U	U
Naphthalene	200	υ	U	υ	U	υ	υ
Semi-volatile Compounds,	ppb						
Naphthalene	200⁴	U	U	U	U	U	U
Acenaphthene	400	U	U	U	U	U	U
Fluorene	1000	U	U	υ	U	U	U
Phenanthrene	1000	U	U	U	U	υ	U
Anthracene	1000	U	υ	U	υ	υ	U
Fluoranthene	1000	U	υ	U	U	U	130J
Pyrene	1000	U	U	U·	U	U	100J
Benzo(a)anthracene	.04*	υ	U	U	U	U	U
Chrysene	.04*	U	U	U	υ	U	U
Benzo(b)fluoranthene	.04*	U	U	U	U	U	U
Benzo(k)fluoranthene	.04*	U	U	u	U	U	U
Benzo(a)pyrene	.04*	U	U	U	U	U	U
Indeno(1,2,3-cd)pyrene	.04*	U	U	U	U	U	U
Dibenz(a,h)anthracene	1000	U	U	U	U	U	U
Benzo(g,h,i)perylene	.04*	υ	υ	U	U	υ	U

^{*}Detection Limit is 330 ppb for semi-volatile compounds

J - Compound was detected below method detection limit. Concentration given is an estimate.



Samp #	Field ID#	Depth (ft)						
1	H5-01	5.5						
2	H5-02	3						
3	HS-03	3						
4	H5-04	3						
5	H5-05	3_						
Over Burden	H5-06	NA						
	CE							

1

Scale: 1" = 20'

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DEFENSE ENVIRONMENTAL RESTORATION FUND

Removal of Storage Tanks, etc. USACE Project #94-C-0037

GATEWAY NATIONAL RECREATION AREA FLOYD BENNETT FIELD Brooklyn, NY

UST CLOSURE
TANK AND SAMPLE LOCATIONS
UST #H5

CLEANING UP THE ENVIRONMENT (C.U.T.E.) 103 GODWIN AVENUE SUITE 237 MIDLAND PARK, NEW JERSEY 07432 (201)427-2881

UST CLOSURE REPORT - H7

PAGE 1 OF 3

DACA51-94-C-0087 Contract Number:

Title: Removal Of Storage Tanks,

Transformers & Miscellaneous, Various Locations, New York

Tank Number: H7

Tank Size (Gallons): 10000

Tank Dimensions: Volume In Tank (Gallons): 7300

10'6"x26'9"

Product(s) Contained: #2 Fuel Oil

Date Removed: 16 AUG 1995

Site Location: Floyd Bennett Field, Brooklyn, New York

SITE HISTORY:

1. Tank/pipe design - Single-layer steel; No monitoring devices present.

- 2. Age of equipment - 30+ years.
- 3. History of Spills - None.
- Past analytical Results None. 4.
- 5. Well records - None.
- 6. **Drinking water wells in vicinity - None.**
- 7. Potentially affected areas - None.

FIELD OBSERVATIONS:

- 1. Tank and/or pipe Excavation - Visually contaminated soil observed at pipe/tank fittings and at bottom of excavation.
- 2. Depth of stained, discolored and/or contaminated soil - To groundwater.
- 3. Sheen - Sheen noted on ground-water.
- 4. Noticeable leaks in pipe joints - At pipe/tank fittings.

PAGE 2 OF 3

HANGAR 7, Floyd Bennett Field, New York, UST #7 (H7)

- 5. Localized areas of corrosion None.
- 6. Holes or pits in tanks and/or pipes Holes noted in UST and piping.
- 7. Noticeable odors before, during, and/or after tank excavations Strong petroleum odor throughout.
- 8. Groundwater encountered? Depth to groundwater? Volume removed from excavation? 8' below grade; None removed.
- 9. Free product on groundwater? Thickness? No, only sheen present.

FIELD MEASUREMENTS AND ANALYSIS:

- 1. Which field instruments were used? HNU-PID.
- 2. Tank removed.

What were the readings from any areas of visual contamination? 10 ppm.

What were the results from headspace analysis taken from the sidewall, bottom of the excavation, and below the bottom of the excavation? 10 ppm.

- **3. Piping removed -** All piping in excavation removed.
- 5. Soil samples; locations; results:*
 - * See soil sample location map included with Field Log, immediately after page (3) of this report.
- 6. Groundwater samples N/A.

LAB MEASUREMENTS AND ANALYSIS:

All laboratory results are listed on sample location map(s). Copies of complete analyses have been submitted under separate cover.

1. Sample collector - Dave Beeman.

PAGE 3 OF 3

HANGAR 7, Floyd Bennett Field, New York, UST #7 (H7)

- 2. Laboratory methods used for determination of soil contamination EPA Method 8021 for Volatile Organic(s)(VOAs); EPA Method 8270 for Poly-Aromatic Hydrocarbons (PAHs).
- **3.** Total amount of contaminated soil removed for disposal Approx. 60 CYS.
- 4. Method of disposal Recycling.

Disposal facility - mount Hope Recycling, NJ.

- 5. Fill source Bank run; Fred McDowell, Inc.
- 6. Results of analysis of on-site material used for backfill All overburden removed for disposal as contaminated.
- 7. Further action required? Yes. Samples taken at ground-water interface. Sample #01 (closest to building) over regulatory limits for Fluoranthene. Ground-water had sheen on it. Possibility of ground-water contamination. Recommend installation of monitor wells and regular sampling for VOAs and PAHs.
- 8. Area restored? Yes, area backfilled, compacted and graded, and paved.

CONTRACTOR'S CERTIFICATION: I hereby certify that to the best of my knowledge and belief that all information presented here is correct and accurate.

Name: Christopher D. Elliott

Signature: (hustopher) June

Representing: Cleaning Up The Environment (C.U.T.E.), Midland Park, New

Jersey

Date Report Prepared: 20 FEB 1996

Report Prepared By: Dave Beeman; C.U.T.E.; Revised by Christopher D. Elliott

NYSDEC Spill #95-06032

UST H7

C.U.T.E. FIELD SAMPLE LOG

1. CONTRACT #: 94-C-0037					eid, Brookly	II, NY
3. SAMPLER/AFFILIATION: CH						
4. PERSONNEL ON-SITE:	CLEANING	G UP THE E	NVIRONM	ENT		ļ
			•			
	- ~:	- CE-	٠ د٤ .	رد.		
SAMPLE NUMBER	H7-1	H7-2	H7-3	H7-4		
SAMPLE DATE	8/16/95					
TIME OF COLLECTION	1305	1310	1314	1320		
SAMPLE TYPE (G OR C)*	G	G	G	G		
SAMPLE DEPTH	7'	7'	7'	7'		
PRESERVATIVES USED	NA	-				
DATA COLLECTED (HNU)	0 ppm	0 ppm	0 ppm	0 ppm		
HNU METER CAL.(?)	YES	 				
ANALYSIS REQUIRED	8021 8270					
SAMPLE DESCRIPTION	Sand; little	silt				
COLOR	Brown/tan					
SOIL TEXTURE	Moist & gra	anular		· .;; ·		
MOTTLES	None	none	none	none		
WEATHER	Sunny, 90	DF				
GROUNDWATER PRESENT	Ground-wa	ater present	at 8' below	grade		
ODORS	None					
I HEREBY CERTIFY THAT TO T	HE BEST (OF MY KNC	WLEDGE /	ALL DATA	PRESENTE	D HERE
IS TRUE AND ACCURATE AND	IN COMPL	IANCE-WIT	H CONTRA	ACT SPECIF	FICATIONS	•
CHRIS D. ELLIOTT		(hu	od. Yu	st		2/20/96
NAME		SIGNATUR			·	DATE

SAMPLE RESULT(S) SUMMARY

Hanger 7, Floyd Bennett Field, New York UST #H7

	CŁ	. 22	C٤	CE
Field Sample No.:	H7-4	H7-2	47-3	H7-4
Date:	8/16/95	8/16/95	8/16/95	8/16/95
Depth (Ft.):	7'0"	7'0"	7:0"	7'0"

Volatile Organic Compounds (VOAs), EPA Method 8021, (ppb)

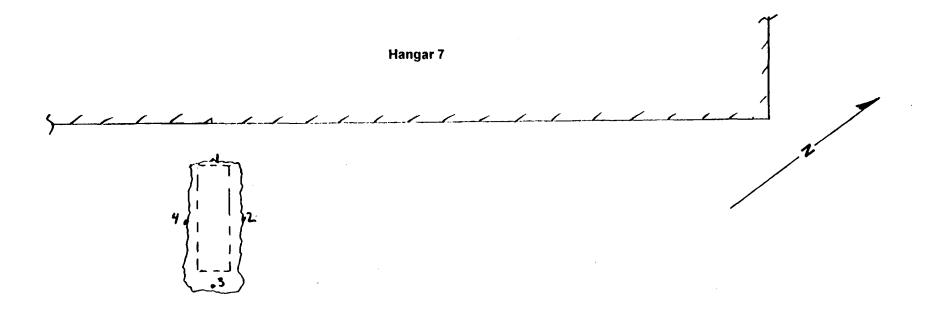
Guidance Value, (ppb) 14 Benzene U Toluene 100 U U Ethylbenzene 100 υ U 100 U U U m-p Xylenes o-Xylene 100 U U U Isopropylbenzene 100 U U n-Propylbenzene 100 U U 100 U U U p-Isopropyttoluene U 1,3,5-Trimethylbenzene 100 U U U U 1,2,4-Trimethylbenzene 100 100 U U U U t-butylbenzene Methyl-t-butylether 100 U U U U U sec-Butylbenzene 100 U U U U n-Butylbenzene U 100 U U Napthalene (8021) 200 U U

Poly-Aromatic Hydrocarbons (PAHs), EPA Method 8270, (ppb)

Acenapthene	400	110 J	U	U	73 J
Fluorene	1000	100 J	υ	U	U
Phenanthrene	1000	820	U	120 J	520
Anthracene	1000	230 J	U	U	170 J
Fluoranthene	1000	1100	U	160 J	780
Pyrene	1000	740	U	100 J	550
Benzo(a)anthracene	.04*	430	U	U	330 J
Chrysene	.04*	430	υ	ങ്ച	320 J
Benzo(b)fluoranthene	.04*	470	U	U	340 J
Benzo(k)fluoranthene	.04*	380	U	U	310 J
Benzo(a)pyrene	.04*	440	U	U	340 J
Indeno(1,2,3-cd)pyrene	.04*	200 J	U	U	150 J
Dibenz(a,h)anthracene	1000	U	U	บ	U
Benzo(g,h,i)perylene	.04*	20 0 J	U	U	170 J

^{*} Detection limit for these compounds is 330 ppb in the best of cases.

For the purpose of this summary, in the VOA section, U means less than 1 ppb, and; in the PAH section, U means less than 360 ppb.



Sample #	Field ID#	Depth (ft)
1	H7-01	7
2	H7-02	7
3	H7-03	7
4	H7-04	7



DEFENSE ENVIRONMENTAL RESTORATION FUND

Removal of Storage Tanks, etc. USACE Project #94-C-0037

GATEWAY NATIONAL RECREATION AREA FLOYD BENNETT FIELD Brooklyn, NY

UST CLOSURE
TANK AND SAMPLE LOCATIONS
UST #H7-1

CLEANING UP THE ENVIRONMENT (C.U.T.E.) 103 GODWIN AVENUE SUITE 237 MIDLAND PARK, NEW JERSEY 07432 (201)427-2881

UST CLOSURE REPORT - H7-2

PAGE 1 OF 3

دد

Contract Number: DACA51-94-C-0037 Title: Removal Of Storage Tanks,

Transformers & Miscellaneous, Various Locations, New York

Tank Number:

H7-2

Tank Size (Gallons): 1000

Tank Dimensions:

5'4"x6"

Product(s) Contained: #2 Fuel Oil

Volume In Tank (Gallons): 1000

Date Removed: 16 AUG 1995

Site Location: Floyd Bennett Field, Brooklyn, New York

SITE HISTORY:

- 1. Tank/pipe design - Single-layer steel; No monitoring devices present.
- 2. Age of equipment - 30+ years.
- 3. History of Spills - None.
- 4. Past analytical Results - None.
- 5. Well records - None.
- 6. **Drinking water wells in vicinity - None.**
- 7. Potentially affected areas - None.

FIELD OBSERVATIONS:

- 1. Tank and/or pipe Excavation - Visually contaminated soil observed at pipe/tank fittings and at bottom of excavation. This material was generated by the adjacent 10000 G UST #H7.
- 2. Depth of stained, discolored and/or contaminated soil - To top of UST, approx. 1'6" below grade.
- 3. Sheen - N/A.
- 4. Noticeable leaks in pipe joints - None.

LE PAGE 2 OF 3

HANGAR 7, Floyd Bennett Field, New York, UST #7-1 (H7-1)

- 5. Localized areas of corrosion None.
- 6. Holes or pits in tanks and/or pipes None.
- 7. Noticeable odors before, during, and/or after tank excavations None.
- 8. Groundwater encountered? Depth to groundwater? Volume removed from excavation? None encountered.
- 9. Free product on groundwater? Thickness? N/A.

FIELD MEASUREMENTS AND ANALYSIS:

- 1. Which field instruments were used? HNU-PID.
- 2. Tank removed.

What were the readings from any areas of visual contamination? 10 ppm.

What were the results from headspace analysis taken from the sidewall, bottom of the excavation, and below the bottom of the excavation? 0 ppm.

- **3. Piping removed -** All piping in excavation removed.
- 5. Soil samples; locations; results:*
 - * See soil sample location map included with Field Log, immediately after page (3) of this report.
- 6. Groundwater samples N/A.

LAB MEASUREMENTS AND ANALYSIS:

All laboratory results are listed on sample location map(s). Copies of complete analyses have been submitted under separate cover.

1. Sample collector - Dave Beeman.

UST CLOSURE REPORT HANGAR 7, Floyd Bennett Field, New York, UST #7-1 (H7-1)

- 2. Laboratory methods used for determination of soil contamination EPA Method 8021 for Volatile Organic(s)(VOAs); EPA Method 8270 for Poly-Aromatic Hydrocarbons (PAHs).
- 3. Total amount of contaminated soil removed for disposal Approx. 5 CYS.
- 4. Method of disposal Recycling.

Disposal facility - mount Hope Recycling, NJ.

- 5. Fill source Bank run; Fred McDowell, Inc.
- **6.** Results of analysis of on-site material used for backfill All overburden removed for disposal as contaminated.
- 7. Further action required? Yes; In conjunction with ground-water investigation to be conducted for removal of adjacent 10000 G UST #H7.
- 8. Area restored? Yes, area backfilled, compacted and graded, and paved.

CONTRACTOR'S CERTIFICATION: I hereby certify that to the best of my knowledge and belief that all information presented here is correct and accurate.

Name: Christopher D. Elliott

Signature:

(hustyphen D.) wwest

Representing: Cleaning Up The Environment (C.U.T.E.), Midland Park, New

Jersey

Date Report Prepared: 20 FEB 1996

Report Prepared By: Dave Beeman; C.U.T.E.; Revised by Christopher D. Elliott

NYSDEC Spill #95-06032 (Same as UST #H7)

C.U.T.E. FIELD SAMPLE LOG

USI H7-2			UMITI					
		- V			****		· · · · · · · · · · · · · · · · · · ·	
								•
. CONTRACT #:	94-C-0037	2. SITE	NAME/LOCA	TION: F	loyd Bennett	Field,	Brooklyn,	NY

4. PERSONNEL ON-SITE:		3 UP THE E				
						,
						
SAMPLE NUMBER	H7-2-1	H7-2-2	H7-2-3	H7-2-4	H7-2-5	
SAMPLE DATE	8/16/95				<u></u>	
TIME OF COLLECTION	1435	1440	1443	1447	1500	
SAMPLE TYPE (G OR C)*	G	G	G	G	G	
SAMPLE DEPTH	6'6"	4'6"	4'6"	4'6"	4'6"	
PRESERVATIVES USED	NA	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
DATA COLLECTED (HNU)	0 ppm	0 ppm	0 ppm	0 ppm		
HNU METER CAL.(?)	YES			<u> </u>	<u></u>	
ANALYSIS REQUIRED	8021 8270				P0-3	
SAMPLE DESCRIPTION	Sand; little	silt			<u></u>	
COLOR	Brown/tan					
SOIL TEXTURE	Granular					
MOTTLES	None	none	none	none		
WEATHER	Sunny, 90	DF				
GROUNDWATER PRESENT	None				,- <u></u>	
ODORS	None					· · · · · · · · · · · · · · · · · · ·
I HEREBY CERTIFY THAT TO						
IS TRUE AND ACCURATE AND CHRIS D. ELLIOTT) IN COMPLI	/ //	~ ()	utt	FICATIONS	s: 2/20/9
NAME	,	SIGNATUR	RE C			DATE

SAMPLE RESULT(S) SUMMARY

Hanger 7, Floyd Bennett Field, New York, UST #H7-2

Field Sample No.:	H7-2-1	H7-2-2	H7-2-3	H7-2-4	H7-2-5
Date:	8/16/95	8/16/95	8/16/95	8/16/95	8/16/95
Depth (Ft.):	6'6"	4'6"	4'6"	4'6"	4'6"

Volatile Organic Compounds (VOAs), EPA Method 8021, (ppb)

Guidance Value, (ppb) Benzene 14 U U U Toluene 100 U U U U U Ethylbenzene 100 U U U U U m-p Xylenes 100 U U U U U o-Xylene 100 U U U U U Ū Ū Ū Ū Ū Isopropylbenzene 100 n-Propylbenzene 100 U U U U U p-Isopropyttoluene 100 U U U U U 1,3,5-Trimethylbenzene 100 U U U U U 1,2,4-Trimethylbenzene 100 U U U U U U t-butylbenzene 100 U U υ U Methyl-t-butylether 100 U U U U U U U sec-Butylbenzene 100 U U U n-Butylbenzene U U U U 100 U Napthalene (8021) 200

Poly-Aromatic Hydrocarbons (PAHs), EPA Method 8270, (ppb)

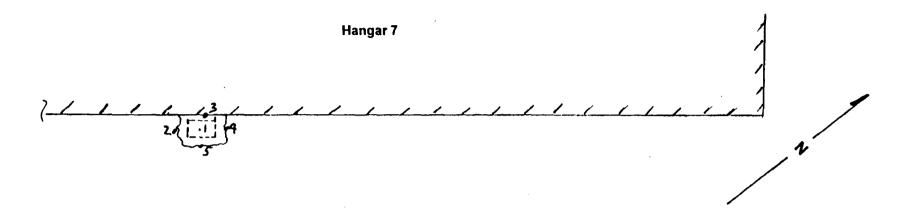
Acenapthene	400	U	U	U	U	U
Fluorene	1000	U	U	U	U	U
Phenanthrene	1000	U	U	U	U	210 J
Anthracene	1000	U	U	U	U	U
Fluoranthene	1000	U	U	U	U	380
Pyrene	1000	U	U	U	U	240 J
Benzo(a)anthracene	.04*	U	U	U	U	160 J
Chrysene	.04*	U	U	U	U	150 J `
Benzo(b)fluoranthene	.04*	U	U	U	U	150 J
Benzo(k)fluoranthene	.04*	U	U	U	U	120 J
Benzo(a)pyrene	.04*	U	U	U	U	150 J
Indeno(1,2,3-cd)pyrene	.04*	U	U	U	U	U
Dibenz(a,h)anthracene	1000	U	U	U	U	U
Benzo(g,h,i)perylene	.04*	U	U	U	υ	υ

^{*} Detection limit for these compounds is 330 ppb in the best of cases.

For the purpose of this summary, in the VOA section, U means less than 1 ppb, and; in the PAH section, U means less than 360 ppb.

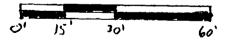


/···



Field ID#	Depth (ft)
H7-2-1	6.5
H7-2-2	4.5
H7-2-3	4.5
H7-2-4	4.5
H7-2-5	4.5
֡	H7-2-1 H7-2-2 H7-2-3 H7-2-4

Scale: 4" = 30



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DEFENSE ENVIRONMENTAL RESTORATION FUND

Removal of Storage Tanks, etc. USACE Project #94-C-0037

GATEWAY NATIONAL RECREATION AREA FLOYD BENNETT FIELD Brooklyn, NY

UST CLOSURE
TANK AND SAMPLE LOCATIONS
UST #H7-2

CLEANING UP THE ENVIRONMENT (C.U.T.E.) 103 GODWIN AVENUE SUITE 237 MIDLAND PARK, NEW JERSEY 07432 (201)427-2881

UST CLOSURE REPORT - H7-3

PAGE 1 OF 3

4

Contract Number: DACA51-94-C-0089 Title: Removal Of Storage Tanks,

Transformers & Miscellaneous, Various Locations, New York

Tank Number: H7-3 Tank Size (Gallons): 500

Tank Dimensions: 3'6"x7" Product(s) Contained: #2 Fuel Oil Volume In Tank (Gallons): Residual Date Removed: 13 DEC 1995

Site Location: Floyd Bennett Field, Brooklyn, New York

SITE HISTORY:

1. Tank/pipe design - Single-layer steel; No monitoring devices present.

- 2. Age of equipment 30+ years.
- 3. History of Spills None.
- 4. Past analytical Results None.
- 5. Well records None.
- 6. **Drinking water wells in vicinity None.**
- 7. Potentially affected areas None.

FIELD OBSERVATIONS:

- 1. Tank and/or pipe Excavation No visually contaminated soil observed in excavation.
- 2. Depth of stained, discolored and/or contaminated soil N/A.
- 3. Sheen N/A.
- 4. Noticeable leaks in pipe joints None.

PAGE 2 OF 3

HANGAR 7, Floyd Bennett Field, New York, UST #7-3 (H7-3)

- 5. Localized areas of corrosion None.
- 6. Holes or pits in tanks and/or pipes None.
- Noticeable odors before, during, and/or after tank excavations -None.
- 8. Groundwater encountered? Depth to groundwater? Volume removed from excavation? None encountered.
- 9. Free product on groundwater? Thickness? N/A.

FIELD MEASUREMENTS AND ANALYSIS:

- 1. Which field instruments were used? HNU-PID.
- 2. Tank removed.

What were the readings from any areas of visual contamination? 0 ppm.

What were the results from headspace analysis taken from the sidewall, bottom of the excavation, and below the bottom of the excavation? 0 ppm.

- **3. Piping removed -** All piping in excavation removed.
- 5. Soil samples; locations; results:*
 - * See soil sample location map included with Field Log, immediately after page (3) of this report.
- 6. Groundwater samples N/A.

LAB MEASUREMENTS AND ANALYSIS:

All laboratory results are listed on sample location map(s). Copies of complete analyses have been submitted under separate cover.

1. Sample collector - Dave Beeman.

PAGE 3 OF 3

HANGAR 7, Floyd Bennett Field, New York, UST #7-3 (H7-3)

- 2. Laboratory methods used for determination of soil contamination -EPA Method 8021 for Volatile Organic(s)(VOAs); EPA Method 8270 for Poly-Aromatic Hydrocarbons (PAHs).
- 3. Total amount of contaminated soil removed for disposal - None.
- Method of disposal N/A. 4.

Disposal facility - N/A.

- 5. Fill source - Bank run; Fred McDowell, Inc.
- 6. Results of analysis of on-site material used for backfill - This UST was located directly under former location of UST #H7-2. All overburden was material used to previously backfill area.
- 7. Further action required? No.
- 8. Area restored? Yes, area backfilled, compacted and graded, and paved.

CONTRACTOR'S CERTIFICATION: I hereby certify that to the best of my knowledge and belief that all information presented here is correct and accurate.

Name: Christopher D. Elliott

Signature: Rusiph J. Junt.

Representing: Cleaning Up The Environment (C.U.T.E.), Midland Park, New

Jersey

Date Report Prepared: 20 FEB 1996

Report Prepared By: Dave Beeman; C.U.T.E.

