U.S. ENVIRONMENTAL PROTECTION AGE

REGION III

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION III

MULTI-MEDIA INSPECTION REPORT
U.S. MARINE CORPS
QUANTICO MARINE BASE

AUGUST 11-15, 1997

ATTACHMENTS & PHOTOGRAPHS

FACILITY INSPECTION PROGRAM
ANNAPOLIS, MARYLAND

RCRA
Attachments

Please print or type with ELITE type (12 characters per inch) in the unshaded a

KCRA- 1

For EPA Regional Use Only		
Date Received Month Day Year		

United States Environmental Protection Agency
Washington, DC 20460

Hazardous Waste Permit Application Part A

(Read the Instructions before starting)

I. Installation's EPA ID Number *(Mark 'X' in the appropriate box)*

[ ] A. First Part A Submission

[X] B. Part A Amendment # 5

C. Installation's EPA ID Number	D. Secondary ID Number *(If applicable)*
VA1170024722	

II. Name of Facility

MARINE CORPS BASE QUANTICO

III. Facility Location *(Physical address not P.O. Box or Route Number)*

A. Street

NREA BRANCH (B046)

Street *(Continued)*

3040 McCAWLEY AVENUE SUITE 2

City or Town	State	Zip Code
QUANTICO	VA	22134-5053

County Code *(If known)*	County Name
	PRINCE WILLIAM/STAFFORD

B. Land Type (Enter code)	C. Geographic Location		D. Facility Existence Date
	LATITUDE *(Degrees, minutes, & seconds)*	LONGITUDE *(Degrees, minutes & seconds)*	Month Day Year
F	38 33	77 25	04 30 1989

IV. Facility Mailing Address

Street or P.O. Box

SAME AS ITEM III

City or Town	State	Zip Code
		-

V. Facility Contact *(Person to be contacted regarding waste activities at facility)*

Name *(Last)*	*(First)*
PHIPPS	RALPH

Job Title	Phone Number *(Area Code and Number)*
ENV PGMS MGR	703-784-4030

VI. Facility Contact Address *(See Instructions)*

A. Contact Address Location	Mailing	Other	B. Street or P.O. Box
X			

City or Town	State	Zip Code
		-

EPA I.D. Number *(Enter from page 1)*: VA1170024722

Secondary ID Number *(Enter from page 1)*:

VII. Operator Information *(See Instructions)*

Name of Operator: U.S. MARINE CORPS BASE

Street or P.O. Box: 3250 CATLIN AVENUE SUITE 203

City or Town: QUANTICO

State: VA

ZIP Code: 22134-5001

Phone Number *(Area Code and Number)*: 703-784-5900

B. Operator Type: F

C. Change of Operator Indicator: Yes [ ] No [X]

Date Changed: Month / Day / Year

VIII. Facility Owner *(See Instructions)*

A. Name of Facility's Legal Owner: DEPARTMENT OF NAVY COEFACHES

Street or P.O. Box: 901 M STREET SE

City or Town: WASHINGTON

State: DC

ZIP Code: 20374-5018

Phone Number *(Area Code and Number)*: 202-685-3241

B. Owner Type: F

C. Change of Owner Indicator: Yes [ ] No [X]

Date Changed: Month / Day / Year

IX. SIC Codes *(4-digit, in order of significance)*

Primary	Secondary
9711 (Description) National Security, Marine Corps	(Description) N/A
Secondary	**Secondary**
(Description) N/A	(Description) N/A

X. Other Environmental Permits *(See Instructions)*

A. Permit Type *(Enter code)*	B. Permit Number	C. Description
N	VA0028371	Sewage outfall
N	VA0028363	Sewage outfall
N	VA0002151	Industrial/storm water outfall
E	70267	Marine Corps Base air permit
E	VA6153675	Mainside water treatment plant
E	VA6153060	Camp Barrett water treatment plant
E	VA6153063	Camp Upshur water treatment plant

EPA I.D. Number *(Enter from page 1)*

V	A	1	1	7	0	0	2	4	7	2	2

Secondary ID Number *(Enter from page 1)*

XI. Nature of Business *(Provide a brief description)*

To develop and provide training to major elements of the U.S. Marine Corps. To provide training to officers and senior enlisted personnel. To provide helicopter support for the U.S. Government Executive Branch. To develop equipment, doctrine, tactics, and techniques for weapons and weapon systems to be used by landing forces in amphibious operations. To maintain and operate facilities and provide administrative/logistical support for the installation.

XII. Process Codes and Design Capacities

A. **PROCESS CODE** - *Enter the code from the list of process codes below that best describes each process to be used at the facility. Thirteen lines are provided for entering codes. If more lines are needed, attach a separate sheet of paper with the additional information. For "other" processes (i.e., D99, S99, T04 and X99), describe the process (including its design capacity) in the space provided in item XIII.*

B. **PROCESS DESIGN CAPACITY** - *For each code entered in column A, enter the capacity of the process.*
1. **AMOUNT** - *Enter the amount. In a case where design capacity is not applicable (such as in a closure/post-closure or enforcement action) enter the total amount of waste for that process.*
2. **UNIT OF MEASURE** - *For each amount entered in column B(1), enter the code from the list of unit measure codes below that describes the unit of measure used. Only the units of measure that are listed below should be used.*

C. **PROCESS TOTAL NUMBER OF UNITS** - *Enter the total number of units used with the corresponding process code.*

PROCESS CODE	PROCESS	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
	Disposal:	
D79	Underground Injection	Gallons; Liters; Gallons Per Day; or Liters Per Day
D80	Landfill	Acre-feet or Hectare-meter
D81	Land Treatment	Acres or Hectares
D82	Ocean Disposal	Gallons Per Day or Liters Per Day
D83	Surface Impoundment	Gallons or Liters
D99	Other Storage	Any Unit of Measure Listed Below
	Storage:	
S01	Container (Barrel, Drum, Etc.)	Gallons or Liters
S02	Tank	Gallons or Liters
S03	Waste Pile	Cubic Yards or Cubic Meters
S04	Surface Impoundment	Gallons or Liters
S05	Drip Pad	Gallons or Liters
S06	Containment Building	Cubic Yards or Cubic Meters
S99	Other Disposal	Any Unit of Measure Listed Below
	Treatment:	
T01	Tank	Gallons Per Day or Liters Per Day
T02	Surface Impoundment	Gallons Per Day or Liters Per Day
T03	Incinerator	Short Tons Per Hour; Metric Tons Per Hour; Gallons Per Hour; Liters Per Hour; or Btu's Per Hour
T04	Other Treatment	Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day; Metric Tons Per Hour; Short Tons Per Day; or Btu's Per Hour
T80	Boiler	Gallons or Liters
T81	Cement Kiln	Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day; Metric Tons Per Hour; Short Tons Per Day; or Btu's Per Hour
T82	Lime Kiln	
T83	Aggregate Kiln	
T84	Phosphate Kiln	
T85	Coke Oven	
T86	Blast Furnace	
T87	Smelting, Melting, Or Refining Furnace	Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day; Metric Tons Per Hour; Short Tons Per Day; or Btu's Per Hour
T88	Titanium Dioxide Chloride Process Oxidation Reactor	
T89	Methane Reforming Furnace	
T90	Pulping Liquor Recovery Furnace	
T91	Combustion Device Used In The Recovery Of Sulfur Values From Spent Sulfuric Acid	
T92	Halogen Acid Furnaces	
T93	Other Industrial Furnaces Listed in 40 CFR §260.10	
T94	Containment Building	Cubic Yards or Cubic Meters
	Miscellaneous (Subpart X):	
X01	Open Burning/Open Detonation	Any Unit of Measure Listed Below
X02	Mechanical Processing	Short Tons Per Hour; Metric Tons Per Hour; Short Tons Per Day; Metric Tons Per Day; Pounds Per Hour; or Kilograms Per Hour
X03	Thermal Unit	Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day; Metric Tons Per Hour; Short Tons Per Day; or Btu's Per Hour
X04	Geologic Repository	Cubic Yards or Cubic Meters
X99	Other Subpart X	Any Unit of Measure Listed Below

UNIT OF MEASURE	UNIT OF MEASURE CODE
Gallons	G
Gallons Per Hour	E
Gallons Per Day	U
Liters	L
Liters Per Hour	H
Liters Per Day	V

UNIT OF MEASURE	UNIT OF MEASURE CODE
Short Tons Per Hour	D
Metric Tons Per Hour	W
Short Tons Per Day	N
Metric Tons Per Day	S
Pounds Per Hour	J
Kilograms Per Hour	R

UNIT OF MEASURE	UNIT OF MEASURE CODE
Cubic Yards	Y
Cubic Meters	C
Acres	B
Acre-feet	A
Hectares	Q
Hectare-meter	F
Btu's Per Hour	I

EPA I.D. Number *(Enter from page 1)*: V A 1 1 7 0 0 2 4 7 2 2

Secondary ID Number *(Enter from page 1)*:

XII. Process Codes and Design Capabilities *(Continued)*

EXAMPLE FOR COMPLETING ITEM XII (shown in line number X-1 below): A facility has a storage tank, which can hold 533.788 gallons.

Line Number	A. Process Code (From list above)	B. PROCESS DESIGN CAPACITY 1. Amount (Specify)	B. PROCESS DESIGN CAPACITY 2. Unit Of Measure (Enter code)	C. Process Total Number Of Units	For Official Use Only
X 1	S 0 2	5 3 3 . 7 8 8	G	0 0 1	
1	S 0 1	1 9 . 1 4 7	G	0 0 1	
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					

NOTE: If you need to list more than 13 process codes, attach an additional sheet(s) with the information in the same format as above. Number the lines sequentially, taking into account any lines that will be used for "other" processes (i.e., D99, S99, T04 and X99) in item XIII.

XIII. Other Processes *(Follow instructions from item XII for D99, S99, T04 and X99 process codes)*

Line Number (Enter as in seq w/XII)	A. Process Code (From list above)	B. PROCESS DESIGN CAPACITY 1. Amount (Specify)	B. PROCESS DESIGN CAPACITY 2. Unit Of Measure (Enter code)	C. Process Total Number Of Units	D. Description Of Process
X 1	T 0 4				In-situ Vitrification
1					
2					
3					
4					

EPA I.D. Number *(Enter from page 1)*: V A 1 1 7 0 0 2 4 7 2 2

Secondary ID Number *(Enter from page 1)*:

XIV. Description of Hazardous Wastes

A. EPA HAZARDOUS WASTE NUMBER - *Enter the four-digit number from 40 CFR, Part 261 Subpart D of each listed hazardous waste you will handle. For hazardous wastes which are not listed in 40 CFR, Part 261 Subpart D, enter the four-digit number(s) from 40 CFR, Part 261 Subpart C that describes the characteristics and/or the toxic contaminants of those hazardous wastes.*

B. ESTIMATED ANNUAL QUANTITY - *For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.*

C. UNIT OF MEASURE - *For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:*

ENGLISH UNIT OF MEASURE	CODE	METRIC UNIT OF MEASURE	CODE
POUNDS	P	KILOGRAMS	K
TONS	T	METRIC TONS	M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

D. PROCESSES

1. PROCESS CODES:

For listed hazardous waste: For each listed hazardous waste entered in column A select the code(s) from the list of process codes contained in item XII A. on page 3 to indicate how the waste will be stored, treated, and/or disposed of at the facility.

For non-listed hazardous waste: For each characteristic or toxic contaminant entered in column A, select the code(s) from the list of process codes contained in item XII A. on page 3 to indicate all the processes that will be used to store, treat, and/ or dispose of all the non-listed hazardous wastes that possess that characteristic or toxic contaminant.

NOTE: THREE SPACES ARE PROVIDED FOR ENTERING PROCESS CODES. IF MORE ARE NEEDED:

1. *Enter the first two as described above.*
2. *Enter "000" in the extreme right box of item XIV-D(1).*
3. *Enter in the space provided on page 7, item XIV-E, the line number and the additional code(s).*

2. PROCESS DESCRIPTION: *If a code is not listed for a process that will be used, describe the process in the space provided on the form (D.(2)).*

NOTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER - Hazardous wastes that can be described by more than one EPA Hazardous Waste Number shall be described on the form as follows:

1. *Select one of the EPA Hazardous Waste Numbers and enter it in column A. On the same line complete columns B, C and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.*
2. *In column A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In column D(2) on that line enter "included with above" and make no other entries on that line.*
3. *Repeat step 2 for each EPA Hazardous Waste Number that can be used to describe the hazardous waste.*

EXAMPLE FOR COMPLETING ITEM XIV (shown in line numbers X-1, X-2, X-3, and X-4 below) - A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

Line Number	A. EPA HAZARD WASTE NO. (Enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (Enter code)	D. PROCESS (1) PROCESS CODES (Enter)	D. PROCESS (2) PROCESS DESCRIPTION (If a code is not entered in D(1))
X 1	K 0 5 4	900	P	T 0 3 D 8 0	
X 2	D 0 0 2	400	P	T 0 3 D 8 0	
X 3	D 0 0 1	100	P	T 0 3 D 8 0	
X 4	D 0 0 2				Included With Above

EPA I.D. Number *(Enter from page 1)*: VA1170024722

Secondary ID Number *(Enter from page 1)*:

XIV. Description of Hazardous Wastes *(Continued)*

Line Number	A. EPA Hazardous Waste No. (Enter code)	B. Estimated Annual Quantity of Waste	C. Unit of Measure (Enter code)	D. PROCESSES (1) PROCESS CODES (Enter code)	D. PROCESSES (2) PROCESS DESCRIPTION (If a code is not entered in D(1))
1	D001	2,497	T	S01	
2	D002				Included with above
3	D003				Included with above
4	D004				Included with above
5	D005				Included with above
6	D006				Included with above
7	D007				Included with above
8	D008				Included with above
9	D009				Included with above
10	D010				Included with above
11	D011				Included with above
12	D012				Included with above
13	D013				Included with above
14	D014				Included with above
15	D015				Included with above
16	D016				Included with above
17	D017				Included with above
18	D018				Included with above
19	D019				Included with above
20	D020				Included with above
21	D021				Included with above
22	D022				Included with above
23	D023				Included with above
24	D024				Included with above
25	D025				Included with above
26	D026				Included with above
27	D027				Included with above
28	D028				Included with above
29	D029				Included with above
30	D030				Included with above
31	D031				Included with above
32	D032				Included with above
33	See continuation page				

EPA ID No. VA1170024722

Item XIV. Description of Hazardous Wastes (continued)

Line Number	EPA Haz. Waste Code	Est. Annual Quantity	Unit of Measure	Process Code	Process Description
34	D033				Included with above
35	D034				Included with above
36	D035				Included with above
37	D036				Included with above
38	D037				Included with above
39	D038				Included with above
40	D039				Included with above
41	D040				Included with above
42	D041				Included with above
43	D042				Included with above
44	D043				Included with above
45	F001				Included with above
46	F002				Included with above
47	F003				Included with above
48	F004				Included with above
49	F005				Included with above
50	F027				Included with above
51	F039				Included with above
52	P001 through P205	20 each	P	S01	---
53	U001 through U187	20 each	P	S01	---
54	U188	100	P	S01	---
55	U189 through U410	20 each	P	S01	---

EPA I.D. Number (Enter from page 1)	Secondary ID Number (Enter from page 1)
V A 1 7 0 0 2 4 7 2 2	

XV. Map

Attach to this application a topographic map, or other equivalent map, of the area extending to at least one mile beyond property boundaries. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers and other surface water bodies in this map area. See instructions for precise requirements.

XVI. Facility Drawing

All existing facilities must include a scale drawing of the facility (See instructions for more detail).

XVII. Photographs

All existing facilities must include photographs (aerial or ground-level) that clearly delineate all existing structures; existing storage, treatment and disposal areas; and sites of future storage, treatment or disposal areas (see instructions for more detail).

XVIII. Certification(s)

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Owner Signature: E. C. Kelley, Jr. — Date Signed: 7/25/97

Name and Official Title (Type or print): E. C. Kelley, Jr., BGen, U.S. Marine Corps, Commanding General, Marine Corps Base

Owner Signature: N/A — Date Signed: N/A

Name and Official Title (Type or print): N/A

Operator Signature: E. C. Kelley, Jr. — Date Signed: 7/25/97

Name and Official Title (Type or print): E. C. Kelley, Jr., BGen, U.S. Marine Corps, Commanding General, Marine Corps Base

Operator Signature: N/A — Date Signed: N/A

Name and Official Title (Type or print): N/A

XIX. Comments

Note: Mail completed form to the appropriate EPA Regional or State Office. (Refer to instructions for more information)

EPA ID No. VA1170024722

Item XV. Map

Figures A-1 and A-2 are two 1:50,000 metric topographic maps from the U.S. Geological Survey (USGS) showing one mile from the boundary of Marine Corps Base (MCB), Quantico. Note that these maps are comparable to the 15 minute series USGS maps (which are no longer available) and that no equivalent map was available for the western portion of MCB, Quantico.

For additional detail of the features in the vicinity of the Hazardous Waste Storage Facility (HWSF), refer to the following maps provided in the Part B permit application:

- Complete boundary of MCB, Quantico (Section B, Figure B-2)
- USGS topographic map showing 1 mile around the HWSF (Section B, Figure B-3)
- Land use (Section B, Figures B-5 and B-6)
- Outfalls, power lines, monitoring wells, and other features (Section B, Figure B-8)
- Hazardous waste generator locations (Section B, Figures B-9 and B-10)

Solid waste management units are addressed in Section J.

Item XVI. Facility Drawing

Refer to Figure D-1 in Section D for a drawing illustrating the HWSF and its features.

Item XVII. Photographs

Photographs of the HWSF are provided as Figures A-3 through A-7.

Figure A-1. USGS Topographic Map -- Northern Portion of MCB, Quantico
(in sheet protector following)

RCRA-2

07 August 97

LESS THAN 90 DAY HW GENERATOR SITES

#	GENERATOR	BLDG#	CONTACT	EXT
1.	Communication Officers School..	3185	SGT Munoz CPL Hernandez	5834 2310
2.	Facilities Maintenance.....	3252	SSGT Loiseau SGT Shoemaker	2227 2372
3.	Facilities Support Branch.....	2013	GYSGT Columbe SGT Rosario	4440
4.	FBI Lab.....	27942	Mr. Long	9/640-1195
5.	HMX-1 Green & White Sides.....	2101	GY Basmajian	2097
6.	Museum Restoration.....	2112	Mr. Garringer CPL Neives	3111
7.	MWR Auto Hobby Shop.....	4	Jeff Weaver	2729 "
8.	Naval Medical Clinic.....	2200	Mrs. Endler	3151
9.	Records Branch.....	2008	GY Edwards	5667 3902
10.	Weapons Training Battalion ..	27241	GY Sheagly SGT Slack	5375

updated 8/07/97

4 August 97

SATELLITE HW GENERATOR SITES

#	Generator	Where	Contact	Ext
1.	Officers Candidate School..	2118	GYSGT Meehan	2575
2.	The Basic School.....	24006	CAPT Folsom SSGT Alexander	4523
3.	Records Branch/Basement....	2008	SGT McIntosh CPL Norwood	3537 3254
4.	Security Battalion.....	2043	SSGT Starner	4883
5.	Marine Corp Security Guard.	2007	GYSGT Hatke	3164
6.	FBI Gun Vault.....	27939	Jimmy Blakely Norman Gallamore	640-1585
7.	Quantico High School.....	3308	Mark Butler	2066
8.	Waste Water Treatment.....660		Mr. Sinclair	2147
9.	FBI (HRT).....	26911	Mr. Warren	640-1736
10.	H & S Battalion.....2006		Capt Gilmore SSGT Jones LCPL Stenquist	4447 4257 2227 4046

RCRA-3

4 August 97

SATELLITE HW GENERATOR SITES

#	Generator	Where	Contact	Ext
1.	Officers Candidate School..	2118	GYSGT Meehan	2575
2.	The Basic School.....	24006	CAPT Folsom SSGT Alexander	4523
3.	Records Branch/Basement....	2008	SGT McIntosh CPL Norwood	3537 3254
4.	Security Battalion.....	2043	SSGT Starner	4883
5.	Marine Corp Security Guard.	2007	GYSGT Hatke	3164
6.	FBI Gun Vault.....	27939	Jimmy Blakely Norman Gallamore	640-1585
7.	Quantico High School.....	3308	Mark Butler	2066
8.	Waste Water Treatment.....660		Mr. Sinclair	2147
9.	FBI (HRT).....	26911	Mr. Warren	640-1736
10.	H & S Battalion.....2006		Capt Gilmore SSGT Jones LCPL Stenquist	4447 4257 2227 4046

RCRA-4

UNITED STATES MARINE
MARINE CORPS BASE
MARINE CORPS COMBAT DEVELOPMENT COMMAND
QUANTICO, VIRGINIA 22134-5000

IN REPLY REFER TO

6280/2
B 046
28 FEB 1996

Ms. Claire R. Slaughter
Department of Environmental Quality
Office of Technical Assistance/Waste
P.O. Box 10009
Richmond, VA 23240-0009

Dear Ms. Slaughter,

The United States Environmental Protection Agency's 1995 Hazardous Waste Report for Marine Corps Base, Quantico, Virginia is provided at the enclosure.

Should you have any questions regarding this report, please contact Mr. Ralph Phipps at (703) 784-4030.

Sincerely,

MARK A. COSTA
Colonel, U.S. Marine Corps
Director, Facilities Division
By direction of
the Commanding General

Encl:
(1) 1995 Hazardous Waste Report

Copy to:
Commandant of the Marine Corps (LFL), Headquarters United States Marine Corps, Washington D.C. 20380-0001
Naval Facilities Engineering Service Center, Port Hueneme, CA 93043
Ms. Sheila Briggs (3HW62), U.S. EPA, Region III, RECRA Enforcement UST Branch, 841 Chestnut Bldg, Philadelphia, PA 19107

BEFORE COPYING FORM ATTACH SITE IDENTIFICATION LABEL OR ENTER

SITE NAME: Marine Corps Combat Development Command Quantico, Virginia 22134-5053

EPA ID NO: V A 1 1 7 0 0 2 4 7 2 2

U.S. ENVIRONMENTAL PROTECTION AGENCY

1995 Hazardous Waste Report

FORM IC

IDENTIFICATION AND CERTIFICATION

INSTRUCTIONS: Read the detailed instructions beginning on page 9 of the 1995 Hazardous Waste Report booklet before completing this form.

Sec. I Site name and location address. Complete A through H. Check the box ☐ in items A, C, E, F, G, and H if same as label; if different, enter corrections. If label is absent, enter information. Instruction page 10

A. EPA ID No
Same as label ☒ or → | | | | | | | | | | | | |

B. County
Prince William, Stafford, Fauquier

C. Site/company name
Same as label ☒ or →

D. Has the site name associated with this EPA ID changed since 1993? ☐ 1 Yes ☒ 2 No

E. Street name and number. If not applicable, enter industrial park, building name, or other physical location description.
Same as label ☒ or →

F. City, town, village, etc
Same as label ☒ or →

G. State
Same as label ☒
| |

H. Zip Code
Same as label ☒
| | | | | - | | | | |

Sec. II Mailing address of site. Instruction page 10

A. Is the mailing address the same as the location address? ☐ 1 Yes (SKIP TO SEC. III) ☒ 2 No (GO TO BOX B)

B. Number and street name of mailing address
Natural Resources and Environmental Affairs Branch
Marine Corps Base, 3040 McCawley Avenue, Suite 2

C. City, town, village, etc.
Quantico

D. State
V A

E. Zip Code
2 2 1 3 4 - 5 0 5 3

Sec. III Name, title, and telephone number of the person who should be contacted if questions arise regarding this report. Instruction page 10.

A. Please print — Last Name: Phipps; First name: Ralph; M.I.: S

B. Title
Supervisor, Env. Prot. Spec

C. Telephone
7 0 3 - 7 8 4 - 4 0 3 0
Extension | | | |

Sec. IV "I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties under Section 3008 of the Resource Conservation and Recovery Act for submitting false information, including the possibility of fine and imprisonment for knowing violations."

A. Please print — Last Name: Costa; First name: Mark; M.I.: A

B. Title
Director, Facilities Division

C. Signature

D. Date of signature
0 2 2 8 9 6
MO DAY YR

EPA ID NO VA1170024722

Sec V Generator Status Instruction pages 10, 12

1995 RCRA generator status (CHECK ONE BOX BELOW)	B Reason for not generating (CHECK ALL THAT APPLY)	
1 LQG	☐ 1 Never generated	☐ 5 Periodic or occasional generator
2 SQG SKIP to SEC VI	☐ 2 Out of business	☐ 6 Waste minimization activity
3 CESQG	☐ 3 Only excluded or delisted waste	☐ 7 Other (SPECIFY COMMENTS IN BOX BELOW)
● Non generator (Continue to Box B)	☐ 4 Only non-hazardous waste	

Sec VI - On-Site Waste Management Status. Instruction pages 13, 14.

A Storage subject to RCRA permitting requirements	B Treatment, disposal, or recycling subject to RCRA permitting requirements	C. RCRA-exempt treatment, disposal, or recycling
3 - Containers	1	1

Sec.VII - Waste Minimization Activity during 1994 or 1995. Instruction pages 14, 15.

A. Did this site begin or expand a source reduction activity during 1994 or 1995?	B. Did this site begin or expand a recycling activity during 1994 or 1995?	C. Did this site systematically investigate opportunities for source reduction or recycling during 1994 or 1995?
1 Yes	☒ 1 Yes	☒ 1 Yes
2 No	☐ 2 No	☐ 2 No

Did any of the factors listed below delay or limit this site's ability to initiate new or additional source reduction activities in 1994 or 1995? (CHECK YES OR NO FOR EACH ITEM)

Yes	No		
	☒ 2	a.	Insufficient capital to install new source reduction equipment or implement new source reduction practices
1	☒ 2	b.	Lack of technical information on source reduction techniques applicable to the specific production processes
1	☒ 2	c.	Source reduction is not economically feasible: cost savings in waste management or production will not recover the capital investment
1	☒ 2	d.	Concern that product quality may decline as a result of source reduction
1	☒ 2	e.	Technical limitations of the production processes
1	☒ 2	f.	Permitting burdens
1	☒ 2	g.	Source reduction previously implemented - additional reduction does not appear to be technically feasible
	☒ 2	h.	Source reduction previously implemented - additional reduction does not appear to be economically feasible
1	☒ 2	i.	Source reduction previously implemented - additional reduction does not appear to be feasible due to permitting requirements
1	☒ 2	j.	Other (SPECIFY COMMENTS IN BOX BELOW)

Did any of the factors listed below delay or limit the site's ability to initiate new or additional on-site or off-site recycling activities during 1994 or 1995? (CHECK YES OR NO FOR EACH ITEM)

Yes	No			Yes	No		
	☒ 2	a.	Insufficient capital to install new recycling equipment or implement new recycling practice	☐ 1	☒ 2	g.	Technical limitations of production processes inhibit shipments off-site for recycling
1	☒ 2	b.	Lack of technical information on recycling techniques applicable to this site's specific production process	☐ 1	☒ 2	h.	Technical limitations of production processes inhibit on-site recycling
1	☒ 2	c.	Recycling is not economically feasible: cost savings in waste management will not recover the capital investment	☐ 1	☒ 2	i.	Permitting burdens inhibit recycling
	☒ 2	d.	Concern that product quality may decline as a result of recycling	☒ 1	☒ 2	j.	Lack of permitted off site recycling facilities
1	☒ 2	e.	Requirements to manifest wastes inhibit shipments of off site for recycling	☐ 1	☒ 2	k.	Unable to identify a market for recycled materials
1	☒ 2	f.	Financial liability provisions inhibit shipments off site for recycling	☐ 1	☒ 2	l.	Recycling previously implemented - additional recycling does not appear to be technically feasible
				☐ 1	☒ 2	m.	Recycling previously implemented - additional recycling does not appear to be economically feasible
				☐ 1	☒ 2	n.	Recycling previously implemented - additional recycling does not appear to be feasible due to permitting requirements
				☐ 1	☒ 2	o.	Other (SPECIFY COMMENTS IN BOX BELOW)

Comments.

Marine Corps Combat Development Command
Quantico, Virginia 22314-5053

VA1 170 024 722

Waste Minimization Activities - 1995

1. Recycling of pumpable Lead-free paint and paint thinner is working effectively.

2. Replaced parts washing solvents with a less hazardous (i.e. higher flash point) solvent, where practicable.

3. Implemented the use of evaporation to reduce silver containing chemical waste (i.e. photographic fixer and developer).

4. Increased Command emphasis and individual awareness which resulted in reduced number of spills and subsequently a reduced quantity of hazardous spill residue requiring disposal.

5. Freon was replaced with PD680 which is non-hazardous in the maintenance and operation of helicopters.

6. Power-clean rags from printing operation are being recycled.

SITE NAME: Marine Corps Combat Development Command
Quantico, Virginia 22134-5053

EPA ID NO: V A 1 1 7 0 0 2 4 7 2 2

FORM 01

U S ENVIRONMENTAL PROTECTION AGENCY

1995 Hazardous Waste Report

OFF-SITE IDENTIFICATION

INSTRUCTIONS Read the detailed instructions on the reverse side before completing this form

Site 1
A EPA ID No of off site installation or transporter: M D D 0 0 0 7 3 7 3 9 5
B Name of off site installation or transporter: Safety Kleen Corp.
C Handler type (CHECK ALL THAT APPLY): ☐ Generator ☐ Transporter ☒ TSDR
D Address of off site installation: Street 12164 Tech Road; City Silver Spring; State M D Zip 2 0 9 0 4

Site 2
A EPA ID No of off-site installation or transporter: N C D 0 7 7 8 4 0 1 4 8
B. Name of off-site installation or transporter: Safety Kleen Corp
C. Handler type (CHECK ALL THAT APPLY): ☐ Generator ☐ Transporter ☒ TSDR
D Address of off-site installation: Street 6812 Old Mendenhall Road; City Arehdale; State N C Zip 2 7 2 6 3

Site 3
A. EPA ID No. of off-site installation or transporter: N J D 0 0 2 1 8 2 8 9 7
B. Name of off-site installation or transporter: Safety Kleen Corp.
C. Handler type (CHECK ALL THAT APPLY): ☐ Generator ☐ Transporter ☒ TSDR
D. Address of off-site installation: Street 1200 Sylvan Street; City Linden; State N J Zip 0 7 0 3 6

Site 4
A EPA ID No of off-site installation or transporter: N C D 0 0 0 6 4 8 4 5 1
B Name of off site installation or transporter: Laidlaw Environmental Services Inc.
C Handler type (CHECK ALL THAT APPLY): ☐ Generator ☐ Transporter ☒ TSDR
D Address of off site installation: Street Route 11 Box 3, Waltington Ind. Rd.; City Reidsville; State N C Zip 2 7 3 2 0

Site 5
A EPA ID No of off site installation or transporter: N C D 9 8 0 8 4 2 1 3 2
B Name of off site installation or transporter: ECOFLOW Inc.
C Handler type (CHECK ALL THAT APPLY): ☐ Generator ☐ Transporter ☒ TSDR
D Address of off site installation: Street 2750 Patterson Avenue; City Greensboro; State N C Zip 2 7 4 0 7

COMMENTS

Marine Corps Combat Development Command
Quantico, Virginia 22134-5055

EPA ID No. VA1 170 024 722

U.S. ENVIRONMENTAL PROTECTION AGENCY

1395 Hazardous Waste Report

FORM 01

OFF-SITE IDENTIFICATION

INSTRUCTIONS Read the detailed instructions on the reverse side before completing this form

Site 1

A. EPA ID No. of off-site installation or transporter: MID 096 963 194

B. Name of off-site installation or transporter: Chem. Met Services Inc.

C. Handler type (CHECK ALL THAT APPLY)
- ☐ Generator
- ☐ Transporter
- ☒ TSDR

D. Address of off-site installation
Street: 18550 Allen Road
City: Wyandette
State: MI Zip: 48192

Site 2

A. EPA ID No. of off-site installation or transporter: SCD 070 375 985

B. Name of off-site installation or transporter: Laidlaw Env. Services of S.C. Inc.

C. Handler type (CHECK ALL THAT APPLY)
- ☐ Generator
- ☐ Transporter
- ☒ TSDR

D. Address of off-site installation
Street: Route 1, Box 255
City: Pinewood
State: SC Zip: 29126

Site 3

A. EPA ID No. of off-site installation or transporter: KYD 053 348 108

B. Name of off-site installation or transporter: Safety Kleen Corp.

C. Handler type (CHECK ALL THAT APPLY)
- ☐ Generator
- ☐ Transporter
- ☒ TSDR

D. Address of off-site installation
Street: 3700 Lagrange Road
City: Smithfield
State: KY Zip: 40068

Site 4

A. EPA ID No. of off-site installation or transporter: NJD 002 385 730

B. Name of off-site installation or transporter: E I Dupont De Nemours & Co.Inc.

C. Handler type (CHECK ALL THAT APPLY)
- ☐ Generator
- ☐ Transporter
- ☒ TSDR

D. Address of off-site installation
Street: Chamber Works, Route 130.
City: Deepwater
State: NJ Zip: 08023

Site 5

A. EPA ID No. of off-site installation or transporter

B. Name of off-site installation or transporter

C. Handler type (CHECK ALL THAT APPLY)
- ☐ Generator
- ☐ Transporter
- ☐ TSDR

D. Address of off-site installation
Street:
City:
State: Zip:

Marine Corps Combat Development Command
Quantico, Virginia 22134-5053

EPA ID No. VA1 170 024 722

U.S. ENVIRONMENTAL PROTECTION AGENCY

1995 Hazardous Waste Report

FORM 01

OFF-SITE IDENTIFICATION

INSTRUCTIONS Read the detailed instructions on the reverse side before completing this form.