C.U.T.E. FIELD SAMPLE LOG

UST H7-3

						, •
			··			
SAMPLE NUMBER	H7-3-1	H7-3-2	H7-3-3	H7-3-4	H7-3-5	
SAMPLE DATE	1/16/95	<u> </u>	<u> </u>	t - <u></u>		
TIME OF COLLECTION	1012	1015	1020	1023	1027	
SAMPLE TYPE (G OR C)*	G	G	G	G	G ·	
SAMPLE DEPTH	7'6"	6'	6'	6'	6'	
PRESERVATIVES USED	NA			<u> </u>	<u> </u>	
DATA COLLECTED (HNU)	0 ppm	0 ppm	0 ppm	0 ppm	0 ppm	
HNU METER CAL.(?)	YES			<u> </u>		<u></u>
ANALYSIS REQUIRED	8021 8270					
SAMPLE DESCRIPTION	Sand; little	silt				
COLOR	Brown/tan		· · · · · ·	- 1		-
SOIL TEXTURE	Granular					
MOTTLES	None		·· <u></u>	·		
WEATHER	Cloudy, 35	DF		· · · · · · · · · · · · · · · · · · ·		
GROUNDWATER PRESENT	None		·			
ODORS	None	 ,				
I HEREBY CERTIFY THAT TO						
IS TRUE AND ACCURATE AND CHRIS D. ELLIOTT	D IN COMPL	IANCE WIT	TH CONTRA		FICATIONS	5: 2/20/98
NAME	•	SIGNATUI		4	-	DATE

SAMPLE RESULT(S) SUMMARY

Hanger 7, Floyd Bennett Field, New York, UST #3 (H&-3)

Field Sample No.:	H7-3-1	H7-3-2	H7-3-3	H7-3-4	H7-3-5
Date:	1/16/96	1/16/96	1/16/96	1/16/96	1/16/96
Depth (Ft.):	7.5'	6'	6'	6'	6'

Volatile Organic Compounds (VOAs), EPA Method 8021, (ppb)

Guidance Value, (ppb)

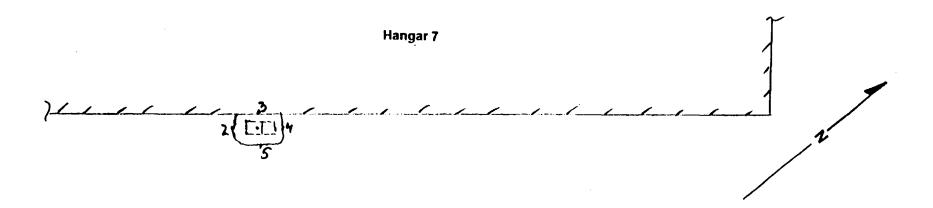
Benzene	14	U	U	U	U	U
Toluene	100	U	U	. U	U	U
Ethylbenzene	100	U	U	U	ับ	U
m-p Xylenes	100	U	U	U	U	U
o-Xylene	100	U	U	U	U	U
isopropylbenzene	100	U	U	U	U	U
n-Propylbenzene	100	U	U	U	U	U
p-Isopropyttoluene	100	U	U	· U	U	U
1,3,5-Trimethylbenzene	100	U	U	U	U	U
1,2,4-Trimethylbenzene	100	U	U	U	U	U
t-butylbenzene	100	U	U	U	U	U
Methyl-t-butylether	100	U	U	U	U	U
sec-Butylbenzene	100	U	U	U	U	U
n-Butylbenzene	100	U	U	U	U	U
Napthalene (8021)	200	U	U	U	U	U

Poly-Aromatic Hydrocarbons (PAHs), EPA Method 8270, (ppb)

Acenapthene	400	U	U	U	110 J	U
Fluorene	1000	U	U	U	100 J	U
Phenanthrene	1000	U	U	41 J	1100	45 J
Anthracene	1000	U	U	U	140 J	U
Fluoranthene	1000	86 J	U	64 J	950	58 J
Pyrene	1000	96 J	U	89 J	1500	60 J
Benzo(a)anthracene	.04*	46 J	U	47 J	440	U
Chrysene	.04*	60 J	U	54 J	510	U
Benzo(b)fluoranthene	.04*	56 J	U	43 J	340 J	U
Benzo(k)fluoranthene	.04*	68 J	U	38 J	420	U
Benzo(a)pyrene	.04*	53 J	U	52 J	430	U
Indeno(1,2,3-cd)pyrene	.04*	U	U	47 J	410	U
Dibenz(a,h)anthracene	1000	U	U	U	U	U
Benzo(g,h,i)perylene	.04*	U	U	64 J	500	U

^{*} Detection limit for these compounds is 330 ppb in the best of cases.

For the purpose of this summary, in the VOA section, U means less than 1 ppb, and; in the PAH section, U means less than 360 ppb.



Sample #	Field ID#	Depth (ft)
1	H7-3-1	7.5
2	H7-3-2	6
3	H7-3-3	6
4	H7-3-4	6
5	H7-3-5	6



DEFENSE ENVIRONMENTAL RESTORATION FUND

Removal of Storage Tanks, etc. USACE Project #94-C-0037

GATEWAY NATIONAL RECREATION AREA FLOYD BENNETT FIELD Brooklyn, NY

> UST CLOSURE TANK AND SAMPLE LOCATIONS UST #H7-3

CLEANING UP THE ENVIRONMENT (C.U.T.E.) 103 GODWIN AVENUE SUITE 237 MIDLAND PARK, NEW JERSEY 07432 (201)427-2881

UST CLOSURE REPORT - 26-1 & 2

PAGE 1 OF 4

Contract Number: DACA51-94-C-037

Title: Removal Of Storage Tanks,

Transformers & Miscellaneous, various Locations, New York

Tank Number:

26-1 & 2

Tank Size (Gallons): 5000

Tank Dimensions: 6'x23'7" Volume in Tank (Gallons): 3500

Product(s) Contained: Gasoline

Date Removed: 24 AUG 1995

Site Location: Floyd Bennett Field, Brooklyn, New York

SITE HISTORY:

1. **Tank/pipe design -** Single-layer steel; No monitoring devices present.

- 2. Age of equipment - 30+ years.
- 3. History of Spills - None.
- 4. Past analytical Results - None.
- 5. Well records - None.
- 6. **Drinking water wells in vicinity - None.**
- 7. Potentially affected areas - None.

FIELD OBSERVATIONS:

- 1. Tank and/or pipe Excavation - Contaminated soil noted in vadose (saturated) zone under former location of concrete encasement vault.*
- 2. Depth of stained, discolored and/or contaminated soil - As noted above.
- 3. Sheen - Yes.
- 4. Noticeable leaks in pipe joints - None.

PAGE 2 OF 4

Building 26, Floyd Bennett Field, New York, UST #'s 1 & 2(26-1 & 26-2)

- 5. Localized areas of corrosion None.
- 6. Holes or pits in tanks and/or pipes None.
- 7. Noticeable odors before, during, and/or after tank excavations Strong gasoline odor noted at vadose zone.
- 8. Groundwater encountered? Depth to groundwater? Volume removed from excavation? 7' below grade, beneath former location of concrete vault.*
- 9. Free product on groundwater? Thickness? Sheen as noted above.

FIELD MEASUREMENTS AND ANALYSIS:

- 1. Which field instruments were used? HNU-PID.
- 2. Tank removed.

What were the readings from any areas of visual contamination? 100 ppm.

What were the results from headspace analysis taken from the sidewall, bottom of the excavation, and below the bottom of the excavation? 250 ppm.

- **3. Piping removed -** All piping in excavation removed.
- 5. Soil samples; locations; results:*
 - * See soil sample location map included with Field Log, immediately after page (3) of this report.
- 6. Groundwater samples NA.

LAB MEASUREMENTS AND ANALYSIS:

All laboratory results are listed on sample location map(s). Copies of complete analyses have been submitted under separate cover.

1. Sample collector - David Beeman.

PAGE 3 OF 4

Building 26, Floyd Bennett Field, New York, UST #'s 1 & 2(26-1 & 26-2)

- 2. Laboratory methods used for determination of soil contamination EPA Method 8021 for Volatile Organic(s)(VOAs).
- 3. Total amount of contaminated soil removed for disposal None. Contaminated material all located in vadose zone. Too much water in soil to properly remove and stockpile.*
- 4. Method of disposal N/A.

Disposal facility - N/A.

- 5. Fill source Bank run; Fred McDowell, Inc.
- **6.** Results of analysis of on-site material used for backfill Clean, sample results included with analytical reports from samples taken beneath USTs.
- 7. Further action required? *Yes, however, due to the fact that these USTs were encased in concrete and where in perfect condition at the time of removal, the location of petroleum contamination beneath the former location of the vault in the vadose zone would indicate that perhaps there where other USTs at this location prior to installation of the vault, and that those USTs must have leaked. The other possibility is that there is (are) other gasoline USTs in the area that are leaking, and that a contaminated plume has developed and has spread into surrounding soils/ground-water. Strongly recommend installation of ground-water monitoring wells followed by *in situ* treatment of soils/ground-water via bioremediation/degradation.
- 8. Area restored? Yes, backfilled with clean sand, compacted and graded.

PAGE 4 OF 4

Building 26, Floyd Bennett Field, New York, UST #'s 1 & 2(26-1 & 26-2)

CONTRACTOR'S CERTIFICATION: I hereby certify that to the best of my knowledge and belief that all information presented here is correct and accurate.

Name: Christopher D. Elliott

Signature: hutphe D. Just

Representing: Cleaning Up The Environment (C.U.T.E.), Midland Park, New

Jersey

Date Report Prepared: 20 FEB 1996

Report Prepared By: David Beeman, representing C.U.T.E.; Revised by

Christopher D. Elliott.

NYSDEC Spill #95-06406

C.U.T.E. FIELD SAMPLE LOG

USTs 26-1 &2

CHRIS D. ELLIOTT

NAME

1. CONTRACT #: 94-C-0037 3. SAMPLER/AFFILIATION: 0					eld, Blocki	yii, ivit	
4. PERSONNEL ON-SITE:		UP THE E					
						,	
			•			·	
CAMPLE MUMBER	loo i	200		laa .	Ioo 5	00.0	
SAMPLE NUMBER	26-1	26-2	26-3	26-4	26-5	26-6 OVER	
SAMPLE DATE	1/16/95	<u> </u>	<u> </u>		<u> </u>	<u> </u>	
TIME OF COLLECTION	1100	1105	1108	1111	1115	1120	
SAMPLE TYPE (G OR C)*	G	G	G	G	G	С	
SAMPLE DEPTH	7'6"	6'	6'	6'	6'	NA	
PRESERVATIVES USED	NA	<u> </u>		I	<u></u>	<u></u>	
DATA COLLECTED (HNU)	0 ppm	0 ppm	0 ppm	0 ppm	100 ppm	0 ppm	
HNU METER CAL.(?)	YES	<u> </u>	<u> </u>	<u>.</u>	<u> </u>	J	
ANALYSIS REQUIRED	8021						
SAMPLE DESCRIPTION	Sand; little	Sand; little silt					
COLOR	Brown/tan						
SOIL TEXTURE	Moist & gra	anular					
MOTTLES	None					<u> </u>	
WEATHER	Sunny, 85	DF					
GROUNDWATER PRESENT	Ground-wa	iter present	7' below gr	ade		NA	
ODORS	None	······································		· · · · · · · · · · · · · · · · · · ·	Gas	None	

DATE

C.U.T.E. FIELD SAMPLE LOG

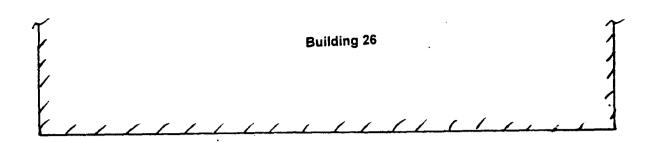
USTs 26-1 &2

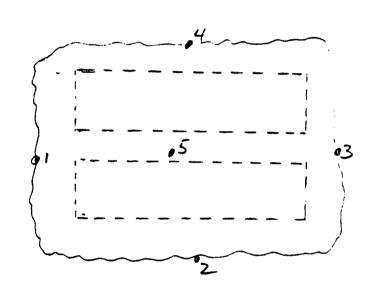
1. CONTRACT #94-C-0037	2. SITE NAME/LOCATION: Floyd Bennett Field, Brooklyn, NY
3. SAMPLER/AFFILIATION:	CHRIS D. ELLIOTT/TRI-GEM BUILDERS
4. PERSONNEL ON-SITE:	CLEANING UP THE ENVIRONMENT

				-		
SAMPLE NUMBER	26-7		I		1	
	OVER					
SAMPLE DATE	8/24/95					
TIME OF COLLECTION	1122	·		•	ļ	
SAMPLE TYPE (G OR C)*	С	 				
SAMPLE TIPE (G OR C)						
SAMPLE DEPTH	NA					
PRESERVATIVES USED	NA					
DATA COLLECTED (HNU)	0 ppm					
HNU METER CAL.(?)	YES		<u> </u>			
THO METER OAL.	1'-0					1
ANALYSIS REQUIRED	8021	 				
			i i			
SAMPLE DESCRIPTION	Sand; little	nilt		<u> </u>		ļ
SAMPLE DESCRIPTION	Sanu, iillie	: SIII				
COLOR	Brown/	T				
	tan					
SOIL TEXTURE	Dry and gr	anular	-			
	 	,		,		
MOTTLES	None					
WEATHER	Sunny 90	D F, low hu	midity	<u> </u>		
		D . ,				
GROUNDWATER PRESENT	NA					
	<u> </u>		,			
ODORS	None					
I HEREBY CERTIFY THAT TO	THE DEST	DE MAY KNIC	W/LEDGE	ALL DATA	DDECENT	D UEDE
IS TRUE AND ACCURATE AND						
CHRIS D. ELLIOTT			- \/.	udt		2/20/96
NAME		SIGNATUR			-	DATE
			<u> </u>			

SAMPLE SUMMARY - GASOLINE USTs 26-1 & 26-2 - FLOYD BENNETT FIELD, BROOKLYN, NY

Field Sample No.:		26-1	26-2	26-3	26-4	26-5	26-6	26-7
Lab Sample No.:		T508424-1	T508424-2	T508424-3	T508424-4	T508424-5	T508424-6	T508424-7
Date:		8/24/95	8/24/95	8/24/95	8/24/95	8/24/95	8/24/95	8/24/95
Depth(ft.):		4	4	4	4	7	NA	NA
Volatile Compounds, ppb								
	Guidance							
	Value (ppb)							
Benzene	14	U	U	U	U	21	U	U
Taluene	100	U	U	U	U	24	U	U
Ethylbenzene	100	U	0.56	U	U	100	U	U
m,p-Xylenes	100	U	U	U	U	330	U	U
o-Xylenes	100	U	1.1	U	U	150	U	U
isopropylbenzene	100	U	2	U	U	180	U	U
n-Propylbenzene	100	U	37	U	U	2100	U	U
p-Isopropyltoluene	100	U	3.7	U	U	61	U	U
1,3,5-Trimethylbenzene	100	0.6	2.3	U	U	450	U	U
1,2,4-Trimethylbenzene	100	0.92	1.5	U	U	1200	U	U
t-Butylbenzene	100	U	12	U	U	860	U	U
Methyl-t-butylether	100	U	U	U	U	U	U	U
sec-Butylbenzene	100	U	4.1	U	U	130	U	U
n-Butylbenzene	100	U	1.2	U	U	550	U	U
Naphthalene	200	5	0.83	U	U	1300	U	0.91





Samp #	Field ID#	Depth (ft)
1	26-1	4
2	26-2	4
3	26-3	4
4	26-4	4
5	26-5	7
Over Burden	26-6	NA.
Over Burden	26-7	NA.

Scale: 1" = 20'

DEFENSE ENVIRONMENTAL RESTORATION FUND

Removal of Storage Tanks, etc. USACE Project #94-C-0037

GATEWAY NATIONAL RECREATION AREA FLOYD BENNETT FIELD Brooklyn, NY

> UST CLOSURE TANK AND SAMPLE LOCATIONS UST's #26-1 & #26-2

CLEANING UP THE ENVIRONMENT (C.U.T.E.) 103 GODWIN AVENUE SUITE 237 MIDLAND PARK, NEW JERSEY 07432 (201)427-2881

UST CLOSURE REPORT - 86

PAGE 1 OF 3

Contract Number: DACA51-94-C-0097

Title: Removal Of Storage Tanks,

Transformers & Miscellaneous, Various Locations, New York

Tank Number:

Tank Size (Gallons): 5000

Tank Dimensions:

5'4"x30'

Product(s) Contained: Diesel

Volume In Tank (Gallons): Residual

Date Removed: 19 APR 1995

Site Location:

Floyd Bennett Field, Brooklyn, New York

SITE HISTORY:

- 1. **Tank/pipe design -** Single-layer steel; No monitoring devices present.
- 2. Age of equipment - 30+ years.
- 3. History of Spills - None.
- 4. Past analytical Results - None.
- 5. Well records - None.
- 6. **Drinking water wells in vicinity - None.**
- **7**. Potentially affected areas - None.

FIELD OBSERVATIONS:

- 1. Tank and/or pipe Excavation - No visually contaminated soil observed in excavation. Contamination noted in extended pipe trench running along North side of building.
- 2. Depth of stained, discolored and/or contaminated soil - To 4'6" in pipe trench.
- 3. Sheen - None.
- 4. Noticeable leaks in pipe joints - Yes.

Building 86, Floyd Bennett Field, New York, UST #86

- Localized areas of corrosion None.
- **6. Holes or pits in tanks and/or pipes -** Entire extended pipe run was pitted and had obvious holes.
- 7. Noticeable odors before, during, and/or after tank excavations None.
- 8. Groundwater encountered? Depth to groundwater? Volume removed from excavation? None encountered.
- **9.** Free product on groundwater? Thickness? None.

FIELD MEASUREMENTS AND ANALYSIS:

- 1. Which field instruments were used? HNU-PID.
- 2. Tank removed.

What were the readings from any areas of visual contamination? 0-5 ppm (pipe run).

What were the results from headspace analysis taken from the sidewall, bottom of the excavation, and below the bottom of the UST excavation? 0 PPM.

- 3. **Piping removed -** All piping removed including extended run noted above.
- 5. Soil samples; locations; results:*
 - * See soil sample location map included with Field Log, immediately after page (3) of this report.
- 6. Groundwater samples NA.

LAB MEASUREMENTS AND ANALYSIS:

All laboratory results are listed on sample location map(s). Copies of complete analyses have been submitted under separate cover.

1. Sample collector - David Beeman.

PAGE 3 OF 3

Building 86, Floyd Bennett Field, New York, UST #86

- 2. Laboratory methods used for determination of soil contamination EPA Method 8021 for Volatile Organic(s)(VOAs); EPA Method 8270 for Poly-Aromatic Hydrocarbon(s)(PAHs).
- **3.** Total amount of contaminated soil removed for disposal Approx. 50 CYS.
- Method of disposal Recycling.

Disposal facility - Mount Hope Recycling, NJ.

- 5. Fill source Bank run; Fred McDowell, Inc.
- 6. Results of analysis of on-site material used for backfill Clean, sample results included with analytical reports from samples taken beneath USTs.
- 7. Further action required? Yes, further excavation and removal of contaminated soil from pipe trench in the areas from Sample #'s L2 through L4. (See sample log and map). No ground-water investigation necessary.
- 8. Area restored? Yes, backfilled with clean sand, compacted and graded.

CONTRACTOR'S CERTIFICATION: I hereby certify that to the best of my knowledge and belief that all information presented here is correct and accurate.

Name: Christopher D. Elliott

Signature: hustopher D. Jawary

Representing: Cleaning Up The Environment (C.U.T.E.), Midland Park, New

Jersey

Date Report Prepared: 20 FEB 1996

Report Prepared By: David Beeman, C.U.T.E.; Revised by Christopher D.

Elliott

NOTE: No NYSDEC # generated at time of UST and piping removal.

C.U.T.E. FIELD SAMPLE LOG

UST 86

1.	CONTRACT #: 94-C-0037	2. SITE NAME/LOCATION: Floyd Bennett Field, Brooklyn, NY
3.	SAMPLER/AFFILIATION:	CHRIS D. ELLIOTT/TRI-GEM BUILDERS
4.	PERSONNEL ON-SITE:	CLEANING UP THE ENVIRONMENT
Γ		

SAMPLE DATE FIME OF COLLECTION SAMPLE TYPE (G OR C)* SAMPLE DEPTH PRESERVATIVES USED DATA COLLECTED (HNU) HNU METER CAL.(?) ANALYSIS REQUIRED	4/19/95 1435 G 4'6" NA		G	1444 G		1505				
SAMPLE TYPE (G OR C)* SAMPLE DEPTH PRESERVATIVES USED DATA COLLECTED (HNU) HNU METER CAL.(?)	G 4'6" NA	G	G			150				
PRESERVATIVES USED DATA COLLECTED (HNU) HNU METER CAL.(?)	4'6" NA			G						
PRESERVATIVES USED DATA COLLECTED (HNU) HNU METER CAL.(?)	NA	4'6"		I	G	С				
DATA COLLECTED (HNU)		1	4'6"	4'6"	7'	NA				
HNU METER CAL.(?)		NA NA								
	0 ppm	0 ppm	0 ppm	0 ppm	0 ppm	0 ppm				
ANALYSIS REQUIRED	YES		<u> </u>							
	8021 8270		, , , , , , , , , , , , , , , , , , , 	· <u>·</u>						
SAMPLE DESCRIPTION	Sand, little silt									
COLOR	Brown/tan									
SOIL TEXTURE	Dry & granular									
MOTTLES	None									
WEATHER	Sunny, 75 D F									
GROUNDWATER PRESENT	None			·						
DDORS	None		<u> </u>	· · · · · · · · · · · · · · · · · · ·		<u> </u>				
HEREBY CERTIFY THAT TO T S TRUE AND ACCURATE AND CHRIS D. ELLIOTT		_			L PRESENTE	D HERE				

C.U.T.E. FIELD SAMPLE LOG

1107	-
1181	×

3. SAMPLER/AFFILIATION: CHRIS D. ELLIOTT/TRI-GEM BUILDERS 4. PERSONNEL ON-SITE: CLEANING UP THE ENVIRONMENT SAMPLE NUMBER SAMPLE NUMBER SAMPLE DATE 4/19/95 8/23/95 TIME OF COLLECTION 1506 1410 1425 1420 1425 SAMPLE TYPE (G OR C)* C G G G G SAMPLE DEPTH NA 2' 3' 3' 4'6" PRESERVATIVES USED NA DATA COLLECTED (HNU) 0 ppm HNU METER CAL.(?) ANALYSIS REQUIRED 8021 8270 SAMPLE DESCRIPTION Sand; little silt COLOR Brown/ tan SOIL TEXTURE Dry and granular MOTTLES None WEATHER Sunny, 75 D F GROUNDWATER PRESENT NA ODORS None I HEREBY CERTIFY THAT TO THE BEST OF MY KNOWLEDGE ALL DATA PRESENTED HERE IS TRUE AND ACCURATE AND IN COMPLIANCE WITH CONTRACT SPECIFICATIONS:									
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SOIL TEXTURE Dry and granular MOTTLES None WEATHER Sunny, 75 D F GROUNDWATER PRESENT NA ODORS None I HEREBY CERTIFY THAT TO THE BEST OF MY KNOWLEDGE ALL DATA PRESENTED HERE IS TRUE AND ACCURATE AND IN COMPLIANCE WITH CONTRACT SPECIFICATIONS: CHRIS D. ELLIOTT 2/20/96	<u></u>	Sand, nittle sint							
SOIL TEXTURE Dry and granular MOTTLES None WEATHER Sunny, 75 D F GROUNDWATER PRESENT NA ODORS None I HEREBY CERTIFY THAT TO THE BEST OF MY KNOWLEDGE ALL DATA PRESENTED HERE IS TRUE AND ACCURATE AND IN COMPLIANCE WITH CONTRACT SPECIFICATIONS: CHRIS D. ELLIOTT 2/20/96	COLOR	Brown/							
MOTTLES None WEATHER Sunny, 75 D F GROUNDWATER PRESENT NA ODORS None I HEREBY CERTIFY THAT TO THE BEST OF MY KNOWLEDGE ALL DATA PRESENTED HERE IS TRUE AND ACCURATE AND IN COMPLIANCE WITH CONTRACT SPECIFICATIONS: CHRIS D. ELLIOTT Dry and granular None 2/20/96	OCECIA	1 I							
MOTTLES None WEATHER Sunny, 75 D F GROUNDWATER PRESENT NA ODORS None I HEREBY CERTIFY THAT TO THE BEST OF MY KNOWLEDGE ALL DATA PRESENTED HERE IS TRUE AND ACCURATE AND IN COMPLIANCE WITH CONTRACT SPECIFICATIONS: CHRIS D. ELLIOTT 2/20/96	SOIL TEXTLIPE								
WEATHER Sunny, 75 D F GROUNDWATER PRESENT NA ODORS None I HEREBY CERTIFY THAT TO THE BEST OF MY KNOWLEDGE ALL DATA PRESENTED HERE IS TRUE AND ACCURATE AND IN COMPLIANCE WITH CONTRACT SPECIFICATIONS: CHRIS D. ELLIOTT 2/20/96	SOIL TEXTORE	Dry and granular							
WEATHER Sunny, 75 D F GROUNDWATER PRESENT NA ODORS None I HEREBY CERTIFY THAT TO THE BEST OF MY KNOWLEDGE ALL DATA PRESENTED HERE IS TRUE AND ACCURATE AND IN COMPLIANCE WITH CONTRACT SPECIFICATIONS: CHRIS D. ELLIOTT 2/20/96	MOTTLES	None							
T5 D F GROUNDWATER PRESENT NA ODORS None I HEREBY CERTIFY THAT TO THE BEST OF MY KNOWLEDGE ALL DATA PRESENTED HERE IS TRUE AND ACCURATE AND IN COMPLIANCE WITH CONTRACT SPECIFICATIONS: CHRIS D. ELLIOTT 2/20/96	MOTILES	None							
T5 D F GROUNDWATER PRESENT NA ODORS None I HEREBY CERTIFY THAT TO THE BEST OF MY KNOWLEDGE ALL DATA PRESENTED HERE IS TRUE AND ACCURATE AND IN COMPLIANCE WITH CONTRACT SPECIFICATIONS: CHRIS D. ELLIOTT 2/20/96	SAFFATUED	Curry	10.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	5-					
ODORS None I HEREBY CERTIFY THAT TO THE BEST OF MY KNOWLEDGE ALL DATA PRESENTED HERE IS TRUE AND ACCURATE AND IN COMPLIANCE WITH CONTRACT SPECIFICATIONS: CHRIS D. ELLIOTT 2/20/96	WEATHER		Sunny, 90	DF					
ODORS I HEREBY CERTIFY THAT TO THE BEST OF MY KNOWLEDGE ALL DATA PRESENTED HERE IS TRUE AND ACCURATE AND IN COMPLIANCE WITH CONTRACT SPECIFICATIONS: CHRIS D. ELLIOTT 2/20/96	CONTRACTOR DESCRIPTION								
I HEREBY CERTIFY THAT TO THE BEST OF MY KNOWLEDGE ALL DATA PRESENTED HERE IS TRUE AND ACCURATE AND IN COMPLIANCE WITH CONTRACT SPECIFICATIONS: CHRIS D. ELLIOTT 2/20/96	GROUNDWATER PRESENT	NA							
I HEREBY CERTIFY THAT TO THE BEST OF MY KNOWLEDGE ALL DATA PRESENTED HERE IS TRUE AND ACCURATE AND IN COMPLIANCE WITH CONTRACT SPECIFICATIONS: CHRIS D. ELLIOTT 2/20/96		 							
IS TRUE AND ACCURATE AND IN COMPLIANCE WITH CONTRACT SPECIFICATIONS: CHRIS D. ELLIOTT 2/20/96	ODORS	None							
IS TRUE AND ACCURATE AND IN COMPLIANCE WITH CONTRACT SPECIFICATIONS: CHRIS D. ELLIOTT 2/20/96									
CHRIS D. ELLIOTT / how) with 2/20/96									
	IS TRUE AND ACCURATE AND IN COMPLIANCE WITH CONTRACT SPECIFICATIONS:								
NAME SIGNATURE (DATE	CHRIS D. ELLIOTT		1 hos	D. The	**		2/20/96		
	NAME	SIGNATURE (

SAMPLE RESULTS SUMMARY - DIESEL UST 86 - FLOYD BENNETT FIELD, BROOKLYN, NY

Field Sample No.:		TP86-001	TP86-001	TP86-001	TP86-001	TP86-001	TP86-001	TP86-001
Lab Sample No.:		T504314-1	T504314-2	T504314-3	T504314-4	T504314-5	T504314-6	T504314-1
Date:		4/19/95	4/19/95	4/19/95	4/19/95	4/19/95	4/19/95	4/19/95
Depth(ft.):		4.5	4.5	4.5	4.5	7	NA	NA
Volatile Compounds, ppb								
	Guidance							
	Value (ppb)							
Benzene	14	U	U	U	U	U	U	U
Toluene	100	0.76	U	U	U	Ü	U	1.4
Ethylbenzene	100	U	U	U	U	U	U	1.4
m,p-Xylenes	100	U	U	U	U	U	U	4.4
o-Xylenes	100	U	U	U	U	U	U	1.6
Isopropylbenzene	100	U	U .	U	U	U	U	U
n-Propylbenzene	100	U	U	U	U	U	·U	U
p-isopropyltoluene	100	U	U	U	U	U	U	U
1.3,5-Trimethylbenzene	100	U	U	U	U	U	U	U
1.2.4-Trimethylbenzene	100	U	U	0.56	U	U	U	1.8
t-Butylbenzene	100	U	U	U	U	U	U	υ
Methyl-t-butylether	100	U	U	U	U	U	U	U
sec-Buty/benzene	100	υ	U	U	U	U	U	U
n-Butylbenzene	100	U	U	U	U	U	U	U
Naphthalene	200	U	U	U	U	U	U	U
Semi-volatile Compounds,	ppb						•	
Naphthalene	200*	U	U	U	U	U	U	υ
Acenaphthene	400	U	U	U	U	U	U	U
Fluorene	1000	U	U	U	U	U	U	U
Phenanthrene	1000	U	U	U	U	U	U	U
Anthracene	1000	U	U	U	U	U	U	U
Fluoranthene	1000	65J	U	78J	U	U	U	U
Pyrene	1000	52J	U	79J	U	U	υ	U
Benzo(a)anthracene	.04*	Ü	U	4 9J	U	U	U	U
Chrysene	.04*	6 6J	U	87J	U	IJ	U	υ
Benzo(b)fluoranthene	.04*	87J	U	110J	υ	U	U	υ
Benzo(k)fluoranthene	.04*	6 9J	U	100J	U	U	U	U
Benzo(a)pyrene	.04*	50J	υ	61J	U	U	U	TU .
Indeno(1,2,3-cd)pyrene	.04*	45J	U	63J	U	U	U	U
Dibenz(a,h)anthracene	1000	U	U	U	U	U	U	U
Benzo(g,h,i)perylene	.04*	55J	U	75J	U	U	U	U

^{*}Detection Limit is 330 ppb for semi-volatile compounds

J - Compound was detected below the method detection limit. Concentration given is an estimate.

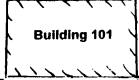
SAMPLE RESULTS SUMMARY - DIESEL UST 86 - FLOYD BENNETT FIELD, BROOKLYN, NY

Field Sample No.:		L86-1	L86-2	L86-3	L86-4	
Lab Sample No.:		T508424-15	T508424-16	T508424-17	T508424-18	
Date:		8/23/95	8/23/95	8/23/95	8/23/95	
Depth(ft.):		4.5	4.5	4.5	7	
Volatile Compounds, ppb						
	Guidance					
•	Value (ppb)					
Вепzепе	14	, U	U	U	U	
Toluene	100	U	U	U	U	
Ethylbenzene	100	U	U	U	U	
m,p-Xylenes	100	U	U	U	U	
o-Xylenes	100	. U	U	U	U	
Isopropylbenzene	100	U	U	U	U	
n-Propylbenzene	100	U	U	U	U	
p-isopropyltoluene	100	U	U	U	U	
1,3,5-Trimethylbenzene	100	U	U	U	U	
1,2,4-Trimethylbenzene	100	U	U	U	U	
t-Butylbenzene	100	U	U	U	U	
Methyl-t-butylether	100	U	U	U	U	
sec-Butylbenzene	100	U	U	U	U	
n-Butylbenzene	100	U	U	U	U	
Naphthalene	200	U	U	U	U	
Semi-volatile Compounds, ppb						041
Naphthalene	200°	U	U	95J	2400D	Question able
Acenaphthene	400	U	U	140J	620JD \	
Fluorene	1000	U	U	130J	U) Question abl C
Phenanthrene	1000	U	670	980	U //	
Anthracene	1000	U	170J	220J	1700D	•
Fluoranthene	1000	U	1800	1200	U	
Pyrene	1000	U	1600	990	U	
Benzo(a)anthracene	.04*	U	870	610	U	
Chrysene	.04*	U	860	620	U	
Benzo(b)fluoranthene	.04*	Ū	700	430	Ü	
Benzo(k)fluoranthene	.04*	Ū	650	530	Ū	
Benzo(a)pyrene	.04*	Ü	830	510	Ū	
Indeno(1,2,3-cd)pyrene	.04*	U	540	350J	U	
Dibenz(a,h)anthracene	1000	U	U	U	U	
• • • •			-		-	

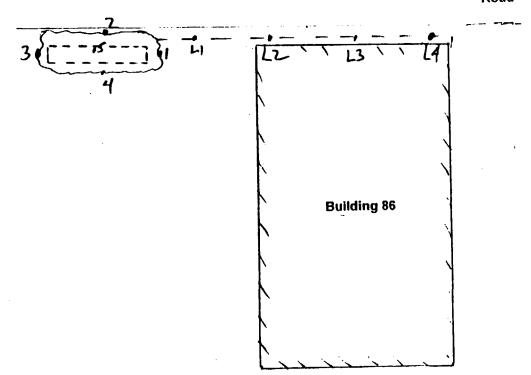
^{*}Detection Limit is 330 ppb for semi-volatile compounds

Compound was detected below the method detection limit. Concentration given is an estimate.

DDilution of sample was performed, concentration is an estimate, possibly over stated.



Road



Samp #	Field ID#	Depth (ft)
.1		

	· · · · · · · · · · · · · · · · · · ·	Deptifyity
1	TP86-001	4.5
2	TP86-002	4.5
3	TP86-003	4.5
4	TP86-004	4.5
5	TP86-005	7
Over Burden	TP86-006	NA
Over Burden	TP86-007	NA
L1	L86-1	2
L2	L86-2	3
L3	L86-3	3
L4	L86-4	4.5

Scale: 1" = 30'



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DEFENSE ENVIRONMENTAL RESTORATION FUND

Removal of Storage Tanks, etc. USACE Project #94-C-0037

GATEWAY NATIONAL RECREATION AREA FLOYD BENNETT FIELD Brooklyn, NY

> UST CLOSURE TANK AND SAMPLE LOCATIONS UST #86

CLEANING UP THE ENVIRONMENT (C.U.T.E.) 103 GODWIN AVENUE SUITE 237 MIDLAND PARK, NEW JERSEY 07432 (201)427-2881

UST CLOSURE REPORT - 88

PAGE 1 OF 3

Contract Number:

DACA51-94-C-0037

Title: Removal Of Storage Tanks,

Transformers & Miscellaneous, Various Locations, New York

Tank Number:

Tank Size (Gallons): 2500

Tank Dimensions:

5'4"x15'

Product(s) Contained: Diesel

Date Removed: 17 AUG 1995

Volume In Tank (Gallons): 2500

Site Location: Floyd Bennett Field, Brooklyn, New York

SITE HISTORY:

- 1. Tank/pipe design - Single-layer steel; No monitoring devices present.
- 2. Age of equipment - 30+ years.
- 3. History of Spills - None.
- 4. Past analytical Results - None.
- Well records None. 5.
- 6. Drinking water wells in vicinity - None.
- 7. . Potentially affected areas - None.

FIELD OBSERVATIONS:

- 1. Tank and/or pipe Excavation - Visually contamination soil noted in extended in UST excavation around and under former location.
- 2. Depth of stained, discolored and/or contaminated soil - To groundwater.
- Sheen Yes. 3.
- 4. Noticeable leaks in pipe joints - None.

Building 88, Floyd Bennett Field, New York, UST #88

- 5. Localized areas of corrosion None.
- 6. Holes or pits in tanks and/or pipes None.
- 7. Noticeable odors before, during, and/or after tank excavations Upon exposure of contaminated soil.
- 8. Groundwater encountered? Depth to groundwater? Volume removed from excavation? Ground-water encountered at 8'6" below grade.
- **9. Free product on groundwater? Thickness?** Sheen as noted above.

FIELD MEASUREMENTS AND ANALYSIS:

- 1. Which field instruments were used? HNU-PID.
- 2. Tank removed.

What were the readings from any areas of visual contamination? 0 ppm.

What were the results from headspace analysis taken from the sidewall, bottom of the excavation, and below the bottom of the UST excavation? 100 PPM.

- **3. Piping removed -** All piping in excavation removed.
- 5. Soil samples; locations; results:*
 - * See soil sample location map included with Field Log, immediately after page (3) of this report.
- 6. Groundwater samples NA.

LAB MEASUREMENTS AND ANALYSIS:

All laboratory results are listed on sample location map(s). Copies of complete analyses have been submitted under separate cover.

1. Sample collector - David Beeman.

UST CLOSURE REPORT

PAGE 3 OF 3

Building 88, Floyd Bennett Field, New York, UST #88

- 2. Laboratory methods used for determination of soil contamination EPA Method 8021 for Volatile Organic(s)(VOAs); EPA Method 8270 for Poly-Aromatic Hydrocarbon(s)(PAHs).
- **3.** Total amount of contaminated soil removed for disposal Approx. 50 CYS.
- 4. Method of disposal Recycling.

Disposal facility - Mount Hope Recycling, NJ.

- 5. Fill source Bank run; Fred McDowell, Inc.
- 6. Results of analysis of on-site material used for backfill All overburden removed from excavation and stockpiled as contaminated for later disposal.
- 7. Further action required? Yes, ground-water investigation is recommended. Suggest installation of monitoring wells with regular sampling for VOAs and PAHs.
- **8. Area restored?** Yes, backfilled with clean sand, compacted, graded, seeded and mulched

CONTRACTOR'S CERTIFICATION: I hereby certify that to the best of my knowledge and belief that all information presented here is correct and accurate.

Name: Christopher D. Elliott

Signature: (hustyphen) just

Representing: Cleaning Up The Environment (C.U.T.E.), Midland Park, New

Jersey

Date Report Prepared: 20 FEB 1996

Report Prepared By: David Beeman, C.U.T.E.; Revised by Christopher D.

Elliott

NYSDEC Spill #95-06090

C.U.T.E. FIELD SAMPLE LOG

UST 88

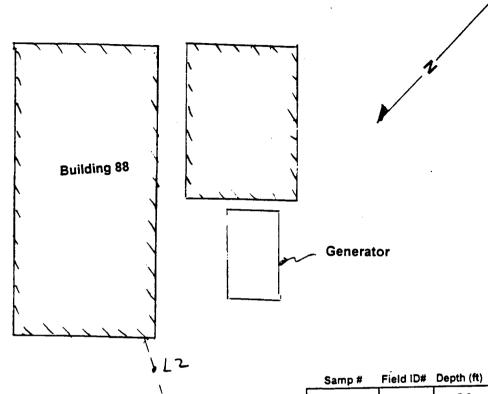
1. CONTRACT #: 94-C-0037	2 SITE N/	AME/LOCA	TION: Floyd	I Bennett E	ield Brookl	vn NV
3. SAMPLER/AFFILIATION: C					ield, brookly	yii, in t
4. PERSONNEL ON-SITE:			ENVIRONM			
4. PERSUNNEL UN-SHE.	CLEANING	S UP INC C	<u> </u>	EINI		-
			-			-
						
						
SAMPLE NUMBER	88-1	88-2	88-3	88-4	88-5	88-6
				<u> </u>	<u> </u>	OVER
SAMPLE DATE	8/16/95	ı				
				• • • • • • • • • • • • • • • • • • • •		
TIME OF COLLECTION	1535	1540	1544	1548	1557	1602
<u>{</u>						<u> </u>
SAMPLE TYPE (G OR C)*	G	G	G	G	G	G
		<u> </u>	<u> </u>	<u> </u>	<u> </u>	
SAMPLE DEPTH	7'6"	7'6"	7'6"	7'6"	1'6"	1'6"
·		1	'		1	
PRESERVATIVES USED	NA	A				
	1					
DATA COLLECTED (HNU)	0 ppm	0 ppm	0 ppm	0 ppm	0 ppm	0 ppm
5 ,,			FF	C FF	FF:::	
HNU METER CAL.(?)	YES			<u> </u>		<u> </u>
THO METER CHECK	1'					
ANALYSIS REQUIRED	8021					, , , , , , , , , , , , , , , , , , ,
ANALI DIO NEGO.: CD	8270					
	72.5					
	I					
SAMPLE DESCRIPTION	Sand; little	- ailt				·
SAMPLE DESCRIPTION	Sanu, nuic	/ SIIL				
20, 00	7					
COLOR	Brown/tan					
	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2					
SOIL TEXTURE	Dry & gran	iular				
	 					
MOTTLES	None					
		- <u></u>				
WEATHER	Sunny, 80	DF				
GROUNDWATER PRESENT	None					Γ
·						
ODORS	None				T	
I HEREBY CERTIFY THAT TO	THE BEST (OF MY KNO	WLEDGE	ALL DATA	PRESENT	ED HERE
IS TRUE AND ACCURATE AND	D IN COMPL	.IANÇE YVIT	TH_CONT)R/	ACT SPECI	FICATIONS	S:
CHRIS D. ELLIOTT		/ hu	D. TU	ist d		2/20/96
NAME		SIGNATUR			-	DATE
		VICE	. \			

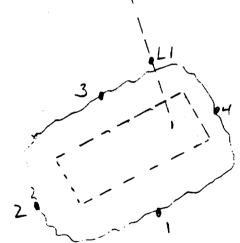
SAMPLE RESULTS SUMMARY - DIESEL UST 88 - FLOYD BENNETT FIELD, BROOKLYN, NY

Field Sample No.:		88-1	88-2	88-3	88-4	88-5	88-6
Lab Sample No.:		T508274-10	T508274-11	T508274-12	T508274-13	T508274-14	T508274-15
Date:		8/17/95	8/17/95	8/17/95	8/17/95	8/17/95	8/17/95
Depth(ft.):		7.5	7.5	7.5	7.5	1.5	1.5
Volatile Compounds, ppb							•
	Guidance						
_	Value (ppb)						
Benzene	14	U ,	U	U	U	U	U
Toluene	100	U	U	U	U	U	U
Ethylbenzene	100	U	U	U	U	U	U
m,p-Xylenes	100	U	U	U	U	U	U
o-Xylenes	100	U	U	U	U	U	U
Isop ropylbenzene	100	U	U	U	U	U	U
n-Propylbenzene	100	U	U	U	U	U	U
p-isopropyltoluene	100	U	U	U	U	U	U
1,3,5-Trimethylbenzene	100	U	U	บ	U	U	U
1,2,4-Trimethylbenzene	100	U	U	U	U	U	U
t-Butylbenzene	100	U	U	U	U	U	U
Methyl-t-butylether	100	U	U	U	U	U	U
sec-Butylbenzene	100	υ	U	U	U	U	U
n-Butylbenzene	100	U	U	U	U	U	U
Naphthalene	200	U	U	U	υ	U	U
Semi-volatile Compounds, pp	h						
Naphthalene	200*	U	U	U	U	U	U
Acenaphthene	400	U	U	U	Ü	U	Ü
Fluorene	1000	U	U	U	Ú	U	U
Phenanthrene	1000	U	U	160J	U	U	U
Anthracene	1000	U	Ü	U	Ü	U	Ü
Fluoranthene	1000	U	Ü	330J	Ü	150J	U
Pyrene	1000	Ü	U	230J	Ü	U	υ
Benzo(a)anthracene	.04*	Ü	U	90J	U	U	U
Chrysene	.04*	U	Ü	130J	U	74J	U
Benzo(b)fluoranthene	.04*	U	U	100J	U	/43 U	U
Benzo(k)fluoranthene	.04*	U	U	1003	U	U	U
Benzo(a)pyrene	.04 .04*	U	U	U 1003	U	U	
Indeno(1,2,3-cd)pyrene	.04*	U	U		U		U
· · ·				U		U	U
Dibenz(a,h)anthracene	1000	U	U	U	U	U	U
Benzo(g.h,i)perylene	.04*	U	υ	U	U	U	υ

^{*}Detection Limit is 330 ppb for semi-volatile compounds

J - Compound was detected below the method detection limit. Concentration given is an estimate.





Samp #	Field ID#	Depth (ft)
1	88-1	7.5
2	88-2	7.5
3	88-3	7.5
4	88-4	7.5
L1	88-5	1.5
L2	88-6	1.5



DEFENSE ENVIRONMENTAL RESTORATION FUND

Removal of Storage Tanks, etc. USACE Project #94-C-0037

GATEWAY NATIONAL RECREATION AREA FLOYD BENNETT FIELD Brooklyn, NY

> UST CLOSURE TANK AND SAMPLE LOCATIONS UST #88

CLEANING UP THE ENVIRONMENT (C.U.T.E.) 103 GODWIN AVENUE SUITE 237 MIDLAND PARK, NEW JERSEY 07432 (201)427-2881

UST CLOSURE REPORT - 96-1, 2 & 3

PAGE 1 OF 4

DACA51-94-C-0091 Contract Number:

Title: Removal Of Storage Tanks,

Transformers & Miscellaneous, Various Locations, New York

Tank Number:

96-1, 2 & 3

Tank Size (Gallons): 25000 each

Tank Dimensions:

10'6"x38'6"

Product(s) Contained: #4 Fuel Oil

Volume In Tank (Gallons): 4500

Date Removed: 22 JUN 1995

Site Location:

Floyd Bennett Field, Brooklyn, New York

SITE HISTORY:

- 1. Tank/pipe design - Single-layer steel; No monitoring devices present.
- 2. Age of equipment - 30+ years.
- 3. History of Spills - None.
- 4. Past analytical Results - None.
- 5. Well records - None.
- 6. **Drinking water wells in vicinity - None.**
- 7. Potentially affected areas - None.

FIELD OBSERVATIONS:

- 1. Tank and/or pipe Excavation - Visually contaminated soil noted at bottom of excavation around and beneath piping vaults adjacent to building. Soil was black and tarlike, saturated with leaked product. All Contaminated soil above the ground-water interface line was removed and stockpiled as contaminated for disposal.
- 2. Depth of stained, discolored and/or contaminated soil - To groundwater.
- 3. Sheen - Yes.

Building 96, Floyd Bennett Field, New York, UST #'s 96-1, 2 & 3

- 4. Noticeable leaks in pipe joints None that were noticed, but since the USTs were in excellent condition, we suspect that some of the fittings must have leaked.
- 5. Localized areas of corrosion None.
- 6. Holes or pits in tanks and/or pipes None.
- 7. Noticeable odors before, during, and/or after tank excavations None. #4 Fuel Oil is not a particularly volatile product.
- 8. Groundwater encountered? Depth to groundwater? Volume removed from excavation? Ground-water encountered at 7'0" below grade. None removed from excavation, due to the fact that levels in this area are influenced by the tides from the adjacent bay.
- **9. Free product on groundwater? Thickness?** Yes, there were patches of free product noted. Oil-absorbent spill pads were spread on the surface of the water and removed for disposal with other drummed waste upon absorbing thge product.

FIELD MEASUREMENTS AND ANALYSIS:

- 1. Which field instruments were used? HNU-PID.
- 2. Tank removed.
 What were the readings from any areas of visual contamination?

 0 ppm.

What were the results from headspace analysis taken from the sidewall, bottom of the excavation, and below the bottom of the UST excavation? 15 ppm.

3. Piping removed - All piping in excavation as well as in concrete pipe vaults was removed. Piping was coated with asbestos which was removed by a licensed Asbestos Removal Contractor prior to demolition by C.U.T.E.

UST CLOSURE REPORT

PAGE 3 OF 4

Building 96, Floyd Bennett Field, New York, UST #'s 96-1, 2 & 3

- 5. Soil samples; locations; results:*
 - * See soil sample location map included with Field Log, immediately after page (3) of this report.

All soil samples were taken at ground-water interface and all results are above NYSDEC STARS MEMO #1 regulatory limits.

6. Groundwater samples - None taken, ground-water is obviously contaminated, as noted above.

LAB MEASUREMENTS AND ANALYSIS:

All laboratory results are listed on sample location map(s). Copies of complete analyses have been submitted under separate cover.

- 1. Sample collector David Beeman.
- 2. Laboratory methods used for determination of soil contamination EPA Method 8021 for Volatile Organic(s)(VOAs); EPA Method 8270 for Polv-Aromatic Hydrocarbon(s)(PAHs).
- Total amount of contaminated soil removed for disposal Approx.
 90 CYS.
- Method of disposal Recycling.

Disposal facility - Mount Hope Recycling, NJ.

- 5. Fill source Bank run; Fred McDowell, Inc.
- 6. Results of analysis of on-site material used for backfill All overburden removed from excavation and stockpiled as contaminated for later disposal. USTs had concrete piping vaults running along the top which extended around the sides to approximately halfway down the sides of each. Any other excavated material was contaminated
- 7. Further action required? Yes, ground-water investigation is recommended. Suggest installation of monitoring wells with regular sampling for VOAs and PAHs. Also suggest *in situ* treatment of contaminated ground-water via bioremediation/degradation.

UST CLOSURE REPORT

PAGE 4 OF 4

(hudopher) Sauce

Building 96, Floyd Bennett Field, New York, UST #'s 96-1, 2 & 3

8. Area restored? Yes, backfilled with clean sand, compacted, graded, seeded and mulched.

CONTRACTOR'S CERTIFICATION: I hereby certify that to the best of my knowledge and belief that all information presented here is correct and accurate.

Name: Christopher D. Elliott

Signature:

Representing: Cleaning Up The Environment (C.U.T.E.), Midland Park, New

Jersey

Date Report Prepared: 20 FEB 1996

Report Prepared By: David Beeman, C.U.T.E.; Revised by Christopher D.