Site 1

A. EPA ID No. of off-site installation or transporter: SCD 987 574 647

B. Name of off-site installation or transporter: Laidlaw Env. Services Inc.

C. Handler type (CHECK ALL THAT APPLY):
- ☐ Generator
- ☒ Transporter
- ☐ TSDR

D. Address of off-site installation
Street:
City:
State: Zip:

Site 2

A. EPA ID No. of off-site installation or transporter: NJD 986 607 380

B. Name of off-site installation or transporter: Maumme Express Inc.

C. Handler type (CHECK ALL THAT APPLY):
- ☐ Generator
- ☒ Transporter
- ☐ TSDR

D. Address of off-site installation
Street:
City:
State: Zip:

Site 3

A. EPA ID No. of off-site installation or transporter: OKD 981 605 363

B. Name of off-site installation or transporter: Environmental Transportation Services

C. Handler type (CHECK ALL THAT APPLY):
- ☐ Generator
- ☒ Transporter
- ☐ TSDR

D. Address of off-site installation
Street:
City:
State: Zip:

Site 4

A. EPA ID No. of off-site installation or transporter: ILD 984 908 202

B. Name of off-site installation or transporter: Safety Kleen Corp.

C. Handler type (CHECK ALL THAT APPLY):
- ☐ Generator
- ☒ Transporter
- ☐ TSDR

D. Address of off-site installation
Street:
City:
State: Zip:

Site 5

A. EPA ID No. of off-site installation or transporter: NJD 071 629 976

B. Name of off-site installation or transporter: S - J Transportation

C. Handler type (CHECK ALL THAT APPLY):
- ☐ Generator
- ☒ Transporter
- ☐ TSDR

D. Address of off-site installation
Street:
City:
State: Zip:

Marine Corps Combat Development Command
Quantico, Virginia 22134-5053
EPA ID No. VA1 1Y0 024 722

U S ENVIRONMENTAL PROTECTION AGENCY
1995 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS Read the detailed instructions beginning on page 15 of the 1995 Hazardous Waste Report booklet before completing this form.

Sec I A. Waste description Instruction page 18

Ignitable waste parts washing solvents from Maintenance Operations: Petroleum Naptha

B. EPA hazardous waste code Page 19: D001 NA / NA NA NA

C. State hazardous waste code Page 19: N/A

D. SIC code Page 19	E. Origin code 1 Page 19 / System Type	F. Source code Page 20	G. Point of measurement Page 20	H. Form code Page 20	I. RCRA - radioactive mixed Page 20
9711		A05	1	211	2

Sec. II

A. Quantity generated in 1994 Instruction Page 21.	B. Quantity generated in 1995 Page 21.	C. UOM Page 21.	Density	D. Does this site do any of the following to this waste (treat on site, dispose on site, recycle on site, or discharge to a sewer-POTW? Page 21.
68032.0	93272.0	1	= 1 lb/gal = 2 sg	☐ 1 Yes (CONTINUE TO SYSTEM 1) ☒ 2 No (SKIP TO SEC. III)

ON SITE PROCESS SYSTEM 1		ON SITE PROCESS SYSTEM 2	
On-site process system type Page 22	Quantity treated, disposed, or recycled on site in 1995	On-site process system type Page 22.	Quantity treated, disposed, or recycled on site in 1995

Sec.III A. Was any of this waste shipped off site in 1995 Instruction page 22 ☒ 1 Yes (CONTINUE TO BOX B) ☐ 2 No (SKIP TO SEC IV)

	B. EPA ID No. of facility waste was shipped to Page 23.	C. System type shipped to Page 23	D. Off site waste ability code Page 23	E. Total quantity shipped in 1995 Page 23
Site 1	MDD 000 737 395	021	1	93272.0
Site 2				

Sec IV A. Did new activities in 1995 result in minimization of this waste? ☐ Yes (CONTINUE TO BOX B) ☒ 2 No (THIS FORM IS COMPLETE)

Activities Page 24	C. Other effects Page 25	D. Quantity recycled in 1995 due to new activities Page 25	E. Activity description 1995 source reduction quantity Page 25
	☐ 1 Yes ☐ 2 No		

Service frequency for changeout of solvents in parts washer was increased because of customer requirements

Name: Marine Corps Combat Development Command
Quantico, Virginia 22134-5053

EPA ID No: VA 1 7 0 0 2 4 7 2 2

U S ENVIRONMENTAL PROTECTION AGENCY

1995 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 16 of the 1995 Hazardous Waste Report booklet before completing this form.

Sec I — A. Waste description (Instruction page 18)

Parts washing solvent from Maintenance operations: Monoethanolamine

B. EPA hazardous waste code (Page 19)	C. State hazardous waste code (Page 19)
D 0 0 6 N A	N/A
N A N A	

D. SIC code (Page 19)	E. Origin code (Page 19) / System Type	F. Source code (Page 20)	G. Point of measurement (Page 20)	H. Form code (Page 20)	I. RCRA - radioactive mixed (Page 20)
9 7 1 1	1 /	A 0 5	1	B 2 0 3	2

Sec. II

A. Quantity generated in 1994 (Instruction Page 21.)	B. Quantity generated in 1995 (Page 21.)	C. UOM (Page 21.) / Density	D. Does this site do any of the following to this waste: treat or store, dispose on site, recycle on site, or discharge to a sewer POTW? (Page 21.)
1 8 3 2 . 0	2 8 8 4 . 0	1 / .	☒ 1 Yes (CONTINUE TO SYSTEM 1) ☐ 2 No (SKIP TO SEC. III)
		= 1 lbs/gal = 2 sg	

ON SITE PROCESS SYSTEM 1		ON SITE PROCESS SYSTEM 2	
On-site process system type (Page 22)	Quantity treated, disposed, or recycled on site in 1995	On-site process system type (Page 22.)	Quantity treated, disposed, or recycled on site in 1995

Sec.III — A. Was any of this waste shipped off site in 1995 (Instruction page 22.) ☒ 1 Yes (CONTINUE TO BOX B) ☐ 2 No (SKIP TO SEC IV)

	B. EPA ID No. of facility waste was shipped to (Page 23)	C. System type shipped to (Page 23.)	D. Off site availability code (Page 23)	E. Total quantity shipped in 1995 (Page 23.)
Site 1	M D D 0 0 0 7 3 7 3 9 5	0 2 1	1	2 8 8 4 . 0
Site 2				

Sec IV — A. Did new activities in 1995 result in minimization of this waste? (Instruction page 24) ☐ 1 Yes CONTINUE TO BOX B ☒ 2 No THIS FORM IS COMPLETE

B. Activity (Page 24)	C. Other effects (Page 25)	D. Quantity recycled in 1995 due to new activities (Page 25)	E. Activity production ratio (Page 25)	F. 1995 source reduction quantity (Page 25)
	☐ 1 Yes ☐ 2 No			

Service frequency for changeout of solvents in parts washer was increased because of customer requirements

Marine Corps Combat Development Command
Quantico, Virginia 22134-5053

VA 1 1 7 0 0 2 4 7 2 2

U S ENVIRONMENTAL PROTECTION AGENCY

1995 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS Read the detailed instructions beginning on page 16 of the 1995 Hazardous Waste Report booklet before completing this form.

Sec I — A Waste description Instruction page 18

Ignitable waste paint and thinner from painting operations

B EPA hazardous waste code Page 19	C State hazardous waste code Page 19
D 0 0 1 N A	N/A
N A N A N A	

D SIC code Page 19	E Origin code / System Type Page 19	F Source code Page 20	G Point of measurement Page 20	H Form code Page 20	I RCRA - radioactive mixed Page 20
9711		21	1	209	2

Sec. II

A Quantity generated in 1994 Instruction Page 21.	B. Quantity generated in 1995 Page 21.	C. UOM Page 21 / Density	D Is this site do any of the following to this waste treat or site dispose on site, recycle on site, or discharge to a sewer POTW? Page 21.
11579.0	5665.0	1 / .	☐ 1 Yes (CONTINUE TO SYSTEM 1) ■ 2 No (SKIP TO SEC. III)
		☐ 1 lbs/gal ☐ 2 sg	

ON SITE PROCESS SYSTEM 1		ON SITE PROCESS SYSTEM 2	
On site process system type Page 22.	Quantity treated, disposed, or recycled on site in 1995	On-site process system type Page 22.	Quantity treated, disposed, or recycled on site in 1995

Sec.III — A. Was any of this waste shipped off-site in 1995 Instruction page 22 ☒ 1 Yes (CONTINUE TO BOX B) ☐ 2 No (SKIP TO SEC IV)

	B EPA ID No. of facility waste was shipped to Page 23	C System type shipped to Page 23.	D. Off site availability code Page 23	E Total quantity shipped in 1995 Page 23.
Site 1	NJD 002182897	061	1	5665.0
Site 2				

Sec IV — A Did new activities in 1995 result in minimization of this waste? ☐ Yes CONTINUE TO BOX B Instruction page 24 ■ 2 No THIS FORM IS COMPLETE

B Activity Page 24	C Other effects Page 25	D Quantity recycled in 1995 due to new activities Page 25	E Activity production ratio Page 25	F 1995 source reduction quantity Page 25
	☐ 1 Yes ☐ 2 No			

Marine Corps Combat Development Command
Quantico, Virginia 22134-5053

VA1 170 024 722

U S ENVIRONMENTAL PROTECTION AGENCY

1995 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS Read the detailed instructions beginning on page 16 of the 1995 Hazardous Waste Report booklet before completing this form

Sec I — A Waste description Instruction page 18

Ignitable waste paint and related products from painting operations

B EPA hazardous waste code Page 19	C State hazardous waste code Page 19
F003 F005 D001 NA NA	N/A

D SIC code Page 19	E Origin code / System Type Page 19	F Source code Page 20	G Point of measurement Page 20.	H Form code Page 20	I. RCRA - radioactive mixed Page 20.
9711	1 /	A21	1	B209	2

Sec. II

A. Quantity generated in 1994 Instruction Page 21.	B. Quantity generated in 1995 Page 21.	C. UOM Page 21. / Density	D Did this site do any of the following to this waste treat on site, dispose on site, recycle on site, or discharge to a sewer POTW? Page 21.
1807.0	2644.0	1 / ☐ 1 lbs/gal ☐ 2 sg	☐ 1 Yes (CONTINUE TO SYSTEM 1) ■ 2 No (SKIP TO SEC. III)

ON SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type Page 22	Quantity treated, disposed, or recycled on site in 1995	On-site process system type Page 22.	Quantity treated, disposed, or recycled on site in 1995

Sec.III — A Was any of this waste shipped off-site in 1995 Instruction page 22. ☒ 1 Yes (CONTINUE TO BOX B) ☐ 2 No (SKIP TO SEC IV)

	B EPA ID No of facility waste was shipped to Page 23	C System type shipped to Page 23.	D. Off-site availability code Page 23	E. Total quantity shipped in 1995 Page 23.
Site 1	NCD 077 840 148	061	1	2644.0
Site 2				

Sec IV — A Did new activities in 1995 result in minimization of this waste? ☐ Yes (CONTINUE TO BOX B) ■ 2 No THIS FORM IS COMPLETE Instruction page 24

B Activity Page 24	C Other effects Page 25	D Quantity recycled in 1995 due to new activities Page 25	E Activity production ratio Page 25	F 1995 source reduction quantity Page 25
	☐ 1 Yes ☐ 2 No			

Addition of paint gun cleaning services caused the increase in Qty of waste generated

Marine Corps Combat Development Command
Quantico, Virginia 22134-5053

EPA I.D. No. VA1 170 024 722

U.S. ENVIRONMENTAL PROTECTION AGENCY

1995 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS Read the detailed instructions beginning on page 15 of the 1995 Hazardous Waste Report booklet before completing this form.

Sec. I — A. Waste description - Instruction page 18

Ignitable oil base paint from painting operations

B. EPA hazardous waste code - Page 18: D001 NA NA NA NA NA

C. State hazardous waste code - Page 8: N/A

D. SIC code - Page 19	E. Origin code - Page 19	F. Source code - Page 20	G. Form code - Page 20	H. Point of measurement - Page 20	I. RCRA - radioactive mixed - Page 20
9711	System Type 1	A21	B209	1	2

Sec. II

A. Quantity generated in 1994 - Instruction Page 21.	B. Quantity generated in 1995 - Page 21	C. UOM - Page 21 / Density	D. Does this site do any of the following to this waste treat or dispose on site, recycle on site or discharge to a sewer POTW? Page 21.
7423.0	9616.0	1 / .	☐ 1 Yes (CONTINUE TO SYSTEM 1) ☒ 2 No (SKIP TO SEC. III)

C = 1 lbs/gal C = 2 sg

ON SITE PROCESS SYSTEM 1		ON SITE PROCESS SYSTEM 2	
On-site process system type - Page 22.	Quantity treated, disposed, or recycled on site in 1995	On-site process system type - Page 22	Quantity treated, disposed, or recycled on site in 1995

Sec. III — A. Was any of this waste shipped off site in 1995 - Instruction page 22: ☒ 1 Yes (CONTINUE TO BOX B) ☐ 2 No (SKIP TO SEC. IV)

	B. EPA ID No. of facility waste was shipped to - Page 23	C. System type shipped to - Page 23	D. Off site availability code - Page 23	E. Total quantity shipped in 1995 - Page 23.
Site 1	NCD000648451	061	1	8830.0
Site 2				

Sec. IV — A. Did new activities in 1995 result in minimization of this waste? - Instruction page 24: ☐ 1 Yes ☒ 2 No - THIS FORM IS COMPLETE

B. Activity - Page 24	C. Other effects - Page 25	D. Quantity recycled - Page 25	E. Activity production ratio - Page 25	F. 1995 source reduction quantity - Page 25
	☐ 1 Yes ☐ 2 No			

Marine Corps Combat Development Command
Quantico, Virginia 22134-5053

EPA I.D. No. VA1 170 024 722

U S ENVIRONMENTAL PROTECTION AGENCY

1995 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS Read the detailed instructions beginning on page 16 of the 1995 Hazardous Waste Report booklet before completing this form

Sec I — A Waste description Instruction page 18

Ignitable lead based enamel from painting operations

B EPA hazardous waste code Page 19	C State hazardous waste code Page 19
D001 D008	
NA NA	N/A

D SIC code Page 19	E Origin code / System Type Page 19	F Source code Page 20	G Point of measurement Page 20	H Form code Page 20	I RCRA radioactive mixed Page 20
9711		A21	1	B209	2

Sec. II

A. Quantity generated in 1994 Instruction Page 21.	B. Quantity generated in 1995 Page 21.	C. UOM Page 21. / Density	D. Is this site so any of the to owing to this waste treat or site dispose on site, recycle on site, or discharge to a sewer-POTW? Page 21.
1412.0	27.0	1 / •	☐ 1 Yes (CONTINUE TO SYSTEM 1) ☒ 2 No (SKIP TO SEC. III)
		☐ 1 lbs/gal ☐ 2 sg	

ON SITE PROCESS SYSTEM 1		ON SITE PROCESS SYSTEM 2	
On-site process system type Page 22.	Quantity treated, disposed, or recycled on site in 1995	On-site process system type Page 22.	Quantity treated, disposed, or recycled on site in 1995
	•		•

Sec.III — A Was any of this waste shipped off site in 1995 Instruction page 22. ☒ 1 Yes (CONTINUE TO BOX B) ☐ 2 No (SKIP TO SEC IV)

	B EPA ID No. of facility waste was shipped to Page 23	C. System type shipped to Page 23.	D. Off site availability code Page 23	E. Total quantity shipped in 1995 Page 23.
Site 1	NCD000648451	061	1	27.0
Site 2				•
Site 3				•

Sec IV — A Did new activities in 1995 result in minimization of this waste? Instruction page 24 ☐ Yes (CONTINUE TO BOX B) ☒ 2 No (THIS FORM IS COMPLETE)

B Activity Page 24	C Other effects Page 25	D Quantity recycled in 1995 due to new activities Page 25	E Activity production index Page 25	1995 source reduction quantity Page 26
	☐ 1 Yes ☐ 2 No	•	•	•

Marine Corps Combat Development Command
Quantico, Virginia 22134-5053

VA 1 1 7 0 0 2 4 7 2 2

U S ENVIRONMENTAL PROTECTION AGENCY

1995 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS Read the detailed instructions beginning on page 16 of the 1995 Hazardous Waste Report booklet before completing this form.

Sec I A Waste description Instruction page 18

Paint chips with lead from painting operations

B EPA hazardous waste code Page 18: D008 NA NA NA NA NA

C State hazardous waste code Page 18: N/A

D SIC code Page 19	E Origin code Page 19 / System Type	F. Source code Page 20.	G Point of measurement Page 20	H Form code Page 20	I RCRA - radioactive mixed Page 20.
9711		A08	1	B319	2

Sec. II

A. Quantity generated in 1994 Instruction Page 21.	B. Quantity generated in 1995 Page 21.	C UOM Page 21. / Density	D Did this site do any of the following to this waste: treat on site, dispose on site, recycle on site or discharge to a sewer/POTW? Page 21.
400.0	2009.0	1 / □ 1 lbs/gal □ 2 sg	□ 1 Yes (CONTINUE TO SYSTEM 1) ■ 2 No (SKIP TO SEC. III)

ON SITE PROCESS SYSTEM 1

On-site process system type Page 22	Quantity treated, disposed, or recycled on site in 1995

ON SITE PROCESS SYSTEM 2

On-site process system type Page 22.	Quantity treated, disposed, or recycled on site in 1995

Sec.III A. Was any of this waste shipped off site in 1995 Instruction page 22 ☒ 1 Yes (CONTINUE TO BOX B) □ 2 No (SKIP TO SEC IV)

	B EPA ID No of facility waste was shipped to Page 23	C System type shipped to Page 23	D. Off site availability code Page 23	E. Total quantity shipped in 1995 Page 23.
Site 1	NCD000648451	061	1	2009.0
Site 2				

Sec IV A Did new activities in 1995 result in minimization of this waste? □ Yes (CONTINUE TO BOX B) ■ 2 No THIS FORM IS COMPLETE

B Activity Page 24	C Other effects Page 25	D Quantity recycled in 1995 due to new activities Page 25	E Activity production ratio Page 25	F 1995 source reduction quantity Page 26
	□ 1 Yes □ 2 No			

Solid paint chips from sand blasting

Marine Corps Combat Development Command
Quantico, Virginia 22134-5053
VA1 1 7 0 0 2 4 7 2 2

U S ENVIRONMENTAL PROTECTION AGENCY

1995 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

Instructions: Read the detailed instructions beginning on page 15 of the 1995 Hazardous Waste Report booklet before completing this form.

Sec I — A. Waste description Instruction page 18

Reactive lithium batteries from military communications training

B. EPA hazardous waste code Page 19: D003 NA / NA NA NA

C. State hazardous waste code Page 19: NA

D. SIC code Page 19	E. Origin code / System Type Page 19	F. Source code Page 20	G. Point of measurement Page 20	H. Form code Page 20	I. RCRA radioactive mixed Page 20
9711	1 /	A55	1	B309	2

Sec. II

A. Quantity generated in 1994 Instruction Page 21.	B. Quantity generated in 1995 Page 21.	C. UOM Page 21.	Density	D. Does this site do any of the following to this waste treat on site dispose on site, recycle on site or discharge to a sewer POTW? Page 21.
802.0	1008.0	1	☐ 1 lbs/gal ☐ 2 sg	☐ 1 Yes (CONTINUE TO SYSTEM 1) ■ 2 No (SKIP TO SEC. III)

ON SITE PROCESS SYSTEM 1

On site process system type Page 22	Quantity treated, disposed, or recycled on site in 1995

ON SITE PROCESS SYSTEM 2

On-site process system type Page 22.	Quantity treated, disposed, or recycled on site in 1995

Sec.III — A. Was any of this waste shipped off site in 1995 Instruction page 22 ☒ 1 Yes (CONTINUE TO BOX B) ☐ 2 No (SKIP TO SEC IV)

	B. EPA ID No. of facility waste was shipped to Page 23	C. System type shipped to Page 23	D. Off site availability code Page 23	E. Total quantity shipped in 1995 Page 23
Site 1	NCD000648451	W043	1	1763.0
Site 2				

Sec IV — A. Did new activities in 1995 result in minimization of this waste? Instruction page 24 ☐ 1 Yes (CONTINUE TO BOX B) ■ 2 No (THIS FORM IS COMPLETE)

B. Activity Page 24	C. Other effects Page 25	D. Quantity recycled in 1995 due to new activities Page 25	E. Activity production ratio Page 25	F. 1995 source reduction quantity Page 25
	☐ 1 Yes ☐ 2 No			

Quantity disposed includes the backlog from CY-94

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Quantico, Virginia 22134-5053

VA 1 7 0 0 2 4 7 2 2

U S ENVIRONMENTAL PROTECTION AGENCY

1995 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS Read the detailed instructions beginning on page 16 of the 1995 Hazardous Waste Report booklet before completing this form.

Sec I — A Waste description Instruction page 18

Corrosive waste nickel-cadmium batteries from military communication training operations

B EPA hazardous waste code Page 18: D002 D006 NA NA NA

C State hazardous waste code Page 18: N/A

D SIC code Page 18	E Origin code Page 18	F Source code Page 20	G Point of measurement Page 20	H Form code Page 20	I RCRA radioactive mixed Page 20
9711	System Type	55	1	309	2

Sec. II

A. Quantity generated in 1994 Instruction Page 21	B. Quantity generated in 1995 Page 21.	C UOM Page 21 / Density	D Did this site do any of the following to this waste treat on site dispose on site, recycle on site, or discharge to a sewer POTW? Page 21
497.0	472.0	1 / = 1 lbs/gal = 2 sg	X 1 Yes (CONTINUE TO SYSTEM 1) ☐ 2 No (SKIP TO SEC. III)

ON SITE PROCESS SYSTEM 1

On site process system type Page 22	Quantity treated, disposed, or recycled on site in 1995

ON SITE PROCESS SYSTEM 2

On-site process system type Page 22	Quantity treated, disposed, or recycled on site in 1995

Sec III — A Was any of this waste shipped off site in 1995 Instruction page 22: X 1 Yes (CONTINUE TO BOX B) ☐ 2 No (SKIP TO SEC IV)

	B EPA ID No of facility waste was shipped to Page 23	C System type shipped to Page 23	D Off site availability code Page 23	E Total quantity shipped in 1995 Page 23
Site 1	NCD000648451	019	1	472.0
Site 2				

Sec IV — A Did new activities in 1995 result in minimization of this waste? Instruction page 24: ☐ 1 Yes (CONTINUE TO BOX B) X 2 No (THIS FORM IS COMPLETE)

B Activity Page 24	C Other effects Page 25	D Quantity recycled in 1995 due to new activities Page 25	E Activity prior to 1995 Page 25	F 1995 source reduction quantity Page 25
	Yes No			

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WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS Read the detailed instructions beginning on page 15 of the 1995 Hazardous Waste Report booklet before completing this form

Sec I — A Waste description Instruction page 18

Mercury batteries from military communications training operations

B EPA hazardous waste code Page 19: D009 NA / NA NA NA

C State hazardous waste code Page 19: N/A

D SIC code Page 19	E Origin code / System Type Page 19	F Source code Page 20	G Point of measurement Page 20	H Form code Page 20	I RCRA - radioactive mixed Page 20
9711		A55	1	B309	2

Sec. II

A. Quantity generated in 1994 Instruction Page 21.	B. Quantity generated in 1995 Page 21.	C. UOM Page 21.	Density	D Did this site do any of the following to this waste treat or site dispose on site, recycle on site, or discharge to a sewer POTW? Page 21.
48.0	125.0	1	.	☐ 1 Yes (CONTINUE TO SYSTEM 1) ☒ 2 No (SKIP TO SEC. III)

C: ☐ 1 lbs/gal ☐ 2 sg

ON SITE PROCESS SYSTEM 1		ON SITE PROCESS SYSTEM 2	
On-site process system type Page 22	Quantity treated, disposed, or recycled on site in 1995	On-site process system type Page 22	Quantity treated, disposed, or recycled on site in 1995
	.		.

Sec III — A. Was any of this waste shipped off site in 1995 Instruction page 22 ☒ 1 Yes (CONTINUE TO BOX B) ☐ 2 No (SKIP TO SEC IV)

	B EPA ID No of facility waste was shipped to Page 23	C System type shipped to Page 23	D Off site availability code Page 23	E. Total quantity shipped in 1995 Page 23
Site 1	NCD 000 648 451	019	1	123.0
Site 2				.

Sec IV — A Did new activities in 1995 result in minimization of this waste? ☐ Yes (CONTINUE TO BOX B) Instruction page 24 ☒ 2 No (THIS FORM IS COMPLETE)

B Activity Page 24	C Other effects Page 25	D Quantity recycled in 1995 due to new activities Page 25	E Activity product or Page 25	1995 source reduction quantity Page 26
	☐ 1 Yes ☐ 2 No		.	.

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VA1 170 024 722

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WASTE GENERATION AND MANAGEMENT

Read the attached instructions beginning on page 16 of the 1995 Hazardous Waste Report booklet before completing this form.

Sec I — A. Waste description Page 18

Photographic waste from photo lab containing silver

B. EPA hazardous waste code Page 19 — C. State hazardous waste code Page 19

D011 NA
NA NA NA

N/A

D. SIC code Page 19: 9711
E. Origin code Page 19: System ___ Type 1
F. Source code Page 20: 37
G. Point of measurement Page 20: 1
H. Form code Page 20: 13
RCRA radioactive mixed Page 20: 2

Sec II — A. Quantity generated in 1994 Instruction Page 21: 8031.0
B. Quantity generated in 1995 Page 21: 2954.0
C. UOM Page 21: 1 (1 = lbs/gal, 2 = sg) — Density
D. Did this site do any of the following to this waste: treat on site, dispose on site, recycle on site, or discharge to a sewer POTW? Page 21
☐ 1 Yes (CONTINUE TO SYSTEM 1)
☒ 2 No (SKIP TO SEC III)

ON SITE PROCESS SYSTEM 1
On site process system type Page 22:
Quantity treated, disposed, or recycled on site in 1995:

ON SITE PROCESS SYSTEM 2
On site process system type Page 22:
Quantity treated, disposed, or recycled on site in 1995:

Sec III — A. Was any of this waste shipped off site in 1995? Instruction page 22
☒ 1 Yes (CONTINUE TO BOX B)
☐ 2 No (SKIP TO SEC IV)

Site	B. EPA ID No. of facility waste was shipped to Page 22	C. System type shipped to Page 23	D. On site availability code Page 23	E. Total quantity shipped in 1995 Page 23
1	NCD 000 648 451	077	1	2954.0
2				

Sec IV — A. Did you ship any of this waste? ☒ 1 Yes (CONTINUE TO BOX B) ☐ 2 No (THIS FORM IS COMPLETE)

B. Waste code Page 25	C. Other wastes Page 25	D. Quantity recycled on site Page 25	E. Quantity shipped off site for recycling Page 25	F. Quantity shipped off site for 1995 source reduction Page 25
99 NA NA NA		NA	NA	5077.0

Reduction due to implementation of evaporation unit (first of three units).

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U.S. ENVIRONMENTAL PROTECTION AGENCY

FORM GM

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 6 of the 1995 Hazardous Waste Report booklet before completing this form.

Sec. I A. Waste description Instruction page 18

Hydraulic fluid and freon from Maintenance operations

B. EPA hazardous waste code Page 19: F002 NA / NA NA NA

C. State hazardous waste code Page 19: N/A

D. SIC code Page 19: 9711 | E. Origin code Page 19: System Type 1 | F. Source code Page 20: A09 | G. Form of Measurement Page 20: 1 | H. Form code Page 20: 202 | I. RCRA - radioactive - mixed Page 20: 2

Sec. II A. Quantity generated in 1994 Instruction Page 21: 3697.0 | B. Quantity generated in 1995 Page 21.: 19440. | C. UOM Page 21: 1 (1 lbs/gal 2 sg) Density | D. Is this site or any of the following this waste treat or dispose on site recycle on site or discharge to a sewer POTW? Page 21. ☐ 1 Yes (CONTINUE TO SYSTEM 1) ☒ 2 No (SKIP TO SEC III)

ON SITE PROCESS SYSTEM 1

On site process system type Page 22:

Quantity treated, disposed, or recycled on site in 1995:

ON SITE PROCESS SYSTEM 2

On site process system type Page 22:

Quantity treated, disposed, or recycled on site in 1995:

Sec III A. Was any of this waste shipped off site in 1995 Instruction page 22: ☒ 1 Yes CONTINUE TO BOX B ☐ 2 No SKIP TO SEC. IV

Site	B. EPA ID No. of facility waste was shipped to Page 23	C. System type shipped to D. On site (available) code Page 23	E. Total quantity shipped in 1995 Page 23
	NCD 000 648 451	061 1	3139.0

Sec IV A. Did you treat, dispose of or recycle any of this waste ☒ 1 Yes CONTINUE TO BOX B ☐ 2 No SKIP TO SEC. V Instruction Page 24

B. Waste code Page 25: 71 NA / NA NA | C. Other methods Page 25 | D. Quantity recycled treated and disposed of on site Page 25: NA | E. Net-work/pilot 1995 source reduction quantity Page 25: N.A | 1700.0

Freon was replaced with PD680 for latter year operations.