Elliott

NYSDEC Spill #95-03586

C.U.T.E. FIFLD SAMPLE LOG

USTs 96-1, 2 & 3	FIELD	SAMPL	E LOG
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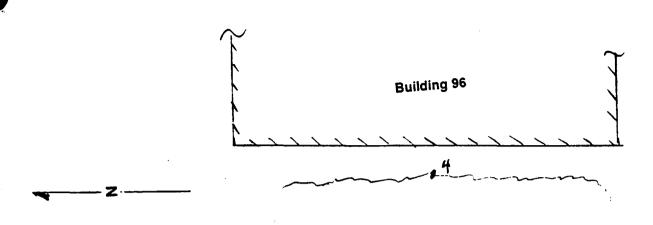
1. CONTRACT #: 94-C-0037	2. SITE N/	AME/LOCA	TION: Flove	Bennett Fi	eld. Brookl	vn. NY
3. SAMPLER/AFFILIATION: (, , , , , ,
4. PERSONNEL ON-SITE:		G UP THE E				
						•
		T		1	·	
SAMPLE NUMBER	96-1	96-2	96-3	96-X] [
SAMPLE DATE	8/23/95	, 		1/17/96		
		·	•		ļ	
TIME OF COLLECTION	1500	1505	1510	830		
SAMPLE TYPE (G OR C)*	G	G	G	G		
			<u> </u>			
SAMPLE DEPTH	6'	6'	6'	6'6"		
PRESERVATIVES USED	NA	<u>i</u>	<u>i</u>			
	<u>_</u>	·				
DATA COLLECTED (HNU)	0 ppm	0 ppm	0 ppm	0 ppm		
HNU METER CAL.(?)	YES	1	A		ļ	
ANALYSIS REQUIRED	8021 8270				-	
	02.0					
SAMPLE DESCRIPTION	Sand; little	silt				·
COLOR	Brown/tan					· · · · · · · · · · · · · · · · · · ·
SOIL TEXTURE	Moist gran	ular				
MOTTLES	None					
WEATHER	Sunny, 90	Sunny, 90 D F Sunny,			<u>. </u>	
GROUNDWATER PRESENT	Crounding	-1	-A 7!	30 D F		· · · · · ·
GROUNDWATER PRESENT	below grad	ater present de	at /			
ODORS	None					
I HEREBY CERTIFY THAT TO	THE BEST	OF MY KNO	WLEDGE	ALL DATA	PRESENTE	D HERE
IS TRUE AND ACCURATE AN						
CHRIS D. ELLIOTT		1 hu	n D. YU	wot		2/20/96
NAME		SIGNATUR	RE			DATE

RESULTS SUMMARY - #4 OIL USTS 96-1, 96-2, & 96-3 - FLOYD BENNETT FIELD, BROOKLYN, NY

Field Sample No.:		96-1	96-2	96-3	96-X
Lab Sample No.:		T508424-19	T508424-20	T508424-21	T601188-1
Date:		8/23/95	8/14/95	8/14/95	1/17/96
Depth(ft.):		6	6	6	6.5
Volatile Compounds, ppb				ī	
	Guidance				
	Value (ppb)				
Benzene	14	U	U	U	U
Toluene	100	U	U	U	U
Ethylbenzene	100	U	U	U	U
m,p-Xylenes	100	U	U	U	. U
o-Xylenes	100	U	U	U	U
isopropylbenzene	100	U	U	U	υ
n-Propylbenzene	100	U	U	U	U
p-Isopropyltoluene	100	U	ប	U	U
1,3,5-Trimethylbenzene	100	U	U	U	U
1,2,4-Trimethylbenzene	100	U	U	U	U
t-Butylbenzene	100	U	ប	U	U
Methyl-t-butylether	100	U	U	U	U
sec-Butylbenzene	100	U	U	U	U
n-Butylbenzene	100	U	U	U	U
Naphthalene	200	U	U	U	U
Semi-volatile Compounds,	ppb		ı		
Naphthalene	200°	U	U	J	_9J
Acenaphthene	400	92J	130J	220 J	150J
Fluorene	1000	130J	170J	32 0J	130J
Phenanthrene	1000	1400	1700	3800	1000
Anthracene	1000	280J	370	670	240J
Fluoranthene	1000	2200	2800	4000	1200
Pyrene	1000	1900	2000	3300	890
Benzo(a)anthracene	.04*	1100	1200	2000	510
Chrysene	.04*	1300	1300	2200	480
Benzo(b)fluoranthene	.04*	1100	1100	2000	410
Benzo(k)fluoranthene	.04*	970	910	1500	450
Benzo(a)pyrene	.04*	1000	980	1700	450
indeno(1,2,3-cd)pyrene	.04*	540	520	760	190J
Dibenz(a,h)anthracene	1000	U	U	260J	97J
Benzo(g,h,i)perylene	.04*	520	460	610	210J

^{*}Detection Limit is 330 ppb for semi-volatile compounds

J - Compound was detected below method detection limit. Concentration given is an estimate.



Sample #	Field ID#	Depth (ft)
1	96-01	6
2	96-02	6
3	96-03	6
4	96- X	6.5

3.

Scale: 1" = 20'



DEFENSE ENVIRONMENTAL RESTORATION FUND

Removal of Storage Tanks, etc. USACE Project #94-C-0037

GATEWAY NATIONAL RECREATION AREA FLOYD BENNETT FIELD Brooklyn, NY

UST CLOSURE
TANK AND SAMPLE LOCATIONS
UST's #96-1, #96-2 £ #96-3

Gasoline UST #102 - Floyd Bennett Field, Brooklyn, New York USACE Contract #94-C-0037

UST CLOSURE REPORT - 102

USACE Contract #DACA51-94-C-0037

Title: Removal Of Storage

Tanks, Transformers & Miscellaneous, Various Locations, New York

Tank Number(S): 102

Tank Size (Gallons): 1,000

Tank Dimensions: 4' X 10.5'

Product(s) Contained: Gasoline

Volume In Tank (Gallons): 250

Date Removed: 23 JUN 1995

Site Location: Floyd Bennett Field

SITE HISTORY:

1. Tank/pipe design - Single-layer steel; No monitoring devices present.

- 2. Age of equipment 30+ years.
- 3. History of Spills None.
- 4. Past analytical Results None.
- 5. Well records None.
- 6. Drinking water wells in vicinity None.
- 7. Potentially affected areas None.

FIELD OBSERVATIONS:

- 1. Tank and/or pipe Excavation No visually contaminated soil observed in excavation or under pipes.*
- 2. Depth of stained, discolored and/or contaminated soil N/A.
- 3. Sheen N/A.
- 4. Noticeable leaks in pipe joints None.
- 5. Localized areas of corrosion None.

Gasoline UST #102 - Floyd Bennett Field, Brooklyn, New York USACE Contract #94-C-0037

- 6. Holes or pits in tanks and/or pipes None.
- 7. Noticeable odors before, during, and/or after tank removal None.
- 8. Groundwater encountered? Depth to groundwater? Volume removed from excavation? N/A
- 9. Free product on groundwater? Thickness? NA.

FIELD MEASUREMENTS AND ANALYSIS:

- 1. Which field instruments were used? HNU-PID.
- Tank removed.
 What were the readings from any areas of visual contamination?
 NA.

What were the results from headspace analysis taken from the sidewall, bottom of the excavation, and below the bottom of the excavation? 0 PPM

- *Piping removed All piping removed. There was a run of pipe extending towards the Bay which ended abruptly after approximately 90', where it appeared to have been broken off with a backhoe blade. There was another, severed piece of pipe in the excavation approximately 10' in length that appeared to have been attached to the pipe run. The Contractor searched the area for any signs of another tank and/or for where the pipe run may have eventually extended, by digging with the backhoe in several areas radiating out from the end of the pipe. The search was unsuccessful, and the excavation was re-filled after all available piping had been removed. There were no visual signs of any contamination in the area where the pipe was severed, and all readings with the HNU-PID were 0 PPM.
- 4. Soil samples; locations; results:*
 - * See soil sample location map included with this report.
- 5. Groundwater samples N/A.

UST CLOSURE REPORT

Page 3 of 3

Gasoline UST #102, Floyd Bennett Field, Brooklyn, New York USACE Contract #94-C-0037

LAB MEASUREMENTS AND ANALYSIS:

All laboratory results are listed on sample location map(s). Copies of complete laboratory analyses including QA/QC documentation have been included with this report.

- 1. Sample collector Chris D. Elliott.
- 2. Laboratory methods used for determination of soil contamination EPA Method 8021 for Volatile Organic(s)(VOAs).
- 3. Total amount of contaminated soil removed for disposal None.
- 4. Method of disposal N/A.

Disposal facility - N/A.

- 5. Fill source On-site.
- 6. Results of analysis of on-site material used for backfill Clean, sample results included with analytical reports from samples taken beneath USTs.
- 7. Further action required? None.
- 8. Area restored? Yes, backfilled with clean sand, compacted and graded.

CONTRACTOR'S CERTIFICATION: I hereby certify that to the best of my knowledge and belief, all information presented here is true and accurate.

Name: Christopher D. Elliott

Signature: Christophen D. Yund.

Representing: Cleaning Up The Environment (C.U.T.E.), 103 Godwin Avenue,

Suite 237, Midland Park, NJ 07432

Date Report Prepared: 08 AUG 1995

C.U.T.E.
FIELD SAMPLE LOG

UST 102

PAGE 1 OF 2

1. CONTRACT #: 94-C-003	7 2. SITE NAME/LOCATION: Floyd Bennett Field, Brooklyn, NY
3. SAMPLER/AFFILIATION:	CHRIS D. ELLIOTT/TRI-GEM BUILDERS
4. PERSONNEL ON-SITE:	CLEANING UP THE ENVIRONMENT

SAMPLE NUMBER	102-01	102-02	102-03	102-04	102-05	102-OVER
SAMPLE DATE	6/23/95	6/23/95	6/23/95	6/23/95	6/23/95	6/23/95
TIME OF COLLECTION	1310	1311	1312	1313	`1314	1315
SAMPLE TYPE (G OR C)*	G	G	G	G	G	С
SAMPLE DEPTH	6'	4'	4'	4'	4'	NA
PRESERVATIVES USED	NA	NA	NA	NA	NA	NA
DATA COLLECTED (HNU)	0 ppm	0 ppm	0 ppm	0 ppm	0 ppm	0 ppm
HNU METER CAL.(?)	YES	YES	YES	YES	YES	YES
ANALYSIS REQUIRED	8021	8021	8021	8021	8021	8021
SAMPLE DESCRIPTION	Loose sand	with no or	ganic mate	rial		
COLOR	tan	tan	tan	tan	tan	tan
SOIL TEXTURE	Dry and gr	anular	<u> </u>	<u> </u>	<u> </u>	L
MOTTLES	none	none	none	none	none	none
WEATHER	Sunny, 90	D F, low hu	midity	<u> </u>	L	<u> </u>
GROUNDWATER PRESENT	No ground	water prese	nt			
ODORS	none	none	none	none	none	none

C<u>.U.T.E</u>. FIELD SAMPLE LOG

UST 102

PAGE 2 OF 2

1. CONTRACT #94-C-0037	2. SITE NA	ME/LOCA	TION: Floyd	Bennett Fi	ield, Brookly	n, NY
3. SAMPLER/AFFILIATION: CI	HRIS D. ELL	.IOTT/TRI-0	SEM BUILD	ERS		
4. PERSONNEL ON-SITE:	CLEANING	OUP THE	NVIRONM	ENT		
•					· 	
			•			•
						
SAMPLE NUMBER	102-06	102-07	102-08	102-09	<u> </u>	
	1				[
SAMPLE DATE	6/23/95	6/23/95	6/23/95	6/23/95		
OAMI LE BATE	0,20,00	0,20,00	0,20,00	0,20,00		
TIME OF COLLECTION	1410	1412	1414	1416		
Think of Collections	1 1410	'4'2	'*'*	1410		
SAMPLE TYPE (G OR C)*	G	G	G	G		<u> </u>
DAME LE TITLE (G OK O)	ľ			19		
SAMPLE DEPTH	2'	2'	2'	4'	 	
SAMPLE DEFITT		-	[*]**		
PRESERVATIVES USED	NA	NA	NA	NA		
PRESERVATIVES USED			IAÚ.			
DATA COLLECTED (HNU)	0 ppm	0 nnm	0 ppm	0.000		
DATA COLLECTED (HINO)	Оррии	0 ppm	0 ppm	0 ppm		
HNU METER CAL.(?)	YES	YES	YES	YES		·
HNO METER CAL.(!)	1123	1123	1123	1123		
ANALYSIS REQUIRED	8021	8021	8021	8021		
AINE TOTO REGUINED]	002.		0021		
	i	\	Į.		,	
				1	i	
SAMPLE DESCRIPTION	l oose san	d with no or	nanic mater	! rial		
DECORM TION	Loose sain	u Willi 110 01	garno mato]	
COLOR	tan/	tan/	tan/	tan/		
002011	brown	brown	brown	brown		
SOIL TEXTURE	Dry and gr	A	DIOWII	DIOWII		
SOIL TEXTORE	Dry and gr	allulai]	
MOTTLES	none	none	none	none		
10011220	Tione					
WEATHER	Sunny 90	D F, low hu	midity	<u> </u>		
WEATHER.	Culliny, 30	D1,10# 110	iiiidity			
GROUNDWATER PRESENT	No ground	water prese	nt	· · · · · · · · · · · · · · · · · · ·		
ONCONDIVATENT NECENT	ino ground	water prese	·			
ODORS	none	none	none	none		
	1					
I HEREBY CERTIFY THAT TO	THE BEST (DE MY KNO	WIEDGE	ALL DATA	PRESENTE	DHERE
IS TRUE AND ACCURATE AND						
CHRIS D. ELLIOTT			- (/.	1		6/23/95
NAME		CONATU	<u>1) . </u>	<u> </u>	•	DATE

SAMPLE RESULT(S) SUMMARY

GASOLINE UST #102 - FLOYD BENNETT FIELD, BROOKLYN, NEW YORK

Field Sample No.:	102-01	102-02	102-03	102-04	102-05	102-OVER	102-06	102-07
Date:	6/23/95	6/23/95	6/23/95	6/23/95	6/23/95	6/23/95	6/23/95	6/23/95
Depth (Ft.):	6.0'	4.0'	4.0'	4.0'	4.0'	NA	2.0'	2.0'

Volatile Organic Compounds (VOAs), EPA Method 8021, (ppb)*

Guidance Value, (ppb)

Benzene	14	U	U	U	υ	U	ប	U	υ
Toluene	100	. U	U	0.60	0.56	U	1.5	0.57	0.76
Ethylbenzene	100	U	U	U	U	U	0.96	U	U
m-p Xylenes	100	U	U	U	U	U	U	U	U
o-Xylene	100	U	U	U	U	U	U	U	1.1
Isopropylbenzene	100	U	U	U	U	U	U	U	U
n-Propylbenzene	100	U	U	U	U	U	U	U	U
p-Isopropyltoluene	100	U	U	U	U	U	U	U	U
1,3,5-Trimethylbenzene	100	0.72	U	U	υ	U	U	U	U
1,2,4-Trimethylbenzene	100	1.4	U	υ	U .	U	U	U	0.97
t-butylbenzene	100	U	U	υ	U	U	U	U	U
Methyl-t-butylether	100	U	U	υ	U	U	U	U	U
sec-Butylbenzene	100	U	U	U	U	U	U	U	U
n-Butylbenzene	100	U	U	U	U	U	U	U	U
Napthalene (8021)	200	U	U	υ	U	U	U	U	U

 Field Sample No.:
 102-08
 102-09

 Date:
 6/23/95
 6/23/95

 Depth (Ft.):
 2.0'
 4.0'

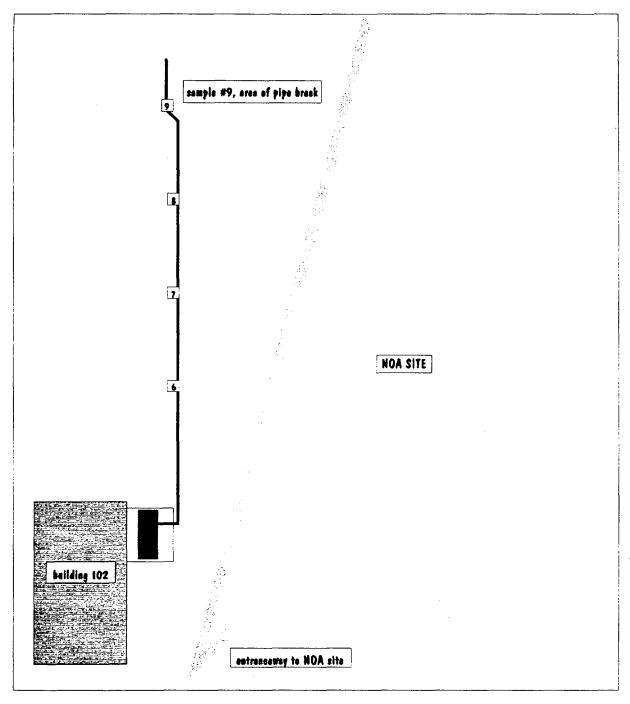
Volatile Organic Compounds (VOAs), EPA Method 8021, (ppb)*

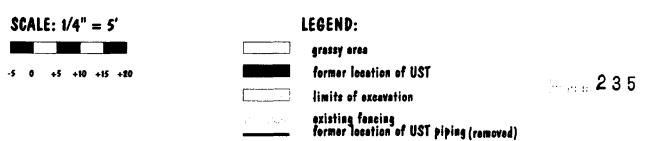
Guidance Value, (ppb)

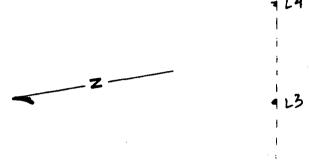
Benzene	14	U,	U
Toluene	100	U	1.3
Ethylbenzene	100	0.60	0.65
m-p Xylenes	100	U	1.2
o-Xylene	100	U	U
Isopropyibenzene	100	U	U
n-Propylbenzene	100	U ·	U
p-Isopropyttoluene	100	U	U
1,3,5-Trimethylbenzene	100	U	U
1,2,4-Trimethylbenzene	100	U	U
t-butylbenzene	100	U	U
Methyl-t-butylether	100	U	U
sec-Butylbenzene	100	U	U
n-Butylbenzene	100	U	U
Napthalene (8021)	200	U	U

^{*} For the purpose of this summary, U means less than 1 ppb.

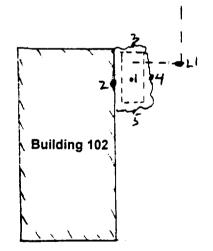
UST & SOIL SAMPLE LOCATION MAP #1 OF 2 - PIPING GASOLINE UST #102 - FLOYD BENNETT FIELD, BROOKLYN, NEW YORK CONTRACT #94-C-0037

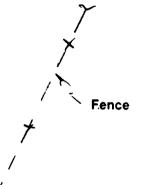


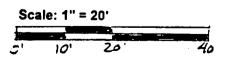




Samp #	Field ID#	Depth (ft)
1	102-01	6
2	102-02	4
3	102-03	4
4	102-04	4
5	102-05	4
L1	102-06	2
L2	102-07	2
L3	102-08	2
L4	102-09	4
Over Burden	102-OVER	NA







DEFENSE ENVIRONMENTAL RESTORATION FUND

Removal of Storage Tanks, etc. USACE Project #94-C-0037

GATEWAY NATIONAL RECREATION AREA FLOYD BENNETT FIELD Brooklyn, NY

UST CLOSURE TANK AND SAMPLE LOCATIONS UST #102

f------ 236

CLEANING UP THE ENVIRONMENT (C.U.T.E.) 103 GODWIN AVENUE SUITE 237 MIDLAND PARK, NEW JERSEY 07432 (201)427-2881

UST CLOSURE REPORT - 176-1, 2, 3 &4

PAGE 1 OF 3

2

Contract Number: DACA51-94-C-0037 . Title: Removal Of Storage Tanks,

Transformers & Miscellaneous, Various Locations, New York

Tank Number: 176-1, 2, 3 &4

Tank Size (Gallons): 5000 each Product(s) Contained: Gasoline

Tank Dimensions: 6'x23'7"
Volume In Tank (Gallons): 17000

Date Removed: 07 DEC 1995

Site Location: Floyd Bennett Field, Brooklyn, New York

SITE HISTORY:

1. Tank/pipe design - Single-layer steel; No monitoring devices present.

- 2. Age of equipment 30+ years.
- 3. History of Spills None.
- 4. Past analytical Results None.
- 5. Well records None.
- 6. Drinking water wells in vicinity None.
- 7. Potentially affected areas None.

FIELD OBSERVATIONS:

- 1. Tank and/or pipe Excavation No visually contaminated soil observed in excavation. All USTs were completely encased in concrete at the time of removal.
- 2. Depth of stained, discolored and/or contaminated soil N/A.
- 3. Sheen None.
- 4. Noticeable leaks in pipe joints None.

UST CLOSURE REPORT

PAGE 2 OF 3

Building 176, Floyd Bennett Field, New York, UST #'s 1-4, (176-1, 2, 3 & 4)

- 5. Localized areas of corrosion None.
- 6. Holes or pits in tanks and/or pipes None.
- Noticeable odors before, during, and/or after tank excavations -None.
- 8. Groundwater encountered? Depth to groundwater? Volume removed from excavation? None encountered.
- 9. Free product on groundwater? Thickness? N/A.

FIELD MEASUREMENTS AND ANALYSIS:

- 1. Which field instruments were used? HNU-PID.
- 2. Tank removed.

What were the readings from any areas of visual contamination? N/A.

What were the results from headspace analysis taken from the sidewall, bottom of the excavation, and below the bottom of the excavation? 0 PPM.

- **3. Piping removed -** All piping removed to edge of adjacent building, cut, and capped.
- 5. Soil samples; locations; results:*
 - * See soil sample location map included with Field Log, immediately after page (3) of this report.
- 6. Groundwater samples NA.

LAB MEASUREMENTS AND ANALYSIS:

All laboratory results are listed on sample location map(s). Copies of complete analyses have been submitted under separate cover.

1. Sample collector - Chris D. Elliott.

UST CLOSURE REPORT

PAGE 3 OF 3

Building 176, Floyd Bennett Field, New York, UST #'s 1-4, (176-1, 2, 3 & 4)

- 2. Laboratory methods used for determination of soil contamination EPA Method 8021 for Volatile Organic(s)(VOAs).
- 3. Total amount of contaminated soil removed for disposal None.
- 4. Method of disposal N/A.

Disposal facility - N/A.

- **5. Fill source -** Rubbleized (6"-) in bottom of excavation. Bank run from Fred McDowell, Inc. used to bring to grade.
- 6. Results of analysis of on-site material used for backfill Clean, sample results included with analytical reports from samples taken beneath USTs.
- 7. Further action required? No.
- **8. Area restored?** Yes, backfilled with clean sand, compacted, graded, and paved.

CONTRACTOR'S CERTIFICATION: I hereby certify that to the best of my knowledge and belief that all information presented here is correct and accurate.

Name: Christopher D. Elliott

Signature:

Representing: Cleaning Up The Environment (C.U.T.E.), 103 Godwin Avenue,

Suite 237, Midland Park, NJ 07432

Date Report Prepared: 20 FEB 1996

Report Prepared By: David Beeman, C.U.T.E.; Revised by Christopher D.

Elliott

hustopher) was

C.U.T.E. FIELD SAMPLE LOG

3. SAMPLER/AFFILIATION:						
4. PERSONNEL ON-SITE:	CLEANII	NG UP THE	ENVIRON	IMENT		
			_			
						
SAMPLE NUMBER	176-1	176-2	176-3	176-4	176-5	
SAMPLE DATE	1/16/9	96	·			
TIME OF COLLECTION	152	25 153	30 15	33 15	38 1542	
THE OF GOLLLOTTON					1542	
SAMPLE TYPE (G OR C)*	G	G	G	G	G	
SAMPLE DEPTH	4'	4'	4'	4'	7'	
PRESERVATIVES USED	NA	<u></u>	1			·
DATA COLLECTED (HNU)	0 ppm	0 ppm	0 ppm	0 ppm	0 ppm	
HNU METER CAL.(?)	YES	<u> </u>				-
ANALYSIS REQUIRED	802	21				
SAMPLE DESCRIPTION	Sand; lit	tle silt				
COLOR	Brown/ta	าก				
SOIL TEXTURE	Dry gran	ular				
MOTTLES	None			·		
WEATHER	Sunny, 4	0 D F				
GROUNDWATER PRESENT	None					
ODORS	None	·				

CHRIS D. ELLIOTT

NAME

2/20/96

DATE

SAMPLE RESULT(S) SUMMARY

Building 176, Floyd Bennett Field, New York, UST #'s 1-4 (176-1, 2, 3 & 4)

Fleid Sample No.: Date: 176-01 176-02 176-03 176-04 176-05 1/16/96 1/16/96 1/16/96 1/16/96 1/16/96

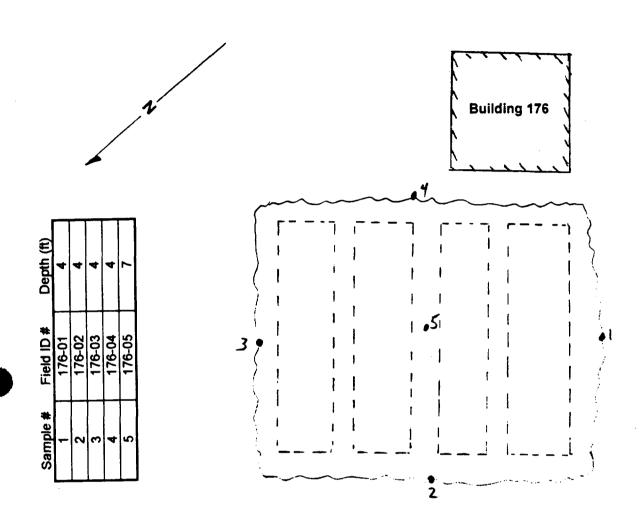
Depth (Ft.):

4 4 4 4 7

Volatile Organic Compounds (VOAs), EPA Method 8021, (ppb)

Guidance Value, (ppb)

Benzene	14	U	U	U	U	U
Toluene	100	U	U	U	U	U
Ethylbenzene	100	Ù	U	U	Ü	U
m-p Xylenes	100	U	U	U	U	U
o-Xylene	100	U	U	U	U	U
Isopropylbenzene	100	U	U	U	U	U
n-Propylbenzene	100	U	U	U	U	U
p-Isopropyttoluene	100	U	U	U	U	U
1,3,5-Trimethylbenzene	100	U	U	U	U	U
1,2,4-Trimethylbenzene	100	U	U	U	U	U
t-butylbenzene	100	U	U	U	U	U
Methyl-t-butylether	100	U	U	U	U	U
sec-Butylbenzene	100	U	U	U	Ų	0.52
n-Butylbenzene	100	U	U	U	Ų	U
Napthalene (8021)	200	U	U	U	U	U



Scale: 1" = 10'

DEFENSE ENVIRONMENTAL RESTORATION FUND

Removal of Storage Tanks, etc. USACE Project #94-C-0037

GATEWAY NATIONAL RECREATION AREA FLOYD BENNETT FIELD Brooklyn, NY

UST CLOSURE

TANK AND SAMPLE LOCATIONS
UST's #176-1, #176-2, #176-3 & #176-4

CLEANING UP THE ENVIRONMENT (C.U.T.E.) 103 GODWIN AVENUE SUITE 237 MIDLAND PARK, NEW JERSEY 07432 (201)427-2881

UST CLOSURE REPORT - 265

PAGE 1 OF 3

. . . .

Contract Number: DACA51-94-C-0037,

Title: Removal Of Storage Tanks,

Transformers & Miscellaneous, Various Locations, New York

Tank Number: 265

Tank Size (Gallons): 275

Tank Dimensions:

3'x5'

Product(s) Contained: Waste Oil

Volume In Tank (Gallons): 275

Date Removed: 21 AUG 1995

Site Location: Floyd Bennett Field, Brooklyn, New York

SITE HISTORY:

1. Tank/pipe design - Single-layer steel; No monitoring devices present.

- 2. Age of equipment 30+ years.
- 3. History of Spills None.
- 4. Past analytical Results None.
- 5. Well records None.
- 6. Drinking water wells in vicinity None.
- 7. Potentially affected areas None.

FIELD OBSERVATIONS:

- **1. Tank and/or pipe Excavation No visually contaminated soil observed in excavation.**
- 2. Depth of stained, discolored and/or contaminated soil N/A.
- 3. Sheen None.
- 4. Noticeable leaks in pipe joints None.

Building 265, Floyd Bennett Field, New York, UST #265

- 5. Localized areas of corrosion None.
- 6. Holes or pits in tanks and/or pipes None.
- 7. Noticeable odors before, during, and/or after tank excavations None.
- 8. Groundwater encountered? Depth to groundwater? Volume removed from excavation? None encountered.
- 9. Free product on groundwater? Thickness? N/A

FIELD MEASUREMENTS AND ANALYSIS:

- 1. Which field instruments were used? HNU-PID.
- Tank removed.
 What were the readings from any areas of visual contamination? N/A.

What were the results from headspace analysis taken from the sidewall, bottom of the excavation, and below the bottom of the excavation? 0 PPM.

- **3. Piping removed -** All piping removed.
- 5. Soil samples; locations; results:*
 - * See soil sample location map included with Field Log, immediately after page (3) of this report.
- 6. Groundwater samples NA.

LAB MEASUREMENTS AND ANALYSIS:

All laboratory results are listed on sample location map(s). Copies of complete analyses have been submitted under separate cover.

1. Sample collector - Chris D. Elliott.

UST CLOSURE REPORT

PAGE 3 OF 3

Building 265, Floyd Bennett Field, New York, UST #265

- 2. Laboratory methods used for determination of soil contamination EPA Method 8021 for Volatile Organic(s)(VOAs); EPA Method 8270 for Poly-Aromatic Hydrocarbons (PAHs).
- 3. Total amount of contaminated soil removed for disposal None.
- 4. Method of disposal N/A.

Disposal facility - N/A.

- 5. Fill source No off-site material was used.
- **Results of analysis of on-site material used for backfill -** Clean, sample results included with analytical reports from samples taken beneath USTs.
- 7. Further action required? Yes. Sample #'s 02 & 05 exceed NYSDEC STARS MEMO #1 regulatory limits. Further excavation is required. Ground-water investigation will not be necessary.
- **8. Area restored?** Yes, backfilled with clean sand, compacted, graded, seeded and mulched.

CONTRACTOR'S CERTIFICATION: I hereby certify that to the best of my knowledge and belief that all information presented here is correct and accurate.

Name: Christopher D. Elliott

Signature:

Representing: Cleaning Up The Environment (C.U.T.E.), 103 Godwin Avenue,

Suite 237, Midland Park, NJ 07432

Date Report Prepared: 20 FEB 1996

Report Prepared By: David Beeman, C.U.T.E.; Revised by Christopher D.

Elliott

C.U.T.E. FIELD SAMPLE LOG

	1								
1. CONTRACT #94-C-0037		ME/LOCA			ield, Brookl	yn, NY			
	HRIS D. ELL								
4. PERSONNEL ON-SITE:	CLEANING	UP THE E	NVIRONM	ENI		•			
			•		· · · · · · · · · · · · · · · · · · ·				
SAMPLE NUMBER	265-1	265-2	265-3	265-4	265-5	265-6			
	OVER								
SAMPLE DATE	8/23/95								
TIME OF COLLECTION	1005	1010	1015	1020	1025	1035			
SAMPLE TYPE (G OR C)*	G	G	G	G	G	С			
				1					
SAMPLE DEPTH	NA ·								
	1								
PRESERVATIVES USED	NA								
DATA COLLECTED (HNU)	0 ppm					•			
, ,	1 "								
HNU METER CAL.(?)	YES		•						
` '									
ANALYSIS REQUIRED	8021								
	8270								
	•								
SAMPLE DESCRIPTION	Sand; little	and; little silt							
COLOR	Brown/								
	tan								
SOIL TEXTURE	Dry and gr	anular							
	1 ' "								
MOTTLES	None								
WEATHER	Sunny,		·						
	90 D F								
GROUNDWATER PRESENT	NA					······································			
ODORS	None					******			
I HEREBY CERTIFY THAT TO	THE BEST O	OF MY KNO	WLEDGE	ALL DATA	PRESENTE	D HERE			
IS TRUE AND ACCURATE AN									
CHRIS D. ELLIOTT		/)/	- Y	with	· · · · · · · · · · · · · · · · · ·	2/20/96			
NAME		SIGNATUR			-	DATE			
IAVIAIC		SIGNATU	7 ⊑			DAIE			

C.U.T.E. FIELD SAMPLE LOG

UST 265

NAME

1. CONTRACT #94-C-0037	2. SITE NAM				Field, Brookl	yn, NY
3. SAMPLER/AFFILIATION: C						
4. PERSONNEL ON-SITE:	CLEANING I	UP THE	ENVIRON	MENT		-
						1
			_			·!
-						
SAMPLE NUMBER	265-7		T	Ţ	T	T
	OVER]		ļ '
SAMPLE DATE	8/23/95	,	 		+	
						·
TIME OF COLLECTION	1040		 	+	+	
Time or boatta	1					1
SAMPLE TYPE (G OR C)*	c		 	+	+	
O/ LE / = (= = = ,	Ĭ					
SAMPLE DEPTH	NA		+	 	 	
Origin LE DE						!
PRESERVATIVES USED	NA		 	 	+	
TRECEIVANTES SSEE			1		1	1
DATA COLLECTED (HNU)	0 ppm		+	+	+	
DATA COLLEGIES (1110)	lo ppiii					į į
HNU METER CAL.(?)	YES		+	 	+	 -
TINO WIE LEIK OAE.(:)	1,5					
ANALYSIS REQUIRED	8021		 	+	+	
ANALTSIS NEGOINED	8270					
	02,0				Ì	Ì
	1					
SAMPLE DESCRIPTION	Sand; little si	:14	+	1	+	
SAIVIFEE DECORN 11014	Sand, mas 5.	41L				
COLOR	Brown/		 	+		
COLOR	tan					,
SOIL TEXTURE	Dry and gran	- dor	 	+		
SOIL TEXTORE	Diy allu gial	luidi				
MOTTLES	None		 	+	+	
MOTILES	None					
WEATHER	Sunny,		 	+	+	
VVEATFILE	90 D F					
GROUNDWATER PRESENT	NA I	T	 	+	 	
GROUNDANTEK I MEGENT						
ODORS	None		 	 	+	
ODORS	INOUE		1		1	
I HEREBY CERTIFY THAT TO	THE BEST OF	- NV KNI	NAVI EDGE	ALL DATA	DDECENT	
IS TRUE AND ACCURATE AND						
CHDIS D. SILLIOTT	A HA OOME FIVE	71	-	ACTOPEC	PICATION	o. Didnine

DATE

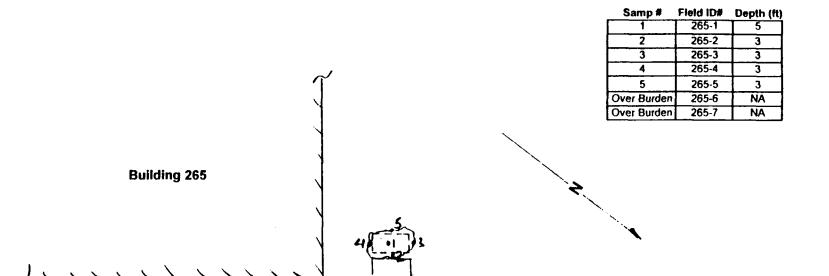
SAMPLE RESULTS SUMMARY - WASTE OIL UST 265 - FLOYD BENNETT FIELD, BROOKLYN, NY

Field Sample No.:		265-1 T508424-8	265-2 T508424-8	265-3 T508424-8	265-4 T508424-8	265-5 T508424-8	265-6 T508424-8	265-7 T508424-8
Date:		8/23/95	8/23/95	8/23/95	8/23/95	8/23/95	8/23/95	8/23/95
Depth(ft.):		5	3	3	3	3	NA NA	NA
Deputit.).		J	J	J	J	J		
Volatile Compounds, ppb								
	Guidance							
	Value (ppb)							
Benzene	14	U	U	U	U	U	U	U
Toluene	100	U	U	U	U	U	U	U
Ethylbenzene	100	U	U	U	U	U	U	U
m,p-Xylenes	100	U	U	U	U	U	U	U
o-Xylenes	100	U	U	U	U	U	U	U
Isopropylbenzene	100	U	υ	U	U	U	U	U
n-Propylbenzene	100	U	U	U	U	U	U	U
p-Isopropyltoluene	100	U	U	U	U	U	U	U
1,3,5-Trimethylbenzene	100	U	U	U	U	U	U	· U
1,2,4-Trimethylbenzene	100	U	U	U	U	U	U	U
t-Butylbenzene	100	U	U	U	U	U	U	U
Methyl-t-butylether	100	U	U	U	U	U	U	U
sec-Butylbenzene	100	U	U	U	U	U	U	U
n-Butylbenzene	100	U	U	U	U	U	U	U
Naphthalene	200	U	U	U	U	U	U	U
Semi-volatile Compounds, p	pb							
Naphthalene	200°	U	14 0J	υ	U	100J	U	U
Acenaphthene	400	U	240J	U	U	140J	U	U
Fluorene	1000	U	380J	U	U	170J	U	U
Phenanthrene	1000	U	1800	U	9 9J	1100	74J	220J
Anthracene	1000	U	510	U	U	370	U	U
Fluoranthene	1000	U	2000	79J	160J	1600	170J	590
Pyrene	1000	U	1500	56J	120J	1200	130J	450
Benzo(a)anthracene	.04*	U	1100	U	U	910	8 8J	320J
Chrysene	.04*	U	990	U	74J	880	97J	320J
Benzo(b)fluoranthene	.04*	U	790	U	U	610	U	210J
Benzo(k)fluoranthene	.04*	U	690	U	U	620	U	250J
Benzo(a)pyrene	.04*	U	770	U	U	610	υ	220J
Indeno(1,2,3-cd)pyrene	.04*	U	480	U	U	370	U	U
Dibenz(a,h)anthracene	1000	υ	υ	υ	υ	υ	υ	U
Benzo(g,h,i)perylene	.04*	U	450	U	U	340J	U	U

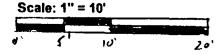
^{*}Detection Limit is 330 ppb for semi-volatile compounds



J - Compound was detected below method detection limit. Concentration given is an estimate.



Separator



DEFENSE ENVIRONMENTAL RESTORATION FUND

Removal of Storage Tanks, etc. USACE Project #94-C-0037

GATEWAY NATIONAL RECREATION AREA
FLOYD BENNETT FIELD
Brooklyn, NY

UST CLOSURE
TANK AND SAMPLE LOCATIONS
UST #265

CLEANING UP THE ENVIRONMENT (C.U.T.E.) 103 GODWIN AVENUE SUITE 237 MIDLAND PARK, NEW JERSEY 07432 (201)427-2881

UST CLOSURE REPORT - 273

PAGE 1 OF 3

८४

Contract Number: DACA51-94-C-0037

Title: Removal Of Storage Tanks,

Transformers & Miscellaneous, Various Locations, New York

Tank Number: 273

Tank Size (Gallons): 1000

Tank Dimensions: 4'x10'6"
Volume In Tank (Gallons): 850

Product(s) Contained: #2 Fuel Oil Date Removed: 22 JUN 1995

Site Location: Floyd Bennett Field, Brooklyn, New York

SITE HISTORY:

1. Tank/pipe design - Single-layer steel; No monitoring devices present.

- 2. Age of equipment 30+ years.
- 3. History of Spills None.
- 4. Past analytical Results None.
- 5. Well records None.
- 6. Drinking water wells in vicinity None.
- 7. Potentially affected areas None.

FIELD OBSERVATIONS:

- **1. Tank and/or pipe Excavation -** Visually contaminated soil observed; overburden and along sides of UST.in excavation.
- 2. Depth of stained, discolored and/or contaminated soil To ground-water.
- 3. Sheen Yes.
- 4. Noticeable leaks in pipe joints None.

Building 273, Floyd Bennett Field, New York, UST #273

- 5. Localized areas of corrosion None.
- 6. Holes or pits in tanks and/or pipes None.
- 7. Noticeable odors before, during, and/or after tank excavations Yes.
- 8. Groundwater encountered? Depth to groundwater? Volume removed from excavation? Ground-water encountered at 4'0" below grade.

 None removed from excavation.
- **9. Free product on groundwater? Thickness?** Sheen, as noted above.

FIELD MEASUREMENTS AND ANALYSIS:

- 1. Which field instruments were used? HNU-PID.
- 2. Tank removed.

What were the readings from any areas of visual contamination? 100 ppm.

What were the results from headspace analysis taken from the sidewall, bottom of the excavation, and below the bottom of the excavation? 10 ppm.

- **3. Piping removed -** All piping removed.
- 5. Soil samples; locations; results:*
 - * See soil sample location map included with Field Log, immediately after page (3) of this report.
- 6. Groundwater samples NA.

LAB MEASUREMENTS AND ANALYSIS:

All laboratory results are listed on sample location map(s). Copies of complete analyses have been submitted under separate cover.

1. Sample collector - Chris D. ElliottDavid Beeman.

PAGE 3 OF 3

Building 273, Floyd Bennett Field, New York, UST #273

- 2. Laboratory methods used for determination of soil contamination EPA Method 8021 for Volatile Organic(s)(VOAs); EPA Method 8270 for Poly-Aromatic Hydrocarbons (PAHs).
- **3.** Total amount of contaminated soil removed for disposal Approx. 5 CYS.
- Method of disposal Recycling.

Disposal facility - Mount Hope Recycling, NJ.

- 5. Fill source Bank run; Fred McDowell, Inc.
- 6. Results of analysis of on-site material used for backfill No on-site material was used. All overburden removed as contaminated and stockpiled for later disposal.
- 7. Further action required? Yes. Ground-water investigation recommended. Installation of monitoring wells with regular sampling for VOAs & PAHs.
- **8. Area restored?** Yes, backfilled with clean sand, compacted, graded, seeded and mulched.

CONTRACTOR'S CERTIFICATION: I hereby certify that to the best of my knowledge and belief that all information presented here is correct and accurate.

Name: Christopher D. Elliott

Signature: hutaphen Junet

Representing: Cleaning Up The Environment (C.U.T.E.), 103 Godwin Avenue,

Suite 237, Midland Park, NJ 07432

Date Report Prepared: 20 FEB 1996

Report Prepared By: David Beeman, C.U.T.E.; Revised by Christopher D.

Elliott

NYSDEC Spill #95-03603

C.U.T.E.
FIELD SAMPLE LOG

UST 273

1. CONTRACT #: 94-C-0037	2. SITE NAME/LOCATION: Floyd Bennett Field, Brooklyn, NY
3. SAMPLER/AFFILIATION:	CHRIS D. ELLIOTT/TRI-GEM BUILDERS
4. PERSONNEL ON-SITE:	CLEANING UP THE ENVIRONMENT

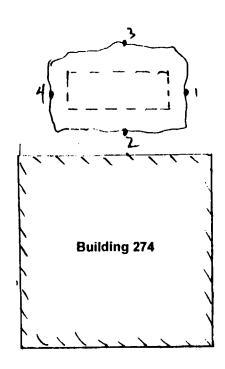
SAMPLE NUMBER	273274-1	273274- OVER	273-1	273-2	273-3	273-4
SAMPLE DATE	6/23/95		8/9/95			<u> </u>
TIME OF COLLECTION	1210	1215	1305	1315	1320	133
SAMPLE TYPE (G OR C)*	G	С	G	G	G	С
SAMPLE DEPTH	1' .	NA	3'6"	3'6"	3'6"	3'6"
PRESERVATIVES USED	NA	<u> </u>				L.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
DATA COLLECTED (HNU)	0 ppm	0 ppm	0 ppm	0 ppm	0 ppm	0 ppm
HNU METER CAL.(?)	YES	<u> </u>	<u> </u>	<u> </u>	L	
ANALYSIS REQUIRED	8021 8270					
SAMPLE DESCRIPTION	Sand; little	silt		· - ·		
COLOR	Brown/tan	· - · · · · · · · · · · · · · · · · · · 				
SOIL TEXTURE	Dry granul	ar				
MOTTLES	None	·				
WEATHER	Cloudy, 80 D F		Sunny, 80	DF		
GROUNDWATER PRESENT	None		Ground-wa	iter present	at 4' below	grade
ODORS	None					
HEREBY CERTIFY THAT TO S TRUE AND ACCURATE AND						
CHRIS D. ELLIOTT		""""	2063	ال ال		•

SAMPLE RESULTS SUMMARY - HEATING OIL UST 273 - FLOYD BENNETT FIELD, BROOKLYN, NY

T506374-1	Field Sample No.:		273274-01	2732740VER	273-1	273-2	273-3	273-4
Na	Lab Sample No.:		T506374-1	T506374-2	T508168-1	T508168-2	T508168-3	T508168-
Volatile Compounds, ppb	Date:	•	6/23/95	6/23/95	8/9/95	8/9/95	8/9/95	8/9/95
Benzene	Depth(ft.):		1	NA	3.5	3.5	3.5	3.5
Penzene	Volatile Compounds, ppb							
Benzene		Guidance						
Toluene		Value (ppb)						
Ethylbenzene 100 U U U U U U U U U U U U U U U U U U	Benzene	14	U	U	U	U	U ·	U
mp-Xylenes 100 U <t< td=""><td>Toluene</td><td>100</td><td>U</td><td>U</td><td>U</td><td>U</td><td>U</td><td>U</td></t<>	Toluene	100	U	U	U	U	U	U
Semi-volatile Compounds, ppb Semi-volatile Compounds, ppc Semi-volatile Compounds, ppc	Ethylbenzene	100	U	U	U	U	U	U
Isopropylbenzene	m,p-Xylenes	100	U	U	U	U	U	U
n-Propylbenzene 100 U	o-Xylenes	100	U	U	U	U	U	υ
P-IsopropyItoluene 100	Isopropylbenzene	100	U	U	U	U	U	U
1.3,5-Trimethylbenzene 100 U <td>n-Propylbenzene</td> <td>100</td> <td>U</td> <td>U</td> <td>U</td> <td>U</td> <td>U</td> <td>U</td>	n-Propylbenzene	100	U	U	U	U	U	U
1.2,4-Trimethylbenzene 100 U <td>p-Isopropyltoluene</td> <td>100</td> <td>U</td> <td>U</td> <td>U</td> <td>U</td> <td>U</td> <td>U</td>	p-Isopropyltoluene	100	U	U	U	U	U	U
T-Butylbenzene 100	1,3,5-Trimethylbenzene	100	U	U	U	υ	U	U
Methyl-I-butylether 100 U	1,2,4-Trimethylbenzene	100	U	U .	U	U	υ	U
sec-Butylbenzene 100 U	t-Butylbenzene	100	U	υ	U	U	U	U
Naphthalene 100	Methyl-t-butylether	100	U	U	U	U	U	U
Naphthalene 200 U <	sec-Butylbenzene	100	U	U	U	U	U	U
Naphthalene 200° 75J U U U U U U U U U	n-Butylbenzene	100	υ	U	U	U	U	υ
Naphthalene 200° 75J U	Naphthalene	200	U	U	U	U	U	. U
Acenaphthene 400 62J 160L U	Semi-volatile Compounds	, ppb						
Fluorene 1000 U <th< td=""><td>Naphthalene</td><td>200°</td><td>75J</td><td>U</td><td>U</td><td>U</td><td>U</td><td>U</td></th<>	Naphthalene	200°	75J	U	U	U	U	U
Phenanthrene 1000 340J 150J U	Acenaphthene	400	62 J	160.	U	U	U	U
Anthracene 1000 86J 230J U 200J U U Fluoranthene 1000 430 1900 U 830 U U Pyrene 1000 370J 2000 U 690 U U Benzo(a)anthracene .04° 250J 1800 U 430 U U Chrysene .04° 250J 1900 U 470 U U Benzo(b)fluoranthene .04° 210J 2200 U 440 U U Benzo(k)fluoranthene .04° 200J 1500 U 430 U U Benzo(a)pyrene .04° 230J 2100 U 450 U U Indeno(1,2.3-cd)pyrene .04° 120J 980 U 210J U U Dibenz(a,h)anthracene 1000 U 600 U U U U	Fluorene	1000	U	U	U	U	U	U
Fluoranthene 1000 430 1900 U 830 U U Pyrene 1000 370J 2000 U 690 U U Benzo(a)anthracene .04* 250J 1800 U 430 U U Chrysene .04* 250J 1900 U 470 U U Benzo(b)fluoranthene .04* 210J 2200 U 440 U U Benzo(k)fluoranthene .04* 200J 1500 U 430 U U Benzo(a)pyrene .04* 230J 2100 U 450 U U Indeno(1,2.3-cd)pyrene .04* 120J 980 U 210J U U Dibenz(a,h)anthracene 1000 U 600 U U U U	Phenanthrene	1000	340J	150J	U	U	U	υ
Pyrene 1000 370J 2000 U 690 U U Benzo(a)anthracene .04* 250J 1800 U 430 U U Chrysene .04* 250J 1900 U 470 U U Benzo(b)fluoranthene .04* 210J 2200 U 440 U U Benzo(k)fluoranthene .04* 200J 1500 U 430 U U Benzo(a)pyrene .04* 230J 2100 U 450 U U Indeno(1,2.3-cd)pyrene .04* 120J 980 U 210J U U Dibenz(a,h)anthracene 1000 U 600 U U U U U	Anthracene	1000	86J	230J	U	200J	U	U
Benzo(a)anthracene .04* 250J 1800 U 430 U U Chrysene .04* 250J 1900 U 470 U U Benzo(b)fluoranthene .04* 210J 2200 U 440 U U Benzo(k)fluoranthene .04* 200J 1500 U 430 U U Benzo(a)pyrene .04* 230J 2100 U 450 U U Indeno(1,2.3-cd)pyrene .04* 120J 980 U 210J U U Dibenz(a,h)anthracene 1000 U 600 U U U U U	Fluoranthene	1000	430	1900	U	830	U	U
Chrysene .04° 250J 1900 U 470 U U Benzo(b)fluoranthene .04° 210J 2200 U 440 U U Benzo(k)fluoranthene .04° 200J 1500 U 430 U U Benzo(a)pyrene .04° 230J 2100 U 450 U U Indeno(1,2.3-cd)pyrene .04° 120J 980 U 210J U U Dibenz(a,h)anthracene 1000 U 600 U U U U	Pyrene	1000	370J	2000	U	690	U	υ
Benzo(b)fluoranthene 1.04° 210J 2200 U 440 U U Benzo(k)fluoranthene 1.04° 200J 1500 U 430 U U Benzo(a)pyrene 1.04° 230J 2100 U 450 U U Indeno(1,2.3-cd)pyrene 1.04° 120J 980 U 210J U U Dibenz(a,h)anthracene 1000 U 600 U U U U U	Benzo(a)anthracene	.04*	250J	1800	U	430	U	U
Benzo(k)fluoranthene .04* 200J 1500 U 430 U U Benzo(a)pyrene .04* 230J 2100 U 450 U U Indeno(1,2.3-cd)pyrene .04* 120J 980 U 210J U U Dibenz(a,h)anthracene 1000 U 600 U U U U U	Chrysene	.04*	250J	1900	U	470	U	U
Benzo(a)pyrene .04* 230J 2100 U 450 U U Indeno(1,2,3-cd)pyrene .04* 120J 980 U 210J U U Dibenz(a,h)anthracene 1000 U 600 U U U U U	Benzo(b)fluoranthene	.04*	210J	2200	U	440	U	U
Indeno(1,2.3-cd)pyrene .04° 120J 980 U 210J U U Dibenz(a,h)anthracene 1000 U 600 U U U U U	Benzo(k)fluoranthene	.04*	200J	1500	U	430	U	U
Dibenz(a,h)anthracene 1000 U 600 U U U U	Benzo(a)pyrene	.04*	230J	2100	. U	450	U	U
	Indeno(1,2,3-cd)pyrene	.04*	120J	980	U	210J	U	U
Benzo(g,h,i)perylene .04* 100J 930 U 210J U U	Dibenz(a,h)anthracene	1000	U	600	U	U	U	U
	Benzo(g,h,i)perylene	.04*	100J	930	U	210J	U	υ

^{*}Detection Limit is 330 ppb for semi-volatile compounds

J - Compound was detected below method detection limit. Concentration given is an estimate.