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VA1 170 024 722

U.S. ENVIRONMENTAL PROTECTION AGENCY

FORM GM

WASTE GENERATION AND MANAGEMENT

Read the attached instructions before you begin. Page 5 of the 1995 Hazardous Waste Report booklet will help you complete this form.

Sec I — A. Waste description (see instruction page 15)

Phenolic stripper from painting operations

B. EPA (Federal) waste code (Page 9) — C. State (if any) waste code (Page 9)

F002	NA		
NA	NA	NA	N/A

D. SIC code (Page 19)	E. Origin code (Page 19) System / Type	F. Source code (Page 20)	G. Point of measurement (Page 20)	H. Form code (Page 20)	I. RCRA radioactive mixed (Page 20)
9711		21	1	208	2

Sec II — A. Quantity generated in 1994 (see instruction Page 21.) — B. Quantity generated in 1995 (Page 21.) — C. UOM (Page 21) — Density — D. Did this site do any of the following to this waste (treat on site, dispose on site, recycle on site, or discharge to a sewer/POTW)? (Page 21)

A. 1994 quantity	B. 1995 quantity	C. UOM	Density	D.
10,778.0	3460.0	1		☐ 1 Yes (CONTINUE TO SYSTEM 1) ☒ 2 No (SKIP TO SEC III)

C = 1 lbs/gal C = 2 sg

ON-SITE PROCESS SYSTEM 1

On site process system type (Page 22)	Quantity treated, disposed, or recycled on site in 1995

ON-SITE PROCESS SYSTEM 2

On site process system type (Page 22)	Quantity treated, disposed, or recycled on site in 1995

Sec III — A. Was any of this waste shipped off site in 1995 (see instruction page 22) — ☒ 1 Yes (CONTINUE TO BOX B) ☐ 2 No (SKIP TO SEC ...)

Site	B. EPA ID No. of facility waste was shipped to (Page 23)	C. System type shipped to (Page 23)	D. Off site (evaluate) % code (Page 22)	E. Total quantity shipped in 1995 (Page 23)
	NCD 000 648 451	041	1	2696.0

Sec IV — A. How was this waste managed? (see instruction page 24) — ☐ 1 Yes (CONTINUE TO BOX B) ☐ 2 No (SKIP TO SEC ...)

B. Waste minimization (Page 24)	C. Other efforts (Page 24)	D. Quantity recycled (Page 25)	E. Quantity 1995 source reduction quantity (Page 25)
58 NA NA NA		NA	NA 7318.0

Reduced amount generated by longer use of product

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U.S. ENVIRONMENTAL PROTECTION AGENCY

1995 Hazardous Waste Rep.

FORM GM

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 16 of the 1995 Hazardous Waste Report booklet before completing this form.

Sec. I — A. Waste description: Instruction page 16

Tetrachloroethylene filters with liquid from dry cleaning operations

B. EPA hazardous waste code: Page 19	C. State hazardous waste code: Page 19
F002 D039 NA NA NA	N/A

D. SIC code: Page 19	E. Origin code: Page 19	F. Source code: Page 20	G. Form of measurement: Page 20	H. Form code: Page 20	I. RCRA radioactive mixed: Page 20
9711	System Type: 1	19	1	407	2

Sec. II

A. Quantity generated in 1994: Instruction Page 21	B. Quantity generated in 1995: Page 21.	C. UOM: Page 21.	J. Does this site do any of the following to this waste treat on site, dispose on site, recycle on site, or discharge to a sewer POTW? Page 21.
2,191.0	1,244.0	1 (Density: 1 lbs/gal, 2 sg)	☐ 1 Yes (CONTINUE TO SYSTEM 1) ☒ 2 No (SKIP TO SEC. III)

ON SITE PROCESS SYSTEM 1		ON SITE PROCESS SYSTEM 2	
On-site process system type: Page 22	Quantity treated, disposed, or recycled on site in 1995	On-site process system type: Page 22	Quantity treated, disposed, or recycled on site in 1995

Sec. III — A. Was any of this waste shipped off site in 1995? Instruction page 22 — ☒ 1 Yes (CONTINUE TO BOX B) ☐ 2 No (SKIP TO SEC IV)

	B. EPA ID No. of facility waste was shipped to: Page 23	C. System type shipped to: Page 23	D. Off site availability code: Page 23	E. Total quantity shipped in 1995: Page 23
Site 1	NCD 000 648 451	043	1	1249.0
Site 2				

Sec. IV — A. Did new activities in 1995 result in minimization of this waste? Instruction page 24 — ☐ 1 Yes (CONTINUE TO BOX B) ☒ 2 No (THIS FORM IS COMPLETE)

B. Activity: Page 24	C. Other effects: Page 25	D. Quantity recycled in 1995 due to new activities: Page 25	E. Activity production ratio: Page 25	F. 1995 source reduction quantity: Page 25

Quantity disposed includes the backlog from CY94
Tetrachloroethylene filters with liquids

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1995 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS Read the detailed instructions beginning on page 16 of the 1995 Hazardous Waste Report booklet before completing this form.

Sec I A Waste description Instruction page 18

Tetrachloroethylene rags from printing operations

B EPA hazardous waste code Page 19: D039 F002 NA NA NA NA

C State hazardous waste code Page 19: N/A

D SIC code Page 19: 9711

E Origin code 1 Page 19; System Type

F Source code Page 20: A19

G Point of measurement Page 20: 1

H Form code Page 20: 310

I RCRA radioactive mixed Page 20: 2

Sec. II A Quantity generated in 1994 Instruction Page 21.: 786.0

B. Quantity generated in 1995 Page 21.: 408.0

C UOM Page 21: 1 (1 lbs/gal 2 sg) Density

D Did this site do any of the following to this waste stream at site: dispose on site, recycle on site, or discharge to a sewer/POTW? Page 21
☐ 1 Yes (CONTINUE TO SYSTEM 1)
☒ 2 No (SKIP TO SEC. III)

ON SITE PROCESS SYSTEM 1
On-site process system type Page 22
Quantity treated, disposed, or recycled on site in 1995

ON SITE PROCESS SYSTEM 2
On-site process system type Page 22
Quantity treated, disposed, or recycled on site in 1995

Sec III A Was any of this waste shipped off site in 1995 Instruction page 22
☒ 1 Yes (CONTINUE TO BOX B)
☐ 2 No (SKIP TO SEC IV)

	B EPA ID No of facility waste was shipped to Page 23	C System type shipped to Page 23	D Off site availability code Page 23	E Total quantity shipped in 1995 Page 23.
Site 1	NCD 000 648 451	043	1	1162.0
Site 2				

Sec IV A Did new activities in 1995 result in minimization of this waste? ☐ Yes (CONTINUE TO BOX B) ☒ 2 No (THIS FORM IS COMPLETE)

B Activity Page 24	C Other effects Page 25	D Quantity recycled in 1995 due to new activities Page 25	E Activity production ratio Page 25	F 1995 source reduction quantity Page 25
	☐ 1 Yes ☐ 2 No			

Quantity disposed includes the backlog from CY94

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WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS Read the detailed instructions beginning on page 16 of the 1995 Hazardous Waste Report booklet before completing this form.

Sec I A Waste description, Instruction page 18

Corrosive liquid from photographic/microfiche maintenance operations: Ammonium thiosulfate and Sodium carbonate

B EPA hazardous waste code Page 18	C State hazardous waste code Page 18
D002 NA NA NA NA	NA

D SIC code Page 19	E Origin code / System Type Page 19	F Source code Page 20	G Point of measurement Page 20	H Form code Page 20	I RCRA radioactive mixed Page 20
9711		A37	1	B110	2

Sec. II

A. Quantity generated in 1994 Instruction Page 21.	B. Quantity generated in 1995 Page 21.	C. UOM Page 21. Density	D Does this site do any of the following to this waste treat on site, dispose on site, recycle on site, or discharge to a sewer/POTW? Page 21.
2100.0	1.0	1 ____.____ 1 = lbs/gal 2 = sg	X 1 Yes (CONTINUE TO SYSTEM 1) 2 No (SKIP TO SEC. III)

ON SITE PROCESS SYSTEM 1		ON SITE PROCESS SYSTEM 2	
On-site process system type Page 22.	Quantity treated, disposed, or recycled on site in 1995	On-site process system type Page 22	Quantity treated, disposed, or recycled on site in 1995

Sec.III A Was any of this waste shipped off-site in 1995 Instruction page 22 — X 1 Yes (CONTINUE TO BOX B) 2 No (SKIP TO SEC IV)

	B EPA ID No of facility waste was shipped to Page 23	C System type shipped to Page 23	D Off-site availability code Page 23	E Total quantity shipped in 1995 Page 23
Site 1	NCD000648451	A121	1	1.0
Site 2				

Sec IV A Did new activities in 1995 result in minimization of this waste? Instruction page 24 — 1 Yes CONTINUE TO BOX B X 2 No THIS FORM IS COMPLETE

B Activity Page 24	C Other effects Page 25	D Quantity recycled in 1995 due to new activities Page 25	E Activity produced in 1995 source reduction quantity Page 25
	1 Yes 2 No		

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WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 16 of the 1995 Hazardous Waste Report booklet before completing this form.

Sec. I — A. Waste description: Instruction page 18

Corrosive Sodium hydroxide from Weapons cleaning operations

B. EPA hazardous waste code: Page 18	C. State hazardous waste code: Page 18
D 0 0 2 N A / N A N A N A	N/A

D. SIC code: Page 19	E. Origin code: Page 19	F. Source code: Page 20	G. Point of measurement: Page 20	H. Form code: Page 20	I. RCRA - radioactive mixed: Page 20
9711	1	A19	1	B110	2

Sec. II

A. Quantity generated in 1994 Instruction Page 21.	B. Quantity generated in 1995 Page 21.	C. UOM Page 21 / Density	D. Did this site do any of the following to this waste stream at this site: dispose on site, recycle on site, or discharge to a sewer POTW? Page 21.
3,976.0	4,776.0	1 / 1 lbs/gal 2 sg	☐ 1 Yes (CONTINUE TO SYSTEM 1) ☒ 2 No (SKIP TO SEC. III)

ON SITE PROCESS SYSTEM 1		ON SITE PROCESS SYSTEM 2	
On-site process system type Page 22	Quantity treated, disposed, or recycled on site in 1995	On-site process system type Page 22	Quantity treated, disposed, or recycled on site in 1995

Sec. III — A. Was any of this waste shipped off site in 1995? Instruction page 22 ☒ 1 Yes (CONTINUE TO BOX B.) ☐ 2 No (SKIP TO SEC IV)

	B. EPA ID No. of facility waste was shipped to: Page 23	C. System type shipped to: Page 23	D. Off-site waste availability code: Page 23	E. Total quantity shipped in 1995: Page 23.
Site 1	NCD 0 0 0 6 4 8 4 5 1	T 1 2 1	1	5,208.0
Site 2				

Sec. IV — A. Did new activities in 1995 result in minimization of this waste? Instruction page 24 ☒ 2 No (THIS FORM IS COMPLETE) ☐ Yes (CONTINUE TO BOX B.)

B. Activities: Page 24	C. Other effects: Page 25	D. Quantity recycled in 1995 due to new activities: Page 25	E. Activity production ratio: 1995 source reduction quantity: Page 25
1 Yes 2 No			

Quantity disposed includes the backlog from CY94

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WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS Read the detailed instructions beginning on page 16 of the 1995 Hazardous Waste Report booklet before completing this form

Sec I A Waste description Instruction page 18

Corrosive phosphoric acid from Research & Development lab

B EPA hazardous waste code Page 18: D002 NA / NA NA NA

C State hazardous waste code Page 18: N/A

D SIC code Page 19	E Origin code Page 19 / System Type	F. Source code Page 20.	G Point of measurement Page 20	H Form code Page 20	I RCRA - radioactive mixed Page 20
9711		94	1	104	2

Sec. II

A. Quantity generated in 1994 Instruction Page 21.	B. Quantity generated in 1995 Page 21.	C. UOM Page 21. / Density	D Did this site do any of the following to this waste treat on site dispose on site, recycle on site or discharge to a sewer POTW? Page 21
95.0	426.0	1 / ____ . ____ ☐ 1 lbs/gal ☐ 2 sg	☐ 1 Yes (CONTINUE TO SYSTEM 1) ☒ 2 No (SKIP TO SEC. III)

ON SITE PROCESS SYSTEM 1		ON SITE PROCESS SYSTEM 2	
On-site process system type Page 22	Quantity treated, disposed, or recycled on site in 1995	On-site process system type Page 22.	Quantity treated, disposed, or recycled on site in 1995

Sec.III A Was any of this waste shipped off site in 1995 Instruction page 22 ☒ 1 Yes (CONTINUE TO BOX B) ☐ 2 No (SKIP TO SEC IV)

	B EPA ID No of facility waste was shipped to Page 23	C System type shipped to Page 23	D. Off site availability code Page 23	E. Total quantity shipped in 1995 Page 23.
Site 1	NCD 000 648 451	121	1	139.0
Site 2				

Sec. IV A Did new activities in 1995 result in minimization of this waste? ☐ 1 Yes (CONTINUE TO BOX B) ☒ 2 No (THIS FORM IS COMPLETE)

B Activities Page 24	C Other effects Page 25	D Quantity recycled in 1995 due to new activities Page 25	E Activity production ratio Page 25	F 1995 source reduction quantity Page 26
	☐ 1 Yes ☐ 2 No			

Only 139 lbs of this waste were shipped during CY95, and the balance 287 lbs was shipped in Jan 1996

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WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS Read the detailed instructions beginning on page 16 of the 1995 Hazardous Waste Report booklet before completing this form.

Sec. I A Waste description (instruction page 18)

Corrosive Sulfuric acid from Research & Development lab

B EPA hazardous waste code Page 19: D002 NA / NA NA NA

C State hazardous waste code Page 19: N/A

D SIC code Page 19	E Origin code Page 19 / System Type	F Source code Page 20	G Point of measurement Page 20	H Form code Page 20	I RCRA radioactive mixed Page 20
9711	1 /	94	1	104	2

Sec. II

A. Quantity generated in 1994 Instruction Page 21.	B. Quantity generated in 1995 Page 21.	C UOM Page 21 / Density	D Does this site do any of the following to this waste (treat or store, dispose on site, recycle on site, or discharge to a sewer/POTW)? Page 21.
119.0	640.0	1 / □ 1 lbs/gal □ 2 sg	□ 1 Yes (CONTINUE TO SYSTEM 1) ☒ 2 No (SKIP TO SEC. III)

ON SITE PROCESS SYSTEM 1

On-site process system type Page 22	Quantity treated, disposed, or recycled on site in 1995

ON SITE PROCESS SYSTEM 2

On-site process system type Page 22	Quantity treated, disposed, or recycled on site in 1995

Sec. III A Was any of this waste shipped off site in 1995 (Instruction page 22) ☒ 1 Yes (CONTINUE TO BOX B) □ 2 No (SKIP TO SEC IV)

	B EPA ID No of facility waste was shipped to Page 23	C System type shipped to Page 23	D Off site (waste) code Page 23	E Total quantity shipped in 1995 Page 23
Site 1	NCD 000 648 451	121	1	640.0
Site 2				

Sec. IV A Did new activities in 1995 result in minimization of this waste? (Instruction page 24) □ 1 Yes (CONTINUE TO BOX B) ☒ 2 No (THIS FORM IS COMPLETE)

B Activity Page 24	C Other effects Page 25	D Quantity recycled in 1995 due to new activities Page 25	E Activity produced in 1995 source reduction quantity Page 25
	□ 1 Yes □ 2 No		

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WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS Read the detailed instructions beginning on page 15 of the 1995 Hazardous Waste Report booklet before completing this form.

Sec. I A. Waste description Instruction page 18

Tetrachloroethylene from Forensic Research & Development Lab

B. EPA hazardous waste code Page 19: F002 NA / NA NA NA

C. State hazardous waste code Page 19: N/A

D. SIC code Page 19	E. Origin code Page 19	F. Source code Page 20	G. Point of measurement Page 20	H. Form code Page 20	I. RCRA - radioactive mixed Page 20
9711	1 / System Type	94	1	202	2

Sec. II

A. Quantity generated in 1994 Instruction Page 21.	B. Quantity generated in 1995 Page 21.	C. UOM Page 21. / Density	D. Do this site do any of the following to this waste: treat or store, dispose on site, recycle on site, or discharge to a sewer POTW? Page 21.
0.0	1086.0	1 / .	☐ 1 Yes (CONTINUE TO SYSTEM 1) ☒ 2 No (SKIP TO SEC. III)
		☐ 1 lbs/gal ☐ 2 sg	

ON SITE PROCESS SYSTEM 1		ON SITE PROCESS SYSTEM 2	
On site process system type Page 22	Quantity treated, disposed, or recycled on site in 1995	On-site process system type Page 22.	Quantity treated, disposed, or recycled on site in 1995
	.		.

Sec. III A. Was any of this waste shipped off-site in 1995 Instruction page 22 ☒ 1 Yes (CONTINUE TO BOX B) ☐ 2 No (SKIP TO SEC IV)

	B. EPA ID No. of facility waste was shipped to Page 23	C. System type shipped to Page 23	D. Off-site availability code Page 23	E. Total quantity shipped in 1995 Page 23.
Site 1	NCD 000 648 451	041	1	1086.0
Site 2				.

Sec. IV A. Did new activities in 1995 result in minimization of this waste? ☐ Yes CONTINUE TO BOX B ☒ 2 No THIS FORM IS COMPLETE Instruction page 24

B. Activity Page 24	C. Other effects Page 25	D. Quantity recycled in Box B due to new activities Page 25	E. Activity production ratio Page 25	1995 source reduction quantity Page 25
.	☐ 1 Yes ☐ 2 No	.	.	.

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VA 1 7 0 0 2 4 7 2 2

U S ENVIRONMENTAL PROTECTION AGENCY

1995 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS Read the detailed instructions beginning on page 18 of the 1995 Hazardous Waste Report booklet before completing this form.

Sec. I A. Waste description Instruction page 18

Broken Mercury thermometers from Research & Development Lab

B. EPA hazardous waste code Page 19: D009 NA NA NA NA NA

C. State hazardous waste code Page 19: N/A

D. SIC code Page 19	E. Origin code Page 19 / System Type	F. Source code Page 20	G. Point of measurement Page 20	H. Form code Page 20	I. RCRA radioactive mixed Page 20
9711	2 /	53	1	117	2

Sec. II

A. Quantity generated in 1994 Instruction Page 21.	B. Quantity generated in 1995 Page 21	C. UOM Page 21. / Density	D. Does this site do any of the following to this waste stream at this site: dispose on site, recycle on site, or discharge to a sewer POTW? Page 21.
0.0	10.0	1 / = 1 lbs/gal = 2 sg	☐ 1 Yes (CONTINUE TO SYSTEM 1) ☒ 2 No (SKIP TO SEC. III)

ON SITE PROCESS SYSTEM 1

On-site process system type Page 22	Quantity treated, disposed, or recycled on site in 1995

ON SITE PROCESS SYSTEM 2

On-site process system type Page 22.	Quantity treated, disposed, or recycled on site in 1995

Sec. III A. Was any of this waste shipped off site in 1995 Instruction page 22. ☒ 1 Yes (CONTINUE TO BOX B) ☐ 2 No (SKIP TO SEC IV)

	B. EPA ID No. of facility waste was shipped to Page 23	C. System type shipped to Page 23	D. Off site availability code Page 23	E. Total quantity shipped in 1995 Page 23.
Site 1	NCD 000 648 451	019	1	10.0
Site 2				

Sec. IV A. Did new activities in 1995 result in minimization of this waste? Instruction page 24 ☐ 1 Yes (CONTINUE TO BOX B) ☒ 2 No THIS FORM IS COMPLETE

B. Activity Page 24	C. Other effects Page 25	D. Quantity recycled in 1995 due to new activities Page 25	E. Activity production ratio Page 25	F. 1995 source reduction quantity Page 25
	☐ 1 Yes ☐ 2 No			

Marine Corps Combat Development Command
Quantico, Virginia 22134-5053

VA 1 1 7 0 0 2 4 7 2 2

U S ENVIRONMENTAL PROTECTION AGENCY

1995 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS Read the detailed instructions beginning on page 16 of the 1995 hazardous waste report booklet before completing this form.

Sec I — A Waste description Instruction page 18

Ignitable petroleum distillate from Microfiche operation

B EPA hazardous waste code Page 18: D001 NA NA NA NA NA

C State hazardous waste code Page 18: N/A

D SIC code Page 19	E Origin code / System Type Page 19	F Source code Page 20	G Point of measurement Page 20	H Form code Page 20	I RCRA - radioactive mixed Page 20
9711	1 /	A37	1	B211	2

Sec. II

A. Quantity generated in 1994 Instruction Page 21.	B. Quantity generated in 1995 Page 21.	C. UOM Page 21 / Density	D. Did this site do any of the following to this waste treat on site, dispose on site, recycle on site or discharge to a sewer POTW? Page 21.
2546.0	1109.0	1 / 1 lbs/gal = 2 sg	☐ 1 Yes (CONTINUE TO SYSTEM 1) ☒ 2 No (SKIP TO SEC. III)

ON SITE PROCESS SYSTEM 1

On-site process system type Page 22	Quantity treated, disposed, or recycled on site in 1995

ON SITE PROCESS SYSTEM 2

On-site process system type Page 22.	Quantity treated, disposed, or recycled on site in 1995

Sec III — A. Was any of this waste shipped off site in 1995 Instruction page 22 ☒ 1 Yes (CONTINUE TO BOX B) ☐ 2 No (SKIP TO SEC IV)

	B EPA ID No of facility waste was shipped to Page 23	C System type shipped to Page 23	D. Off site availab code Page 23	E. Total quantity shipped in 1995 Page 23
Site 1	NCD000648451	061	1	2105.0
Site 2				

Sec IV — A Did new activities in 1995 result in minimization of this waste? Instruction page 24 ☐ 1 Yes (CONTINUE TO BOX B) ☒ 2 No (THIS FORM IS COMPLETE)

B Activity Page 24	C Other effects Page 25	D Quantity recycled in 1995 due to new activities Page 25	E Activity production ratio Page 25	F 1995 source reduction quantity Page 25
	☐ 1 Yes ☐ 2 No			

Quantity disposed includes the backlog from CY94

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VA 1 7 0 0 2 4 7 2 2

U S ENVIRONMENTAL PROTECTION AGENCY

1995 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS Read the detailed instructions beginning on page 5 of the 1995 Hazardous Waste Report booklet before completing this form.

Sec I — A Waste description Instruction page 18

Ignitable gasoline with water from Maintenance operation

B EPA hazardous waste code Page 19: D001 D018 / NA NA NA

C State hazardous waste code Page 5: N/A

D SIC code Page 19	E Origin code Page 19 / System Type	F Source code Page 20	G Form of measurement Page 20	H Form code Page 20	I RCRA radioactive mixed Page 20
9711		A57	1	B207	2

Sec. II — A Quantity generated in 1994 Instruction Page 21.: 6998.0

B. Quantity generated in 1995 Page 21.: 4624.0

C UOM Page 21: 1 (1 = lbs/gal, 2 = sg) Density:

D Does this site do any of the following to this waste: treat on site, dispose on site, recycle on site, or discharge to a sewer POTW? Page 21: 1 Yes (CONTINUE TO SYSTEM 1) / X 2 No (SKIP TO SEC III)

ON SITE PROCESS SYSTEM 1

On-site process system type Page 22:

Quantity treated, disposed, or recycled on site in 1995:

ON SITE PROCESS SYSTEM 2

On-site process system type Page 22:

Quantity treated, disposed, or recycled on site in 1995:

Sec III — A Was any of this waste shipped off site in 1995 Instruction page 22: X 1 Yes (CONTINUE TO BOX B) / 2 No (SKIP TO SEC IV)

	B EPA ID No of facility waste was shipped to Page 23	C System type Page 23	D Off site availability code Page 23	E Total quantity shipped in 1995 Page 23.
Site 1	NCD 000 648 451	061	1	4373.0
Site 2				

Sec IV — A Did new activities in 1995 result in minimization of this waste? Instruction page 24: X 2 No (THIS FORM IS COMPLETE)

B Activity Page 24	C Other effects Page 25	D Quantity recycled Page 25 due to new activities	E Activity production ratio or 1995 source reduction quantity Page 25
	1 Yes / 2 No		

Only 4373 lbs of this waste were shipped during CY95, and the balance 251 lbs was shipped in Jan 1996

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1995 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS Read the detailed instructions beginning on page 5 of the 1995 Hazardous Waste Report booklet before completing this form.

Sec. I — A. Waste description Instruction page 19

Alcohol denatured from Research & Development Lab

B. EPA hazardous waste code Page 19: D001 NA / NA NA NA

C. State hazardous waste code Page 19: N/A

D. SIC code Page 19	E. Origin code / System Type Page 19	F. Source code Page 20	G. Point of measurement Page 20	H. Form code Page 20	I. RCRA - radioactive mixed Page 20
9711		A94	1	B219	2

Sec. II

A. Quantity generated in 1994 Instruction Page 21	B. Quantity generated in 1995 Page 21.	C. UOM Page 21 / Density (1 = lbs/gal, 2 = sg)	D. Does this site do any of the following to this waste: treat on site, dispose on site, recycle on site, or discharge to a sewer/POTW? Page 21.
365.0	7.0	1	1 Yes (CONTINUE TO SYSTEM 1) / X 2 No (SKIP TO SEC. III)

ON SITE PROCESS SYSTEM 1

On-site process system type Page 22	Quantity treated, disposed, or recycled on site in 1995

ON SITE PROCESS SYSTEM 2

On-site process system type Page 22	Quantity treated, disposed, or recycled on site in 1995

Sec. III — A. Was any of this waste shipped off site in 1995 Instruction page 22: X 1 Yes (CONTINUE TO BOX B) / 2 No (SKIP TO SEC IV)

	B. EPA ID No. of facility waste was shipped to Page 23	C. System type shipped to Page 23	D. Off site availability code Page 23	E. Total quantity shipped in 1995 Page 23.
Site 1	NCD000618451	061	1	7.0
Site 2				

Sec. IV — A. Did new activities in 1995 result in minimization of this waste? 1 Yes (CONTINUE TO BOX B) / X 2 No (THIS FORM IS COMPLETE) Instruction page 24

B. Activity Page 24	C. Other effects Page 25	D. Quantity recycled in 1995 due to new activities Page 25	E. Activity code Page 25	F. 1995 source reduction quantity Page 25
	1 Yes / 2 No			

Denatured alcohol

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Quantico, Virginia 22134-5053
VA 1 7 0 0 2 4 7 2 2

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1995 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS Read the detailed instructions beginning on page 5 of the 1995 Hazardous Waste Report booklet before completing this form.

Sec. I — A. Waste description Instruction page 18

Chromium mask filters, field operations from communications officers school .

B. EPA hazardous waste code Page 18: D007 NA / NA NA NA

C. State hazardous waste code Page 8: N/A

D. SIC code Page 19	E. Origin code Page 19	F. Source code Page 20	G. Point of measurement Page 20	H. Form code Page 20	I. RCRA - radioactive mixed Page 20
9711	System Type	55	1	310	2

Sec. II

A. Quantity generated in 1994 Instruction Page 21.	B. Quantity generated in 1995 Page 21.	C. UOM Page 21 / Density	D. Did this site do any of the following to this waste stream at this site: dispose on site, recycle on site, or discharge to a sewer/POTW? Page 21
386.0	1029.0	1 (1 = lbs/gal, 2 = sg)	1 Yes (CONTINUE TO SYSTEM 1) / X 2 No (SKIP TO SEC. III)

ON SITE PROCESS SYSTEM 1

On-site process system type Page 22	Quantity treated, disposed, or recycled on site in 1995

ON SITE PROCESS SYSTEM 2

On-site process system type Page 22	Quantity treated, disposed, or recycled on site in 1995

Sec. III — A. Was any of this waste shipped off site in 1995 Instruction page 22: X 1 Yes (CONTINUE TO BOX B) / 2 No (SKIP TO SEC IV)

	B. EPA ID No. of facility waste was shipped to Page 23	C. System type shipped to Page 23	D. Off site location code Page 23	E. Total quantity shipped in 1995 Page 23
Site 1	NCD 000 648 451	043	1	1052.0
Site 2				

Sec. IV — A. Did new activities in 1995 result in minimization of this waste? Instruction page 24: 1 Yes (CONTINUE TO BOX B) / X 2 No (THIS FORM IS COMPLETE)

B. Waste minimization activities Page 24	C. Other effects Page 25	D. Quantity recycled in 1995 due to new activities Page 25	E. Quantity processed in 1995 source reduction quantity Page 25
	1 Yes / 2 No		

Quantity disposed includes the backlog from CY94

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Quantico, Virginia 22134-5053
VA 1 7 0 0 2 4 7 2 2

U S ENVIRONMENTAL PROTECTION AGENCY

1995 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 15 of the 1995 Hazardous Waste Report booklet before completing this form.

Sec I — A. Waste description (Instruction page 18)

Ignitable adhesive from Industrial/Maintenance operations

B. EPA hazardous waste code (Page 19)	C. State hazardous waste code (Page 19)
D001 NA NA NA NA	N/A

D. SIC code (Page 19)	E. Origin code (Page 19) / System Type	F. Source code (Page 20)	G. Point of measurement (Page 20)	H. Form code (Page 20)	I. RCRA - radioactive mixed (Page 20)
9711	1	A 5 7	1	B 2 1 0	2

Sec. II

A. Quantity generated in 1994 (Instruction Page 21.)	B. Quantity generated in 1995 (Page 21.)	C. UOM (Page 21) / Density	D. Is this site do any of the following to this waste (treat at site, dispose on site, recycle on site, or discharge to a sewer POTW? Page 21.
0.0	561.0	1 / 1 lbs/gal = 2 sg	☐ 1 Yes (CONTINUE TO SYSTEM 1) ☒ 2 No (SKIP TO SEC. III)

ON SITE PROCESS SYSTEM 1		ON SITE PROCESS SYSTEM 2	
On-site process system type (Page 22)	Quantity treated, disposed, or recycled on site in 1995	On-site process system type (Page 22)	Quantity treated, disposed, or recycled on site in 1995

Sec III — A. Was any of this waste shipped off site in 1995 (Instruction page 22)? ☒ 1 Yes (CONTINUE TO BOX B) ☐ 2 No (SKIP TO SEC IV)

	B. EPA ID No. of facility waste was shipped to (Page 23)	C. System type shipped to (Page 23)	D. Off site availability code (Page 23)	E. Total quantity shipped in 1995 (Page 23)
Site 1	NCD000648451	129	1	561.0
Site 2				

Sec IV — A. Did new activities result in minimization of this waste? (Instruction page 24) ☐ Yes (CONTINUE TO BOX B) ☒ 2 No (THIS FORM IS COMPLETE)

B. Activities (Page 24)	C. Other effects (Page 25)	D. Quantity recycled in 1995 due to new activities (Page 25)	E. Activity production ratio (Page 25) / 1995 source reduction quantity (Page 25)

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Quantico, Virginia 22134-5053
VA 1 7 0 0 2 4 7 2 2

U S ENVIRONMENTAL PROTECTION AGENCY

1995 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS Read the detailed instructions beginning on page 6 of the 1995 Hazardous Waste Report booklet before completing this form.

Sec I A Waste description Instruction page 18

Ignitable cleaning compound from Maintenance operation

B EPA Hazardous waste code Page 19: D001 NA / NA NA NA

C State Hazardous waste code Page 6: N/A

D SIC code Page 19: 9711

E Origin code 1 Page 19; System Type

F Source code Page 20: 19

G Point of measurement Page 20: 1

H Form code Page 20: 101

I RCRA - radioactive mixed Page 20: 2

Sec II A. Quantity generated in 1994 Instruction Page 21.: 863.0

B. Quantity generated in 1995 Page 21.: 266.0

C. UOM Page 21: 1 (1 = lbs/gal, 2 = sg) Density

D Does this site do any of the following to this waste treat or store dispose on site, recycle on site or discharge to a sewer POTW? Page 21
☐ 1 Yes (CONTINUE TO SYSTEM 1)
☒ 2 No (SKIP TO SEC. III)

ON SITE PROCESS SYSTEM 1

On site process system type Page 22

Quantity treated, disposed, or recycled on site in 1995

ON SITE PROCESS SYSTEM 2

On-site process system type Page 22

Quantity treated, disposed, or recycled on site in 1995

Sec III A Was any of this waste shipped off site in 1995 Instruction page 22
☒ 1 Yes (CONTINUE TO BOX B
☐ 2 No (SKIP TO SEC IV)

	B EPA ID No of facility waste was shipped to Page 23	C. System type shipped to Page 23	D Off site availability code Page 23	E Total quantity shipped in 1995 Page 23
Site 1	NCD 000 648 451	041	1	66.0
Site 2				

Sec IV A Did new activities in 1995 result in numerical reduction of this waste? Instruction page 24
☐ 1 Yes (CONTINUE TO BOX B
☒ 2 No THIS FORM IS COMPLETE

B Activity Page 24	C Other effects Page 25	D Quantity recycled in 1995 due to new activities Page 25	E Activity Page 25	F 1995 source reduction quantity Page 25
	☐ 1 Yes ☐ 2 No			

Only 66 lbs of this waste were shipped during CY95 & the balance 200 lbs was shipped in Jan 1996

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VA1 170 024 722

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1995 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS Read the detailed instructions beginning on page 15 of the 1995 Hazardous Waste Report booklet before completing this form.

Sec I A Waste description Instruction page 18

Lead contaminated debris from Metals Recovery

B EPA Hazardous waste code Page 15: D008 NA NA NA NA NA

C State hazardous waste code Page 5: N/A

D SIC code Page 19: 9711

E Origin code 1 Page 19; System Type

F Source code Page 20: A 7 2

G Point of measurement Page 20: 1

H Form code Page 20: B 3 0 2

I RCRA - radioactive mixed Page 20: 2

Sec. II

A. Quantity generated in 1994 Instruction Page 21: 66.0

B. Quantity generated in 1995 Page 21: 258.0

C UOM Page 21: 1 Density

□ 1 lbs/gal □ 2 sg

D Does this site do any of the following to this waste treat on site, dispose on site, recycle on site, or discharge to a sewer POTW? Page 21.

□ 1 Yes (CONTINUE TO SYSTEM 1)

☒ 2 No (SKIP TO SEC III)

ON SITE PROCESS SYSTEM 1

On-site process system type Page 22

Quantity treated, disposed, or recycled on site in 1995

ON-SITE PROCESS SYSTEM 2

On-site process system type Page 22.

Quantity treated, disposed, or recycled on site in 1995

Sec.III A Was any of this waste shipped off site in 1995 Instruction page 22. ☒ 1 Yes (CONTINUE TO BOX B) □ 2 No (SKIP TO SEC IV)

	B EPA ID No. of facility waste was shipped to Page 23	C. System type shipped to Page 23.	D. Off site availability code Page 23	E. Total quantity shipped in 1995 Page 23
Site 1	NCD 000 648 451	011	1	58.0
Site 2	MID 096 963 194	011	1	200.0

MID 096 963 194 011 1 200.0

Sec IV A Did new activities in 1995 result in minimization of this waste? □ Yes CONTINUE TO BOX B ☒ 2 No THIS FORM IS COMPLETE

B Activity Page 24

C Other effects Page 25: □ 1 Yes □ 2 No

D Quantity recycled in 1995 due to new activities Page 25

E Activity production ratio Page 25

F 1995 source reduction quantity Page 25

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VA1 170 024 722

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1995 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS Read the detailed instructions beginning on page 15 of the 1995 Hazardous Waste Report booklet before completing this form.

Sec I A Waste description Instruction page 18

Ignitable butyl acetate from Research & Development Lab

B EPA hazardous waste code Page 19: D001 NA / NA NA NA

C State hazardous waste code Page 19: N/A

D SIC code Page 19: 9711

E Origin code 1 Page 19; System Type

F Source code Page 20: A94

G Point of measurement Page 20: 1

H Form code Page 20: B203

I RCRA radioactive mixed Page 20: 2

Sec. II

A. Quantity generated in 1994 Instruction Page 21: 0.0

B. Quantity generated in 1995 Page 21: 20.0

C UOM Page 21: 1 Density: ☐ 1 lbs/gal ☐ 2 sg

D Does this site do any of the following to this waste treat on site, dispose on site, recycle on site or discharge to a sewer POTW? Page 21
☐ 1 Yes (CONTINUE TO SYSTEM 1)
☒ 2 No (SKIP TO SEC III)

ON SITE PROCESS SYSTEM 1

On-site process system type Page 22:

Quantity treated, disposed, or recycled on site in 1995:

ON SITE PROCESS SYSTEM 2

On-site process system type Page 22:

Quantity treated, disposed, or recycled on site in 1995:

Sec III A Was any of this waste shipped off site in 1995 Instruction page 22
☒ 1 Yes (CONTINUE TO BOX B)
☐ 2 No (SKIP TO SEC IV)

	B EPA ID No of facility waste was shipped to Page 23	C System type shipped to Page 23	D Off site availab code Page 23	E. Total quantity shipped in 1995 Page 23
Site 1	NCD.000 648 451	041	1	20.0
Site 2				

Sec IV A Did new activities in 1995 result in minimization of this waste? Instruction page 24
☐ 1 Yes (CONTINUE TO BOX B)
☒ 2 No (THIS FORM IS COMPLETE)

B Activities Page 24

C Other effects Page 25
☐ 1 Yes
☐ 2 No

D Quantity recycled in 1995 due to new activities Page 25

E Activity product or Page 25

F 1995 source reduction quantity Page 25

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Quantico, Virginia 22134-5053
VA 1 7 0 0 2 4 7 2 2

U S ENVIRONMENTAL PROTECTION AGENCY

1995 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS Read the detailed instructions beginning on page 16 of the 1995 hazardous waste report booklet before completing this form.

Sec I — A. Waste description Instruction page 18

Corrosive alkali batteries from Military Communications training

B. EPA hazardous waste code Page 19: D002 NA / NA NA NA

C. State hazardous waste code Page 19: N/A

D. SIC code Page 19	E. Origin code / System Type Page 19	F. Source code Page 20	G. Point of measurement Page 20	H. Form code Page 20	I. RCRA - radioactive mixed Page 20
9711	1 /	A 5 5	1	B 3 0 9	2

Sec. II

A. Quantity generated in 1994 Instruction Page 21.	B. Quantity generated in 1995 Page 21	C. UOM Page 21 / Density	D. Does this site do any of the following to this waste: treat on site, dispose on site, recycle on site, or discharge to a sewer POTW? Page 21.
0.0	152.0	1 / 1 = 1 lbs/gal ☐ 2 sg	☐ 1 Yes (CONTINUE TO SYSTEM 1) ☒ 2 No (SKIP TO SEC. III)

ON SITE PROCESS SYSTEM 1		ON SITE PROCESS SYSTEM 2	
On-site process system type Page 22.	Quantity treated, disposed, or recycled on site in 1995	On-site process system type Page 22.	Quantity treated, disposed, or recycled on site in 1995

Sec.III — A. Was any of this waste shipped off site in 1995 Instruction page 22: ☒ 1 Yes (CONTINUE TO BOX B) ☐ 2 No (SKIP TO SEC IV)

	B. EPA ID No. of facility waste was shipped to Page 23	C. System type shipped to Page 23	D. Off site availability code Page 23	E. Total quantity shipped in 1995 Page 23.
Site 1	NCD 0 0 0 6 4 8 4 5 1	0 4 3	1	152.0
Site 2				

Sec IV — A. Did new activities in 1995 result in generation of this waste? ☐ Yes CONTINUE TO BOX B ☒ 2 No THIS FORM IS COMPLETE (Instruction page 24)

B. Activity Page 24	C. Other effects Page 25	D. Quantity recycled in 1995 due to new activities Page 25	E. Activity production ratio Page 25	F. 1995 source reduction quantity Page 25
	☐ 1 Yes ☐ 2 No			

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VA 1 7 0 0 2 4 7 2 2

U.S. ENVIRONMENTAL PROTECTION AGENCY

1995 Hazardous Waste Regs.

FORM GM

WASTE GENERATION AND MANAGEMENT

Read the detailed instructions beginning on page 15 of the 1995 Hazardous Waste Regs. booklet before completing this form.

Sec. I — A. Waste description Instruction page 18

Poisonous liquid, phenol, from Research & Development Lab

B. EPA hazardous waste code Page 19: U 1 8 8 | N A | N A | N A | N A | N A

C. State hazardous waste code Page 19: N/A

D. SIC code Page 19	E. Origin code Page 19 / System Type	F. Source code Page 20	G. Point of measurement Page 20	H. Form code Page 20	I. RCRA radioactive mixed Page 20
9711		94	1	208	2

Sec. II

A. Quantity generated in 1994 Instruction Page 21.	B. Quantity generated in 1995 Page 21.	C. UOM Page 21 / Density	D. Does this site do any of the following to this waste treat or dispose on site, recycle on site, or discharge to a sewer POTW? Page 21
0.0	2.0	1 / ☐ 1 lbs/gal ☐ 2 sg	☐ 1 Yes (CONTINUE TO SYSTEM 1) ☒ 2 No (SKIP TO SEC. III)

ON SITE PROCESS SYSTEM 1

On-site process system type Page 22	Quantity treated, disposed, or recycled on site in 1995

ON SITE PROCESS SYSTEM 2

On-site process system type Page 22	Quantity treated, disposed, or recycled on site in 1995

Sec. III — A. Was any of this waste shipped off site in 1995 Instruction page 22. ☒ 1 Yes (CONTINUE TO BOX B) ☐ 2 No (SKIP TO SEC IV)

	B. EPA ID No. of facility waste was shipped to Page 23	C. System type shipped to Page 23	D. On-site / available / code Page 23	E. Total quantity shipped in 1995 Page 23
Site 1	NCD 0 0 0 6 4 8 4 5 1	0 4 1	1	2.0
Site 2				

Sec. IV — A. Did new activities in 1995 result in minimization of this waste? Instruction page 24 ☒ 2 No (THIS FORM IS COMPLETE)

B. Page 24	C. Other effects Page 25	D. Quantity recycled in 1995 due to new activities Page 25	E. Activity production Page 25	F. 1995 source reduction quantity Page 26
	☐ 1 Yes ☐ 2 No			

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VA 1 7 0 0 2 4 7 2 2

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1995 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS Read the detailed instructions beginning on page 15 of the 1995 Hazardous Waste Report booklet before completing this form.

Sec I A Waste description Instruction page 18

Corrosive liquid DS-2 from Maintenance Operation

B EPA hazardous waste code Page 19: D002 NA / NA NA NA

C State hazardous waste code Page 19: N/A

D SIC code Page 19: 9711

E Origin code 1 Page 19; System Type

F Source code Page 20: A57

G Point of measurement Page 20: 1

H Form code Page 20: T05

I RCRA radioactive mixed Page 20: 2

Sec. II

A. Quantity generated in 1994 Instruction Page 21.: 0.0

B. Quantity generated in 1995 Page 21.: 800.0

C. UOM Page 21: 1 (Density; 1 = lbs/gal 2 = sg)

D Did this site do any of the following to this waste treat or dispose on site, recycle on site, or discharge to a sewer POTW? Page 21.
1 Yes (CONTINUE TO SYSTEM 1)
X 2 No (SKIP TO SEC. III)

ON SITE PROCESS SYSTEM 1

On-site process system type Page 22

Quantity treated, disposed, or recycled on site in 1995

ON SITE PROCESS SYSTEM 2

On-site process system type Page 22.

Quantity treated, disposed, or recycled on site in 1995

Sec.III A Was any of this waste shipped off-site in 1995 Instruction page 22
X 1 Yes (CONTINUE TO BOX B)
2 No (SKIP TO SEC IV)

	B EPA ID No of facility waste was shipped to Page 23	C System type shipped to Page 23	D Off-site waste/treatment code Page 23	E Total quantity shipped in 1995 Page 23
Site 1	NCD 000 648 451	121	1	800.0
Site 2				

Sec IV A Did new activities in 1995 result in minimization of this waste? Instruction page 24
1 Yes CONTINUE TO BOX B
X 2 No THIS FORM IS COMPLETE

B Activity Page 24	C Other effects Page 25	D Quantity recycled in 1995 due to new activities Page 25	E Activity 2 source reduction 1995 source reduction quantity Page 25
	1 Yes X 2 No		

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U S ENVIRONMENTAL PROTECTION AGENCY

1995 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS Read the detailed instructions beginning on page 5 of the 1995 Hazardous Waste Report booklet before completing this form

Sec I A. Waste description (Page 18): Corrosive mixture of Sodium hydroxide, Sodium nitrate and Sodium carbonate from Weapons cleaning operations

B. EPA hazardous waste code Page 19: D002 NA / NA NA NA

C. State hazardous waste code Page 19: N/A

D. SIC code Page 19	E. Origin code / System Type Page 19	F. Source code Page 20	G. Point of measurement Page 20	H. Form code Page 20	I. RCRA - radioactive mixed Page 20
9711	1 /	A19	1	B710	2

Sec. II

A. Quantity generated in 1994 Instruction Page 21	B. Quantity generated in 1995 Page 21.	C. UOM Page 21 / Density	D. Does this site do any of the following to this waste: treat on site, dispose on site, recycle on site, or discharge to a sewer/POTW? Page 21.
17,706.0	10,14.0	1 / .	☐ 1 Yes (CONTINUE TO SYSTEM 1) ☒ 2 No (SKIP TO SEC III)
		☐ 1 lbs/gal ☐ 2 sg	

ON-SITE PROCESS SYSTEM 1

On site process system type Page 22	Quantity treated, disposed, or recycled on site in 1995

ON-SITE PROCESS SYSTEM 2

On-site process system type Page 22.	Quantity treated, disposed, or recycled on site in 1995

Sec.III A. Was any of this waste shipped off site in 1995 Instruction page 22 ☐ 1 Yes (CONTINUE TO BOX B.) ☒ 2 No (SKIP TO SEC IV)

	B. EPA ID No. of facility waste was shipped to Page 23	C. System type shipped to Page 23	D. Off site availability code Page 23	E. Total quantity shipped in 1995 Page 23
Site 1	NA	NA	NA	0.0
Site 2				

Sec IV A. Did new activities in 1995 result in minimization of this waste? ☐ Yes (CONTINUE TO BOX B) Instruction page 24 ☒ 2 No (THIS FORM IS COMPLETE)

B. Activities Page 24	C. Other effects Page 25	D. Quantity recycled in 1995 due to new activities Page 25	E. Activity producing 1995 source reduction quantity Page 25
	☐ Yes ☐ No		

This waste was generated in CY95 but was not shipped until Jan 1996

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VA 1 7 0 0 2 4 7 2 2

U S ENVIRONMENTAL PROTECTION AGENCY

1995 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS Read the detailed instructions beginning on page 15 of the 1995 Hazardous Waste Report booklet before completing this form.

Sec. I A. Waste description Instruction page 18

Leachate water from the Russell Road Landfill closure

B. EPA hazardous waste code Page 19

F 0 3 9 N A
N A N A N A

C. State hazardous waste code Page 19

N/A

D. SIC code Page 18	E. Origin code Page 19	F. Source code Page 20	G. Form code Page 20	H. RCRA - radioactive mixed Page 20
9711	System Type	A79	16	2

Sec. II A. Quantity generated in 1994 Instruction Page 21. 0.0

B. Quantity generated in 1995 Page 21. 668188.0

C. UOM Page 21. 1 (1 lbs/gal 2 sg)

D. Did this site do any of the following to this waste: store on site, recycle on site, or discharge to a sewer POTW? Page 21
1 Yes (CONTINUE TO SYSTEM 1)
2 No (SKIP TO SEC. III)

ON SITE PROCESS SYSTEM 1

On-site process system type Page 22.

Quantity treated, disposed, or recycled on site in 1995

ON SITE PROCESS SYSTEM 2

On-site process system type Page 22.

Quantity treated, disposed, or recycled on site in 1995

Sec. III A. Was any of this waste shipped off site in 1995 Instruction page 22.
1 Yes (CONTINUE TO BOX B)
2 No (SKIP TO SEC. IV)

	B. EPA ID No. of facility waste was shipped to Page 23	C. System type shipped to Page 23	D. Off-site [illegible] code Page 23	E. Total quantity shipped in 1995 Page 23.
Site 1	NJD 0 0 2 3 8 5 7 3 0	125	1	668188.0
Site 2				

Sec. IV A. Did new activities in 1995 result in minimization of this waste? Instruction page 24
1 Yes (CONTINUE TO BOX B)
2 No (THIS FORM IS COMPLETE)

B. Activity Page 24	C. Other effects Page 25	D. Quantity recycled in 1995 due to new activities Page 25	E. Activity production ratio Page 25	F. 1995 source reduction quantity Page 25
	1 Yes 2 No			

Neutralization of this waste was followed with Biological treatment

Marine Corps Combat Development Command
Quantico, Virginia 22134-5053
VA 1 7 0 0 2 4 7 2 2

U S ENVIRONMENTAL PROTECTION AGENCY

1995 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS Read the detailed instructions beginning on page 15 of the 1995 Hazardous Waste Report booklet before completing this form.

Sec I A Waste description Instruction page 18

Ignitable fluids: gasoline & diesel from Vehicle Maintenance operations

B EPA hazardous waste code Page 19: D001 D018 / NA NA NA

C State hazardous waste code Page 8: N/A

D SIC code Page 19	E Origin code 1 Page 19 System Type	F Source code Page 20	G Point of measurement Page 20	H Form code Page 20	I RCRA radioactive mixed Page 20
9711		A 5 7	1	B 2 1 9	2

Sec. II

A. Quantity generated in 1994 Instruction Page 21.	B. Quantity generated in 1995 Page 21.	C UOM Page 21. Density	D Is this site do any of the following to this waste stream at this site: dispose on site, recycle on site, or discharge to a sewer POTW? Page 21.
6,601.0	1,160.0	1 ☐ 1 lbs/gal ☐ 2 sg	☐ 1 Yes (CONTINUE TO SYSTEM 1) ☒ 2 No (SKIP TO SEC. III)

ON SITE PROCESS SYSTEM 1

On site process system type Page 22

Quantity treated, disposed, or recycled on site in 1995

ON SITE PROCESS SYSTEM 2

On-site process system type Page 22

Quantity treated, disposed, or recycled on site in 1995

Sec III A Was any of this waste shipped off site in 1995 Instruction page 22 ☐ 1 Yes (CONTINUE TO BOX B) ☒ 2 No (SKIP TO SEC IV)

	B EPA ID No of facility waste was shipped to Page 23	C System type shipped to Page 23	D Off site availability code Page 23	E Total quantity shipped in 1995 Page 23
Site 1	NA	NA	NA	0.0
Site 2				

Sec IV A Did new activities in 1995 result in minimization of this waste? Instruction page 24 ☐ Yes CONTINUE TO BOX B) ☒ 2 No THIS FORM IS COMPLETE

B Activity Page 24	C Other effects Page 25	D Quantity recycled in 1995 due to new activities Page 25	E Activity produced in 1995 source reduction quantity Page 25
	☐ 1 Yes ☐ 2 No		

This waste was generated in CY95 but was not shipped until Jan 1996 @Gasoline & diesel without water

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VA 1 1 7 0 0 2 4 7 2 2

U S ENVIRONMENTAL PROTECTION AGENCY

1995 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS Read the detailed instructions beginning on page 16 of the 1995 Hazardous Waste Report booklet before completing this form.

Sec. I — A. Waste description Instruction page 18

Lead contaminated debris from Rifle Range

B. EPA hazardous waste code Page 18: D008 NA / NA NA NA

C. State hazardous waste code Page 18: N/A

D. SIC code Page 18	E. Origin code 1 Page 19 / System Type	F. Source code Page 20	G. Point of measurement Page 20.	H. Form code Page 20	I. RCRA radioactive mixed Page 20
9711		A69	1	409	2

Sec. II

A. Quantity generated in 1994 Instruction Page 21.	B. Quantity generated in 1995 Page 21.	C. UOM Page 21. / Density	D. Is this site or any of the following to this waste treat or store dispose on site recycle on site or discharge to a sewer POTW? Page 21
0.0	443080.0	1 / 1 lbs/gal 2 sg	1 Yes (CONTINUE TO SYSTEM 1) X 2 No (SKIP TO SEC. III)

ON SITE PROCESS SYSTEM 1

On-site process system type Page 22	Quantity treated, disposed, or recycled on site in 1995

ON SITE PROCESS SYSTEM 2

On-site process system type Page 22.	Quantity treated, disposed, or recycled on site in 1995

Sec.III — A. Was any of this waste shipped off-site in 1995 Instruction page 22. X 1 Yes (CONTINUE TO BOX 9) 2 No (SKIP TO SEC IV)

	B. EPA ID No of facility waste was shipped to Page 23	C. System type shipped to Page 23.	D. Off-site availability code Page 23	E. Total quantity shipped in 1995 Page 23.
Site 1	SCD070375985	132	1	443080.0
Site 2				

Sec. IV — A. Did new activities in 1995 result in minimization of this waste? Instruction page 24 — 1 Yes (CONTINUE TO BOX B) X 2 No (THIS FORM IS COMPLETE)

B. Activity Page 24	C. Other effects Page 25	D. Quantity recycled in 1995 due to new activities Page 25	E. Activity production ratio Page 25	F. 1995 source reduction quantity Page 25
	1 Yes 2 No			

Removal of tires contaminated with lead bullets on firing range.

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Quantico, Virginia 22134-5053
VA1 170 024 722

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1995 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS Read the detailed instructions beginning on page 16 of the 1995 Hazardous Waste Report booklet before completing this form

Sec. I — A Waste description (Instruction page 18)

Lead contaminated toxaphene from Pesticides Burial Area

B EPA hazardous waste code (Page 19): D007 D008 / NA NA NA

C State hazardous waste code (Page 19): N/A

D SIC code (Page 19)	E Origin code (Page 19) / System Type	F Source code (Page 20)	G Point of measurement (Page 20)	H Form code (Page 20)	I RCRA - radioactive mixed (Page 20)
9711	1 /	A61	1	B701	2

Sec. II

A Quantity generated in 1994 (Instruction Page 21)	B. Quantity generated in 1995 (Page 21)	C. UOM (Page 21) / Density	D Did this site do any of the following to this waste stream on site: dispose on site, recycle on site, or discharge to a sewer/POTW? (Page 21)
0.0	4000.0	1 / . (1 = lbs/gal, 2 = sg)	☐ 1 Yes (CONTINUE TO SYSTEM 1) ☒ 2 No (SKIP TO SEC. III)

ON SITE PROCESS SYSTEM 1

On site process system type (Page 22)	Quantity treated, disposed, or recycled on site in 1995

ON SITE PROCESS SYSTEM 2

On-site process system type (Page 22)	Quantity treated, disposed, or recycled on site in 1995

Sec. III — A Was any of this waste shipped off site in 1995 (Instruction page 22)? ☒ 1 Yes (CONTINUE TO BOX B) ☐ 2 No (SKIP TO SEC IV)

	B EPA ID No. of facility waste was shipped to (Page 23)	C System type shipped to (Page 23)	D Off-site availability code (Page 23)	E Total quantity shipped in 1995 (Page 23)
Site 1	NCD 980 842 132	043	1	400.0
Site 2				

Sec. IV — A Did new activities in 1995 result in the generation of this waste? ☐ 1 Yes (CONTINUE TO BOX B) (Instruction page 24) ☒ 2 No (THIS FORM IS COMPLETE)

B Activity (Page 24)	C Other effects (Page 25)	D Quantity recycled in 1995 due to new activities (Page 25)	E Activity started in 1995 source reduction quantity (Page 25)
☐ 1 Yes ☐ 2 No			

Marine Corps Combat Development Command
Quantico, Virginia 22134-5053
VA 1 7 0 0 2 4 7 2 2

U S ENVIRONMENTAL PROTECTION AGENCY

1995 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS Read the detailed instructions beginning on page 15 of the 1995 Hazardous Waste report booklet before completing this form.

Sec I A Waste description Instruction page 18

Trichloroethylene from Forensic Research & Development Lab

B EPA hazardous waste code Page 18: F002 NA / NA NA NA

C State hazardous waste code Page 8: NA

D SIC code Page 18	E Origin code / System Type Page 18	F Source code Page 20	G Form of measurement Page 20	H Form code Page 20	I. RCRA - radioactive mixed Page 20
9711	1	94	1	202	2

Sec II

A Quantity generated in 1994 Instruction Page 21.	B. Quantity generated in 1995 Page 21	C UOM Page 21 (1 = lbs/gal, 2 = sg)	D Does this site do any of the following to this waste: treat or dispose on site, recycle on site, or discharge to a sewer/POTW? Page 21.
2830.0	416.0	1	1 Yes (CONTINUE TO SYSTEM 1) / X 2 No (SKIP TO SEC. III)

ON SITE PROCESS SYSTEM 1

On-site process system type Page 22	Quantity treated, disposed, or recycled on site in 1995

ON SITE PROCESS SYSTEM 2

On site process system type Page 22	Quantity treated, disposed, or recycled on site in 1995

Sec.III A Was any of this waste shipped off site in 1995 Instruction page 22: X 1 Yes (CONTINUE TO BOX B) / 2 No (SKIP TO SEC IV)

	B EPA ID No of facility waste was shipped to Page 23	C System type shipped to Page 23	D Off-site availability code Page 23	E Total quantity shipped in 1995 Page 23
Site 1	NCD.000648451	041	1	296.0
Site 2				

Sec IV A Did new activities in 1995 result in the elimination of this waste? Yes (CONTINUE TO BOX B) / X 2 No (THIS FORM IS COMPLETE) Instruction page 24

B Activities Page 24	C Other effects Page 25	D Quantity recycled in 1995 due to new activities Page 25	E Quantity prior to 1995 source reduction activities Page 25
	Yes / No		

Only 296 lbs of this waste was shipped during CY95 and the balance 120 lbs was shipped in January 1996

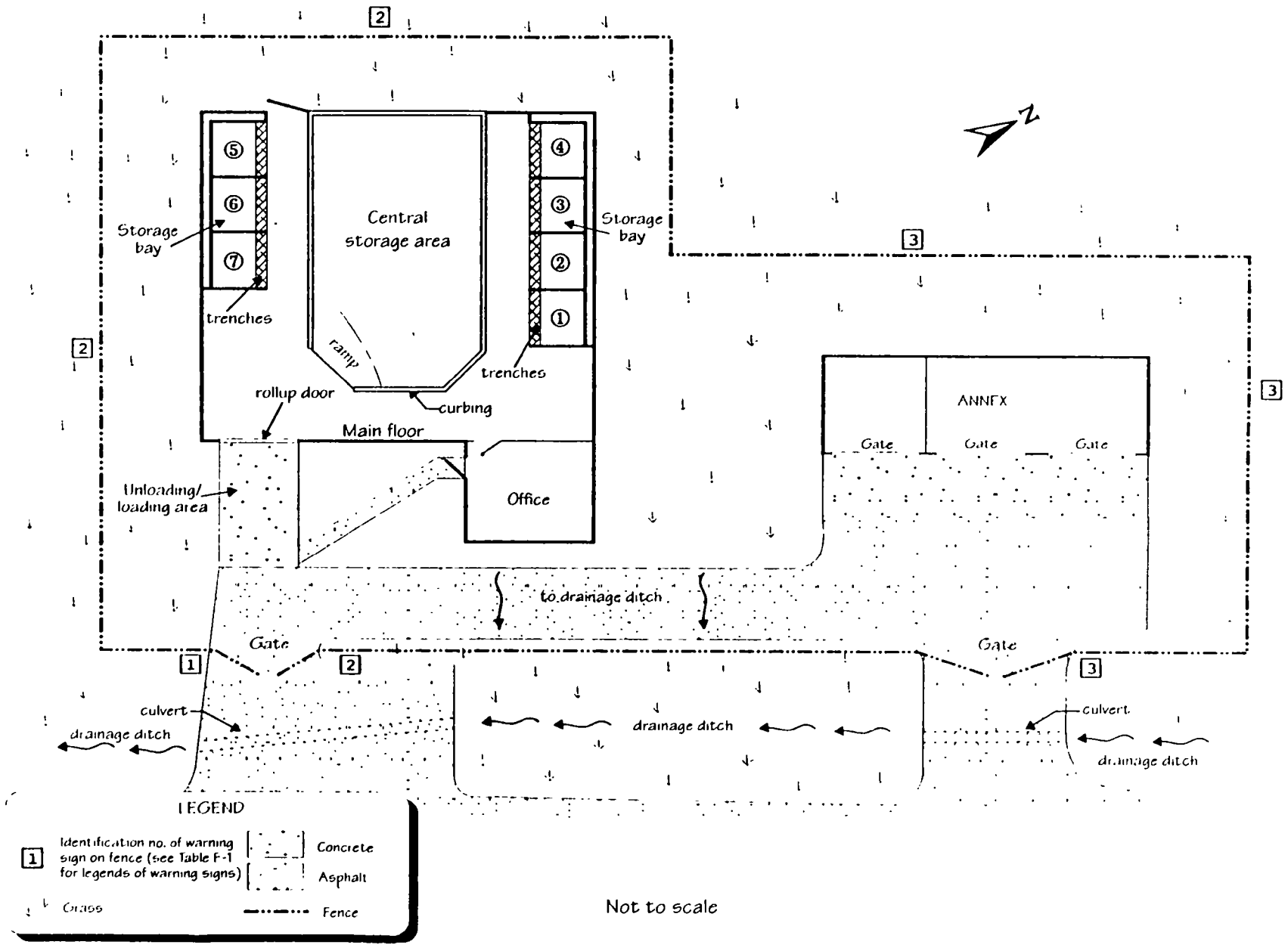

Figure F-1. Security Fence Around the Hazardous Waste Storage Facility (Building 27401) and Adjacent Annex (Building 27401A)

RESPONSE TO FIRST COMPLETENESS REVIEW COMMENTS FOR THE HAZARDOUS WASTE STORAGE FACILITY AT MARINE CORPS BASE, QUANTICO, VIRGINIA EPA ID NO. VA1170024722

The following provides responses to the Department of Environmental Quality's (DEQ's) completeness review comments on the Part B permit application for the Hazardous Waste Storage Facility (HWSF). Each comment from the DEQ letter dated December 5, 1996 is provided verbatim and is directly followed by a response (indicated in bold).

A. PART A APPLICATION

The Part A Application appears to be complete if all of the appropriate waste streams are included. See section C-1 below for the comment (and accompanying guidance) describing the number of known waste streams.