Samp #	Field ID#	Depth (ft)
1	273-1	3.5
2	273-2	3.5
3	273-3	3.5
4	273-4	3.5



Scale: 1" = 10'

DEFENSE ENVIRONMENTAL RESTORATION FUN

Removal of Storage Tanks, etc.
USACE Project #94-C-0037

GATEWAY NATIONAL RECREATION AREA FLOYD BENNETT FIELD Brooklyn, NY

UST CLOSURE
TANK AND SAMPLE LOCATIONS
UST #273

UST CLOSURE REPORT

CONTAMINATED SOIL WEIGHT TICKETS

USACE CONTRACT #94-C-0037
REMOVAL OF STORAGE TANKS, TRANSFORMERS &
MISCELLANEOUS, VARIOUS LOCATIONS, NEW YORK

SITE LOCATION: FLOYD BENNETT FIELD, GATEWAY NATIONAL RECREATION AREA, BROOKLYN, NEW YORK

625 Mt. Hope Rd. • Wharton, NJ 07885 • Tel (201) 366-7741 Fax (201) 328-8490

Job#: \$502023

Ticket #: 11134

Customer:

Date:

05/15/96

Clean Up The Environment, Inc.

Time:

12:21

Generator:

Gateway National Recreation

Floyd Bentett Fletd Brooklyn, NY.

Spill Loopsion:

Gateway Mational Recreation Ar

Floyd Bennett field Flathush Avenue Brooklyn, NY

Fuel Type: Unleaded Gasoline

Wasie Type: ID-27

Contamination Method: Leaking Under Ground Storage

Harder ID: Llo. Plate: TET 100

TIZ723

Trucking Company: Transportation **625 Mount Hope Road**

Wharton, MJ 07885: 1

Tel#:

(201) 366-6415

Contact: Adam

License #:

903811200009372

Operator's ID: Operator's Name:

Driver's Name:

Scale House

yanavok, charles

Gross Weight:

41.94

15.95

Net Weight

25.99

The undersigned certifies that the information provided on the waste manifest documentation is true, and that all DOT, EPA, and state environmental regulations have been compiled with in the handling of this non-hazardous hydrocarbon contaminated soil. The undersigned further certifies that the material delivered is as represented by the laboratory analysis and material profile presented to the recycling facility during the application process.

C Marank

625 Mt. Hope Rd. • Wharton, Nj 07885 • Tel (201) 366-7741 Fax (201) \$28-8490

Job #: 9602023

Ticket #: 11135

Customer.

Date:

08/15/96

Clean Up The Environment, Inc.

Time:

12:23

Generator

Geteway National Recreation

Floyd Bennets Field Brooklyn, MY

Sole Location:

Gateway National Recreation Ar

Floyd Bennett Finld

Flatbush Avenue.

Brooklyn, NY

Fuel Type: Valeaded Gasoline

Waste Type: ID-27

Contamination Mathdd:

Leaking Under Ground Storage

Hauter ID:

TET100

Trucking Company:

TF Transportation 625 Hourt Hope Boad Wherton, MJ 07885 ...

PIS371 Lic. Plate:

Tel 4:

(201) 366-6415

Contact

Adem

Linense #: Lucey, Patrick

L90476177109716

41.38

Operator's (D:

Driver's Name:

Gross Weight

Operator's Name:

mie House

Tare Web!#:

15.80

Net Weight:

25.58

The undersigned certifies that the information provided on the waste manifest documentation is true, and that all DOT, EPA, and state environmental regulations have been complied with in the handling of this non-hazardous hydrocarbon contaminated soil. The undersigned further certifies that the material delivered is as represented by the laboratory analysis and material profile presented to the recycling facility during the application process.

Driver's Signature: Ly

!...... **2** 5 8

625 Mt. Hope Rd. • Wharton, NJ 07885 • Tel (201) \$66-7741 Fax (201) \$28-8490

Job #: \$502023

Ticket #: 11147

Customer:

Date:

05/16/96

Clean Up The Environment, Inc.

Time:

08:53

Gerterator:

Spill Location:

Geterry National Respection Ar

Floyd Bennett Field Flathush Avenue

Brooklyn, NY

Brooklyn, MY

Gateway National Recreation

Floyd Bennett Tield

Puel Type: Unleaded Gaisoline

Waste Type: ID-27

Contamination Method:

Leaking Under Ground Storage

Trucking Company:

Hauler ID:

TFT100

TF Transportation 525 Mount Hope Road.

Lic. Plate:

T18766

Tel #:

(201) 366-6415

Wharton, NJ 07885

Contact

Adam

License #.

86232 76565 **07386**

Operator's ID:

Driver's Name:

SCAL

Gross Weight:

48.15

Operator's Name:

Scale House

Stevens, Villian

Tare.Weight.

15,42

Nat Weight:

32.73

The undersigned certifies that the information provided on the waste manifest documentation is true, and that all DOT, EPA, and state environmental regulations have been complied with in the handling of this non-hazardous hydrocarbon contaminated soil. The undersigned further certifies that the material delivered is as represented by the laboratory analysis and material profile presented to the recycling facility during the application process.

Driver's Stansture:

MAY-20-1996 15:12

MT. Hope Recycling A Division of MT. Hope Rock Products Corp.

625 Mt. Hope Rd. . Wharton, NJ 07885 . Tel (201) 366-7741 Fax (201) 328-8490

Job # 9602023

Ticket #: 11153

Customer

Dale:

05/16/96

Clean Up The Environment, Inc.

Time:

09:28

Centerator:

Getevey Religional Recreation Floyd Bennett Field Brooklyn By

Brooklyn, NY

Soll Locations

Gateway National Recreation Ar

Floyd Bennett Field Flatbush Avenue

Brooklyn, NY

Fuel Type: Unleaded Gasoline

Waste Type: ID-27

Contamination Method: Leaking Under Ground Storage

Trucking Company:

TF Transportation 625 Hount Hope Road

Wharton, NJ 07885 ...

Hauler ID: TET 100

Uc. Plate:

TIZ725

Tel #:

(201) 366-6415

Contact:

Adam .

License #:

R9459 48871 05962

Operators ID: Operator's Name:

Driver's Name:

Scale House

Rush, Lou

Gross Weight

45.94

Taré Weight

15.64

Not Welcht:

30,30

The undersigned certifies that the information provided on the waste manifest documentation is true, and that all DOT, EPA, and state environmental regulations have been complied with in the handling of this non-hazardous hydrocarbon contaminated soil. The undersigned further certifies that the material delivered is as represented by the laboratory analysis and material profile presented to the recycling facility during the application process.

Driver's Signature: A SUL MOST

P. 83/11

MT. Hope Recycling A Division of MT. Hope Rock Products Corp.

625 Mt. Hope Rd. • Wharton, NJ 07885 • Tel (201) 366-7741 Fax (201) 328-8490

Job 4: 9602023

Ticfort #: 11152

Customer:

Date:

05/16/96

Clean Up The Buylroment, Inc.

Time:

09:26

Generator:

Gateway National Recreation

Floyd Bennett Field Brooklyng MY 🔆 💛

Spill Location:

Seturgy Mational Recreation Ar

Floyd Bennett Field Flatbush Avenue Brooklyn, NY

Fuel Type: Unleaded Gasoline

Waste Type: 10-27

Contamination Method:

Lesking Under Ground Storage

Trucking Company: . TF Transportation

625 Mount Hope Road

Lic. Plate:

Hauler ID:

TFT100 **TIS371**

Wharton, NJ 07885'

Tel &

(201) . 366--6415

Contact: Adem :

Drivera Name: Harrison, Chris

Libense #:

H0670 12477 06632

Operator's ID: Operator's Name:

Scale House

Gross Weight:

48,51

Tare Weight:

15.90

Net Weight:

32.61

The undersigned certifies that the information provided on the waste manifest documentation is true, and that all DOT, EPA, and state environmental regulations have been compiled with in the handling of this non-hazardous hydrocarbon contaminated soil. The undersigned further certifies that the material delivered is as represented by the lighoratory analysis and material profile presented to the recycling facility during the application process.

Driver's Signature:

625 Mt. Hope Rd. . Wharton, NJ 07885 . Tel (201) 366-7741 Fax (201) 328-8490

Job #: 9502023

Ticket #: 11154

Customer:

Date:

05/16/96

Clean Up The Environment, Inc.

Time:

09:29

Generator:

Gabresy Mational Retreation

Floyd Bennett Field Brooklyn, NY Spill Location:

Gateway National Recreation Ar

Flowd Bennett Wield Flatbush Avenue Brooklyn, WY

Fuel Type: Unleaded Gamoline

Waste Type: ID-27

Contamination Method:

Leaking Under Ground Storage

Hauter ID:

TFT 100

Trucking Company:

TF Transportation 625 Hount Hope Road Wherton, NJ 07885

Lic. Flate: 915371

Tel 4:

(201) 366-6415

Contact:

Adem

Licenso #

D050336946958099792

Operator's ID: Operator's Name:

Driver's Name:

SCAL Boole House

Deas, A.

Gross Weight:

49.89

Tare Weight:

15.61

Not Welcht:

34.26

The undersigned certifies that the information provided on the waste manifest documentation is true, and that all DOT, EPA, and state environmental regulations have been complied with in the handling of this non-hazardous hydrocarbon contaminated soft. The undersigned further certifies that the material delivered is as represented by the laboratory analysis and material profile presented to the recycling facility during the application process.

Driver's Signature:

MAY-20-1996 15:13

MT. Hope Recycling A Division of MT. Hope Rock Products Corp.

625 Mt. Hope Rd. • Wharton, NJ 07885 • Tel (201) 366-7741 Fax (201) 328-8490

Job #:	Ticket :	9 :
Customer:	Date:	
9502023 Generalor:	Spill Location:	11155 05/16/96
Clean Up The Spylgoment, Inc		09:30
Gateway Mational Recreation Floyd Bennett Field Wass Theodrift, MY Contamination Mathod:	Footeway National Recreational Recreational Recreation Field Flatbush Avenue Brooklyn, MY	tion Ar
Trucking Company:	Unitended Gasolitie Hauler II);
Leaking Under Gro	und Storage Lie Plat	K
	•	TFT 100
Telf: TE Transportation 625 Mount Hope Road Contact Wharton, NJ 97885		T12724
Oriver's Name: (301) 366-6415	License #:	. <u> </u>
Operator's Iffication	Gross Weight:	
Operators Name: NoGloin, Marion	V1125450000000000000000000000000000000000	
SCA LL	Net Welght:	45.83
The undersigned certifies that the information true, and that all DOT, EPA, and state environmental from the material delivered is as represented presented to the recycling facility during the	onmental regulations have been complied in contaminated soil. The undersigned fur if by the laboratory analysis and material	with in the ther certifies

625 Mt. Hope Rd. • Wharton, NJ 07885 • Tel (201) 366-7741 Fax (201) 328-8490

Job #: \$602023

Ticket #: 11157

Cuttlomer:

Date:

05/16/96

Clear Up The Environment, Inc.

Time:

09:33

Generator:

Gateway Metional Recreation . Floyd Bennett Eigld Spill Location:

Gateway National Recreation Ar

Floyd Benneth Field

Flatbush Rvenue Brooklyn, NY

FuelType: Unleaded Gesoline.

Waste Type: 10-27

Contamination Method;

Leaking Under Ground Storage

Hauter ID: TFT100

Trucking Company:
TF Fransportation
628 Hount Hope Road
Wharton, NJ 97885

Brooklyn, NY

Un Plate: TITTE

Tel #:

(201) 366-6415

Contact:

Adem

Drivers Name:

License &

C0826 54465 10576

Operator's ID; Operator's Name: SCAL

Scale House

Caton, Michael

Gross Meight:

50.75

Tare Weight

15.80

· Net Weight:

34.95

The undersigned certifies that the information provided on the weste manifest documentation is true, and that all DOT, EPA, and state environmental regulations have been complied with in the handling of this non-hazardous hydrocarbon confaminated soil. The undersigned further certifies that the material delivered is as represented by the laboratory analysis and material profile presented to the recycling facility during the application process.

Driver's Signature:

MAY-20-1996 15:14

MT. Hope Recycling A Division of MT. Hope Rock Products Corp.

525 Mt. Hope Rd. • Wharton, NJ 07885 • Tel (201) 356-7741 Fax (201) 328-8490

Job #: \$502023

Tipket #: 11158

CUIROMAY:

Date:

05/16/26

Clean Up The Environment, Inc.

Time: 09:34

Generator

Gateway National Recreation

Floyd Bennett Field

Brooklyn, NY

Spill Locations

Gateway Mational Regrestion Ar

Floyd Bennett Field

Flatburn Avenue

Brooklyn, MY

Fuel Type: Unleaded Gasoline

Waste Type: ID-27

Contamination Method: .

Leaking Under Ground Storage

Trucking Company:

Hauser ID: TFT100

Transportation

628 Mount Hope Road Wharton, NJ 07885 L.C. Plate:

T4822W

Tel #:

(201) 366-6415

Contact

Adam :

Duke, Herry

License #: 695 507 205

Operator's ID: Operator's Name:

Driver's Name:

SCAL Spale House

Gross Weight: 46,58

17.43

Net Welcht:

Tarb Welghi:

29,15

The undersigned certifies that the information provided on the wasts manifest documentation is true, and that all DOT, EPA, and state environmental regulations have been compiled with in the handling of this non-hazardous hydrocarbon contaminated soil. The undersigned further certifies that the material delivered is as represented by the laboratory analysis and material profile presented to the recycling facility during the application process.

Driver's Signature: M. Hagest Dill

625 Mt. Hope Rd. • Wharton, NJ 07885 • Tel (201) 366-7741 Fax (201) 328-8490

Job #: 9602023 Ticket #:

11160

Customer.

Date:

05/16/96

Clean Up The Environment, Inc.

Three

09:37

Generator:

Getevay National Recreation

Floyd Bennets Field Brooklyn,

Spill Location:

Gateway National Recreation Ar

Floyd Bennett Field Flatbush Avenue

Puel lype:

Unleaded Gesoline

Waste Type: 10-27

Contamination Method:

Trucking Company:

Leaking Under-Spaund Scarage

Hauler ID:

ter 100

TF Transportation 625 Hount Hope Road.

Lie. Plate:

TI3370

Tei #:

Contact:

(201) 366-6415

Wharton, NJ 07885. :

Adam

Libense #:

S4203658660**271**4

Operators ID:

Driver's Name:

esinger. Robert

Gross Weight

46.23

Operator's Name:

Scale House

Tare Weight:

16-02

Net Weight

30.21

The undersigned certifies that the information provided on the waste manifest documentation is true, and that all DOT, EPA, and state environmental regulations have been complied with in the handling of this non-hazardous hydrocarbon contaminated soil. The undersigned further cartifies that the material delivered is as represented by the laboratory analysis and material profile presented to the recycling facility during the application process.

625 Mt. Hope Rd. • Wharton, NJ 07885 • Tel (201) 366-7741 Fax (201) 328-8490

Job 4: 9602023

Ticket #: 11161

Customer.

Date:

05/16/96

Clean Up The Environment, Inc.

Time:

09:38

Generator.

Gareway Mational Recreation

Ployd Bennett Field

Brooklyn, MY

Spill Location:

Geteley Mational Recreation Ar

Floyd Bennett Tield Flotbush Avenue

Brootlyn, NY

Fuel Type: Unleaded Gasoline

Waste Type: 1D-27

Contemination Method:

Leaking Under Ground Storage

Heuder ID:

TPT100

Trucking Company:

TF Transportation 625 Hount Hope Road

Wharton, NJ 07885

Lic. Plate:

TIE727

Tel #:

(201) 366-6415

Contact:

Adam

Burk, Ray

Licenso #:

B99726456105464

Oriver's Name: Operator's ID:

SCAL

Gross Weight

49,12

Operator's Name:

Scale House

Tare Welcht:

15.75

Net Weight

33.37

The undersigned certifies that the information provided on the waste manifest documentation is true, and that all DOT, EPA, and state environmental regulations have been compiled with in the handling of this non-hazardous hydrocarbon contaminated soil. The undersigned further certifies that the material delivered is as represented by the laboratory enginesis and material profile presented to the recycling facility during the application process.

Driver's Signature: 24 Eu 314

625 Mt. Hope Rd. • Wharton, NJ 07885 • Tel (201) 366-7741 Fax (201) 328-8490

Job #: 9502023

Tickel #: 11162

Customer:

Ontet

05/15/96

Clean Up The Environment, Inc.

Time:

09:39

Generator:

Gatevay Mational Retreation Floyd Bennett Rivis

Brooklyn, . WY

Spill Location:

· Gaterer National Recreation Ar

Floyd Bennett Field Flatbush Avenue

Brooklyn, NY Fuel Type: Unleaded Gasoline

Waste Type: ID-27

Contamination Method:

Leaking Under Ground Storage

Hauser ID:

TET100

Trucking Company:

TF Transportation 625 Hount Hops Road Therton, NJ 07865

Lic. Plate: T509ZY

Tel #:

(201) 366-6415

Contact: Aden

License #:

88232 50074 08474

Driver's Name: Operator's ID:

Gross Weight:

42.31

Operator's Name:

Scale House

Stevens, Mark

Tara Walcht:

17.43

24.88

The undersigned certifies that the information provided on the waste marriest documentation is true, and that all DOT, EPA, and state environmental regulations have been compiled with in the handling of this non-hazardous hydrocarbon contaminated soil. The undersigned further certifies that the material delivered is as represented by the laboratory analysis and material profile presented to the recycling facility during the application process.

TUTAL P.11

P. 03/08

MAY-21-1996 15:18

MT. Hope Recycling A Division of MT. Hope Rock Products Corp.

625 Mt. Hope Rd. • Wharton, NJ 07885 • Tel (201) 366-7741 Fax (201) 328-8490

Job 4: 9502023

11166 Ticiant #:

Customer. Clean Up The Environment, Inc.

05/17/96 Onte:

Time:

10:54

Generator Getteray Netional Recreation Floyd Bennedt Field. Brooklyn, NY

Spillocator: National Recreation Ar Floyd Behmett Kield

Flatbush Avenue Brooklyn, MY

Fuel Type: Unleaded Genoline

Waste Type: ID-27

Contamination Method: Leaking Under Ground Storage

TFT100 Hauser ID:

Tacing Company sportation 625 Hount Hope Road Wharton, NJ 07885

715371 Lio. Piate:

Tel#:

(201) 366-6415

Contact

Harrison, Chris Driver's Name:

N0670 12477 06632

Operator's ID: Operator's Name: BCAL Scale House Gross Weight

15.78 Tere Weight

Net Weight

30.21

45.99

The undersigned certifies that the information provided on the waste manifest documentation is true, and that all DOT, EPA, and state environmental regulations have been compiled with in the handling of this non-hazardous hydrocarbon contaminated soil. The undersigned further certifies that the material delivered is as represented by the telepratory analysis and material profile presented to the recycling facility during the application process.

License #:

Driver's Signature:

625 Mt. Hope Rd. . Wherton, NJ 07885 . Tel (201) 365-7741 Fax (201) 328-8490

9602023 Job &:

Ticket #: 11167

Customer

Clean Up The Environment, Inc.

05/17/96

10:55

Generalor: Gateway National Recreation

Floyd Bennett Field

Brooklyn, NY

Spit Location: Gatoway National Recreation Ar

Floyd Bennett Field Flatbush Rockus.

Brooklyn, NY

Fuel Type: Unleaded Gesoline

Waste Type: ID-27

Contamination Method:

Leaking Under Ground Storage

Hauter ID:

Lic. Plate:

Date:

Time:

THT100

T12725

Trucking Company 625 Mount Hope Road

Wharton, NJ 07885

Tel #:

(201) .366-6415

Contact:

Adon

Rush, Lou

License 9:

R9433 48871 05962

Operator's ID: Operator's Name:

Driver's Name:

BCAL Scale House Gross Weight:

15.70

45.26

Tare Weight: Net Welcht:

29.56

The undersigned certifies that the information provided on the waste manifest documentation is true, and that all DOT, EPA, and state environmental regulations have been compiled with in the handling of this non-hazardous hydrocarbon contaminated soil. The undersigned further certifies that the material delivered is as represented by the laboratory analysis-and material profile presented to the recycling facility during the application progess.

Driver's Signature:

625 Mt. Hope Rd. • Wharton, NJ 07885 • Tel (201) 366-7741 Fax (201) 328-8490

9602023 Job #:

11168 Ticket #:

Customer Clean Up The Environment, Inc.

05/17/96 Date:

10158

Generator: Generaty Nethoppi Recreation Ployd Bennett Field Brooklyn, NY

Spilocefort Gatevay National Recreation Ar

Floyd Bennett Field Flatbush Avenue Brooklyn, NY

Fuel Type: Unleaded Gasoline

Waste Type: ID-27

Contamination Method:

Leaking Under Ground Storage

Hauler ID:

Time:

TET 100

Tucking Company 625 Mount Hope Road

Wherton, NJ 07885

Lio. Plate:

T15366

Tel #:

(201) 366-6415

Comact:

Adam

Stevens, William Driver's Name:

License 5:

38232 78565 07386

Operator's ID: Operator's Name: SCAL Scale House

Gross Weight:

40_85

Tare Weight

15.45

Net Weight:

25.40

The undersigned certifies that the information provided on the waste manifest documentation is true, and that all DOT, EPA, and state environmental regulations have been compiled with in the handling of this non-hazardous hydrocarbon contaminated soil. The undersigned further certifies that the material delivered is as represented by the laboratory analysis and material profile presented to the recycling facility during the application process.

Driver's Signature:

625 Mt. Hope Rd. . Wharton, NJ 07885 . Tel (201) 366-7741 Fax (201) 328-8490

Job #: 9602023

11170 Ticlest #:

Customer:

05/17/96 Date:

Clean Up The Environment, Inc.

11:25 Time:

Generator Geteway National Recreation

Spillocation: Gatevay National Recreation Ar

Floyd Bennett Field Brooklyn: NX

Floyd Bennett Field.

Flatbush Avenue Brooklyn, NY

Fuel Type: Unleaded Gasoline

Waste Type: ID-27

Contamination Method:

Leaking Under Ground Storage

Trading Company:

TETICO Hauter ID:

625 Hount Hope Road Wharton, NJ 07885

718365 Lic. Plate:

Tel #:

(201), 366-6415

Contact:

Adam

Driver's Name:

License #:

D050336346358099792

Obtraior's ID:

SCAL

Deas, A.

Gross Weight:

45.08

Operator's Name:

BANK ARRE

Tare Weight

45.56

29:47

The undersigned certifies that the information provided on the waste manifest documentation is true, and that all DOT EPA, and state environmental requiations have been compiled with in the handling of this non-hezardous hydrocarbon contaminated soil. The undersigned further certifies that the material delivered is as represented by the laboratory analysis and material profile presented to the recycling facility during the application process.

Oriver's Signature:

625 Mt. Hope Rd. • Wharton, NI 07885 • Tel (201) 366-7741 Fax (201) 328-8490

9602023 Job #:

11173 Ticket #:

Clean Up The Environment, Inc.

05/17/96 Date:

Time:

11:59

Generator:

Floyd Benney't Field Brooklyn, NY

Spi Locator . Gateway National Recreation Ar

Floyd Bennett Field Flatbush Avenue

Brooklyn, NY

Puel Type: Unleaded Gasoline

Waste Type; ID-27

Contemination Method:

Leaking Under Ground Storage

Hauler ID:

Lic. Plate:

TFT100

T18724

Trucking Company:

625 Mount Hope Road

Wharton, NJ 07865

Tel#:

(201) 366-6415

Contact

Adam

McGloin, Marion Driver's Name:

M12545197157422 Liberse #:

40.57

Operator's ID: Operator's Name: . Scale House

Gross Weight

15.65

Tare Weight

24.92

The undersigned certifies that the information provided on the waste manifest documentation is true, and that all DOT, EPA, and state anvironmental regulations have been compiled with in the handling of this non-hazardous hydrocarbon contaminated soil. The undersigned further certifies that the material delivered is as represented by the laboratory analysis and material profile presented to the recycling facility during the application process,

1 and

625 Mt. Hope Rd. • Wharton, NJ 07885 • Tel (201) 366-7747 Fax (201) 328-8490

1**088**6

13:15

P602023 Job #:

11175 Ticket #:

Customer. Clean Up The Environment, Inc.

05/17/96 Date:

Time:

Spulocator Garage National Recreation Ar

Generalor: Gateway National Recreation Floyd Bennett Field Brooklyn, NY

Floyd Sennett Field

Flatbush Avenue Brooklyn, NY

Fuel Type: Unleaded Gasoline

Waste Type: ID-27

Contamination Method:

Leaking Under Ground Storage

Hauler ID:

MHR100

Trucking from Hope Rock Products 525 Mt. Hope Road Wharton, NJ 07885

Lic. Plate:

XY45UH

Tel#:

(201) 366-7741

Contact

Chip

Seck, Thomas

License #:

52108 74062 08544

Operator's ID: Operator's Name:

Driver's Name:

Scale House

Gross Weight: Tere Weight

36.76 11,91

Net Weight:

24.85

The undersigned certifies that the information provided on the waste manifest documentation is true, and that all DOT EPA, and state environmental regulations have been compiled with in the handling of this non-hazardous hydrocarbon contaminated soil. The undersigned further certifies that the material delivered is as represented by the laboratory analysis and material profile presented to the recycling facility during the application process.