Response: Marine Corps Base (MCB), Quantico and its tenant organizations generate a wide range of waste types, some of which are generated routinely while others are generated on an infrequent or one-time basis. Thus, the Part A addresses the range of waste codes anticipated to be encountered during the HWSF operating life. In addition, the Part A has been updated to use the most current forms and provide the most current information for the HWSF. Section C-1 has been updated and revised accordingly.

B. FACILITY DESCRIPTION

General Comment: the following maps received during my site visit at the facility on November 5, 1996, are unreadable: A-1, A-2, A-3, and A-4. Legible maps bearing the previous designations must be supplied to this office.

Response: Maps A-1, A-2, A-3, and A-4 have been replaced as part of the overall update of the permit application. Engineering drawings depicting HWSF details are provided in Appendix D-1 of the permit application.

Note that Section B has been updated and reorganized to follow the checklist. Extraneous information has been deleted and new figures have been added necessitating renumbering the figures.

B-2 Topographical Map

The topographical (Topo) map, Figure B-4, does not appear to show a location of the Hazardous Waste Management Unit (HWMU) and may not depict the required 1000 foot radius inclusive

of topographical features surrounding the HWMU. In addition, the Topo map, dated 1986, must be updated to include all required current features as detailed in the canned comments.

Response: Section B-2 has been revised to include an additional topographic map from the United States Geological Survey as well as references to engineering drawings in Appendix D-1 with nearby topographic detail. Together, these topographic maps cover the area within 1,000 feet of the HWSF and are the only topographic maps available. Supplemental maps are provided to address features not shown on the topographic maps in accordance with VHWMR Section 11.5.I.

B-3 Location Information

Location information and, specifically, the exact latitude and longitude of the HWMU is required to be submitted with the Part B Application.

Response: The latitude and longitude for the HWSF have been added to Section B-3, which has been revised according to the guidance provided by the canned comments.

B-3b Floodplain Standard

The 100-year floodplain area as required by the VHWMR, § 11.5.C.1 and apparently intended to be submitted on Figure B-2, *Hazardous Waste Storage Facility Flood Plain* is not delineated on Figure B-2.

Response: The referenced figure has been replaced by the Flood Insurance Rate Map (Figure B-11) for the HWSF and surrounding area. As shown on this map, the HWSF is in Zone C, which is outside the 100-year floodplain.

B-4 Traffic Information

The Traffic Information, apparently submitted as Figure B-7, is unreadable. The Traffic Information must be submitted as detailed in the corresponding section of the canned comments.

Response: The traffic information has been revised and updated as requested. The legibility of the old Figure B-7 (now Figure B-13) has been improved to the extent possible.

C. WASTE CHARACTERISTICS

C-1 Chemical and Physical Analyses

In general, this section is vague and inadequate; see the canned comments and the regulatory citations associated with the canned comments, and the Waste Analyses Plan sections

(Attachments I) of the two approved permits that I supplied to you for Chemical and Physical Analyses guidance.

During my site visit to the container storage building on November 5, 1996, I noted that the Waste Profile Sheets at the facility described approximately 50-60 hazardous waste streams that are stored at the facility. In addition, you indicated that lab packs containing hazardous waste and nonhazardous waste streams are stored at the proposed permitted hazardous waste storage area. The lab packs and nonhazardous waste streams must be described fully in accordance with the VHWMR and EPA guidance as these waste streams are required to be included in the permit if storage of them is desired in the proposed permitted hazardous waste storage area. The sizing of the container storage area cells or bays and the containment system are both dependent on the maximum volumes of the waste streams that are intended to be stored in various sections of the proposed permitted facility. Sizing of the waste storage compartments and the waste containment system is an important issue from an engineering prospective [*sic*]. In addition, capatibility [*sic*] of waste streams including the lab packs and the non-hazardous wastes, stored together in close proximity is a critical safety and environmental issue. The sizing requirements of the storage areas proper in addition to the containment system and the required compatibility of waste containers stored in adjacent areas are mandated by the VHWMR (11.5.K.1.a.3, 11.5.K.1.b., 11.5.K.1.c., 11.5.B.9.), and necessitated by EPA guidance documents. The documents cited in the previous sentence include: *Facilities Storing Hazardous Waste In Containers - Guidance For Permit Writers*, Fred Hart and Associates, Incorporated, Washington, D.C., NTIS, 1982 (Enclosure I); *Waste Analysis at Facilities that Generate, Treat, Store, and Dispose of Hazardous Wastes - A Guidance Manual*, U.S. EPA, Solid Waste and Emergency Response, April 1994; *RCRA Orientation and Basic Permit Writer's Course Training Manual, Storage in Containers*, EPA, Region III, Richmond, Virginia, 1995 (Enclosure II); *Proposed Guide for Estimating the Compatibility of Selected Hazardous Wastes Based on Binary Chemical Reactions, D-34 Proposal P 168*, American Society of Testing and Materials, Philadelphia Pa., March 1986 (Enclosure III); and *A Method for Determining the Compatibility of Hazardous Wastes*, Philadelphia, EPA-600/2-80-076, Municipal Environmental Research Laboratory, Office of Research and Development, U.S. EPA, Cincinnati, Ohio, April 1980 (Enclosure IV).

Response: Section C-1 of the permit application has been revised to address the types of waste anticipated to be stored at the HWSF. In addition to hazardous wastes, nonhazardous wastes, hazardous materials, asbestos-containing materials, PCBs, and PCB-contaminated materials may also be stored. Labpacks may be created at the HWSF by the shipping contractor prior to shipment offsite. This consists of consolidating smaller containers of waste already in storage. This activity typically occurs about one week before shipment offsite. Thus, labpacks may be in storage for a short period of time, but they are typically generated after waste has already been received and stored at the HWSF. Labpacks may also be received at the HWSF from generator areas. Labpacking and waste consolidation activities are conducted according to VHWMR requirements. Only compatible waste items and sorbent materials are placed within the same drum, the wastes are compatible with the larger container in which they are placed, and characterization information is maintained on wastes that are labpacked or consolidated.

Compatibility determinations for labpacking purposes and for storage of all containers are made using the waste characterization information provided by the generators, VHWMR Appendix 10.5, and A Method for Determining the Compatibility of Hazardous Wastes, EPA-600/2/80-076.

The maximum waste storage volume for the HWSF is established in the Part A. Maximum storage volumes for purposes of determining secondary containment capacity in specific HWSF areas are addressed in Section D-1a(2) of the permit application. Note that MCB, Quantico is not proposing maximum waste volume limits by material type for each storage bay within the HWSF. The storage bays are designed to be flexible to accommodate the variations in waste generation typical to this type of installation. Thus, the material stored in a given storage bay may vary over time. However, at any one time, all the waste stored in a bay is compatible. Incompatible wastes are segregated by placement in different storage bays, in different rows in the central storage area, or on secondary containment pallets. Compatibility determinations are made as noted above. This is described in more detail in Sections D-1a(2) and F-5d of the permit application, and in Section 2 of the Waste Analysis Plan for the Hazardous Waste Storage Facility provided in Appendix C-1 of the permit application.

C-1a Containerized Waste

A demonstration must be made and submitted with the revisions to the Part B Application that each individual waste stream proposed for storage at the facility to be permitted is compatible with the appropriate container construction materials, and not compatible [*sic*] with the other wastes to be stored.

Response: Section C-1a has been revised to address waste compatibility with containers used for storage.

C-2 Waste analysis plan

See Section C-1, Chemical and Physical Analyses.

Response: The waste analysis plan has been revised and is provided in Appendix C-1 of the permit application. Section C-2 of the permit application provides a cross-reference of the waste analysis requirements to the location of the information in the waste analysis plan.

C-2a Parameters and rationale

See Section C-1, Chemical and Physical Analyses.

Response: See response above for Section C-2.

C-2b Test methods

See Section C-1, Chemical and Physical Analyses.

Response: See response above for Section C-2.

C-2c Sampling Methods

See Section C-1, Chemical and Physical Analyses.

Response: See response above for Section C-2.

C-2d Frequency of Analyses

See Section C-1, Chemical and Physical Analyses.

Response: See response above for Section C-2.

C-2e Additional requirements for wastes generated offsite

See Section C-1, Chemical and Physical Analyses.

Response: See response above for Section C-2.

C-2f Additional requirements for ignitable, reactive, or incompatible wastes

See Section C-1, Chemical and Physical Analyses.

Response: See response above for Section C-2.

D. PROCESS INFORMATION

GENERAL COMMENT

Section D of the Application describes two different Buildings that are apparently proposed for permitted storage of hazardous waste. During my visit to the Quantico Marine Base on November 5, 1986, I got the impression that only one hazardous waste container storage building was proposed for inclusion into a permit to be developed. Quantico must ensure that only the hazardous waste storage areas proposed for permitting are described in the Part B Application treatise. Please include in your response a clarification of which units have interim status, which unit(s) is to be permitted, and the status of any interim status units for which a permit is being sought.

Response: The HWSF (Building 27401) has interim status and a permit is being sought for this unit to store hazardous waste in containers. Building 2141, the old ammunition bunker, was included in the original application as a separate storage unit. Building 2141 had interim status and has since been closed in accordance with VHWMR requirements as documented in a letter dated March 28, 1995 from Mr. Harry H. Kelso, Director, Enforcement, Policy, and Public Affairs, Virginia Department of Environmental Quality, to Mr. Ralph Phipps, Environmental Section, Marine Corps Base, Quantico.

This permit application addresses only the HWSF. Section D has been reorganized and the discussion expanded to follow the canned comments checklist and provide the updated information requested.

D-1a(1) Description of Containers

Up-to-date information must be provided in the Part B Application in accordance with the requirements specified in the canned comments, and the submitted information must comply with the VHWMR. The applicable VHWR [*sic*] requirements are stated in the canned comments.

Response: Section D-1a(1) has been added. The information has been updated and expanded to address all the requirements in the VHWMR and the canned comments checklist.

D-1a(2) Container Management Practices

Up-to-date information must be provided in the Part B Application in accordance with the requirements specified in the canned comments, and the submitted information must comply with the VHWMR. The applicable VHWR [*sic*] requirements are stated in the canned comments.

Response: Section D-1a(2) has been added. The information has been updated and expanded to address all the requirements in the VHWMR and the canned comments checklist.

D-1a(3) Secondary Containment System Design and Operation

Up-to-date information must be provided in the Part B Application in accordance with the requirements specified in the canned comments, and the submitted information must comply with the VHWMR. The applicable VHWR [*sic*] requirements are stated in the canned comments.

Response: Section D-1a(3) has been added. The information has been updated and expanded to address all the requirements in the VHWMR and the canned comments checklist.

D-1a(3)(a) Requirement of the Base or Liner to Contain Liquids

Up-to-date information must be provided in the Part B Application in accordance with the requirements specified in the canned comments, and the submitted information must comply with the VHWMR. The applicable VHWR [*sic*] requirements are stated in the canned comments.

> **Response**: Section D-1a(3)(a) has been added. The information has been updated and expanded to address all the requirements in the VHWMR and the canned comments checklist.

D-1a(3)(b) Containment System Drainage

Up-to-date information must be provided in the Part B Application in accordance with the requirements specified in the canned comments, and the submitted information must comply with the VHWMR. The applicable VHWR [*sic*] requirements are stated in the canned comments.

> **Response**: Section D-1a(3)(b) has been added. The information has been updated and expanded to address all the requirements in the VHWMR and the canned comments checklist.

D-1a(3)(c) Containment System Capacity

The supplied information regarding the containment system appears to be out of date. For instance, PCB storage areas were described in the Application, but none were noted during the writer's visit to the facility on November 5, 1996.

Therefore, because of the dated information concerning the containment system that was supplied, an up-to-date description of the containment system must be provided in the Part B Application in accordance with the canned comments, and the submitted information must comply with the VHWMR requirements as stated in the canned comments.

> **Response:** Section D-1a(3)(c) has been added. The information has been updated and expanded to address all the requirements in the VHWMR and the canned comments checklist. The wastes generated at MCB, Quantico are variable from year-to-year. Thus, wastes present one year may not be present in another year. PCBs and PCB-contaminated materials may be stored only in the central storage area of the HWSF, which has been designed in accordance with 40 CFR 761 requirements. Since the types of waste in storage at any one time will vary, there may not always be PCB waste in storage, and other wastes or hazardous materials may be stored in the central storage area.

D-1a(3)(d) Control of Run-On

No specific information regarding run-on control could be located in the Part B Application submitted by the facility.

Up-to-date information must be provided in the Part B Application in accordance with the requirements specified in the canned comments, and the submitted information must comply with the VHWMR. The applicable VHWR [*sic*] requirements are stated in the canned comments.

Response: Section D-1a(3)(d) has been added. The information has been updated and expanded to address all the requirements in the VHWMR and the canned comments checklist.

D-1a(3)(e) Removal of Liquids From the Containment System

No specific information regarding removal of liquids from the containment facility could be located in the Part B Application submitted by the facility.

Up-to-date information must be provided in the Part B Application in accordance with the requirements specified in the canned comments, and the submitted information must comply with the VHWMR. The applicable VHWR [*sic*] requirements are stated in the canned comments.

Response: Section D-1a(3)(e) has been added. The information has been updated and expanded to address all the requirements in the VHWMR and the canned comments checklist.

D-1b Containers Without Free Liquids

Up-to-date information must be provided in the Part B Application in accordance with the requirements specified in the canned comments, and the submitted information must comply with the VHWMR. The applicable VHWR [*sic*] requirements are stated in the canned comments.

Response: Section D-1b has been added. All containers stored at the HWSF will be managed under the same set of procedures regardless of free liquids content. The container management practices are those set forth in Section D-1a of the permit application.

D-1b(1) Test for Free Liquids

Up-to-date information must be provided in the Part B Application in accordance with the requirements specified in the canned comments, and the submitted information must comply with the VHWMR. The applicable VHWR [*sic*] requirements are stated in the canned comments.

Response: See Section D-1b response.

D-1b(2) Description of Containers

Up-to-date information must be provided in the Part B Application in accordance with the requirements specified in the canned comments, and the submitted information must comply with the VHWMR. The applicable VHWR [*sic*] requirements are stated in the canned comments.

Response: See Section D-1b response.

D-1b(3) Container Management Practices

Up-to-date information must be provided in the Part B Application in accordance with the requirements specified in the canned comments, and the submitted information must comply with the VHWMR. The applicable VHWR [*sic*] requirements are stated in the canned comments.

Response: See Section D-1b response.

D-1b(4) Container Storage Area Drainage

Up-to-date information must be provided in the Part B Application in accordance with the requirements specified in the canned comments, and the submitted information must comply with the VHWMR. The applicable VHWR [*sic*] requirements are stated in the canned comments.

Response: See Section D-1b response.

F. PROCEDURES TO PREVENT HAZARDS

F-1 Security

Up-to-date information must be provided in the Part B Application in accordance with the requirements specified in the canned comments, and the submitted information must comply with the VHWMR. The applicable VHWMR requirements are stated in the canned comments.

Response: Section F has been updated and expanded to address all the requirements in the VHWMR and the canned comments checklist.

F-1a Security Procedures and Equipment

Up-to-date information must be provided in the Part B Application in accordance with the requirements specified in the canned comments, and the submitted information must comply with the VHWMR. The applicable VHWMR requirements are stated in the canned comments.

Response: Section F-1a has been updated and expanded to address all the requirements in the VHWMR and the canned comments checklist.

F-1a(1) 24 Hour Surveillance System

Quantico must check to ensure that the description of the 24 Hour Surveillance System on pages F-1 and F-2 of the Part B Application is current. The 24 hour Surveillance System description supplied in the Part B Application appears to have been submitted in approximately 1987 as was most of the Part B Application presently on file at DEQ.

Up-to-date information must be provided in the Part B Application in accordance with the requirements specified in the canned comments, and the submitted information must comply with the VHWMR. The applicable VHWMR requirements are stated in the canned comments.

Response: The information has been updated and expanded to address all the requirements in the VHWMR and the canned comments checklist. Access to the HWSF is controlled by a barrier and a means to prevent entry rather than a 24-hour surveillance system.

F-1a(2)a Barrier

Up-to-date information must be provided in the Part B Application in accordance with the requirements specified in the canned comments, and the submitted information must comply with the VHWMR. The applicable VHWMR requirements are stated in the canned comments.

Response: The information has been updated and expanded to address all the requirements in the VHWMR and the canned comments checklist.

F-1a(2)b Means to Control Entry

Up-to-date information must be provided in the Part B Application in accordance with the requirements specified in the canned comments, and the submitted information must comply with the VHWMR. The applicable VHWMR requirements are stated in the canned comments.

Response: The information has been updated and expanded to address all the requirements in the VHWMR and the canned comments checklist.

F-1a(3) Warning Signs

Up-to-date information must be provided in the Part B Application in accordance with the requirements specified in the canned comments, and the submitted information must comply with the VHWMR. The applicable VHWMR requirements are stated in the canned comments.

Response: The information has been updated and expanded to address all the requirements in the VHWMR and the canned comments checklist.

F-1b Waiver

Up-to-date information must be provided in the Part B Application in accordance with the requirements specified in the canned comments, and the submitted information must comply with the VHWMR. The applicable VHWMR requirements are stated in the canned comments.

Response: No waiver of the security procedures and equipment requirements is requested.

F-1b(1) Injury to Intruder

Up-to-date information must be provided in the Part B Application in accordance with the requirements specified in the canned comments, and the submitted information must comply with the VHWMR. The applicable VHWMR requirements are stated in the canned comments.

Response: See Section F-1b response.

F-1b(2) Violation Caused by Intruder

Up-to-date information must be provided in the Part B Application in accordance with the requirements specified in the canned comments, and the submitted information must comply with the VHWMR. The applicable VHWMR requirements are stated in the canned comments.

Response: See Section F-1b response.

F-2 Inspection Schedule

The Inspection Schedule, Table F-1, on page F-6 and the Inspection Form on pages F-8 through F-10 must be checked and updated as required by Quantico to ensure that they accurately reflect actual conditions to be included in the permit to issued for the hazardous waste storage facility. Two good examples of Inspection Forms and Inspection Schedules may be found within the two hazardous waste storage permits for the two Du Pont Plants that were left with you during my site visit to the facility on November 5, 1996.

Up-to-date information must be provided in the Part B Application in accordance with the requirements specified in the canned comments, and the submitted information must comply with the VHWMR. The applicable VHWMR requirements are stated in the canned comments.

Response: Section F-2 has been updated and expanded to address all the requirements in the VHWMR and the canned comments checklist. A revised inspection schedule and new weekly, monthly, and quarterly inspection forms have been added to this section as Figures F-2 through F-5.

F-2a General Inspection Requirements

See the comments in the Inspection Schedule, § F-2, above.

Response: See Section F-2 response.

F-2a(1) Types of Problems

See the comments in the Inspection Schedule, § F-2, above.

Response: See Section F-2 response.

F-2a(2) Frequency of Inspections

See the comments in the Inspection Schedule, § F-2, above.

Response: See Section F-2 response.

F-2b(1) Container Inspection

See the comments in the Inspection Schedule, § F-2, above.

Response: See Section F-2 response.

F-3 Waiver of Documentation of Preparedness and Prevention Requirements

The information provided in the Part B Application on page F-11 indicates that Quantico did not wish, in 1987 or thereabouts, to request a waiver of the documentation of the Preparedness and Prevention Requirements.

Up-to-date information must be provided in the Part B Application in accordance with the requirements specified in the canned comments, and the submitted information must comply with VHWMR. The applicable VHWMR requirements are stated in the canned comments.

Response: No waiver of the documentation of the preparedness and prevention requirements is requested. Section F-3 has been updated and expanded to address all the requirements in the VHWMR and the canned comments checklist.

F-3(a) Equipment Requirements

See the comments in the Waiver of Preparedness and Prevention Requirements, § F-3, above.

Response: See Section F-3 response.

F-3(a)(1) Internal Communications

See the comments in the Waiver of Preparedness and Prevention Requirements, § F-3, above.

Response: See Section F-3 response.

F-3(a)(2) External Communications

See the comments in the Waiver of Preparedness and Prevention Requirements, § F-3, above.

Response: See Section F-3 response.

F-3(a)(3) Emergency Equipment

See the comments in the Waiver of Preparedness and Prevention Requirements, § F-3, above.

Response: See Section F-3 response.

F-3(a)(4) Water for Fire Control

See the comments in the Waiver of Preparedness and Prevention Requirements, § F-3, above.

Response: See Section F-3 response.

F-3(b) Aisle Space Control

See the comments in the Waiver of Preparedness and Prevention Requirements, § F-3, above.

Response: See Section F-3 response.

F-4 Preventative Procedures, Structure, and Equipment

Preventative Procedures, Structures, and Equipment are discussed on pages F-11, F-12, and F-13 of the Part B Application. This section of the application was probably prepared in 1987 or thereabouts and may not be reflective of the present conditions at the facility as they relate to pertinent information to be included in the hazardous waste storage permit currently under consideration. It was noted during my November 5, 1996, site visit to the facility that spill control and various safety related equipment appeared to be adequate in regard to quality and quantity of the equipment observed.

Up-to-date information must be provided in the Part B Application in accordance with the requirements specified in the canned comments, and the submitted information must comply with the VHWMR. The applicable VHWMR requirements are stated in the canned comments.

Response: Section F-4 has been updated and expanded to address all the requirements in the VHWMR and the canned comments checklist.

F-4(a) Unloading Operations

See the comments in the Preventative Procedures, Structures, and Equipment, § F-4, above.

Response: See Section F-4 response.

F-4(b) Run-off

See the comments in the Preventative Procedures, Structures, and Equipment, § F-4, above.

Response: See Section F-4 response.

F-4(c) Water Supplies

See the comments in the Preventative Procedures, Structures, and Equipment, § F-4, above.

Response: See Section F-4 response.

F-4(d) Equipment and Power Failure

See the comments in the Preventative Procedures, Structures, and Equipment, § F-4, above.

Response: See Section F-4 response.

F-4(e) Personnel Protective Equipment

See the comments in the Preventative Procedures, Structures, and Equipment, § F-4, above.

Response: See Section F-4 response.

F-5 Prevention of Reaction of Ignitable, Reactive, and Incompatible Wastes

Ignitable, reactive and incompatible waste streams, both solid and hazardous must be fully described and identified, and the current information regarding characterization of each waste stream is required before any hazardous waste storage permit can be issued for Quantico. The guidance stated in § C-1, Chemical and Physical Analyses, concerning the requirements for a detailed description of each waste stream stored in the facility proposed for permitting applies.

Response: The requested waste stream characterization information is provided in Section C-1 of the permit application. As described in Section D-1a(2), Natural Resources and Environmental Affairs Branch (NREAB) personnel prepare a waste profile

for each waste stream to be stored at the HWSF. Waste characterization is conducted in accordance with the Waste Analysis Plan for the Hazardous Waste Storage Facility provided in Appendix C-1. Note that waste streams received may vary, but in all cases, no hazardous wastes will be accepted for storage unless the waste code for the material to be stored at the HWSF is one of the applicable waste codes present on the Part A application.

Compatibility of each waste stream, solid and hazardous, must be demonstrated with all other waste streams to be stored in any given bay, cell, compartment, or any other designated storage area proposed for inclusion in the hazardous waste storage permit. The methodology contained within the ASTM method D-34 Proposal P 168 must be utilized to demonstrate the compatibility of each waste stream with the other waste streams.

The ASTM method D-34 Proposal P 168 is fully described in the Proposed Guide for Estimating the Compatibility of Selected Hazardous Wastes Based on Binary Chemical Reactions, D-34 Proposal P 168, American Society of Testing and Materials, Philadelphia Pa., March 1986, (Enclosure III) and A Method for Determining the Compatibility of Hazardous Wastes, Philadelphia, EPA-600/2-80-076, Municipal Environmental Research Laboratory, Office of Research and Development, U.S. EPA, Cincinnati, Ohio, April 1980 (Enclosure IV).

Response: Compatibility determinations are made using VHWMR Appendix 10.5 and A Method for Determining the Compatibility of Hazardous Wastes, EPA-600/2-80-076. Section D-1a(2) of the permit application describes how incompatible wastes are segregated within the HWSF. MCB, Quantico does not intend to dedicate specific storage bays to specific waste streams because the quantity of specific waste streams can vary. Thus, over time, a single storage bay may be used for different types of waste, but at any one time, all wastes within a single storage bay will be compatible. A sign posted at each storage bay identifies the type of waste stored. The storage bays, with walls on three sides, provide physical separation of wastes. In the central storage area, incompatible wastes will be separated by at least one row of compatible waste.

Handling practices must be summarized in detail for ignitable, reactive, and incompatible wastes and any materials or other wastes they may potentially come into contact with inside the perimeter of the proposed permitted hazardous waste storage area.

Response: The information provided on handling practices for ignitable, reactive, and incompatible wastes has been updated and expanded to address all the requirements in the VHWMR and the canned comments checklist.

F-5(a) Precautions to Prevent Ignition or Reaction of Ignitable or Reactive Wastes

See § F-5, Prevention of Reaction of Ignitable, Reactive, and Incompatible Wastes, for requirements regarding this section.

Response: See Section F-5 response.

F-5(b) General Precautions for Handling Ignitable or Reactive Waste and Mixing of Incompatible Waste

See § F-5, Prevention of Reaction of Ignitable, Reactive, and Incompatible Wastes, for requirements regarding this section.

Response: See Section F-5 response.

F-5(c) Management of Ignitable or Reactive Wastes in Containers

See § F-5, Prevention of Reaction of Ignitable, Reactive, and Incompatible Wastes, for requirements regarding this section.

Response: See Section F-5 response.

F-5(d) Management of Incompatible Wastes in Containers

See § F-5, Prevention of Reaction of Ignitable, Reactive, and Incompatible Wastes, for requirements regarding this section.

Response: See Section F-5 response.

G. CONTINGENCY PLAN

G-1 General Information

Complete

G-2 Emergency Coordinators

Complete

G-3 Implementation

Complete

G-4 Emergency Actions

Complete

G-4(a) Notification

Complete

G-4(b) Identification of Hazardous Materials

Complete

G-4(c) Assessment

Complete

G-4(d) Control Procedures

Complete

G-4(e) Prevention of Recurrence or Spread of Fires, Explosions or Releases

Complete

G-4(f) Storage and Treatment of Released Material

Complete

G-4(g) Incompatible Waste

The required section regarding incompatible waste does not appear to be contained within the contingency plan dated December 5, 1995, that was submitted with the Part B Application package. This information must be submitted to DEQ for review and approval.

> **Response:** The requested information has been added as a new Section 5.c in the Contingency Plan, which is provided as Appendix G-1 to this permit application.

G-4(h) Post-Emergency Equipment Maintenance

Complete

G-4(i) Container Spills and Leakage

Complete

G-5 Emergency Equipment

Complete

G-6 Coordination Agreements

The required section regarding coordination agreements does not appear to be contained within the contingency plan dated December 5, 1995, that was submitted with the Part B Application package. This information must be submitted to DEQ for require and approval.

Response: The requested information has been added to Section 1.e in the Contingency Plan, which is provided as Appendix G-1 to this permit application. Copies of the Coordination Agreements are provided in Appendix G-2.

G-7 Evacuation Plan

Complete

G-8 Required Reports

Complete

H. PERSONNEL TRAINING

Response: Section H and its appendices have been updated to reflect current training requirements, courses, and job positions. The information also has been reorganized to follow the checklist.

H-1 Outline of the Training Program

Complete

H-1(a) Job Title/Job Description

Complete

H-1(b) Training Content, Frequency, and Techniques

Complete

H-1(c) Training Director

Complete

H-1(d) Relevance to Training to Job Description

Complete

H-1(e) Training for Emergency Response

This section must be resubmitted to include the required information listed in the canned comments to demonstrate that facility personnel are able to respond effectively to emergencies and are familiar with emergency procedures, emergency requirement, and emergency systems.

> **Response:** The requested information is provided in a new Section H-1e in the permit application.

H-2 Implementation of the Training Program

Complete

I. CLOSURE PLANS, POST-CLOSURE PLANS AND FINANCIAL REQUIREMENTS

I-1 Closure Plans

The closure plan that was submitted describes the closure of container storage bunkers (Buildings 2191, 2141, and 2142) as well as the hazardous waste container storage building that I believe is proposed for inclusion in the hazardous waste storage permit under consideration. The closure plan portion of the Part B Application must only address those hazardous waste container storage units that are proposed for inclusion in the permit to be issued by DEQ.

In general, the closure plan that was submitted in 1987 does not comply with current technical and regulatory standards. Examples of recently approved hazardous waste container storage closure plans that meet the required technical and regulatory standards are available from DEQ for perusal by Quantico Marine Base. The closure plans contained within the two Du Pont permits that I gave to Quantico for guidance are fairly recent and may be used for guidance in the development of a closure plan meeting the current regulatory and technical requirements.

> **Response**: The HWSF (Building 27401) is the only subject of this permit application. A revised closure plan addressing only the HWSF is provided as Appendix I-1 in the Part B permit application. Section I now provides only general introductory information and a table that cross-references VHWMR requirements with the location of the required information in the HWSF Closure Plan.

I-1(a) Closure Performance Standard

See § I-1, Closure Plans, Post-Closure Plans and Financial Requirements, for requirements regarding this section.

> **Response**: See Section I-1 response.

I-1(b) Partial Closure and Final Closure Activities

See § I-1, Closure Plans, Post-Closure Plans and Financial Requirements, for requirements regarding this section.

Response: See Section I-1 response.

I-1(c) Maximum Waste Inventory

See § I-1, Closure Plans, Post-Closure Plans and Financial Requirements, for requirements regarding this section.

Response: See Section I-1 response.

I-1(d) Schedule for Closure

See § I-1, Closure Plans, Post-Closure Plans and Financial Requirements, for requirements regarding this section.

Response: See Section I-1 response.

I-1(d)(1) Time Allowed for Closure

See § I-1, Closure Plans, Post-Closure Plans and Financial Requirements, for requirements regarding this section.

Response: See Section I-1 response.

I-1(d)(1)(a) Extension of Closure Time

See § I-1, Closure Plans, Post-Closure Plans and Financial Requirements, for requirements regarding this section.

Response: See Section I-1 response.

I-1(e) Closure Procedures

See § I-1, Closure Plans, Post-Closure Plans and Financial Requirements, for requirements regarding this section.

Response: See Section I-1 response.

I-1(e)(1) Inventory Removal

See § I-1, Closure Plans, Post-Closure Plans and Financial Requirements, for requirements regarding this section.

Response: See Section I-1 response.

I-1(e)(2) Disposal or Decontamination of Equipment, Structures and Soils

See § I-1, Closure Plans, Post-Closure Plans and Financial Requirements, for requirements regarding this section.

Response: See Section I-1 response.

I-1(e)(4) Closure of Containers

See § I-1, Closure Plans, Post-Closure Plans and Financial Requirements, for requirements regarding this section.

Response: See Section I-1 response.

J. CORRECTIVE ACTION FOR SOLID WASTE MANAGEMENT UNITS

This required section was apparently not included with the Part B Application that is undergoing review by DEQ. Enclosure V is the EPA canned comments guidance for Corrective Action for Solid Waste Management units at the Quantico facility. The sections addressing Corrective Action for Solid Waste Management Units in the two Du Pont Permits that I left with you during my November 5, 1996, visit to Quantico may also serve as guidance for developing the required information for this section.

Response: Solid Waste Management Unit (SWMU) identification and resolution has been an ongoing activity since 1988 when a RCRA Facility Assessment (RFA) was performed by contractors for the USEPA. Since the associated documentation has already been provided to both the Virginia Department of Environmental Quality and USEPA Region III, Section J provides only a brief history of the SWMU documentation and ongoing activities. Please refer to the appropriate documentation listed in Section J for additional details.

J-1 Solid Waste Management Units

See § J, Corrective Action for Solid Waste Management Units, for requirements regarding this section.

Response: See Section J response.

J-1(a) Characterize the Solid Waste Management Unit

See § J, Corrective Action for Solid Waste Management Units, for requirements regarding this section.

Response: See Section J response.

J-1(b) No Solid Waste Management Units

See § J, Corrective Action for Solid Waste Management Units, for requirements regarding this section.

Response: See Section J response.

J-2 Releases

See § J, Corrective Action for Solid Waste Management Units, for requirements regarding this section.

Response: See Section J response.

J-2(a) Characterize Releases

See § J, Corrective Action for Solid Waste Management Units, for requirements regarding this section.

Response: See Section J response.

J-2(b) No Releases

See § J, Corrective Action for Solid Waste Management Units, for requirements regarding this section.

Response: See Section J response.

K. OTHER FEDERAL LAWS

This section appears to meet the criteria for being complete, however it was submitted in 1987 and is out of date. The information regarding other Federal laws must be resubmitted to DEQ for review and must reflect current conditions at the Marine Base at Quantico.

Response: Section K has been updated and extraneous information has been deleted.

L. PART B CERTIFICATION

The Part B Application Certification appears to be missing from the Part B Application and the accompanying documentation. This Certification must be submitted to DEQ for review and approval.

Response: The Part B Certification has been added as Section L of the permit application.

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C. WASTE CHARACTERISTICS

The section presents the characteristics of the hazardous wastes stored at the Hazardous Waste Storage Facility (HWSF) and the Waste Analysis Plan, which provides for waste characterization (through generator knowledge or sampling and analysis) to support storage and disposition offsite. This information is submitted in accordance with the Virginia Hazardous Waste Management Regulations (VHWMR) Sections 11.5.B.2, 11.5.B.3, 10.1.D, and 15.

C-1 CHEMICAL AND PHYSICAL ANALYSES

The HWSF provides interim storage of hazardous wastes in containers pending recycling or offsite treatment or disposal, nonhazardous wastes awaiting recycling or disposition offsite, and asbestos-containing materials, polychlorinated biphenyls (PCBs), and PCB-contaminated materials awaiting shipment offsite for treatment or disposal.

C-1a Containerized Waste

Hazardous wastes generated at Marine Corps Base (MCB), Quantico are generated by a variety of Marine Corps and tenant activities. Wastes generated typically include solvents from cleaning operations, waste paint and paint-related materials, acids and bases from support equipment areas, excess reagents or chemicals that are still in their original containers, photographic solutions, batteries, and other assorted wastes. Most wastes are generated from day-to-day functions such as maintenance, photography, laboratory, and general office support activities. Some wastes are generated on a one-time or infrequent basis.

Most of the wastes generated at MCB, Quantico fall into one of the following groups:

- Halogenated solvents
- Nonhalogenated solvents
- Corrosives
- Contaminated petroleum, oils, and lubricants
- Paints and associated wastes
- PCBs and PCB-contaminated materials, known or suspected
- Toxic (organics and heavy metals)
- Flammable (petroleum-based or alcohol\solvent-based)
- Debris contaminated with the above
- Batteries (some reactive)
- Asbestos-containing materials
- Nonhazardous materials such as cleaning products and rags.

Table C-1 presents information on the hazardous wastes that have been stored at the HWSF. Because the waste streams generated vary from year to year, the actual waste streams received may vary and may include waste streams not specifically identified in this listing or may have a different combination of waste codes assigned depending on the specific constituents present. The waste codes included on the Part A permit application represent the range of waste types anticipated to be stored at the HWSF during its operating life. At all times, no hazardous waste will be accepted at the HWSF unless the waste code for the material to be stored at the HWSF is one of the applicable waste codes present on the Part A permit application.

Table C-2 presents a summary of non-VHWMR-regulated wastes typically received at the HWSF for storage.

A wide variety of containers are used to store waste at the HWSF. These include glass and plastic bottles (one-half ounce to five gallons) and steel, plastic, or fiberboard drums or containers (one gallon to 150 gallons). A detailed listing is provided in Section D-1a(1) of this application.

Wastes are packaged by the generator at the time of waste generation. Wastes are commonly brought to the HWSF by the generators in their original containers. For wastes that have otherwise been packaged or repackaged by the generator, the compatibility of the waste with the container is assessed by Natural Resources and Environmental Affairs Branch (NREAB) personnel prior to acceptance into the HWSF. For routinely generated waste streams, this assessment has been performed and acceptable packaging is set forth in the waste profile established by NREAB personnel based on information provided by the generator. For one-time or infrequently generated waste streams, a new waste profile is created by NREAB each time the waste is generated and must establish the appropriate packaging. NREAB personnel make this determination using Department of Transportation (DOT) packaging requirements applicable to the waste material's proper DOT shipping name(s) and DOT hazard class(es). Container selection reference guides published by reputable organizations such as Lab Safety Supply may also be used. NREAB personnel verify proper packaging of the waste at the time the generator presents the waste at the HWSF for storage. Packaging deemed incompatible with the waste will be corrected by the generator or will be overpacked.

C-1b Waste in Tank Systems - Not Applicable

C-1c Waste in Piles - Not Applicable

C-1d Landfilled Wastes - Not Applicable

C-1e Wastes Incinerated and Wastes Used in Performance Tests - Not Applicable

C-1f Wastes to be Land Treated - Not Applicable

C-1g Waste in Miscellaneous Treatment Units - Not Applicable

Table C-1. Wastes Stored at the HWSF

Waste Description	VHWMR Waste Codes	Hazard Characteristics Basis for Hazard Designation
Acetone	F003	Ignitable nonhalogenated solvent (spent)
Acetonitrile, tetrahydrofuran	D001	Ignitable
Acetonitrile, methanol	D001 F003	Ignitable
Acids - acetic, chromic, hydrochloric, nitric, phosphoric, sulfuric	D002	Corrosive with pH≤2
Adhesive/sealing compound	D001	Ignitable
Alcohols (various) including denatured, n-butanol, isopropanol, methanol, and ethanol	D001 F003	Ignitable
Aliphatic hydrocarbons	D001	Ignitable
Ammonium hydroxide	D002	Corrosive with pH≥12.5
Printing waste including ammonium thiosulfate, sodium carbonate, sodium sulfate, and silver	D002 D011	Corrosive with pH≥12.5 and toxic
Ammonium thiosulfate and sodium sulfate	D002	Corrosive with pH≥12.5
Asphalt coating	D001	Ignitable
Batteries - alkali	D002	Corrosive with pH≥12.5
Batteries - lithium	D003	Reactive with water

Table C-1. Wastes Stored at the HWSF (continued)

Waste Description	VHWMR Waste Codes	Hazard Characteristics Basis for Hazard Designation
Batteries - magnesium	D007	Toxic
Batteries - mercury	D009	Toxic
Batteries - NiCad	D006	Toxic
Bromonapthalene	D001	Ignitable
Butyl acetate	D001	Ignitable
Carbon disulfide	D001 F005	Ignitable
Caustic alkali liquid (DS-2)	D002	Corrosive with pH≥12.5
Chloroform	D022	Toxic
Chromium mask filters	D007	Toxic
Cleaner, lubricant, and preservative	F001	Toxic halogenated solvent (spent) from degreasing
Cleaning compound	D001 F003 F005	Ignitable, includes ignitable and toxic nonhalogenated solvents (spent)
Cleaning compound	D001	Ignitable
Cleaner, lubricant, and preservative/protectant liquids and contaminated rags, Q-tips, swabs, etc.	D008	Toxic
Copper sulfate	D002	Corrosive with pH≥12.5

Table C-1. Wastes Stored at the HWSF (continued)

Waste Description	VHWMR Waste Codes	Hazard Characteristics Basis for Hazard Designation
Corrosion prevention compound	D001 F002	Ignitable and includes toxic halogenated solvents (spent)
Cyanide solutions	D003	Reactive
n-Dimethyl formamide	D001	Ignitable
Engine gas path cleaner	F003 F005	Ignitable and toxic nonhalogenated solvents
Contaminated ethylene glycol gel	D018	Toxic
Formaldehyde	D001	Ignitable
Freon and Freon-contaminated materials	F002	Toxic halogenated solvents (spent)
Gasoline, gasoline mixed with oil/diesel, and gasoline mixed with water	D001 D018	Ignitable and toxic
Gasoline contaminated with lead and benzene	D001 D008 D018	Ignitable and toxic
Hexane	D001	Ignitable
Hydroethyl cellulose	D001	Ignitable
Kerosene	D001	Ignitable
Leachate from landfill	F039	Toxic
Lead-based paint	D008	Toxic

Table C-1. Wastes Stored at the HWSF (continued)

Waste Description	VHWMR Waste Codes	Hazard Characteristics Basis for Hazard Designation
Lead-contaminated materials (various) including patches, swabs, debris, soil, and water	D008	Toxic
Lead foil	D008	Toxic
Mercuric oxide and sulfuric acid	D009 D002	Toxic and corrosive with pH≤2
Mercury	D009	Toxic
Mercury thermometers (broken)	D009	Toxic
Mercury compounds (various) including mercuric chloride and mercuric diphenyl	D009	Toxic
Mercury fluorescent lamps	D009	Toxic
Methylene chloride	F002	Toxic halogenated solvent (spent)
Oil base paint	D001	Ignitable
Oil base paint and mineral spirits	D001	Ignitable
Oil base paint and petroleum distillates	D001	Ignitable
Paint chips and media-blasting material	D006 D007 D008	Toxic
Paint cleaning solvent and paint	F003 F005	Ignitable and toxic nonhalogenated solvents (spent)
Paint filters	D007	Toxic

Table C-1. Wastes Stored at the HWSF (continued)

Waste Description	VHWMR Waste Codes	Hazard Characteristics Basis for Hazard Designation
Paint-related waste	F003 F005	Ignitable and toxic nonhalogenated solvents (spent)
Perchloroethylene filters with liquid	F002 D039	Toxic halogenated solvent (spent)
Perchloroethylene-contaminated rags	F002 D039	Toxic halogenated solvent (spent)
Petroleum distillate	D001	Ignitable
Petroleum naptha	D001 D039	Ignitable and toxic
Phenol	U188	Toxic chemical product
Phenolic stripper (may be mixed with water)	F002 D007	Toxic metal and toxic halogenated solvent (spent)
Phosphoric acid, nitric acid, nickel nitrate, and manganese	D002 D007 D008	Toxic and corrosive with pH≤2
Photographic fixer and developer (pH 6-8)	D011	Toxic
Photographic fixer and developer (pH 12.5-14)	D002 D011	Toxic and corrosive with pH≥12 5
Potassium hydroxide	D002	Corrosive with pH≥12.5
Potassium iodide, chloroplatinic acid, hydrochloric acid	D002	Corrosive with pH≤2

Table C-1. Wastes Stored at the HWSF (continued)

Waste Description	VHWMR Waste Codes	Hazard Characteristics Basis for Hazard Designation
Silver diethyl dithio carbonate	D011	Toxic
Silver nitrate solution	D011	Toxic
S-K Immersion cleaner (#699) (monoethanolamine)	D006	Toxic
Sodium hydroxide, sodium nitrate, sodium carbonate, and sodium thiosulfate	D002	Corrosive with pH≥12.5
Sodium hydroxide	D002	Corrosive with pH≥12.5
Sodium hydroxide contaminated with lead	D002 D008	Corrosive with pH≥12.5 and toxic
Spill cleanup material from pesticides area	D004 D012	Toxic
Synthetic aliphatic hydrocarbons, methanol, ammonium nitrate, acetonitrile	D001 F003	Ignitable nonhalogenated solvent (spent)
Tetrachloroethylene	F002	Toxic halogenated solvent (spent)
Tetramethylsilane	D001	Ignitable
Tincture Benzoin	D001	Ignitable
Toluene	D001 F005	Ignitable and toxic nonhalogenated solvent (spent)
1,1,1-Trichloroethane	F001	Toxic halogenated solvent (spent) from degreasing

Table C-1. Wastes Stored at the HWSF (continued)

Waste Description	VHWMR Waste Codes	Hazard Characteristics Basis for Hazard Designation
Trichloroethylene	F002	Toxic halogenated solvent (spent)
Trichlorotrifluoroethane with silver	F002 D011	Toxic halogenated solvent (spent)
Vacuum oil, contaminated	D001	Ignitable

Table C-2. Other Wastes and Materials Stored at the HWSF

Non-VHWMR Wastes and Hazardous Materials Stored at the HWSF
Asbestos materials (e.g., brake pads, tiles)
Gasoline fuel filters (dry)
Grease
Latex paint
Motor oil (recycling)
Oil/diesel fuel filters (recycling)
Oil/diesel spill cleanup material (solid, liquid)
Q-tips and patches
PCBs and PCB-contaminated materials
Propanol
Rags, dirty
Refrigeration oil
Silver recovery cartridge (dry)
Skysol parts cleaner
Sodium hydroxide (pH 7-11)
Tire sealant
Cleaning compound MR (soap and water)

C-1h Waste In Boilers and Industrial Furnaces - Not Applicable

C-2 WASTE ANALYSIS PLAN

The Waste Analysis Plan for the Hazardous Waste Storage Facility is provided in Appendix C-1. The intent of the Waste Analysis Plan is to provide for proper waste characterization and storage pending disposition offsite in accordance with VHWMR and MCB, Quantico requirements. The Waste Analysis Plan was prepared in accordance with the VHWMR Sections 10.1.D, 11.5.B.3, and 15. Table C-3 cross-references the VHWMR requirements and the location of the information in the HWSF Waste Analysis Plan.

Table C-3. Cross-Reference of Regulatory Requirements for Waste Analysis Plans

Regulatory Requirement	Location in HWSF Waste Analysis Plan
Parameters and Rationale	Section B.3
Test Methods	Section B.4
Sampling Methods	Section B.5
Frequency of Analysis	Section B.6
Additional Requirements for Wastes Generated Offsite	Section E
Additional Requirements for Ignitable, Reactive, or Incompatible Wastes	Section B
Waste Analysis Requirements Pertaining to Land Disposal Restrictions	Sections B and D
Notification, Certification, and Recordkeeping Requirements	Section F
Requirements Pertaining to the Storage of Restricted Wastes	Sections B and D

APPENDIX C-1

WASTE ANALYSIS PLAN FOR THE HAZARDOUS WASTE STORAGE FACILITY

WASTE ANALYSIS PLAN
FOR THE
HAZARDOUS WASTE STORAGE FACILITY

Revision 1
July 1997

Environmental Affairs Section
Natural Resources and Environmental Affairs Branch
Marine Corps Base, Quantico, VA

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WASTE ANALYSIS PLAN

In accordance with the requirements of Virginia Hazardous Waste Management Regulations (VHWMR) §10.1.D. and 11.5.B.3, the following is a description of the Hazardous Waste Storage Facility (HWSF), the types of hazardous wastes stored by Marine Corps Base (MCB), Quantico, and the waste analysis plan. This Plan was developed to ensure that MCB, Quantico has sufficient information to determine if wastes are hazardous in accordance with the Virginia Department of Environmental Quality (DEQ) and the Resource Conservation and Recovery Act (RCRA) requirements, to establish proper placement within a compatibility group preventing mixing of incompatible wastes, to properly manage the wastes at the HWSF, to identify waste hazard classes as defined by the Department of Transportation (DOT), and to provide identification needed by transporters and treatment and disposal facilities to comply with RCRA.

A. FACILITY DESCRIPTION

MCB, Quantico is located approximately 35 miles south of Washington, DC, and approximately 12 miles north of Fredericksburg, Virginia, along the west bank of the Potomac River. MCB, Quantico consists of slightly more than 60,000 acres in Prince William, Stafford, and Fauquier Counties. The population of the installation is over 13,000.

The MCB, Quantico mission is to respond to the needs of the Marine Corps by translating the requirements into equipment, structure, training, education, and doctrine. This includes developing training and education policy for the Marine Corps; providing training, training resources, and education for Marines; and developing Marine Corps concepts, plans, and doctrine. MCB, Quantico includes the Marine Corps University, the Marine Corps War College, and the Command and Staff College. In addition, MCB, Quantico provides functional support for executing the overall Quantico mission including, but not limited to, personnel administration, facilities, logistic, financial, security, public information, legal, Base operating, training, administrative, morale, welfare, and recreation support for Marine Corps and tenant organizations. MCB, Quantico includes an operational airfield supporting Executive Branch aviation requirements and tenant operations such as the Federal Bureau of Investigation (FBI) Academy.

The HWSF provides for storage of hazardous wastes pending recycling or offsite treatment or disposal, nonhazardous wastes awaiting recycling or disposition offsite, and asbestos-containing materials, polychlorinated biphenyls (PCBs), and PCB-contaminated materials awaiting shipment offsite for treatment or disposal. The HWSF is located 3.1 miles west of I-95. It consists of a main storage building with 7 storage bays and a central storage area, an exterior concrete and asphalt unloading area, an office, and an annex for nonhazardous waste, hazardous

materials (e.g., grease), and additional supplies for hazardous waste management and spill response operations. The HWSF interior also includes areas for consolidating paint waste and puncturing aerosol cans.

The HWSF is equipped with a secondary containment system including curbing and trenches to collect waste in the event of a spill. The HWSF accepts wastes in a range of container sizes up to 150 gallons. Incompatible wastes are segregated by placing waste in different storage bays or by physical separation by rows of compatible waste to prevent mixing in the event of a spill, leak, or other accidental release. Nonhazardous and PCB wastes are also segregated from other wastes in storage.

Hazardous wastes at MCB, Quantico are generated by a variety of Marine Corps and tenant activities. Wastes generated typically include solvents from cleaning operations, waste paint and paint-related materials, acids from support equipment areas, excess reagents or chemicals that are still in their original containers, and other assorted wastes. The wastes are largely generated from uniform and controlled industrial processes and therefore retain consistent physical and chemical properties from batch to batch. Some wastes are generated on a one-time or infrequent basis.

Most of the wastes generated at MCB, Quantico fall into one of the following waste groups:

Halogenated solvents
Nonhalogenated solvents
Corrosives
Contaminated petroleum, oils, and lubricants
Paints and associated wastes
PCBs and PCB-contaminated materials, known or suspected
Toxic (organics and heavy metals)
Flammable (petroleum-based or alcohol/solvent-based)
Debris contaminated with the above
Batteries (some reactive)
Asbestos materials
Nonhazardous materials such as cleaning products and rags.

These wastes are delivered by the generators to the HWSF from the less than 90 day storage sites and satellite accumulation areas within MCB, Quantico until contractors pick them up for offsite disposition. The amounts of wastes generated, recycled, and disposed are reported annually to the Naval Energy and Environmental Support Activity, to the Environmental Protection Agency (EPA), and to the Virginia DEQ.

B. WASTE ANALYSIS PLAN

Waste characterization is conducted by the generator at the point of generation and provided to the Environmental Affairs Section of the Natural Resources and Environmental Affairs Branch (NREAB) as specified in this Waste Analysis Plan. Containers of waste

are not placed in the HWSF until adequate characterization data have been obtained and the waste has been properly classified. In some circumstances, unknown wastes may be received at the HWSF pending receipt of analytical results (refer to Section C for additional detail). Waste characterization may be through generator knowledge or sampling and analysis of the waste stream. For hazardous wastes, only wastes with the waste codes specified in the permit may be stored at the HWSF.

1. Initial Hazardous Waste Determination

MCB, Quantico requires wastes to be accurately identified by the generating organization, which also has the responsibility for proper packaging, labeling, and transportation of their waste to the HWSF for storage pending final disposition. In most cases, the generator's understanding of the waste generating process and of the raw materials used is sufficient to satisfactorily identify the waste and preclude the need for costly analytical services. In other cases, the waste is simply an unused hazardous material with an expired shelf life that is easily identifiable through labels, container markings, or manufacturer's specifications. Laboratory analysis is used as needed to supplement or verify the generator's description or to characterize unknown waste. Acceptable characterization methods are established in Section B.4 of this Plan.

In characterizing a waste, the generator must identify the chemical constituents. This may be accomplished by referring to the Department of Defense (DOD) Hazardous Material Information System (HMIS), a suitable Material Safety Data Sheet (MSDS), or similar documentation. The HMIS and MSDS data sheets will identify the various constituents in the waste and allows comparison with the lists of wastes under VHWMR §3.5-3.10 and §6.1. To a large extent, this assessment is based on user knowledge of the waste.

If the chemical constituents of the waste are not shown in the HMIS or if the waste is from a process for which there is no MSDS, no entry in the HMIS (e.g., mixed paint waste), or no other information resource, then the waste must be sampled and analyzed as set forth in Sections B.3, B.4, and B.5 of this Plan. Unused materials or expired shelf life materials in unopened containers will not undergo sampling and laboratory analysis unless container markings have been destroyed.

Any requests for analysis must be submitted to the Environmental Affairs Section of the Natural Resources and Environmental Affairs Branch (NREAB).

Abandoned chemicals and chemicals in containers that have lost their labels or markings and are otherwise not identifiable by user knowledge or from a known source shall be considered as unknowns and managed as such. This includes stenciling the container with the words "UNKNOWN Pending Analysis (date)" and isolating the unknown from other types of hazardous waste or

Table 1
Parameters for Hazardous Waste Characterization
and Rationale for Selection (continued)

Parameters	Rationale for Selection
Listed Wastes	Determine if waste is listed waste under VHWMR. Determine LDR applicability. Determine any special handling or segregation requirements.
Physical State	Determine the presence of free liquids. Determine proper treatment and/or disposal requirements.
Chemical Constituents	Determine special handling, storage, and transport requirements.
Incompatibility	Ensure waste compatibility with storage container. Ensure incompatible wastes are not placed in the same container. Determine segregation requirements during storage. Compatibility determinations will be made using VHWMR Appendix 10.5 and A Method for Determining the Compatibility of Hazardous Wastes, EPA-600/2-80-076.
Prohibited Materials (radioactive, ordnance, biological, or pathogenic wastes)	These wastes are not accepted at the HWSF.
PCBs (including PCB-contaminated materials)	Require segregation and storage in the HWSF central storage area in compliance with 40 CFR 761.
Nonhazardous materials	Require segregation.

The generator selects the appropriate parameters for waste characterization based on knowledge of the waste source. Thus, not all of the parameters identified in Table 1 will be selected for each waste stream. All generator waste characterization information undergoes review by the Environmental Affairs Section of NREAB. Based on this review, the Environmental Affairs Section may specify additional waste characterization parameters.

Characterization of unknown waste is addressed in Section C.

4. Characterization and Analytical Methods

Most of the waste streams received at the HWSF are characterized through generator knowledge because the waste streams are routinely generated from known processes. This waste characterization information is supplied by the generator to NREAB in order to establish waste profiles as described in Section 2.

Generator/process knowledge information acceptable for waste characterization includes, but is not limited to:

- DOD HMIS - provides detailed and specific information on all products purchased through the Marine Corps supply system. The HMIS is indexed by NSN, chemical manufacturer, product nomenclature, and EPA identification number. The HMIS is updated quarterly and a fully revised CD-ROM is published annually.
- MSDSs.
- Chemical Specifications - from the purchase specifications of the particular chemical, from product information provided by the manufacturer, on the labels for the particular chemical, or standard chemical reference documents for "pure" chemicals where the material contents and characteristics are well known (e.g., hydrochloric acid).
- Process Description - pertinent details of the process generating the waste and the chemicals used that may have generated the particular waste need to be described.

Other information sources may be used as long as they can provide detailed information on the chemical constituents present, chemical concentrations, and material characteristics (physical state, ignitability, etc.) as defined in Table 1.

Sampling and analysis of waste streams is performed when no other information is available or where additional information is required for waste characterization or for offsite treatment or disposal. In such cases, the analytical methods to be used are those specified in EPA Publication SW-846, Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods, third edition, as amended, and VHWMR Appendix 3.4. Other EPA-approved methods may be used on a case-by-case basis with prior approval of the Environmental Affairs Section of the NREAB. The hazardous waste constituent concentration will be determined based on the lowest estimated practical quantification limits.

5. Sampling Methods

When sampling and analysis is conducted for waste characterization, the sampling methodology presented below must be followed.

a. Sampling Techniques. Due to the physical and chemical variations of the wastes that could be received at the HWSF, sampling techniques will differ among the waste streams. Waste streams may be mixtures or non-uniform; therefore, care must be taken to obtain a representative sample. This includes consideration of the uniformity of the waste in a container and to variations in waste generation that may cause the waste stream to change.

The appropriate sampling technique is selected based on knowledge of the waste matrix (solid, liquid, sludge) and the specific analytes of interest. Liquids and sludges are the most common forms of hazardous waste at MCB, Quantico. For these wastes, the sampling equipment or devices used may include glass pipettes, bailers, drum thief, or composite liquid waste sampler (COLIWASA). These devices collect material throughout the depth of liquid in a container, assuring a representative sample.

Samples from solids and semi-solids may be obtained by spatulas, corers, chisels, scrapers, etc., as appropriate to the material. The sample should closely approximate the physical composition of the source so that the sample represents the chemical whole accurately.

For all wastes, except mixed paint wastes, a single sample (top to bottom) is collected from a container. Samples from multiple containers of the same waste will be composited for analysis (except for non-uniform or layered wastes). For samples to be analyzed for volatile organics, grab samples will be collected and will not be composited.

Mixed paint waste is sampled by compositing three grab samples, one each from the top, middle, and bottom of the container. Samples from multiple containers of mixed paint wastes are not composited.

The sampling methods and equipment will in all cases adhere to guidance provided in EPA SW-846 and VHWMR Appendix 3.2.

b. Sample Containers and Preservation. Sample container selection is critical to sample quality. Sample container selection must conform to the methodology outlined in EPA SW-846, Section 9.2.2.4, and must consider analytes of interest, durability, volume, and compatibility. Except for volatile analyses and some solvents and oils, a plastic one quart bottle is best. Corrosive samples must not be placed in metal containers.

Sample preservation will be in accordance with EPA SW-846.

c. Sampling Procedure. The basic sampling procedure is as follows:

1. Don any personal protective equipment (e.g., gloves, goggles, shields, etc.) required for the particular waste to be sampled.

2. Ensure the sampling device is clean and functioning properly.

3. Collect sufficient sample volume for all analyses with minimum disturbance of the waste matrix. The collection protocol will be specific to the sampling device used and waste matrix being sampled.

4. Fill sample containers in the following sequence: headspace volatile organics, volatile organics, semivolatile organics, metals, ignitability, pH (corrosivity), reactivity.

5. Add any required preservatives.

6. Label sample containers.

7. Properly clean and decontaminate sample containers (exterior), the sampling equipment, and any personal protective equipment used.

8. Custody-seal all sample containers.

9. Protect and secure samples in a durable shipping container (e.g., cooler or comparable receptacle) for transport to the laboratory. Add ice if required for sample preservation.

10. Complete the chain-of-custody and any request-for-analysis forms.

11. Review all paperwork and enclose the forms in the shipping container.

12. Seal and mark the shipping container in accordance with DOT requirements.

13. Transport samples to the analytical laboratory.

A single duplicate sample will be taken from each waste batch or container sampled to serve as a duplicate sample, as needed.

d. Sample Labeling, Handling, and Transport. All samples will have labels with a unique identifier code, date/time of collection, sample collector's name, preservatives used, and analyses requested.

Sampling activities will be documented and strict chain-of-custody records will be maintained. The chain-of-custody procedures in EPA SW-846, Volume II, Section 9.2.2.7, will be followed. Each person who handles the sample will, upon receipt, sign and date the chain-of-custody record (up to and including sample receipt at the laboratory).

Samples are sent to offsite laboratories in a timely manner to ensure sample receipt at the laboratory is within the applicable holding time. Hazardous waste samples must be properly packaged, marked, labeled, and transported in accordance with EPA, VHWMR, DOT, and DOD requirements. Shipping papers are prepared as required by DOT and VHWMR. Sample packaging must be in accordance with VHWMR §3.1.D.

In accordance with VHWMR §3.1.D, the transport of a sample collected for the sole purpose of testing to determine its characteristics or composition is not subject to the VHWMR when the sample is being transported to or from a laboratory, or while in temporary storage after testing for a specific purpose.

Sampling information, custody records, and analytical results are submitted to NREAB for review and approval.

6. Frequency of Analysis

The characterization of routinely generated wastes will be re-evaluated annually, at a minimum, and whenever there is a change in the generating process (i.e., raw materials and/or process equipment) or any indication that the hazardous waste brought to the HWSF does not match the waste designated on the accompanying documentation or labels. Since the painting, cleaning, and maintenance activities that typically generate wastes at MCB, Quantico do not usually change significantly, only a change in chemicals or the process used is likely to alter the characteristics of the waste stream.

Wastes generated on an infrequent or one-time basis, such as unused, partially used, or expired shelf life materials, will be characterized each time they are generated.

7. Quality Assurance/Quality Control Methods

Commercial laboratories retained to conduct hazardous waste analyses are required to submit a written quality assurance plan for review by MCB, Quantico. This plan must include procedures that assure equipment, standards, reagents, gases, and containers are organized, operated, and maintained properly. The plan must also detail steps to assure personnel are trained on the analytical methods to be used and require that bound logs be kept for every analytical test equipment apparatus. Sample chain-of-custody procedures must be clearly documented. Data handling must be reliable and represent the original sample and the analytical method. Laboratory notebooks must be continuously maintained with complete information and periodically reviewed by

the laboratory manager. Laboratories must reference and certify that their procedures comply with EPA SW-846.

The laboratory must certify its use of the methods specified in this Waste Analysis Plan and must be able to provide, upon request, documentation of acceptable quality assurance/quality control procedures. Acceptable documentation will include compliance with the quality control section of EPA SW-846.

All data transmittals to MCB, Quantico will be in report form with accompanying appendices where needed. Original instrumentation charts, strip charts, and other analytical device products/records will be retained for at least five years and made available to MCB, Quantico upon request.

C. CHARACTERIZATION OF UNKNOWN WASTE

Occasionally there may be containers of unidentified waste at MCB, Quantico. The materials may be unidentified due to the loss of container markings or to other causes. Unknown waste may be stored in a less than 90 day area maintained under VHWMR §6.4.E requirements. Exceptions to place unknown waste in the HWSF may be granted following formal requests for a waiver, which must be submitted to the Head, NREAB.

The generator must isolate the unknown waste and prevent anyone from adding to it, which would invalidate the results of the investigation or any laboratory tests that may be conducted. The general appearance of the waste and other physical properties along with user knowledge of the generating process will be used to ultimately select any tests required to characterize the unknown waste.

The generator must label the waste as "Unknown Pending Analysis" (or comparable language). The generator should also identify on the container any known details such as the date found.