Driver's Signature:

TOTAL P.08

.... 274

UST CLOSURE REPORT

FUEL PRODUCT AND PETROLEUM-CONTAMINATED WASTEWATER MANIFESTS

USACE CONTRACT #94-C-0037
REMOVAL OF STORAGE TANKS, TRANSFORMERS &
MISCELLANEOUS, VARIOUS LOCATIONS, NEW YORK

SITE LOCATION: FLOYD BENNETT FIELD, GATEWAY NATIONAL RECREATION AREA, BROOKLYN, NEW YORK



P.O. BOX 5010 FREEHOLD, NJ 07728-5010 PHONE: (908) 462-1001 FAX: (908) 308 0924

PREEHOLD CARTAGE, INC.

175 BARTOW MUN, AIRPORT BARTOW, FL 33830 PHONE: (813) 533-4599 FAX: (813) 533-1613

108 MONAHAN AVENUE DUNMORE, PA 18512 PHONE. [717] 342-7232 FAX: (717) 342-7367

350 PIGEON POINT RD. NEW CASTLE, DE 19720 PHONE. (302) 658-2005 FAX: (302) 658-6229

FCI EPA ID NO .: NJD054126164

G72942

MANIFESI

GENE	RATOR NAME/ADDRESS -	PHONE					GENERATOR	EPA ID N	10.	
A S	TWAY NAT 1 BEIM OF	(AREA	SODEN -	338-	3710					
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3										
SPECI	IAL HANDLING INSTRUCTIONS INCLUDING CONTINUESTED).	TAINER EXEMPTION	ON (I.E., I	DENTIFIC	CATION SHIP	MENT OF A NO	N-HAZARDOUS	NATURE	WHICH DOES NOT	HAVETO
	JSDEP 15 939 - 1521		į	7 6	-	Rei	-	, , , ,		
	RATOR'S CERTIFICATION: This is to certify that the ortation according to the applicable regulations of the									
The Tr	eatment, Storage or Disposal Facility can and will acc									
•	owledge. ent to the contractor for waste removal does not consti	itule payment to the	camier a	ind if the ci	ontractor does	not pay the car	ner, the generator	is obligat	ed to pay the agreed (ate offered
to the	conference.									
l -	RATOR'S SIGNATURE	l		MAN TNII		£ 3		ا ا	ATE LOADED	100
X _	Court Jimen		ئے ماحت	صر	1781 to 178		14	-	MC DAY	<u> 75 </u>
	VAVE READ THE ABOVE AND UNDERSTAND AND AGRES TO ALL OF								MC. DAT	<u> </u>
TSDF	NAME ADDRESS	PHONE	E 10 F			_	TSDF EPAID	NO.	22 6 6	J2 1/2
10	hamber works	IAREA	CODE	545	· 177	73	(1)	<u> </u>	2385	17 P
	(-136) =	TRACT	OR	•	TRAILER		APPOINTME	NT TIME		
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OH 333-HW

PA PA-AH-0067

ONTARIO, CANADA A 840943

OK 3358

ND WH-429

NY JA-113

NJ

NH TNH-0047

S-2265 15939

MD HWH-167 91-OP-1765

MA MA-294

MN 61572

Gold - Retained by Generator

CT CT-HW-307

DE DE-HW-203 DE-SW-203

IL SWH-1540

RI RI-535

TX 40705

WI 11602



FREEHOLD, NJ 07728-5010 PHONE: (908) 482-1001

175 BARTOW MUN. AIRPORT BARTOW, FL 33830 PHONE: [813] 533-4599

FREEHOLD CARTAGE, INC. DUNMORE, PA 18512 PHONE: (717) 342-7232

350 PIGEON POINT RD NEW CASTLE DE 19720 PHONE (302) 658-2005 FAX:(302) 658-6229

MANIFEST FCI EPA ID NO .: NJD054126164

FAX: [908] 308 0924 FAX: (813) 533-1613 FAX: (717) 342-7367 **G** 82524 PHONE 338 - 3710 GENERATOR NAME/ADDRESS GENERATOR EPA ID NO. Gateway Not 1 Recreation Area Floyd Bennett Field TRACTOR Flatbush Auc Brook Lya NY. 124 FCI REP. LOADING (PRINT) BOX STORED THE BOX REMOVED COMMENTS OR DELAYS AT GENERATOR **EQUIPMENT USED** STATEMANIFESEN U.S. D.O.T. UNIT MEASURE PACKING OUANTITY FORM GROUP NON- HAZARDOUS 5500 WASTE - WATER 33 SPECIAL HANDLING INSTRUCTIONS INCLUDING CONTAINER EXEMPTION (I.E. IDENTIFICATION SHIPMENT OF A NON-HAZARDOUS NATURE WHICH DOES NOT HAVE TO BE MANUFESTEDL sportation according to the applicable regulations of the Department of Transportation, U.S. EPA and the State. Th Treatment, Storage or Disposal Facility can and will accept the shipment of hazardous waste, and has a valid p PLEASE PRINT NAME/TITLE EI DURBIT COMPANY

(AREA CODE) CHAMBERS WORKS AT#130 PWATER NS 08003 COMMENTS OR DETAYS AT TSDE TO EQUIPMENT USED:

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P.O. BOX 5010 FREEHOLD: NJ 07726-5010 PHONE: (908) 462-1001 FAX: (908) 308 0924 175 BARTOW MUN. AIRPORT BARTOW, FL 33830 PHONE: (813) 533-4599 FAX: (813) 533-1613 108 MONAHAN AVENUE DUNMORE, PA 18512 PHONE: (717) 342-7232 FAX: (717) 342-7367 350 PIGEON POINT RD. NEW CASTLE, DE 19720 PHONE: (302) 658-2005 FAX: (302) 658-6229

FCI EPA ID NO.: NJD054126164 G 61184

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∵ ! ક	ansportation according to the applica he Treatment: Storage or Disposal F	bie recipiations of the Depart	tmentoETransportation	n: U.S. EPA and the Stat	e. The wastes de	scribed above we	re consigned to the	Transported	named.
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175 BARTOW MUN. AIRPORT BARTOW, FL 33830 PHONE: (813) 533-4599 FAX: (813) 533-1613

FREEHOLD CAHTAGE, INC. 100 MONAHAN AVENUE DUNMORE, PA 18512 PHONE: [717] 342-7232 FAX: [717] 342-7367

350 PIGEON POINT RD. NEW CASTLE, DE 19720 PHONE: (302) 658-2005 FAX-(302) 658-6229

MANIFEST FCI EPA ID NO .: NJD054126164

G 82526

GENERATOR NAME/ADDRESS		PHONE				GENERATOR	EPA ID I	₩O. 11 L I	
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The Treatment, Storage or Disposal Facility carrar									
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FCI EPA ID NO. NJD054128164 G 82415

MANIFEST

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State of I'ew Jersey Department of Environmental Protection and Energy Hazardous Waste Regulation Program Manifest Section CN 421 Trenton, NJ 08625-0421

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UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US El	PA ID No.	Manifest cument No.	2. Page 1	Information	n the shaded areas ad by Federal law.
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the best waste management method that is av-			mace a good	aum enon to	minimize my wasi	cemeration and select
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State of New Jersey Department of Environ nental Protection and Energy Hazardous Waste Regulation Program Manifest Section CN 421, Trenton, NJ 08625-0421

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A case of an emergency or spill immediately call the state the emergency occurred is and the N.J. Dept. of Environmental Protection and Energy. (600) 252-7172

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State of New Jersey Department of Environmental Protection and Energy Hazardous Waste Regulation Program Manifest Section CN 421, Trenton, NJ 08625-0421

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State of New Jersey Department of Environmental Protection and Energy Hazardous Waste Regulation Program Manifest Section CN 421, Trenton, NJ 08625-0421 gned for use on elite (12-pitch) typewriter.)

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State of New Jersey Department of Environmental Protection and Energy Hazardous Waste Regulation Program Manifest Section CN 421, Trenton, NJ 08625-0421

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CN 421, Trenton, NJ 08625-0421 Please type or print in block letters. (Form designed for use on eithe (12-pitch) typewriter.) 1. Generator's US EBA ID No. Manifes: 2. Page UNIFORM HAZARDOUS Information in N Y 1 1 1 4 1 7 3 1 1 1 9 9 6 0 0 0 1 1 2 WASTE MANIFEST is not ret. 'n men and Harris Name and Mailing Address A. State Manifest Document No US Army Corps of Engineers 1907232 ATTN: R. McInerney, Fort Totten, Bldg 200 Room 271, Floyd Bennett Field Flushing, NY 11359-0001 Flatbush Ave., Brooklyn, NY (718) 352-1888 Transporter 1 Company Name US EPA ID Number C. State Trans. ID-NUDEPE Freehold Cartage Inc. Decal No -N J D D D S 4 11 12 16 11 16 14 tansi liter 2 Company Name US EPA ID Number D. Transporter's Phone (908 - 462-1001 E. State Trans. ID-NUDERS 9 Designated Facility Name and Site Address US EPA ID Number Decal No Lionetti Oil Recovery Co., Inc. Transporter's Phone Cheesequake & Runyon Rds. G. State Epolity's ID Old Bridge, NJ 08857 N J D O 8 4 10 4 4 10 16 4 H. Factor Phone: 908 721-0900 12 Containers i 15 GOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group) Petroleum Oil, N.O.S. Class 3 (Petroleum Oil) Combustible Liquid UN 1270 PG III 001 TTX 5239G X 7 2 Additional Descriptions for Materials Listed Above petroleum oil 93 % water 5 % TO4 Filtration Special mandling Instructions and Additional Information NOT EPA REGULATED. REGULATED AS HAZARDOUS WASTE IN NJ Ila. ERG# 27 24 HOUR EMERGENCY PHONE: 201-427-2881 GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately declared. classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to apply the 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 generator or economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me will 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 to the best waste management method that is available to me and that I cap-Transporter 1 Acknowledgement of Panieth Typed Nan 08:169: 18 Transporter 2 Akknowledgement of Receipt of Materials Printec/Typed Name Signature 16 Discrepancy Indication Space

- TSD MAIL TO - TSD'S STATE

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Facility Owner or Operator: Certification of receipt of hazardous materials covered

SIGNATURE AND INFORMATION

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State of New Jersey Department of Environmental Protection and Energy Hazardous Waste Regulation Program Manifest Section CN 028, Trenton, NJ 08625-0028

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Manifest Section CN 421, Trenton, NJ 08625-0421 Messe type or print in block letters. (Form designed for use on eithe (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039. Expires 9-30-6 UNIFORM HAZARDOUS 2. Page 1 Statement in the straded areas is not required by Federal law. WASTE MANIFEST TRIBER 1 7 13 11 11 19 19 10 10 10 11 15 3. Generator's Name and Mailing Address US Army Corps of Engineers of 27 TEUM 23 State Manifest Document Mumber ATTH: R. McInerney, Fort Totten, Bldg 200, Boom 271, "Alasting, AT 11359-0001 remarka iki di iku di telebahan i Generator's Phone (718 - 3 352-1985 US EPA ID Number TO NUDERE 5. Transporter 1 Company Name Freehold Cortage Inc. POCH RESERVE 17 17 17 17 17 14 11 12 15 11 15 14 C. Carinorna Kriopa Lan 1672-18 7. «Bransporter 2 Company Name 18. V desertation of the second LE US EPA ID Number E. State Dank IDANDEPER US EPA ID Number THE PARTY OF THE P CYCLE CHEN INC. Fi Transporter's Phone 217 SOUTH FIRST ST. COS SERVICES IN JID 0 0 0 2 2 0 0 0 0 4 ELIZABETH. NJ 07206 ing 2 12. Linit 11. US DOT Description (Bictuding Proper Shipping Name, Flazard Classics) ID Number and Packing Group) WWW. Wasta No. Туре No. Quantity Westa Gasoline कार 1203 PG II 5058 C. K. Handling Codes for Wastes Listed Above 15. Special Handling Instructions and Additional Information #116. #35286508 00 # ENG 27 24 BOIZ BURGESCT PROJES - 201 727-2881 16., GENERATOR'S CERTIFICATION: I hereby deciare that the contents of this education are fully and accurately described above by proper snipping name and are 16. GENERATOR'S CENTIFICATION: I hereby declare that the continue or time consument are ruly and accurately described above by proper suppling 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.

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State of New Jersey Department of Environmental Protection and Energy Hazardous Waste Regulation Program Manifest Section

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State of New Jersey Department of Environmental Protection and Energy Hazardous Waste Regulation Program Manifest Section CN 421, Trenton, NJ 08625-0421

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		ment regulations. The second of the second o	and sandelly adv	encia nonemind to the d	
	·	smically practicable and that I have selected the practicable method of treatment, storage, o	or disposal cum	rently available to me wh	ich minimizes the present and
		• threat to human health and the environment; OR, if I am a small quantity generator, I have set waste management method-that is available to me and that I can afford.	made a good	Talus disort to minimize it	NAME OF STREET
	or or Print	Signature COM	3 N 02 104	A TOTAL STATE OF THE STATE OF T	Special Month Con Year
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State of New Jersey Department of Environmental Protection and Energy Hazardous Waste Regulation Program

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Manifest Section CN 421, Trenton, NJ 08625-0421 ... Form Approved. OMB No. 2050-0039. Excl pe or print in block letters. (Form designed for use on elite (12-pitch) typewriter.) 1. General Poyue EPA ID No. **UNIFORM HAZARDOUS** Information in the shaded is not required by Federa. **WASTE MANIFEST** Generator's Name and Mailing Address State Manufest Document Number W Alay Copps of Engineers ATTM: R. McInerney, Fort Tottes, 51dg 200, Room 271 Transporter 1 Company Name US EPA ID Number Pecal No. 3 40 respoli Cartese Inc 7. Transponer 2 Company Name US EPA ID Number D. Transporter's Phone (908 352 E. State Trans. ID-NUDEPE #1 US EPA ID Number CYCLE CHEM INC. F. Transporter's Phone (G State Facility ID 217 SOUTH FIRST ST. | | | J | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 4 | 6 | H. Facility's Phone (908-442-490) ELIZABETH, NJ 07206 13. Total 12. Containers 11. US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group) Unit Waste No. Type Quantity WWYol 30 Waste Gazoline 99 1365 PF 90 TG 04451 D. ۰ J. -- Additional Descriptions for Marerials Listed Above 25 gasoliae 962 water 21 solida L.I.R = 1000 = 1018 **建**是西蒙 (4) 一个 (4) 4 **317** 31 6. Special Handling Instructions and Additional Information . __11a._.3528650W 00._ERC# 27 24 DUR RIERCEICT PHOJE: 201-427-2881 16. GENERATOR'S CERTIFICATION: I hereby deciare 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 emment 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 in the mically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me w thou that is available to me and that I can afford. 149 29 Discrepancy Indication Spa 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Month, De



State of New Jersey Department of Environmental Protection Hazardous Waste Regulation Program **Manifest Section**

CN 421, Trenton, NJ 08625-0421 Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.) Form Approved OMB No. 2050-0039 Expires 9-30-96 1. Generator's US EPA ID No. Manifest UNIFORM HAZARDOUS 2 Page 1 information in the shaded areas N Y 1 1 4 1 73 1 1 1 9 9 0 00 00 1 is not required by Federal law. **WASTE MANIFEST** 3. Generator's Name and Mailing Address US Army Corps of Engineers State Manifest Document Number 2290909 ATIN: R. McInerney, Fort Totten, Bldg 200 Room 271 Flushing, NY 11359-0001 LIPAG-BEHUS [Helising quiess) Flatbush Ave. Generator's Phone [718 Transporter 1 Company Name US EPA ID Number C. State Trans. ID-NJDEPE |N|J|D|0|5|4|1|2|6|1|6|4 1 25133 Freehold Cartage Inc. Decal No. US EPA ID Number D. Transporter's Phone (908) 462-1001 Transporter 2 Company Name E. State Trans. ID-NJDEPE Designated Facility Name and Site Address Cycle Chem Inc. US EPA ID Number Decal No. F. Transporter's Phone (217 S. First St. G. State Facility's ID Elizabeth, NJ 07206 NJD10101012121010101416 H. Facility's Phone (908) 355-5800 12. Containers 11. US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group) I. Waste No. Unit Total Waste Petroleum Mixture Liquid, N.O.S. DOT Non-Regulated RCRA Non-Hazardous OKICIDIMICIOSIO G Waste Petroleum Mixture Liquid, N.O.S. RCRA Non-Hazardous DOT Non-Regulated DIO LA DIMA LA SUB R C. Waste Chemical N.O.S. **MAKKKKHXXXXXX** RCRA Non-Hazardous DOBDIM 09 165 G DOT Non-Regulated 100% WATER SOFTENER K. Handling Codes for Wastes Listed Above 100% Flerioun to Materials bisted Appre 50% Fuel Oil/50% 15. Special Handling Instructions and Additional Information 352**6**65CEH006 11a. 2526366₩ 3528650W 24 HOUR EMERGENCY PHONE: 201-427-2881 11b. 352**6**65CEH002 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 foxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of freatment, storage, or disposal currently available to me which initimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator. I have made a good teith effort to minimize my waste generation and select the best waste management method that is available to me and that I can affor Printe#/Typed Name Monih Day Year Transporter 1 Acknowledgement Printed Typed Namo Month Day DO HN 18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name Month Day

292

20. Facility Owner or Opurato	Certification of receipt of hazardou	s materials covered by thi	s manifest except as noted a	Hom 19
	<i></i>			ـــ هر

SIGNATURE AND INFORMATION MUST BE LEGIBLE

UST CLOSURE REPORT

UST SCRAP METAL DISPOSAL TICKETS

USACE CONTRACT #94-C-0037
REMOVAL OF STORAGE TANKS, TRANSFORMERS &
MISCELLANEOUS, VARIOUS LOCATIONS, NEW YORK

SITE LOCATION: FLOYD BENNETT FIELD, GATEWAY NATIONAL RECREATION AREA, BROOKLYN, NEW YORK



Floyd Bennett Field Booklyn NO FM 305731 NAPORANO IRON & METAL CO. P.O. BOX 5158 **NEWARK. NJ 07105**

TRANSACTION DATE: 07/25/95 CHECK NO 305731

PAID TO:

C.U.T.E.

103 Sodwin Avenue

Midland Park

NJ 07432

• THE ATTACHED CHECK IS IN PAYMENT OF THE ITEMS DESCRIBED BELOW. IF NOT CORRECT PLEASE NOTIFY US PROMPTLY.

ACCT. NO.:

1607 / 00243195

VOUCHER NO 305731

			RECEIVE				UNIT			UNIT		ĒĴ٥	EQUIPM		
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TOTAL AMOUNT DUE SUPPLIER: \$1.715.0

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P.O. BOX 5158 NEWARK, NJ 07105 NO. FM 306595

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<u>,</u>	ACCT.	NO.:	:60	17 / 00243	195			VO	UCHE	R NO	308595					
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													MOUNT	DUE SUPPL	•••	\$523.0

OUTISIDE JOB REMITTANCE ADVICE FOR PERIOD 01/01/95 THRU 08/18/95



P.O. BOX 5158 **NEWARK, NJ 07105** NO. **HS** 136610

CHECK NO 136610

TRANSACTION DATE:

D TO:

C.U.T.E.

103 Godwin Avenue

Midland Park

NJ 07432

 THE ATTACHED CHECK IS IN PAYMENT OF THE ITEMS DESCRIBED BELOW. IF NOT CORRECT PLEASE NOTIFY US PROMPTLY.

ACCT. NO.:

1607 / 00243195

VOUCHER NO 136610

95 AUG 23 11 26 AM / 12 06 PM

RN: 296209 , GROSS: 74020 LBS, TARE: 36740 LBS, DEDUCT:

0 L8S (

), NET: 37280 LBS / 16.64 GT

PRODUCT	DESCRIPTION	LBS	GT	PRICE	PER	AMOUNT	LOC
	2205257220111111111111111111111111111111	*****	******	********	===		*****
300	UPPD P&S	37280	16.54	76.0000	GT	1,265.00	SH

FREIGHT CHARGE / LOAD WASTE CHARGE TOTAL AMOUNT DUE SUPPLIER

\$1,265.00

SCALE MATERIAL REMITTANCE ADVICE

NAPORANO IRON & METAL CO. P.O. BOX 5158 NEWARK, NJ 07105

PRIDE IN PERFORMANCE

National Westminster Bank NJ KINGS HIGHWAY and RAILROAD AVENUE SWEDESBORD, N.J. 06085 This is a Zaro-Balance Account Phone 201-547-7795

NO. **HS** 136610

DATE AMOUNT 95 AUG 23 **\$1265.00***

PAY THIS AMOUNT

**** ONE THOUSAND. TWO HUNDRED SIXTY FIVE DOLLARS ****

TO THE ORDER OF:

C.U.T.E.

103 Godwin Avenue

Midland: Park

NJ: 07432

CHECK VOID AFTER 90 DAYS

296



P.O. BOX 5158 **NEWARK, NJ 07105** NO. FM 306909

TRANSACTION DATE:

39/31/95 CHECK NO. 305909

PAID TO:

C.3.T.E.

103 Godwin Avenue

Midland Park

NU 07433

 THE ATTACHED CHECK IS IN PAYMENT OF THE ITEMS DESCRIBED BELOW. IF NOT CORRECT PLEASE NOTIFY US PROMPTLY.

ACCT. NO.:

1507 / 20242195

AURCHES WO 302000

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9340 EXP. REC. FRE

TOTAL AMOUNT DUE SUPPLIER:

OUTISIDE JOB REMITTANCE ADVICE FOR PERIOD 01/01/95 THRU 08/31/95

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P.O. BOX 5158 NEWARK, NJ 07105 NO. FM 311020

	TRANSACTIO	N DATE:		2/27/	96 C	HECK NO 3	1162	8			
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TOTAL AMOUNT DUE SUPPLIER: \$1,115.99

UST CLOSURE REPORT

BACKFILL RECEIPTS

USACE CONTRACT #94-C-0037
REMOVAL OF STORAGE TANKS, TRANSFORMERS &
MISCELLANEOUS, VARIOUS LOCATIONS, NEW YORK

SITE LOCATION: FLOYD BENNETT FIELD, GATEWAY NATIONAL RECREATION AREA, BROOKLYN, NEW YORK

		1 - 1 / 6 /	24 Leute	No.165121
FRED McDC	WELL INC.		<i>J'</i>	30 . 11
ROUTE 34, WA	LL, N.J. 07719		. 6	
908/68	1-5000	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	aps to the	N-
		How Bens	· Did	
ASPHAL		The state of the s		
FARMING	DALE, N.J.		LBS. BITUMINOUS CONCRETE	
GRAVEL	. PLANT		LBS. BITUMINOUS CONCRETE (SPECIAL MIX)	
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j		767 76	BINK WIN	N
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	TO PLANT	73490		
		le len		123 41
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SHIPPER	0 %	P	McDowell inc. makes no representation of the materials purchased or their fitness for	

FRED McDO ROUTE 34, WAL 908/681 ASPHALT	LL, N.J. 07719 -5000		AA/Cite	No.165122 7. 26-95	}
FARMINGD		j	LBS. BITUMINOUS CONCRETE		
GRAVEL	PLANT		LBS. BITUMINOUS CONCRETE (SPECIAL MIX)		
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FRED McDC	WELL INC.	10.1	10 1 10000	/ /	ني ب	
ROUTE 34, WA	LL, N.J. 07719			٠ · · ن ن	· 5 "	/
908/68	1-5000			707	× 1 11	
ASPHALT	r PLANT	Hond Be	un ded		<i></i>	
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GRAVEL	. PLANT		LBS. BITUMINOUS CON (SPECIAL MIX)	ICRETE		
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	TO PLANT	65040				
		les.			20.	12
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SHIPPER	1/4	- ")	McDowell Inc. makes no repre- the materials purchased or their		of any kind r	especting
						

FRED McD(OWELL INC	- COB	ig A/Cute	No.167907
ROUTE 34, WA	ALL, N.J. 07719 1-5000	Deand Ben	BILL SILL	5. 30 ·
FARMING		Í	LBS. BITUMINOUS CONCRETE	
GRAVEL PLANT			LBS. BITUMINOUS CONCRETE (SPECIAL MIX)	
WEST BEI	MAR, N.J.		LBS. CRUSHED STONE	
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			Big A Kute N	10.1673J	8		
FRED McDC	WELL INC.						
	LL, N.J. 07719		5		i		
908/68			Significant South	1			
4.55		Front Beau	Front Birn Ich				
ASPHALT PLANT FARMINGDALE, N.J.			LBS. BITUMINOUS CONCRETE				
● GRAVEL PLANT			LBS. BITUMINOUS CONCRETE (SPECIAL MIX)				
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FRED McDO\ ROUTE 34, WAL 908/681-	L, N.J. 07719	1 1	Big A / Certe N	01679:	14
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FARMINGDA	LE, N.J.	<i>y</i>	LBS. BITUMINOUS CONCRETE		
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	TO PLANT	60,450		12	
		box		20.	94
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	•	Along Bens	BigA/Cute	No.167915
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GRAVEL PLANT			LBS. BITUMINOUS CONCRETE (SPECIAL MIX)	
WEST BEL	MAF., N.J.		LBS. CRUSHED STONE	
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SHIPPER		->	McDowell Inc. makes no representation or wa the materials purchased or their fitness for any	rranty of any kind respecting use.