The following procedure is used to determine whether the material is a hazardous waste:

a. Record all marks on the container, particularly an NSN, product name, or chemical name.

b. If an NSN is found, locate the NSN in the HMIS CD-ROM. The computer database will contain specific information (i.e., color, appearance, pH, specific gravity, etc.), which should be compared to the unknown material. This may eliminate the need for extensive analytical testing. For instance, if the HMIS indicates that the material should have a pH of 4.0 and a specific gravity of 1.3, a laboratory can quickly check these parameters. If the unknown material matches these, then the unknown is the material identified by the NSN on the container. If no NSN is present, but a product name is located on the container, use the same procedure checking the product name cross-reference to the HMIS. If only a

chemical name is present, information on the physical properties of chemicals can be found in Dangerous Properties of Industrial Materials, Irving Sax, editor (Van Nostrand Reinhold Co.), the Fire Protection Guide to Hazardous Materials (National Fire Protection Association, Boston, MA), or equivalent reference materials. The MSDSs on file in MCB, Quantico's Safety Office may also be used to obtain information on the chemical and physical properties of hazardous materials.

c. If the material has been determined to be the same as the container markings, use the HMIS or other information sources to determine the following:

1. Is the pH less than or equal to 2.0?

2. Is the pH greater than or equal to 12.5?

3. Is the flash point less than 140°F?

4. Is the material an oxidizer?

5. Does the material react violently with water?

6. Does the material contain metals, organics, or pesticides? If so, toxicity characteristic leaching procedure (TCLP) laboratory tests will be conducted to determine if the material is a hazardous waste.

7. Does the material contain any chemical listed in the VHWMR Appendix 3.1, Table 3.1-1?

8. Is the material a pure form of any chemical listed in VHWMR Appendix 3.1, Table 3.1-3 or Table 3.1-4?

9. Does the material exhibit hazardous waste characteristics as identified in VHWMR §3.6 through 3.10?

A "yes" to any one or more of the above means the material is a hazardous waste. All applicable hazardous waste codes must be identified.

d. If the material does not match the container markings, it is necessary to perform laboratory tests to determine if the waste is hazardous waste. MCB, Quantico will have a competent laboratory perform an analysis on a representative sample of the waste using the methodology identified in Sections B.3, B.4, and B.5 of this Waste Analysis Plan. If the waste fails one or more of the characteristic tests, then it is a hazardous waste. If the unknown waste is not a

characteristic hazardous waste, then MCB, Quantico may have the laboratory identify the specific constituents in the waste. All applicable hazardous waste codes must be identified.

Extreme caution will be used when handling unknown wastes. These wastes are assumed to be hazardous until proven otherwise.

All sampling and analysis will be conducted in accordance with the methodology and requirements established in Section B of this Waste Analysis Plan. Additional tests may be required on a case-by-case basis. For instance, an analysis for PCBs may be necessary prior to disposal of unknown waste.

D. WASTE ANALYSIS REQUIREMENTS PERTAINING TO LAND DISPOSAL RESTRICTIONS (LDRs)

VHWMR prohibits the land disposal of certain types of wastes. The hazardous wastes stored at the HWSF fall within the purview of these LDRs. The waste analysis requirements set forth in Section B of this Waste Analysis Plan were developed to collect the necessary information to fulfill both waste characterization and LDR requirements. Wastes are characterized before acceptance into the HWSF for storage ("unknowns" are a special case as described in Section C). Waste characterization data are evaluated to identify all applicable hazardous waste codes, treatment standards, and LDR notifications and certifications required. Where a waste has more than one hazardous waste code or overlapping hazardous waste codes, the most stringent LDR treatment standard is applied.

Containers of waste received for storage are clearly marked as to their contents and their accumulation start date. The HWSF provides storage for wastes pending shipment offsite. Wastes subject to LDR requirements must be shipped within one year of receipt at the HWSF.

For shipment offsite, all wastes are properly characterized, containerized, and labeled. Each waste shipment offsite is accompanied by the manifest and all applicable LDR notifications and certifications for the wastes.

E. ADDITIONAL REQUIREMENTS FOR WASTES GENERATED OFFSITE

MCB, Quantico does not accept hazardous wastes from offsite generators.

F. RECORDKEEPING

This Waste Analysis Plan will be revised whenever:

- Test methods are changed
- Waste streams or process operations are modified, thus requiring a change in the parameters to be tested

- Referenced personnel, organizations, or procedures change
- Regulations affecting the Plan change.

Records associated with waste characterization and analysis, including waste profiles, DD Form 1348-1, LDR notifications and certifications, and all supporting data used to make the hazardous waste determination, are maintained by the Environmental Affairs Section of the NREAB for at least 5 years. NREAB records also include description and quantity of each waste received, dates of storage, quantity and location of waste within the HWSF, and an annual certification that a waste minimization program is in place to reduce the volume and/or toxicity of wastes generated. Laboratory documents are maintained at the laboratories conducting waste analyses.

RCRA-9

AUGUST 14, 1997

QUANTICO PROFILE SHEETS, 1997

QA-1 ADHESIVE/SEALING COMPOUND: FSC=8040 EPA=DOO1 SITE=FMB, MWR CLIN=9101 PRICE=$1.30
QA-2 MERCURY: 6810 D009 NMC, FBIL, 9401MM, $7.00
QA-3
QA-4N ASBESTOS BRAKE PADS: 2940 MTM ETS 9904 $0.40
QA-5N ASBESTOS TILES: 2940 FMB MWR 9904 $0.40
QA-6
QA-7 CHROMIUM MASK FILTERS: 9999 D007 TBSI 9404 $0.68
QA-8 OIL/DIESEL MIXED WITH GASOLINE: 9130 DOO1 DO18 MTM FMB MWR 9102 $0.50
QA-9 GASOLINE & WATER: 9130 DOO1 D018 MTM FMB MWR 9102 $0.50
QA-10N OIL/DIESEL SPILL CLEAN-UP (SOLID): 9999 FMB MTM GUAD MWR HMX WTB 9904 $0.40
QA-11N LATEX PAINT: 8010 FMB MWR 9902 $0.45
QA-12 LITHIUM BATTERIES: 6135 D003 COS TBS TBS HMXS 9304LL $5.75
QA-13 MERCURY BATTERIES: 6135 D009 COS TBS HMXS 9404 $0.68
QA-14 BROKEN MERCURY THERMOMETER: 6810 D009 NMC 9401MM $7.OO
QA-15 NICAD BATTERIES: 6135 D006 COS TBS HMXS 9404NC $0.75
QA-16 OIL BASE PAINT: 8010 D001 FMB MWR MUS HMXS NMC 9102 $0.50
QA-17 PAINT CHIPS & MEDIA BLASTING MATERIAL: 8010 D006 D007 D008 MUS MWR 9404 $0.68
QA-18
QA-19
QA-20 PHOSPHORIC ACID + NITRIC ACID + NICKEL NITRATE + MANGANESE: 6810 D002 DOO7 D008 WTB 9202 0.56
QA-21
QA-22
QA-23 SODIUM HYDROXIDE + SODIUM NITRATE + SODIUM CARBONATE + SODIUM THIOSULPHATE: 6850 D002 WTB 9202 $0.56
QA-24 SODIUM HYDROXIDE: 6850 D002 WTB 9202 $0.56
QA-25 OIL/DIESEL SPILL CLEAN UP (LIQUID): 9999 FMB MTM GUAD MWR WTB ETS 9902 $0.45
QA-26N FUEL FILTERS: 2940 FF 9904 $0.40
QA-27
QA-28 SKYSOL PARTS CLEANER: F003, F005 6850 FBI 9402 $0.68
QA-29 Q-TIPS & PATCHES: 9^99 D008 FBI 9404 $0.68
QA-30 MAGNESIUM BATTERIES: 6135 D007 COS TBS HMXS 9404 $0.68
QA-31 PETROLEUM NAPTHA (SAVIN TONER WASTE): 6810 D009, D010, D018, D022, SAVIN CORP. 9402, $0.68
QA-32 TOLUNE, DIMETHYLDICHLOROSILANE: 6850 D001 F005 FBI 9102 $0.50
QA-33 METHANOL, ACETONITRIL, ACETONE: 6850 D001 F003 FBI 9102 $0.50
QA-34 METHYLENE CHLORIDE: 6850 F002 FBI 9402 $0.68
QA-35 CHLOROFORM, ANTIMONY PENTACHLORIDE: 6850 D022 FBI 9404 $0.68

QA-36 SODIUM DICHROMATE: 6850 D007 9401 $0.65
QA-37 BARIUM CHLORIDE: 6850 D005 9401 $0.65
QA-38N SYNTHETIC ALIPHATIC HYDROCARBON: 9901 $1.40
QA-39N AMMONIUM SALT: 9901 $1.40
QA-41 CLEANING COMPOUND: 6850 D002 9202 $0.56

EA-1
EA-2
EA-3 CORROSION PREVENTION COMPOUND: 6810 F001 F002 HMX 9402 $0.68
EA-4
EA-5
EA-6N GREASE: 9150 TBST MTM HMX HMXS 9902 $0.45
EA-8N MOTOR OIL (RECYCLING): 9150 MTM FMB HOB TBSM TBST FBIM HMX 9902RR $0.48
EA-9 OIL BASE PAINT, MINERAL SPIRIT (RECYCLING): 8010 D001 FMB MWR NMC 9102RR $0.54
EA-10 PETROLEUM DISTILLATE: 6850 D001 REC 9102RR $0.54
EA-11
EA-12 S-K IMMERSION CLEANER (MONOETHANOLAMINE): 6810 D006 AOTB
EA-13 S-K PREMIUN SOLVENT (PETROLEUM NAPTHA): 6810 D001 D039 AOTB
EA-14N OIL/DIESEL FUEL FILTERS (RECYCLING): 2940 AOTB
EA-15N SILVER RECOVERY CARTRIDGES (DRY): 9999 NMC DENT
EA-16 CLEANER, LUBRICANT & PRESERVATIVE: 9150 F001 OCSA 9502 $0.58
EA-17 HYDROCHLORIC ACID: 6810 D002 FBI 9202 $0.56
EA-18 SULFURIC ACID: 6810 D002 D008 FBI MTM NMC 9202 $0.56
EA-19 PHOSPHORIC ACID: 6810 D002 FBI 9202 $0.56
EA-20N MANGANOUS SULPHATE 6850 9901 $1.40

PART I

A. GENERAL INFORMATION EMB, MWR, MUS, HMXS, NMC WASTE PROFILE NO. QA-16

1. GENERATOR NAME
Marine Corps Combat Development Command

RCRA-10

2. FACILITY ADDRESS
NREA Branch, Facilities Division B046
3040 McCawley Avenue
Quantico, Virginia 5. ZIP CODE 22134-5030

3. GENERATOR USEPA ID
VA1170024722

4. GENERATOR STATE ID
VA 1170024722

6. TECHNICAL CONTACT
Bhasker K. Thaker

7. TITLE
Env. Eng. Tech.

PHONE
(703) 784-4030

B. 1. NAME OF Oil Base Paint

2. USEPA / or / STATE WASTE CODE(D001

3. PROCESS GENERATING WASTE Painting Operation

4. PROJECTED ANNUAL VOLUME / UNIT 5000 lbs / yr 5. MODE OF COLLECTION

6. IS THIS WASTE A DIOXIN LISTED WASTE AS DEFINED IN 40 CFR 261.31 (e.g. F020, F021, F022, F023, F026, F02 F028)? ☐ YES ☒ NO

7. IS THIS WASTE RESTRICTED FROM LAND DISPOSAL (40 CFR ☒ YES ☐ NO
HAS AN EXEMPTION BEEN ☐ YES ☒ N
DOES THE WASTE MEET APPLICABLE TREATMENT STANDARDS? ☐ YES ☒ NO REFERENCE STANDARDS

PART II

1. MATERIAL CHARACTERIZATION
(OPTIONAL-NOT REQUIRED DATA)

COLOR Various color paint

DENSIT BTU / 6-12K

TOTAL SOLIDS < 50 ASH

LAYERING: ☐ MULTILAYERED ☐ BILAYERED ☐ SINGLE

2. RCRA CHARACTERISTICS

PHYSICAL STATE: ☐ SOLID ☐ LIQUI ☒ SEMI-SOLI ☐ GAS ☐ OTHER

TREATMENT ☐ WASTEWATE ☐ NON-WASTEWATER

☒ IGNITABLE (D001 ☐ REACTIVE (D003)
FLASH POINT 64-80 ☐ WATER REACTIVE
☐ HIGH TOC (> ☐ CYANIDE REACTIVE
☐ LOW TOC (< ☐ SULFIDE REACTIVE
☐ CORROSIVE ☐ TOXICITY CHARACTERISTIC *(SEE REVERSE-FOR LISTING)*
pH
☐ CORRODES STEEL

3. CHEMICAL COMPOSITION (ppm or mg/L)

COPPER PHENOLICS
NICKEL TOTAL HALOGENS
ZINC VOLATILE ORGANICS
CHROMIUM HEX PCBs
(OTHER)

NOTE: EXPLOSIVE, SHOCK SENSITIVE, PYROPHORIC, RADIOACTIVE, AND ETIOLOGICAL WASTES GENERALLY ARE NOT ACCEPTED BY THE DRMO.

4. MATERIAL COMPOSITION

COMPONENT	CONCENTRATION	RANGE
Oil-based paint	60-100%	
Non Hal. solvent	0 - 40%	

TOTAL 100

5. SHIPPING INFORMATION
DOT HAZARDOUS MATERIAL? ☒ YES ☐ NO

PROPER SHIPPING NAME
Waste Paint, Flammable Liquid, UN 1263

HAZARD CLASS 3 U.N. OR N.A. NO UN 1263

ADDITIONAL DESCRIPTION

METHOD OF SHIPMENT ☐ BUL ☒ DRU ☐ OTHE

CERCLA REPORTABLE QUANTITY (RQ)
EMERGENCY RESPONSE GUIDE PAGE

DOT PUBLICATION 5800.4 PAGE EDITION (YR)

SPECIAL HANDLING INFORMATION

6. GENERATOR CERTIFICATION

BASIS FOR INFORMATION

☒ CHEMICAL ANALYSIS *(ATTACH TEST RESULTS)*

☒ USER KNOWLEDGE *(ATTACH SUPPORTING DOCUMENTS - Explain how and why these documents comply with RCRA requirements)* MLM-49-0465-RB(G), 49 CFR Ch1,

I, Bhasker K. Thaker HEREBY CERTIFY THAT ALL INFORMATION SUBMITTED IN THIS AND ALL ATTACHED DOCUMENTS IS TO THE BEST OF MY KNOWLEDGE AN ACCURATE REPRESENTATION OF THE WASTE TURNED INTO THE DRMO. ALL KNOWN OR SUSPECTED HAZARDS HAVE BEEN DISCLOSED.

SIGNATURE OF GENERATOR'S REPRESENTATIVE B.K. Thaker DATE 5/15/97

UNITED STATES MARINE CORPS
MARINE CORPS BASE
MARINE CORPS COMBAT DEVELOPMENT COMMAND
QUANTICO, VIRGINIA 22134-5000

IN REPLY REFER TO

Sample Paint & Thinner

Date 4 Apr 97

Time 1300

Collected By: B. Thaker

Analysis	Method Number	Method Detection Limit	Result	Analysis/ Date/Time
Flash	ASTM D 93-90	1° F	< 80° F	NB-04/07/97 @1030

Kristine M. Stein
Chemist

FSC#	COMMON NAME	PROPER D.O.T. SHIPPING NAME, HAZARDOUS CLASS, UN/NA NUMBER	EPA WASTE #	RQ (lbs)	DOT LABEL	HAZARDOUS PROPERTIES
6810	Nitric Acid	Waste, Nitric acid, Corrosive Material, UN 1760	D002	1000	Corrosive	Corrosive *
6850	Nitrite	Waste, Nitrites, inorganic N.O.S., Oxidizer, UN 2627	D001	-	Oxidizer	Flammable
6850	Octane	Waste, Octane, Flammable liquid, UN 1262	D001	-	Flammable Liquid	Flammable
9150	Oil, Waste (various weights)	Waste, Oil, NA 1270	-	-	None	Toxic
2940	Oil Filters (Waste)	Hazardous waste solid, N.O.S., ORM-E, NA 9189	-	-	None	Toxic
9150	Oily/Greasy Rags	Hazardous waste solid, N.O.S., ORM-E, NA 9189	-	-	None	Toxic
6850	Organic Peroxide	Waste, Organic peroxide, liquid N.O.S., Organic Peroxide, NA 1993	D003	-	Flam. Liq./Org. Per.	Flammable
8010	Paint, Carc	Waste, Paint, Flammable liquid, UN 1263	D001	-	Flammable Liquid	Flammable
8010	Paint, Enamel	Waste, Paint, Flammable liquid, UN 1263	D001	-	Flammable Liquid	Flammable
8010	Paint, Lacquer	Waste, Paint, Flammable liquid, UN 1263	D001, F003	331	Flammable Liquid	Flammable
8010	Paint, Latex	Hazardous waste liquid, N.O.S. ORM-E, NA 9189	D001		None	Toxic
8010	Paint, Lead	Waste, Paint, Flammable liquid, UN 1263	D008, F001		Flammable Liquid	Flammable
8010	Paint, Polyurethane	Waste, Paint, Flammable liquid, UN 1263	D001		Flammable Liquid	Toxic
8010	Paint Remover	Waste, Paint related material, Flammable liquid, NA 1263	D001		Flammable Liquid	Toxic
8010	Paint Thinner	Waste, Paint related material, Flammable liquid, NA 1263	D001		Flammable Liquid	Toxic
9150	PCB Dielectric Fluid	Hazardous substance liquid, N.O.S., ORM-E, NA 9188	-	10	PCB	Toxic *
6250	PCB Light Ballast	Hazardous substance solid, N.O.S., ORM-E, NA 9188	-	10	PCB	Toxic *
8140	PCP Contaminated Wood	Hazardous waste solid N.O.S., ORM-E, NA 9189	-	-	None	Toxic
6850	PD 680 Solvent	Waste, Petroleum distillate, Combustible liquid, UN 1268	-	-	None	Combustible
9150	Penetrating Oil	Waste, Oil, N.O.S., petroleum, NA 1270	-	-	None	Toxic
6850	Pentachlorophenol	Hazardous waste liquid, N.O.S., ORM-E, NA 9189	F027	10	None	Toxic *
6850	Perchloroethylene	Waste, Perchloroethylene, ORM-A, UN 1897	F001, F002	1	None	Toxic *

PART I

A. GENERAL INFORMATION MUS, MWR, HMX-1 — WASTE PROFILE NO. QA-17

1. GENERATOR NAME: Marine Corps Combat Development Command

RCRA-10

2. FACILITY ADDRESS: NREA Branch, Facilities Division B046; 3040 McCawley Avenue; Quantico, Virginia; 5. ZIP CODE 22134-5030

3. GENERATOR USEPA ID: VA1170024722

4. GENERATOR STATE ID: VA 1170024722

6. TECHNICAL CONTACT: Bhasker K. Thaker

7. TITLE: Env. Eng. Tech.

PHONE: (703) 784-4030

B. 1. NAME OF: Paint Chips & Media Blasting Material

2. USEPA / or / STATE WASTE CODE( ): D006, D007, D008

3. PROCESS GENERATING WASTE: Media Blasting

4. PROJECTED ANNUAL VOLUME / UNIT: 2000 lbs / year — 5. MODE OF COLLECTION:

6. IS THIS WASTE A DIOXIN LISTED WASTE AS DEFINED IN 40 CFR 261.31 (e.g. F020, F021, F022, F023, F026, F02 F028)? ☐ YES ☒ NO

7. IS THIS WASTE RESTRICTED FROM LAND DISPOSAL (40 CFR ☒ YES ☐ NO
HAS AN EXEMPTION BEEN ☐ YES ☒ N
DOES THE WASTE MEET APPLICABLE TREATMENT STANDARDS? ☐ YES ☒ NO REFERENCE STANDARDS

PART II

1. MATERIAL CHARACTERIZATION *(OPTIONAL-NOT REQUIRED DATA)*

COLOR: Various colors

DENSIT: — BTU / < 5000

TOTAL SOLIDS: — ASH > 75

LAYERING: ☐ MULTILAYERED ☐ BILAYERED ☐ SINGLE

2. RCRA CHARACTERISTICS

PHYSICAL STATE: ☒ SOLID ☐ LIQUI ☐ SEMI-SOLI ☐ GAS ☐ OTHER

TREATMENT ☐ WASTEWATE ☐ NON-WASTEWATER

☐ IGNITABLE (D001 — ☐ REACTIVE (D003)
FLASH POINT — ☐ WATER REACTIVE
☐ HIGH TOC (> — ☐ CYANIDE REACTIVE
☐ LOW TOC (< — ☐ SULFIDE REACTIVE
☐ CORROSIVE — ☐ TOXICITY CHARACTERISTIC *(SEE REVERSE FOR LISTING)*
pH
☐ CORRODES STEEL

3. CHEMICAL COMPOSITION (ppm or mg/L)

COPPER — PHENOLICS
NICKEL — TOTAL HALOGENS
ZINC — VOLATILE ORGANICS
CHROMIUM-HEX — PCBs
(OTHER)

NOTE: EXPLOSIVES, SHOCK SENSITIVE, PYROPHORIC, RADIOACTIVE, AND ETIOLOGICAL WASTE NORMALLY ARE NOT ACCEPTED BY THE DRMO

4. MATERIAL COMPOSITION

COMPONENT	CONCENTRATION	RANGE
Blasting media	95-98%	
Paint, solids	1-5%	
Paper, plastic	0-2%	
Lead	> 5.0 mg/L	
Chromium	> 5.0 mg/L	
Cadmium	> 1 mg/L	
TOTAL	100	

5. SHIPPING INFORMATION
DOT HAZARDOUS MATERIAL? ☒ YES ☐ NO

PROPER SHIPPING NAME: "RQ" Hazardous Waste Solid, N.O.S., NA 3077

HAZARD CLASS: 9 — U.N. OR N.A. NO: NA 3077

ADDITIONAL DESCRIPTION:

METHOD OF SHIPMENT ☐ BUL ☒ DRU ☐ OTHE

CERCLA REPORTABLE QUANTITY (RQ): 1 lb

EMERGENCY RESPONSE GUIDE PAGE

DOT PUBLICATION 5800.4 PAGE — EDITION (YR)

SPECIAL HANDLING INFORMATION

6. GENERATOR CERTIFICATION

BASIS FOR INFORMATION

☒ CHEMICAL ANALYSIS *(ATTACH TEST RESULTS)*

☐ USER KNOWLEDGE *(ATTACH SUPPORTING DOCUMENTS - Explain how and why these documents comply with RCRA requirements)* Lab Results

I, Bhasker K. Thaker, HEREBY CERTIFY THAT ALL INFORMATION SUBMITTED IN THIS AND ALL ATTACHED DOCUMENTS IS TO THE BEST OF MY KNOWLEDGE AN ACCURATE REPRESENTATION OF THE WASTE TURNED IN TO THE DRMO. ALL KNOWN OR SUSPECTED HAZARDS HAVE BEEN DISCLOSED.

SIGNATURE OF GENERATOR'S REPRESENTATIVE: BK Thaker — DATE: 5-15-97

CENTRAL VIRGINIA LABORATORIES AND CONSULTANTS, INC.

PROJECT INFORMATION

oject Name:	NO	Collection Date:	04/02/97	Received Date:	04/03/97
Project Number:	M00264-96-D-0002	Collection Time (hours):	0926	Received Time (hours):	1620
Customer ID:	QA17	Relinquished Date:	04/02/97	Location:	QA17
CVLC ID:	97-03158	Relinquished Time (hours):	0926	Sample Matrix:	Solid Waste

ANALYTICAL RESULTS

Toxicity Characteristic Leachate Procedure (TCLP)

PARAMETERS	METHOD	DL(MG/L)	MQL	REGULATORY LIMIT (MG/L)	ANALYSIS DATE	ANALYST INITIALS
ARSENIC	1311/SW 7060	0.1	ND	5.0	04/16/97	JF
BARIUM	1311/SW 6010A	0.3	0.7	100.0	04/17/97	TDP
CADMIUM	1311/SW 7130	0.005	0.75	1.000	04/15/97	JMN
CHROMIUM	1311/SW7190	0.05	1.63	5.00	04/16/97	JMN
LEAD	1311/SW 7420	0.1	7.3	5.0	04/15/97	JMN
MERCURY	1311/SW 7470	0.02	ND	0.20	04/11/97	JMN
SELENIUM	1311/SW 7740	0.1	ND	1.0	04/16/97	JF
SILVER	1311/SW 7760A	0.010	ND	5.000	04/09/97	JMN

INORGANIC COMPOUNDS	METHOD	S.U.	ANALYSIS DATE	ANALYST INITIALS
INITIAL pH (S.U.)	SW 9040A	7.85	04/07/97	GRP
FINAL pH (S.U.)	SW 9040A	5.07	04/08/97	GRP
SAMPLE WEIGHT	NA	20.02	04/07/97	GRP
EXTRACTION FLUID	NA	1	04/07/97	GRP

NA = Not Applicable

ND = Not Detected

NC = Not Given

...ber 29, 1994

SUBMITTED BY:

...Marine Corp. Base NREA
...Marine Stern
...Valley Avenue, Suite 2
...22134-5052

James R. Reed and Associates
11864 Canon Blvd., Suite 103
Newport News, VA 23606
(804) 873-4703

...mples Received: 12/15/94 @ 08:32
...mples Tested: 12/14/94 @ times not given
...ntract: M00264-95-D-0002
...mple ID: Blast Media - Museum #95107
...MAO - AU

...ytes	EPA HW Number	SW 846 Method	Method Detection Limit (mg/L)	Practical Quantitation Limit (mg/L)	Regulatory Level (mg/L)	Results (mg/L)	Analyst/Date/Time
TOXICITY CHARACTERISTIC CONSTITUENTS							
Arsenic	D004	7060	0.001	0.001	5.0	<0.001	FPE-12/23/94 @ 17:25
Barium	D005	7080	0.5	0.5	100.0	<0.5	FPE-12/22/94 @ 10:30
Cadmium	D006	7130	0.007	7	1.0	64	FPE-12/23/94 @ 15:00
Chromium	D007	7090	0.04	0.4	5.0	6.3	FPE-12/23/94 @ 16:00
Lead	D008	7420	0.1	0.1	5.0	0.8	FPE-12/23/94 @ 14:20
Mercury	D009	7470	0.0002	0.0002	0.2	<0.0002	SKH-12/28/94 @ 08:00
Selenium	D010	7740	0.002	0.002	1.0	<0.002	FPE-12/26/94 @ 12:50
Silver	D011	7760A	0.01	0.01	5.0	<0.01	FPE-12/26/94 @ 09:00

Respectfully,

Carol Isenhour
Vice President

TOTAL P.01

bionetics
ANALYTICAL LABORATORIES DIVISION

20 RESEARCH DRIVE
HAMPTON, VIRGINIA 23666
TELEPHONE (804) 865-0380
FAX 804-865-8014
TOLL FREE 800 695-2162

REPORT OF ANALYSIS

05/12/94

TO: NREA BRANCH CODE (C 046)
3040 MC CAWLEY AVE. MARINE CORPS BASE
QUANTICO VA 22134-5053

ATTN: CARLOS REYES

MATRIX: WASTE MATERIAL
SAMPLING DATE - TIME: 04/15/94 - 0800 RECEIVED DATE: 04/15/94
EXTRACT DATE - TIME: 04/25/94 - 1200
SAMPLE ID: 940887 BAL LOG NO(s). 9403360
SAMPLE LOC: BAL W/O NO. 9400226
TCLP (SW 846, Method 1311)

Inorganic/ (Method)		Test Results mg/l	Regulatory Limits mg/l	Analysis Date	Time	Int
SILVER (TCLP) (7760/6010)	<	0.01	5	04/28/94	1326	MAG
ARSENIC (TCLP) (7060/6010)	<	0.01	5	04/28/94	1326	MAG
BARIUM (TCLP) (7080/6010)		2.26	100	04/28/94	1326	MAG
CADMIUM (TCLP) (7130/6010)		5.587	1	04/28/94	1376	MAG
CHROMIUM (TCLP) (6010/7190)		0.30	5	04/28/94	1326	MAG
MERCURY(TCLP) (7470/6010)		0.0006	0.2	05/12/94	1023	MLB
LEAD(TCLP) (7420/6010)		1.15	5	04/28/94	1326	MAG
SELENIUM (TCLP) (7740/6010)		0.02	1	04/28/94	1326	MAG

SEE REVERSE SIDE FOR EXPLANATION OF SYMBOLS AND ABBREVIATIONS

RESPECTFULLY SUBMITTED,

bionetics
ANALYTICAL LABORATORIES DIVISION

20 RESEARCH DRIVE
HAMPTON, VIRGINIA 23666
TELEPHONE (804) 865-0880
FAX 804-865-8014
TOLL FREE 800-695-2162

REPORT OF ANALYSIS

05/12/94

TO: NREA BRANCH CODE (C 046)
3040 MC CAWLEY AVE. MARINE CORPS BASE
QUANTICO VA 22134-5053

ATTN: CARLOS REYES

MATRIX: WASTE MATERIAL
SAMPLING DATE - TIME: 04/15/94 - 0800 RECEIVED DATE: 04/15/94
EXTRACT DATE - TIME: 04/25/94 - 1200
SAMPLE ID: 94088 BAL LOG NO(s). 9403361
SAMPLE LOC: BAL W/O NO. 9400226
TCLP (SW 846, Method 1311)

Inorganic/ (Method)		Test Results mg/l	Regulatory Limits mg/l	Analysis Date	Time	Int
SILVER (TCLP) (7760/6010)	<	0.01	5	04/28/94	1326	MAG
ARSENIC (TCLP) (7060/6010)		0.02	5	04/28/94	1326	MAG
BARIUM (TCLP) (7080/6010)		3.31	100	04/28/94	1326	MAG
CADMIUM (TCLP) (7130/6010)		4.042	1	04/28/94	1376	MAG
CHROMIUM (TCLP) (6010/7190)		0.49	5	04/28/94	1326	MAG
MERCURY (TCLP) (7470/6010)	<	0.0002	0.2	05/12/94	1023	MLB
LEAD (TCLP) (7420/6010)		11.07	5	04/28/94	1326	MAG
SELENIUM (TCLP) (7740/6010)		0.01	1	04/28/94	1326	MAG

SEE REVERSE SIDE FOR EXPLANATION OF SYMBOLS AND ABBREVIATIONS

RESPECTFULLY SUBMITTED,

CENTRAL VIRGINIA
LABORATORIES & CONSULTANTS, INC.

November 6, 1996

Paint Chips from HHAA-1 & GSE

Ms. Kristine Stein
NREA Branch, B0462 I
3040 McCawley Avenue
Suite 2
Quantico, VA 22134-5053

Dear Ms. Stein:

Please find enclosed the analytical results for the Solid Waste samples collected on October 23, 1996.

If you should have any questions, please feel free to contact me.

Sincerely,

Ted M. Schumacher

Ted M. Schumacher
Laboratory Director

TMS/tmj

Enclosure

P O Box 10938 Lynchburg, Virginia 24506 • OFFICE: 3109 Odd Fellows Road • (804) 847-2852 • 800-296-1470 • FAX (804) 847-2853

Paint Chips from HMX-1

CENTRAL VIRGINIA LABORATORIES AND CONSULTANTS, INC.