FRED McDO ROUTE 34. WAI 908/681	.L, N.J. 07719	14	Beg A / Cute N	6.1679:	6
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ASPHALT PLANT FARMINGDALE, N.J. GRAVEL PLANT			LBS. BITUMINOUS CONCRETE		
			LBS. BITUMINOUS CONCRETE (SPECIAL MIX)		
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FDCD 11-0	NUELL ING	1 By	g A /Cute	, No.	16793	21
	OWELL INC. ALL, N.J. 07719		, , ,	5 3	٠ ٠ ٠ رو	ا سم
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GRAVEL PLANT			LBS. BITUMINOUS CO			
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FRED McDC	WELL INC.	1 4 2 %	Beg A/Cete No	16792	2
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GRAVEL PLANT WEST BELMAR, N.J.			LBS. BITUMINOUS CONCRETE (SPECIAL MIX)		
			LBS. CRUSHED STONE		
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FRED McDC ROUTE 34, WA 908/68 ASPHAL	NLL, N.J. 07719 1-5000	Fland Benn	Big A Kute N	10.167923
FARMING		J	LBS. BITUMINOUS CONCRETE	
GRAVEL PLANT WEST BELMAR, N.J.			LBS. BITUMINOUS CONCRETE (SPECIAL MIX)	
			LBS. CRUSHED STONE	
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		Carles .		22.11
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SHIPPER		1-	McDowell Inc. makes no representation or wart the materials purchased or their fitness for any u	anty of any kind respecting se.
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		1 4 14 1	ZigA/lute , No	.16732	8
FRED McDO	WELL INC.	/		7-121	'
ROUTE 34, WAI 908/681	LL, N.J. 07719	رين	W13 - 25%	NS	
•		Aland Benn-	7U.		
ASPHALT FARMINGD		J	LBS. BITUMINOUS CONCRETE		
● GRAVEL PLANT			LBS. BITUMINOUS CONCRETE (SPECIAL MIX)		
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			Big A/Cut	// No	1679	• •
FRED McDC	OWELL INC.	1 1 13 1	July 11 July		. 	-
ROUTE 34, WA	ALL, N.J. 07719				()(")	
908/68	1-5000		Comment of	" 1 1/ h	<u></u>	
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FRED McDC	WELL INC.	1 = 2 /	BigA/Cuté, No.	16793	1 7
ROUTE 34, WALL, N.J. 07719 908/681-5000 ● ASPHALT PLANT		Floyd Benn	Del.	NE	
FARMINGE		Ú	LBS. BITUMINOUS CONCRETE		
● GRAVEL PLANT			LBS. BITUMINOUS CONCRETE (SPECIAL MIX)		
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FRED McD	OWELL INC.		DegH	Cuti	No.	677	9	
ROUTE 34, W	/ALL, N.J. 07719 81-5000) ·), ;				•	
ASPHALT PLANT		- Stery	Stond Dran & Cd					
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FRED McDO ROUTE 34, WAL 908/681	L, N.J. 07719	21 / U	Big A	Kute		6 7 78	2	
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FARMINGD	1	ý	LBS	BITUMINOUS CONCRETE				
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TIME OFF JOB	TIME BACK TO PLANT	24600						
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McDowell Inc. makes no representation or warranty of any kind respecting the materials purchased or their fitness for any use.

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ROUTE 34.1	OWELL INC WALL, N.J. 07719 681-5000		o Orio - And	<u> </u>
ASPH	• ALT PLANT	Older B	LBS. BITUMINOUS CONCRETE	
•	NGDALE, N.J.		LBS. BITUMINOUS CONCRETE (SPECIAL MIX)	
_	VEL PLANT BELMAR, N.J.		LBS. CRUSHED STONE	
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		4 1 35	O BANK AN	
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	21/1	<u> </u>	The Purchaser represents that purchaser this sales slip has selected the above materials.	or his authorized Agent who signs
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	WELL 1100	11 2 Big.	A/Cecte No	167799
RED McDO ROUTE 34, WAL	I		i di	2830
908/681 •	-5000	Hund Ces	in side	Vrc
ASPHALT FARMINGD		J	LBS. BITUMINOUS CONCRETE	
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		60970		

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McDowell Inc. makes no representation or warranty of any kind respecting the materials purchased or their fitness for any use.

		- 	BigA/Cute No	1673	01
FRED MCDO ROUTE 34, WAI		1	Mr. Cartes		
908/681 •		Hoesk Be	enn Fill		
ASPHALT FARMINGE			LBS. BITUMINOUS CONCRETE		
GRAVEL			LBS. BITUMINOUS CONCRETE (SPECIAL MIX)		
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FRED McDO ROUTE 34, WAI 908/681	LL. N.J. 07719		Eigh/Cuti No	1678	<u></u>
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FARMINGD		J -	LBS. BITUMINOUS CONCRETE		7
GRAVEL	PLANT		LBS. BITUMINOUS CONCRETE (SPECIAL MIX)		
WEST BELI	MAR, N.J.		LBS. CRUSHED STONE		
TIME FROM PLANT	TIME ON JOB	,			
		42420	BANK- NOV	<i>i</i> ~	
TIME OFF JOB	TIME BACK TO PLANT	25600			<u> </u>
	TO FLANT	61070			
	1441	1 les		21.	21
RECEIVED BY	THE T	· · · · · · · · · · · · · · · · · · ·	The Purchaser represents that purchaser or his a this sales slip has selected the above materials. McDowell Inc. makes no representation or warra		no signs

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FRED McD(OWELL INC.	- 1	Big A Cute	No.1873	18
	ALL, N.J. 07719 1-5000	Hourd Bear	de de la como de la co	()	ディー <u>デ</u>
FARMING		- J	LBS. BITUMINOUS CONCRETE		
GRAVE	_ PLANT		LBS. BITUMINOUS CONCRETE (SPECIAL MIX)		
WEST BEI	MAR, N.J.		LBS. CRUSHED STONE		
ME FROM PLANT	TIME ON JOB				
		6. 3186	2000 NO	V 2	
TIME OFF JOB	TIME BACK	24 600		7	
	TO PLANT	57660	20 44		
		lun		20.	44
					~
ROUTE 34, WA	WELL INC.		Sig A/Cete	No.1678	y`.
ROUTE 34, WA 908/68	1-5000	Haya Beene	Big A/Ceite 3	- 1	y`.
ROUTE 34. WA 908/68 ASPHAL	LL. N.J. 07/19		LBS. BITUMINOUS CONCRETE	- 1	y`.
ROUTE 34. WA 908/68 ASPHAL FARMING	1-5000 T PLANT		LBS. BITUMINOUS CONCRETE	- 1	y`.
ASPHAL FARMING GRAVE WEST BE	T PLANT DALE, N.J. L PLANT ELMAR, N.J.	Hoyd Beine	LBS. BITUMINOUS CONCRETE LBS. BITUMINOUS CONCRETE (SPECIAL MIX) LBS. CRUSHED STONE	- 1	2
ROUTE 34. WA 908/68 ASPHAL FARMING	T PLANT DALE, N.J. L PLANT ELMAR, N.J.	Hayû Beene	LBS. BITUMINOUS CONCRETE LBS. BITUMINOUS CONCRETE (SPECIAL MIX)	- 4 4 V	2

RECEIVED BY

SHIPPER

The Purchaser represents that purchaser or his authorized Agent is signs this sales slip has selected the above materials.

McDowell Inc. makes no representation or warranty of any kind respecting the materials purchased or their fitness for any use.

			Big A/Cute N	.1673	. I
FRED McD	OWELL INC.				—
	ALL, N.J. 07719		to come to	•	
908/68	31-5000 ●	30 1 3	, F. J	J 1/2	مراجع
ASPHAL	T PLANT	Though Der	ir Juld	11	
FARMING	DALE, N.J. ●		LBS. BITUMINOUS CONCRETE		
GRAVE	L PLANT		LBS. BITUMINOUS CONCRETE (SPECIAL MIX)		
WEST BE	LMAR, N.J.		LBS. CRUSHED STONE		i
TIME FROM PLANT	TIME ON JOB			- 	
		77460	CARL CAN	1	
TIME OFF JOB	TIME BACK	16600			
	TO PLANT	66,050		1 -	
	, 1	Line		19	13
	MARY		The Purchaser represents that purchaser or his	authorized Agent	who signs
ECEIVED BY	1.011		this sales slip has selected the above materials. McDowell Inc. makes no representation or warr	anty of any kind	respecting
					
		B	j A/Cuti. No	16783	 36
FRED McDO	LL, N.J. 07719	Be		1678	36
FRED McDC ROUTE 34, WA 908/681	LL, N.J. 07719 -5000	Alack Bina	jA/Cute. No	16783 Zn-	36
RED McDC ROUTE 34, WA 908/681 ASPHALT	LL, N.J. 07719 -5000 PLANT	Alux Gene	MAN - P. D.	16783	36
RED MCDO ROUTE 34, WA 908/681 ASPHALT FARMINGE	LL, N.J. 07719 -5000 PLANT PALE, N.J.	Hugh Ginn	LBS. BITUMINOUS CONCRETE	16783	36
RED McDO ROUTE 34, WAI 908/681 ASPHALT FARMINGE GRAVEL	LL, N.J. 07719 -5000 PLANT PLANT	Bluck Ginn	LBS. BITUMINOUS CONCRETE LBS. BITUMINOUS CONCRETE (SPECIAL MIX)	2.2	36
RED McDO ROUTE 34, WAI 908/681 ASPHALT FARMINGE GRAVEL WEST BELI	LL, N.J. 07719 -5000 PLANT PLANT PLANT MAR, N.J.	Black Geno	LBS. BITUMINOUS CONCRETE LBS. BITUMINOUS CONCRETE	16783	36
RED McDO ROUTE 34, WAI 908/681 ASPHALT FARMINGE GRAVEL WEST BELI	LL, N.J. 07719 -5000 PLANT PLANT	Flagt Gina	LBS. BITUMINOUS CONCRETE LBS. BITUMINOUS CONCRETE (SPECIAL MIX)	16783 Zn -	36
RED McDO ROUTE 34, WAI 908/681 ASPHALT FARMINGE GRAVEL WEST BELI	LL, N.J. 07719 -5000 PLANT PLANT PLANT MAR, N.J.	Flux Geno	LBS. BITUMINOUS CONCRETE LBS. BITUMINOUS CONCRETE (SPECIAL MIX)	16783	36
RED McDO ROUTE 34, WAI 908/681 ASPHALT FARMINGE GRAVEL WEST BELI	LL, N.J. 07719 -5000 PLANT DALE, N.J. PLANT MAR, N.J. TIME ON JOB	Flagt Gina	LBS. BITUMINOUS CONCRETE LBS. BITUMINOUS CONCRETE (SPECIAL MIX) LBS. CRUSHED STONE	7 n -	36
RED McDC ROUTE 34, WA 908/681 ASPHALT FARMINGE GRAVEL WEST BEL	LL, N.J. 07719 -5000 PLANT PLANT MAR, N.J. TIME ON JOB	Flagt Gina	LBS. BITUMINOUS CONCRETE LBS. BITUMINOUS CONCRETE (SPECIAL MIX) LBS. CRUSHED STONE	7 n -	36
RED McDC ROUTE 34, WA 908/681 ASPHALT FARMINGE GRAVEL WEST BEL	LL, N.J. 07719 -5000 PLANT DALE, N.J. PLANT MAR, N.J. TIME ON JOB	Flagt Gina	LBS. BITUMINOUS CONCRETE LBS. BITUMINOUS CONCRETE (SPECIAL MIX) LBS. CRUSHED STONE	7 N	36
908/681 ASPHALT FARMINGE GRAVEL WEST BELI IME FROM PLANT TIME OFF JOB	LL, N.J. 07719 -5000 PLANT DALE, N.J. PLANT MAR, N.J. TIME ON JOB TIME BACK TO PLANT	21 0 1 FO ~6600 675 FO	LBS. BITUMINOUS CONCRETE LBS. BITUMINOUS CONCRETE (SPECIAL MIX) LBS. CRUSHED STONE 2 F 1/ 1 N	7 N	19
RED McDC ROUTE 34, WA 908/681 ASPHALT FARMINGE GRAVEL WEST BELI	LL, N.J. 07719 -5000 PLANT DALE, N.J. PLANT MAR, N.J. TIME ON JOB	Fluid Geno 	LBS. BITUMINOUS CONCRETE LBS. BITUMINOUS CONCRETE (SPECIAL MIX) LBS. CRUSHED STONE	20. uthonzed Agent	i 9 vho signs

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FRED MCDC	WELL INC.			No.1678 :	.
908/68 ASPHÁL	1-5000	- Hoya Ben	Morro of	1 1/2 11	·
FARMING		J	LBS. BITUMINOUS CONCRETE		
GRAVEL	PLANT		LBS. BITUMINOUS CONCRETE (SPECIAL MIX)	- 	
WEST BEL	MAR, N.J.	,	LBS. CRUSHED STONE		
IME FROM PLANT	TIME ON JOB				
·		47100	3/11/2/11	72	
TIME OFF JOB	TIME BACK	3 5 650			<u> </u>
	TO PLANT	6/14/	2127		
		lun		21	22
HIPPER					
FRED MC	DOWELL IN(WALL, N.J. 07719 1/681-5000	c	Bug A /Cette	No.1678	847
FRED Mc ROUTE 34.	WALL, N.J. 07719 0/681-5000	2. I -i F	BigA/Cecte Le Mans 7AV	No.1671	
FRED MC ROUTE 34. 908 ASPH	WALL, N.J. 07719	3i- F	Bez A/Cette Le Maris 7AV; LBS. BITUMINOUS CONCRETE	No.1671	
FRED MC ROUTE 34. 908 ASPH FARM	WALL, N.J. 07719 1/681-5000 • ALT PLANT	Ci- F	LBS. BITUMINOUS CONCRETE	No.1671	
FRED MC ROUTE 34. 908 ASPH FARM	WALL, N.J. 07719 1/681-5000 ALT PLANT INGDALE, N.J.	C F. Slayd Be	LBS. BITUMINOUS CONCRETE	No.1671	
FRED MC ROUTE 34. 908 ASPH FARM	WALL, N.J. 07719 1/681-5000 ALT PLANT INGDALE, N.J. VEL PLANT BELMAR, N.J.	Hayd Be	LBS. BITUMINOUS CONCRETE LBS. BITUMINOUS CONCRETE (SPECIAL MIX)	No.1671	
FRED MC ROUTE 34. 908 ASPH FARM GRAY WEST	WALL, N.J. 07719 1/681-5000 ALT PLANT INGDALE, N.J. VEL PLANT BELMAR, N.J.	Hayd Be	LBS. BITUMINOUS CONCRETE LBS. BITUMINOUS CONCRETE (SPECIAL MIX)		
FRED MC ROUTE 34. 908 ASPH FARM GRAY WEST	WALL, N.J. 07719 1/681-5000 ALT PLANT INGDALE, N.J. VEL PLANT BELMAR, N.J. NT TIME ON JOE	Hayd Be	LBS. BITUMINOUS CONCRETE LBS. BITUMINOUS CONCRETE (SPECIAL MIX) LBS. CRUSHED STONE		
FRED MC ROUTE 34. 908 ASPH FARM GRAY WEST	WALL, N.J. 07719 1/681-5000 ALT PLANT INGDALE, N.J. VEL PLANT BELMAR, N.J. NT TIME ON JOE	Hayd Be	LBS. BITUMINOUS CONCRETE LBS. BITUMINOUS CONCRETE (SPECIAL MIX) LBS. CRUSHED STONE		
FRED MC ROUTE 34. 908 ASPH FARM GRAY WEST	WALL, N.J. 07719 1/681-5000 ALT PLANT INGDALE, N.J. VEL PLANT BELMAR, N.J. NT TIME ON JOE	Hayd Be	LBS. BITUMINOUS CONCRETE LBS. BITUMINOUS CONCRETE (SPECIAL MIX) LBS. CRUSHED STONE	or his authorized Agarials.	ent sho sign:

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ROUTE 34, W	OWELL INC. ALL, N.J. 07719 B1-5000		BigA/Cute	. No.167846
	T PLANT Dale, N.J.	Floyd Ben	FLL	
•	•		LBS. BITUMINOUS CONC	RETE
GRAVEI WEST BEI	- PLANT .MAR, N.J.		LBS. BITUMINOUS CONC (SPECIAL MIX)	
TIME FROM PLANT	TIME ON JOB		LBS. CRUSHED STONE	
TIME OFF JOB	TIME BACK	4232	O BANG	
	TO PLANT	64 125		
	10	Jens	The Purchaser represents that purchases step has selected the above McDowell Inc. makes no representathe materials purchased or their litne	

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		1/11/13	ig A/Cute No	16785	1
RED McDO	WELL INC.		5		
ROUTE 34. WALL		/·	war of	111	
908/681- •		Alud Ben.	All.		
ASPHALT FARMINGDA		J.	LBS. BITUMINOUS CONCRETE		<u> </u>
•			LBS. BITUMINOUS CONCRETE (SPECIAL MIX)		F
GRAVEL WEST BELM			LBS. CRUSHED STONE		1
IME FROM PLANT	TIME ON JOB				
		116'00	BOKK AUD	<u>~</u>	ļ
		16600			
TIME OFF JOB	TIME BACK TO PLANT	72700	2305		
		Len		a_	05
IECEIVED BY	<u> </u>		The Purchaser represents that purchaser or his this sales slip has selected the above materials McDowell Inc. makes no representation or wa	. t rranty of any kind	
		200	the materials purchased or their fitness for any	use.	

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FRED McDC	WELLING		Big A/Cute N	o167338
ROUTE 34, WA 908/68	LL, N.J. 07719 1-5000	Floya Ben	NINO TO SEL	
FARMING	DALE, N.J.	0	LBS. BITUMINOUS CONCRETE	
GRAVEL	. PLANT		LBS. BITUMINOUS CONCRETE (SPECIAL MIX)	
WEST BEL	MAR, N.J.		LBS. CRUSHED STONE	:
TIME FROM PLANT	TIME ON JOB			:
		4020	BARK A.N	10
TIME OFF JOB	TIME BACK	21,500		
	TO PLANT	72330		
	1			22 01
RECEIVED BY	KIM	,	The Purchaser represents that purchaser or his this sales slip has selected the above materials.	
SHIPPER	2/3	+ A	McDowell Inc. makes no representation or ward the materials purchased or their fitness for any u	
		· .		

FRED McDO ROUTE 34, WAI 908/681	LL, N.J. 07719 -5000	Blank Benn	2000 No	10.167865
ASPHALT FARMINGD		J. J.	LBS. BITUMINOUS CONCRETE	
GRAVEL			LBS. BITUMINOUS CONCRETE (SPECIAL MIX)	
WEST BEL	MAR, N.J.		LBS. CRUSHED STONE	
TIME FROM PLANT	TIME ON JOB			
		41740	APNA NON	\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\
TIME OFF JOB	TIME BACK TO PLANT	25500	,	
		583 90		
		(Lend		20 97
RECEIVED BY	(·)	-	The Purchaser represents that purchaser or his this sales slip has selected the above materials McDowell Inc. makes no representation or wal the materials purchased or their fitness for any	rranty of any kind respecting
SHIPPER	1		and materials balliciased of their illiess for any	usu.

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FRED MCDO ROUTE 34, WAL	L, N.J. 07719		ن الاستان الاس الاستان الاستان No.167888	
908/681 ● ASPHÅLT		Hand Ben	and the Acc	Y_112
FARMINGD			LBS. BITUMINOUS CONCRETE	
GRAVEL	PLANT		LBS. BITUMINOUS CONCRETE (SPECIAL MIX)	
WEST BELA	MAR, N.J.		LBS. CHUSHED STONE	
IME FROM PLANT	TIME ON JOB			
		45500	RANKION	
TIME OFF JOB	TIME BACK	26600		
	TO PLANT	7/ (3/		
		in such		22.94
CEIVED BY			The Purchaser represents that purchaser or his this sales slip has selected the above materials	5.
IIPPER	4.	- 1-	McDowell Inc. makes no representation or war the materials purchased or their fitness for any	

	1	2 2 6	is A /Cute No	0.1673/6
FRED McDO	NELL INC.		<i>(</i>	2 1 7
ROUTE 34, WALL, N.J. 07719 908/681-5000		Hona Ber	POSPNO - AS	1_N
ASPHALT		J	LBS. BITUMINOUS CONCRETE	
FARMINGDALE, N.J. GRAVEL PLANT WEST BELMAR, N.J.			LBS. BITUMINOUS CONCRETE (SPECIAL MIX)	
			LBS. CRUSHED STONE	
TIME FROM PLANT	TIME ON JOB			
		41166	ZANK A.N	N N
TIME OFF JOB	TIME BACK	13600		
	TO PLANT	6,650		
		1. les		20.53
RECEIVED BY	5,5	J J	The Purchaser represents that purchaser or his this sales slip has selected the above materials McDowell Inc. makes no representation or wa).
SHIPPER	K	~ /)	the materials purchased or their fitness for any	use.

F0F0 11 00	WELL WA		ig A Keite	No.167879
FRED McDOWELL INC. ROUTE 34, WALL, N.J. 07719 908/681-5000 ASPHALT PLANT			of my of A.	1 2 x y r
FARMINGD		J	LBS. BITUMINOUS CONCRET	E
GRAVEL PLANT			LBS. BITUMINOUS CONCRET	E
WEST BELL	MAR, N.J.		LBS. CRUSHED STONE	
TIME FROM PLANT	TIME ON JOB			
		40150	LORA AU	N N
TIME OFF JOB	TIME BACK TO PLANT	33600		
	. / , (J.J.D.		30 39
RECEIVED BY The Purchaser represents that purchaser or his authorized Dar Who sign this sales slip has selected the above materials. McDowell Inc. makes no representation or warranty of any kind respecting the materials purchased or their fitness for any use.				naterials. In or warranty of any kind respecting

		1 14 3	ig A / Cute, No	.1678	30	
FRED McDOWELL INC.			4) A '	and the same of th	
ROUTE 34, WAL	L, N.J. 07719					
908/681		12 MAJ ONE NO				
•		Bloyd Benn Hed				
	ASPHALT PLANT FARMINGDALE, N.J.		LBS. BITUMINOUS CONCRETE			
GRAVEL PLANT WEST BELMAR, N.J.			LBS. BITUMINOUS CONCRETE (SPECIAL MIX)			
			LBS. CRUSHED STONE			
TIME FROM PLANT	TIME ON JOB					
	•	62520	JANF JIN	\ \tau_{\tau}	<u> </u>	
TIME OFF JOB	TIME BACK	26500				
11112 37 . 933	TO PLANT	0/120	2124			
·		les		91	26	
RECEIVED BY		· · · · · · · · · · · · · · · · · · ·	The Purchaser represents that purchaser or his a this sales slip has selected the above materials.			
SHIPPER	3/2	<u> </u>	McDowell Inc. makes no representation or warra the materials purchased or their fitness for any uses		respecting	
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FRED McDOWELL INC. ROUTE 34, WALL, N.J. 07719 908/681-5000		2	Big A/Cute !!	101678	82
		That Bean Ald			
ASPHALT PLANT FARMINGDALE, N.J.		- J	LBS. BITUMINOUS CONCRETE		
GRAVEL PLANT WEST BELMAR, N.J.		•	LBS. BITUMINOUS CONCRETE (SPECIAL MIX)		
			LBS. CRUSHED STONE		
TIME FROM PLANT	TIME ON JOB			.	
		1/2/2	13 BINK AUN	ر.	
TIME OFF JOB	TIME BACK	2/5/500			
111112 01 1 100	TO PLANT	6+ 74;	·		
!		lung		21	06
RECEIVED BY	5/6		The Purchaser represents that purchaser or hithis sales slip has selected the above materia	S.	•
SHIPPER	K	<i>)</i>	McDowell inc. makes no representation or w the materials purchased or their fitness for an	arranty of any Kino y use.	respecting

FRED McDOWELL INC. ROUTE 34, WALL, N.J. 07719 908/681-5000			n Fled	01678	83
ASPHALT	PLANT	Hoyd Din	n Ild,		
FARMINGD	ALE, N.J.	<i>O</i>	LBS. BITUMINOUS CONCRETE		
● GRAVEL PLANT			LBS. BITUMINOUS CONCRETE (SPECIAL MIX)		
WEST BELI	MAR, N.J.		LBS. CRUSHED STONE		
TIME FROM PLANT	TIME ON JOB				
		42200	1-ANTON	150	1
TIME OFF JOB	TIME BACK	-36600			
·	TO PLANT	68700			
		1 des		21	10
RECEIVED BY	X141		The Purchaser represents that purchaser or his a this sales slip has selected the above materials.	iuthorized Aged	Wing Signs
SHIPPER	`		McDowell Inc. makes no representation or warra the materials purchased or their fitness for any us		respecting

FRED McDOWELL INC. ROUTE 34, WALL, N.J. 07719 908/681-5000 ASPHALT PLANT FARMINGDALE, N.J. GRAVEL PLANT		Hond Gens red				
		1	LBS. BITUMINOUS CONCRETE			
			LBS. BITUMINOUS CONCRETE (SPECIAL MIX)			
. WEST BEL	MAR, N.J.		LBS. CRUSHED STONE			
TIME FROM PLANT	TIME ON JOB					
		47020	APPL JUN	5		
TIME OFF JOB	TIME BACK TO PLANT	13600				
		12610		<u> </u>		
		w king		23	5i	
RECEIVED BY			The Purchaser represents that purchaser or his au this sales slip has selected the above materials. McDowell Inc. makes no representation or warral the materials purchased or their fitness for any use	nty of any kind :		