PROJECT INFORMATION

Project Name:	NG	**Collection Date:**	10/23/96	**Received Date:**	10/23/96
Project Number:	M60264-96-D-0002	**Collection Time (hours):**	0900	**Received Time (hours)**	1755
Customer ID.	Corros.on Control	**Relinquished Date:**	10/23/96	**Location.**	Corrosion Control
CVLC ID	96-09853	**Relinquished Time (hours).**	1030	**Sample Matrix.**	Solid Waste

ANALYTICAL RESULTS

Toxicity Characteristic Leachate Procedure (TCLP)

PARAMETERS	METHOD	DL(MG/L)	MG/L	REGULATORY* LIMIT (MG/L)	ANALYSIS DATE	ANALYST INITIALS
INITIAL pH(S.U.)	SW 9040A	2.00	6.58	NA	10/25/96	GRP
FINAL pH(S.U.)	SW 9040A	2.00	5.13	NA	10/25/96	GRP
SAMPLE WEIGHT(g)	NA	NA	25.32	NA	10/25/96	GRP
EXTRACTION FLUID	NA	NA	1	NA	10/25/96	GRP
ARSENIC	1311/SW 7060	0.1	ND	5.0	11/01/96	CA
BARIUM	1311/SW 6010A	0.3	1.1	100.0	11/01/96	TDP
CADMIUM	1311/SW 7130	0.005	4.55	1.000	10/30/96	JH
CHROMIUM	1311/SW 7190	0.05	28.4	5.00	10/31/96	JH
LEAD	1311/SW 7420	0.1	ND	5.0	10/30/96	JH
MERCURY	1311/SW 7470	0.02	ND	0.20	11/01/96	JH
SELENIUM	1311/SW 7740	0.1	ND	1.0	10/31/96	CA
SILVER	1311/SW 7760A	0.010	0.010	5.000	11/06/96	CA

***40 CFR 261 Established Limits.**

ND = Not Detected
NG = Not Given
NA = Not Applicable

Paint Chips from GSE

CENTRAL VIRGINIA LABORATORIES AND CONSULTANTS, INC.

PROJECT INFORMATION

Project Name.	NG	Collection Date	10/23/96	Received Date:	10/23/96
Project Number	M00264-96-D-0002	Collection Time (hours)	0900	Received Time (hours):	1755
Customer ID.	GSE	Relinquished Date:	10/23/96	Location	GSE
CVLC ID	96-09854	Relinquished Time (hours).	1030	Sample Matrix:	Solid Waste

ANALYTICAL RESULTS

Toxicity Characteristic Leachate Procedure (TCLP)

PARAMETERS	METHOD	DL/MG/L	MG/L	REGULATORY* LIMIT (MG/L)	ANALYSIS DATE	ANALYST INITIALS
INITIAL PH'S (S.U.)	SW 9040A	2.00	6.69	NA	10.25.96	GRP
FINAL PH'S (S.U.)	SW 9040A	2.00	5.58	NA	10/25/96	GRP
SAMPLE WEIGHT(g)	NA	NA	40.00	NA	10/25/96	GRP
EXTRACTION FLUID	NA	NA	1	NA	10/26/96	GRP
ARSENIC	1311/SW 7060	0.1	ND	5.0	11/01/96	CA
BARIUM	1311/SW 6010A	0.3	0.8	100.0	11/01/96	TDP
CADMIUM	1311/SW 7130	0.005	448	1.000	10/30/96	JH
CHROMIUM	1311/SW 7190	0.05	43.0	5.00	10/31/96	JH
LEAD	1311/SW 7420	0.1	0.3	5.0	10/30/96	JH
MERCURY	1311/SW 7470	0.02	0.02	0.20	11/01/96	JH
SELENIUM	1311/SW 7740	0.1	ND	1.0	11/02/96	TDP
SILVER	1311/SW 7760A	0.010	ND	5.000	11/06/96	CA

*40 CFR 261 Established Limit.

ND = Not Detected
NG = Not Given
NA = Not Applicable

Media Blasting from Auto Hobby Shop.

CENTRAL VIRGINIA
LABORATORIES & CONSULTANTS, INC.

April 28, 1997

Ms. Kristine Stein
NREA Branch, B0462.1
3040 McCawley Avenue
Suite 2
Quantico, VA 22134-5053

Dear Ms. Stein:

Please find enclosed the analytical results for the Solid Waste sample collected on April 9, 1997.

If you should have any questions, please feel free to contact me.

Sincerely,

Ted M. Schumacher
Laboratory Director

TMS/sts

Enclosures

P.O. Box 10938 Lynchburg, Virginia 24506 • OFFICE: 3109 Odd Fellows Road • (804) 847-2852 • 800-296-1470 • FAX (804) 847-2830

CENTRAL VIRGINIA LABORATORIES AND CONSULTANTS, INC.

PROJECT INFORMATION

Project Name:	Auto Hobby Shop	Collection Date:	04/09/97	Received Date:	04/10/97
Project Number:	M00264-96-D-0002	Collection Time (hours):	1000	Received Time (hours):	1330
Customer ID:	AHS-blast media	Relinquished Date:	04/09/97	Location:	AHS-blast media
CVLC ID:	97-03363	Relinquished Time (hours):	NG	Sample Matrix:	Solid Waste

ANALYTICAL RESULTS

Toxicity Characteristic Leachate Procedure (TCLP)

PARAMETERS	METHOD	DL(MG/L)	MG/L	REGULATORY LIMIT (MG/L)	ANALYSIS DATE	ANALYST INITIALS
ARSENIC	1311/SW 7060	0.1	ND	5.0	04/22/97	TDP
BARIUM	1311/SW 6010A	0.3	1.3	100.0	04/17/97	TDP
CADMIUM	1311/SW 7130	0.005	8.02	1.000	04/15/97	JMN
CHROMIUM	1311/SW7190	0.05	0.26	5.00	04/16/97	JMN
LEAD	1311/SW 7420	0.1	1.4	5.0	04/15/97	JMN
MERCURY	1311/SW 7470	0.02	ND	0.20	04/18/97	JMN
SELENIUM	1311/SW 7740	0.1	ND	1.0	04/22/97	TDP
SILVER	1311/SW 7760A	0.010	ND	5.000	04/24/97	JMN

INORGANIC COMPOUNDS	METHOD	S.U.	ANALYSIS DATE	ANALYST INITIALS
INITIAL pH (S.U.)	NA	9.04	04/10/97	GRP
FINAL pH (S.U.)	NA	5.14	04/11/97	GRP
SAMPLE WEIGHT	SW1311	25.02	04/10/97	GRP
EXTRACTION FLUID	SW1311	1	04/10/97	GRP

NA = Not Applicable

ND = Not Detected

NG = Not Given

CENTRAL VIRGINIA
LABORATORIES & CONSULTANTS, INC.

April 30, 1997

Ms. Kristine Stein
NREA Branch, B0462.1
3040 McCawley Avenue
Suite 2
Quantico, VA 22134-5053

Dear Ms. Stein:

Please find enclosed the analytical results for the Solid Waste sample collected on April 15, 1997.

If you should have any questions, please feel free to contact me.

Sincerely,

Ted M. Schumacher
Laboratory Director

TMS/sts

Enclosures

P.O. Box 10938 Lynchburg, Virginia 24506 • OFFICE: 3109 Odd Fellows Road • (804) 847-2852 • 800-296-1470 • FAX (804) 847-2830

CENTRAL VIRGINIA LABORATORIES AND CONSULTANTS, INC.

PROJECT INFORMATION

Project Name:	Museum	Collection Date:	04/15/97	Received Date:	04/16/97
Project Number:	M00264-96-D-0002	Collection Time (hours):	NG	Received Time (hours):	2030
Customer ID:	Blast Media	Relinquished Date:	04/16/97	Location:	Blast Media
CVLC ID:	97-03568	Relinquished Time (hours):	NG	Sample Matrix:	Solid Waste

ANALYTICAL RESULTS

Toxicity Characteristic Leachate Procedure (TCLP)

PARAMETERS	METHOD	DL(MG/L)	MG/L	REGULATORY LIMIT (MG/L)	ANALYSIS DATE	ANALYST INITIALS
ARSENIC	1311/SW 7060	0.1	ND	5.0	04/22/97	TDP
BARIUM	1311/SW 6010A	0.3	0.9	100.0	04/28/97	TDP
CADMIUM	1311/SW 7130	0.005	11.4	1.000	04/22/97	JMN
CHROMIUM	1311/SW7190	0.05	2.75	5.00	04/28/97	JMN
LEAD	1311/SW 7420	0.1	0.1	5.0	04/22/97	SMS
MERCURY	1311/SW 7470	0.02	ND	0.20	04/25/97	JMN
SELENIUM	1311/SW 7740	0.1	ND	1.0	04/22/97	TDP
SILVER	1311/SW 7760A	0.010	ND	5.000	04/24/97	JMN

INORGANIC COMPOUNDS	METHOD	S.U.	ANALYSIS DATE	ANALYST INITIALS
INITIAL pH (S.U.)	SW9040A	7.58	04/17/97	GRP
FINAL pH (S.U.)	SW9040A	4.63	04/18/97	GRP
SAMPLE WEIGHT(g)	SW1311	25.23g	04/17/97	GRP
EXTRACTION FLUID	SW1311	1	04/17/97	GRP

NA = Not Applicable

ND = Not Detected

NG = Not Given

A. GENERAL INFORMATION — WASTE PROFILE NO. QA-29

1. GENERATOR NAME: Marine Corps Combat Development Command

RCRA-10

2. FACILITY ADDRESS: NREA Branch, Facilities Division B046
3040 McCawley Avenue
Quantico, Virginia ZIP CODE 22134-5030

3. GENERATOR USEPA ID: VA1170024722

4. GENERATOR STATE ID: VA 1170024722

6. TECHNICAL CONTACT: Bhasker K. Thaker

7. TITLE: Env. Eng. Tech.

PHONE: (703) 784-4030

B. 1. NAME OF: Q-Tips and patches

2. USEPA / STATE WASTE CODE: D008

3. PROCESS GENERATING WASTE: Gun cleaning operation

4. PROJECTED ANNUAL VOLUME / QUANTITY: 2760 Lbs / Year

5. MODE OF COLLECTION:

6. IS THIS WASTE A DIOXIN LISTED WASTE AS DEFINED IN 40 CFR 261.31 (e.g. F020, F021, F022, F023, F026, F028)? ☐ YES ☒ NO

7. IS THIS WASTE RESTRICTED FROM LAND DISPOSAL (40 CFR ☒ YES ☐ NO
HAS AN EXEMPTION BEEN ☐ YES ☒ NO
DOES THE WASTE MEET APPLICABLE TREATMENT STANDARDS? ☐ YES ☒ NO REFERENCE STANDARDS

PART II

1. MATERIAL CHARACTERIZATION (OPTIONAL-NOT REQUIRED DATA)

COLOR

DENSITY BTU /

TOTAL SOLIDS ASH

LAYERING: ☐ MULTILAYERED ☐ BILAYERED ☐ SINGLE

2. RCRA CHARACTERISTICS

PHYSICAL STATE: ☒ SOLID ☐ LIQUID ☐ SEMI-SOLID ☐ GAS ☐ OTHER

TREATMENT: ☐ WASTEWATER ☐ NON-WASTEWATER

☐ IGNITABLE (D001) ☐ REACTIVE (D003)
FLASH POINT ☐ WATER REACTIVE
☐ HIGH TOC (> ☐ CYANIDE REACTIVE
☐ LOW TOC (< ☐ SULFIDE REACTIVE
☐ CORROSIVE ☐ OTHER CHARACTERISTIC (SEE REVERSE FOR LISTING)
pH
☐ CORRODES STEEL

3. CHEMICAL COMPOSITION (pp...)

COPPER PHENOLICS
NICKEL TOTAL HALOGENS
ZINC
CHROMIUM POC
(OTHER)

NOTE: FOR HIGH CONCENTRATIVE PYROPHORIC WASTES, SEE REVERSE SIDE. ETIOLOGICAL WA...

4. MATERIAL COMPOSITION

COMPONENT	CONCENTRATION	RANGE
Q-Tips & Patches	100%	
Lead	44.4 ppm	

TOTAL 100

5. SHIPPING INFORMATION
DOT HAZARDOUS MATERIAL? ☒ YES ☐ NO
PROPER SHIPPING NAME
RQ Hazardous Waste, Solid N.O.S., NA 3077
HAZARD CLASS 9 U.N. OR N.A. NO NA 3077
ADDITIONAL DESCRIPTION
METHOD OF SHIPMENT ☐ BUL ☒ DRU ☐ OTHE
CERCLA REPORTABLE QUANTITY (RQ)
EMERGENCY RESPONSE GUIDE PAGE
DOT PUBLICATION 5800.4 PAGE EDITION (YR)
SPECIAL HANDLING INFORMATION

6. GENERATOR CERTIFICATION

BASIS FOR INFORMATION

☒ ...ATTACH TEST DATA

☒ ...(Explain how and why these documents comply with MSDS

Bhasker K. Thaker ...BY CERTIFY THAT ALL INFORMATION SUBMITTED IN THIS AND ALL ...KNOWLEDGE AN ACCURATE REPRESENTATION OF THE WASTE TURNED ...HAZARDS HAVE BEEN DISCLOSED.

SIGNATURE B.K. Thaker DATE 5/15/97

CENTRAL VIRGINIA LABORATORIES & CONSULTANTS, INC.

April 17, 1997

Ms. Kristine Stein
NREA Branch, B0462.1
3040 McCawley Avenue
Suite 2
Quantico, VA 22134-5053

Dear Ms. Stein:

Please find enclosed the analytical results for the Solid Waste samples collected on April 2, 1997.

If you should have any questions, please feel free to contact me.

Sincerely,

Ted M. Schumacher
Laboratory Director

TMS/sts

Enclosures

CENTRAL VIRGINIA LABORATORIES AND CONSULTANTS, INC.

PROJECT INFORMATION

Project Name:	NO	Collection Date:	04/02/97	Received Date:	04/03/97
Project Number:	M00264-96-D-0002	Collection Time (hours):	0907	Received Time (hours):	1620
Customer ID:	QA29	Relinquished Date:	04/02/97	Location:	QA29
CVLC ID:	97-03157	Relinquished Time (hours):	0907	Sample Matrix:	Solid Waste

ANALYTICAL RESULTS

Toxicity Characteristic Leachate Procedure (TCLP)

PARAMETERS	METHOD	DL(MG/L)	MG/L	REGULATORY LIMIT (MG/L)	ANALYSIS DATE	ANALYST INITIALS
ARSENIC	1311/SW 7060	0.1	ND	5.0	04/16/97	JF
BARIUM	1311/SW 6010A	0.3	9.7	100.0	04/17/97	TDP
CADMIUM	1311/SW 7130	0.005	0.011	1.000	04/15/97	JMN
CHROMIUM	1311/SW7190	0.05	ND	5.00	04/16/97	JMN
LEAD	1311/SW 7420	0.1	12.4	5.0	04/15/97	JMN
MERCURY	1311/SW 7470	0.02	ND	0.20	04/11/97	JMN
SELENIUM	1311/SW 7740	0.1	ND	1.0	04/16/97	JF
SILVER	1311/SW 7760A	0.010	ND	5.000	04/09/97	JMN

INORGANIC COMPOUNDS	METHOD	S.U.	ANALYSIS DATE	ANALYST INITIALS
INITIAL pH (S.U.)	SW 9040A	8.05	04/07/97	GRP
FINAL pH (S.U.)	SW 9040A	5.05	04/08/97	GRP
SAMPLE WEIGHT (G)	NA	20.06	04/07/97	GRP
EXTRACTION FLUID	NA	1	04/07/97	GRP

NA = Not Applicable

ND = Not Detected

NC = Not Given

APR-18-1996 10:54

CLIENT:	Quantico Marine Corp Base NREA	SUBMITTED BY:	James R. Reed & Associates 11864 Canon Blvd., Suite 103 Newport News, VA 23606 (804) 873-4703 phone (804) 873-1498 fax
ATTN:	Kristine Stein		
ADDRESS:	3040 McCawley Ave. Suite 2		
CITY:	Quantico, VA 22134-5053		
PHONE:	703-784-4030	SAMPLE RECEIPT DATE:	3/28/96 TIME: 1435
FAX:	703-784-4593	RECEIVED BY:	MCC
		GRAB COLLECTION DATE:	3/26/96 GRAB TIME: 1400
SPECIAL NOTES: Contract #: M00264-95-D-0002 Item #: 0001AM,AN,AO,AR,AS ,AA		COMPOSITE COLLECTION:	Start Date / Start Time / End Date / End Time
		COLLECTED BY:	Client
		RECEIVED FROM:	Bayside
		NUMBER OF CONTAINERS:	1 CONDITION: (x)COOL ( )OTHER
		EXPLAIN:	

SAMPLE ID: 96-124 [illegible]

SAMPLE NO: 96-4130

Parameter	RCRA HW No.	Method Number	Method Detection Limit (mg/L)	Regulatory Level (mg/L)	Footnote Quantitation Limit (mg/L)	Result (mg/L)	Analyzed By/Date/Time
TOXICITY CHARACTERISTIC LEACHING PROCEDURE							
Arsenic	D004	6010	0.002	5.0		0.006	FPE-04/10/96 @ 1543
Barium	D005	6010	0.005	100.0		18.5	FPE-04/10/96 @ 1543
Benzene	D018	8240	0.005	0.5		<0.005	CDN-04/10/96 @ 1804
Cadmium	D006	6010	0.0005	1.0		0.0137	FPE-04/10/96 @ 1543
Carbon Tetrachloride	D019	8240	0.005	0.5		<0.005	CDN-04/10/96 @ 1804
Chlorobenzene	D021	8240	0.005	100.0		<0.005	CDN-04/10/96 @ 1804
Chloroform	D022	8240	0.005	6.0		<0.005	CDN-04/10/96 @ 1804
Chromium	D007	6010	0.005	5.0		<0.005	FPE-04/10/96 @ 1543
o-Cresol	D023	8270	0.050	200.0		<0.050	CLH-04/09/96 @ 1450
m-Cresol	D024	8270	0.050	200.0		<0.050	CLH-04/09/96 @ 1450
p-Cresol	D025	8270	0.050	200.0		<0.050	CLH-04/09/96 @ 1450

NOTES:

*Flashpoints <60°C/140°F are considered hazardous according to Hazardous Waste Characterization Guidelines.

RESPECTFULLY SUBMITTED BY:

Beverly E. Blanchard

Carol Lenhour
Vice President

DATE: April 18, 1996

CLIENT: Quantico Marine Corp. Base NREA

SAMPLE ID: 96-124 FIELD Patches

SAMPLE NO: 96-4130

Parameter	RCRA HW No.	Method Number	Method Detection Limit (MDL)	Regulatory Limit (mg/L)	Dilution Factor Used (Yes/No)	Result (mg/L)	Analyst/Date/Time
TOXICITY CHARACTERISTIC LEACHING PROCEDURE (continued)							
Cresol	D026	8270	0.050	200.0		<0.050	CLH-04/09/96 @ 1450
1,4-dichlorobenzene	D027	8240	0.005	7.5		<0.005	CDN-04/10/96 @ 1804
1,2-dichloroethane	D028	8240	0.005	0.5		<0.005	CDN-04/10/96 @ 1804
1,1-dichloroethylene	D029	8240	0.005	0.7		<0.005	CDN-04/10/96 @ 1804
2,4-dinitrotoluene	D030	8270	0.005	0.13		<0.005	CLH-04/09/96 @ 1450
Hexachlorobenzene	D032	8270	0.005	0.13		<0.005	CLH-04/09/96 @ 1450
Hexachloro-1,3-butadiene	D033	8270	0.005	0.5		<0.005	CLH-04/09/96 @ 1450
Hexachloroethane	D034	8270	0.005	3.0		<0.005	CLH-04/09/96 @ 1450
Lead	D008	6010	0.005	[illegible]		[illegible]	FPE-04/10/96 @ 1543
Mercury	D009	7470	0.0002	0.2		<0.0002	SKH-04/09/96 @ 1230
Methyl ethyl ketone	D035	8240	0.100	200.0		<0.100	CDN-04/10/96 @ 1804
Nitrobenzene	D036	8270	0.005	2.0		<0.005	CLH-04/09/96 @ 1450
Pentachlorophenol	D037	8270	0.010	100.0		<0.010	CLH-04/09/96 @ 1450
Pyridine	D038	8270	0.500	5.0		<0.500	CLH-04/09/96 @ 1450
Selenium	D010	6010	0.005	1.0		<0.005	FPE-04/10/96 @ 1543
Silver	D011	6010	0.001	5.0		<0.001	FPE-04/10/96 @ 1543
Tetrachloroethylene	D039	8240	0.005	0.7		<0.005	CDN-04/10/96 @ 1804
Trichloroethylene	D040	8240	0.005	0.5		<0.005	CDN-04/10/96 @ 1804
2,4,5-trichlorophenol	D041	8270	0.050	400.0		<0.050	CLH-04/09/96 @ 1450
2,4,6-trichlorophenol	D042	8270	0.050	2.0		<0.050	CLH-04/09/96 @ 1450
Vinyl Chloride	D043	8240	0.010	0.2		<0.010	CDN-04/10/96 @ 1804
Flashpoint	N/A	1010	N/A	*		>100°C/212°F	SKH-04/12/96 @ 1430

HWSF Inspection Schedule

Inspection Item and Problems to Look for	Performing Organization	Frequency				
		Weekly	Monthly	Quarterly	Semi - annually	Annually
SECURITY DEVICES						
Perimeter Fence - Damaged, needing repair	NREAB		X			
Gates, Rollup Door, and Personnel Doors - Poor condition, deterioration, not functioning properly - Unlocked - Locks missing or not operating properly - Exits blocked	NREAB	X		X X X		
Warning Signs on Fence - Missing, damaged, or illegible	NREAB		X			
SAFETY AND EMERGENCY EQUIPMENT						
Telephone - Not operating properly	NREAB		X			
Exterior Lighting - Not functioning, bulbs burned out	NREAB		X			
Interior Lighting - Bulbs burned out	NREAB		X			
Fire Extinguishers - Insufficient inventory, not accessible, not in correct location - Not charged	NREAB		X			

12 C 12 A - 11

HWSF Inspection Schedule (continued)

Inspection Item and Problems to Look for	Performing Organization	Frequency				
		Weekly	Monthly	Quarterly	Semi - annually	Annually
Spill Control Material and Equipment (absorbents, rags, neutralizers, shovels, brooms, and sweep pans) - Insufficient inventory, poor condition, expired shelf life - Access blocked	NREAB	X	X			
Overpack Containers - Insufficient inventory, poor condition - Access blocked	NREAB	X	X			
Spare 55-gallon Drums - Insufficient inventory, poor condition - Access blocked	NREAB	X	X			
Personal Protective Equipment (Clothing, Face Shields, Goggles, Respirators) - Insufficient inventory - Holes, worn, poor condition	NREAB		X			
Eyewash and Emergency Showers - Broken, not operational, frozen	NREAB	X				
"NO SMOKING SIGNS" (Interior) - Not posted	NREAB		X			
Fire Exit Signs - Not posted	NREAB			X		

HWSF Inspection Schedule (continued)

Inspection Item and Problems to Look for	Performing Organization	Frequency				
		Weekly	Monthly	Quarterly	Semi - annually	Annually
Heat and Smoke Detectors - Damaged, not functioning properly	Fire Department				X	
Fire Alarms and Heat and Smoke Detector Signals - Not operational	Electronics Maintenance Branch				X	
Fire Extinguishers - Insufficient inventory, not accessible - Not charged - Seals broken or tags missing	Fire Department				X	
Fire Hydrants - No water flow - Poor condition, threads worn, shut off valves not operating properly	Maintenance					X
Fire Hydrants - Pressure within adequate range	Fire Department					X
OPERATING AND STRUCTURAL EQUIPMENT						
Outside Perimeter of HWSF - Grading not appropriate, ponding liquid - Drainage ditches or culverts blocked	NREAB			X		
Loading/Unloading Area - Poor condition, deterioration - Cracks, gaps, holes, pits	NREAB		X			

HWSF Inspection Schedule (continued)

Inspection Item and Problems to Look for	Performing Organization	Frequency				
		Weekly	Monthly	Quarterly	Semi - annually	Annually
Facility Structure (Walls and Roof) - Roof or walls leaking - Cracks in walls, paint/coating deteriorating - Need of repair	NREAB	X				
Floors, Ramp, Curbs, and Trenches - Cracks, gaps, chips, breaks, coating peeling or worn - Accumulated liquids or dust/debris	NREAB	X				
Trench Grates - Poor condition (e.g., rusted, corroded)	NREAB	X				
Waste Containers - Poor condition, corrosion, deterioration - Leaks visible - Improper or missing labels/marks - Aisle space less than the minimum - Stacked above the maximum allowed	NREAB	X				
Storage Bays - Wastes not stored in compatible groups or in proper locations - Signs not posted at each storage bay	NREAB	X				

HWSF Inspection Schedule (continued)

Inspection Item and Problems to Look for	Performing Organization	Frequency				
		Weekly	Monthly	Quarterly	Semi - annually	Annually
Inventory of Each Storage Bay and Rows in the Central Storage Area - Not up to date	NREAB	X				
Pallets - Broken, damaged, poor condition	NREAB	X				
Secondary Containment Pallets - Poor condition - Accumulated liquids or dust	NREAB	X				
Hand Carts - Damaged, not operating properly	NREAB			X		
Forklift - Battery not charged - Load tested and maintenance performed	NREAB Maintenance contractor	X			X	
Scale - Load tested and calibrated	Maintenance contractor					X
Heaters (During Cold Weather Only) - Not functioning properly, not maintaining proper temperature	NREAB	X				
Ventilation Exhaust Fans - Not operating, excessive vibration	NREAB		X			

HWSF Inspection Schedule (continued)

Inspection Item and Problems to Look for	Performing Organization	Frequency				
		Weekly	Monthly	Quarterly	Semi - annually	Annually
GENERAL						
Deficiencies Noted in Previous Inspections - Not resolved	NREAB	X	X	X		

NREAB Monthly Inspection Report
Hazardous Waste Storage Facility Quarter No. _____

Check the following items for the indicated problems:

✓ = OK, no problem. If corrective action was taken to make the item OK, note corrective actions at end of report. Use a number to code the check mark and use the corresponding number when noting the corrective action.

X = Problem that is not fixed immediately. Give explanation of problem at end of report and record the action that was initiated. Use a number to code the X mark and use the corresponding number when noting the problem.

Item	Problem	Month		
SECURITY DEVICES				
Perimeter fence	Damaged, needing repair			
Warning signs on fence	Missing, damaged, illegible			
SAFETY AND EMERGENCY EQUIPMENT				
Telephone	Not operating properly			
Exterior lighting	Not functioning, bulbs burned out			
Interior lighting	Bulbs burned out			
Fire extinquishers	Insufficient inventory, not accessible, not in correct location Not charged			
Spill control material and equipment:	Insufficient inventory, poor condition, expired shelf life			
Industrial absorbent				
Dry clay absorbent, 10 bags				
Absorbent pads, 1 bundle				
Oil booms, 2 boxes				

RCRA-1-4

Item	Problem	Month		
Clean up rags (1 55-gal. drum)				
Industrial booms, 2 boxes				
Mercury kit, 1				
Acid neutralizer powder, 5-gal. bucket				
Clean-up rags, 1 drum (55-gal.)				
Shovels, 2				
Brooms and dust pans, 2				
Overpack containers, 2 85-gal. drums	Insufficient inventory, poor condition			
Spare 55-gal. drums, 2 open head, 2 closed head	Insufficient inventory, poor condition			
Personal protective equipment:	Insufficient inventory Holes, worn, poor condition			
Face shields and goggles, 2 sets				
Full-face respirators with particulate and organic vapor cartridges, 2				
Protective clothing - impermeable coveralls, gloves, and boots, 2 sets				
"NO SMOKING" signs	Not posted			

Item	Problem	Month		
OPERATING AND STRUCTURAL EQUIPMENT				
Loading/unloading area	Poor condition, deterioration, cracks, gaps, holes, pits Accumulated liquid or snow by rollup door			
Ventilation exhaust fans	Not operating, excessive vibration			
GENERAL				
Deficiencies noted in previous inspections	Not resolved			

Corrective Actions Taken: _____

_____

_____

_____

Problems Noted and Actions Initiated: _____

_____

_____

_____

Month of _____ Date _____ Time _____ Inspector's Signature _____
Month of _____ Date _____ Time _____ Inspector's Signature _____
Month of _____ Date _____ Time _____ Inspector's Signature _____

NREAB Weekly Inspection Report
Hazardous Waste Storage Facility Month of: _____

Check the following items for the indicated problems:

✓ = OK, no problem. If corrective action was taken to make the item OK, note corrective actions at end of report. Use a number to code the check mark and use the corresponding number when noting the corrective action.

X = Problem that is not fixed immediately. Give explanation of problem at end of report and record the action that was initiated. Use a number to code the X mark and use the corresponding number when noting the problem.

Item	Problem	Week No. 1	2	3	4	5
SECURITY DEVICES						
Gates, rollup door, and personnel doors	Exits blocked					
SAFETY AND EMERGENCY EQUIPMENT						
Spill control material and equipment	Access blocked					
Overpack containers	Access blocked					
Spare 55-gallon drums	Access blocked					
Eyewash and emergency showers	Broken, not operational, frozen					
OPERATING AND STRUCTURAL EQUIPMENT						
Facility structure (walls and roof)	Roof or walls leaking, crack in walls, paint/coating deteriorating, roof or walls in need of repair					
Floors, ramp, curbs, and trenches	Cracks, gaps, chips, breaks, coating peeling or worn Accumulated liquids or dust/debris					
Trench grates	Poor condition (e.g., rusted, corroded)					

42 CFR - 13

Item	Problem	Week No. 1	2	3	4	5
Waste containers	Poor condition, corrosion, deterioration Leaks visible Improper or missing labels/marks Aisle space less than the minimum Stacked above the maximum allowed					
Storage bays	Wastes not stored in compatible groups or in proper locations Signs not posted at each storage bay					
Inventory of each storage bay and rows in the central storage area	Not up to date					
Pallets	Broken, damaged, poor condition					
Secondary containment pallets	Poor condition, accumulated liquids or dust					
Forklift	Battery not charged					
Heaters (during cold weather)	Not functioning properly, not maintaining proper temperature					
GENERAL						
Deficiencies noted in previous inspections	Not resolved					

Corrective Actions Taken: _____

_____

_____

Problems Noted and Actions Initiated: _____

_____

_____

Week No. 1: Date _____ Time _____ Inspector's Signature _____
Week No. 2: Date _____ Time _____ Inspector's Signature _____
Week No. 3: Date _____ Time _____ Inspector's Signature _____
Week No. 4: Date _____ Time _____ Inspector's Signature _____
Week No. 5: Date _____ Time _____ Inspector's Signature _____

RCRA-14

HAZARDOUS WASTE STORAGE FACILITY
BUILDING # 27401

List as of August 11, 1997

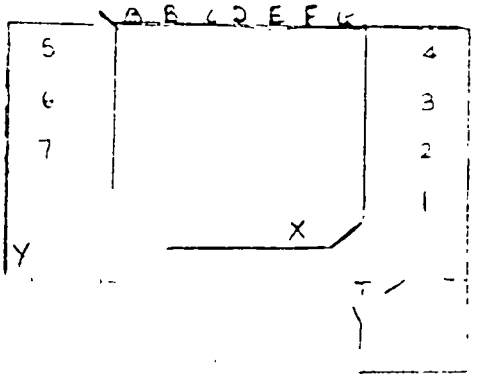
Cell #1	Methanol + Acetone + Acetonitrile	59	lbs
	Sodium Dichromate	1	lb
	Barium Chloride	1	lb
	Mercury	1	lb
Cell #2	Acetic Acid (Glacial)	2	lbs
Cell #3	Gasoline + Diesel	1408	lbs
	Gasoline + Water	400	lbs
	Petroleum Distillate	139	lbs
	Corrosion Prevention Compound	81	lbs
Cell #4	Potassium Dichromate	7	lbs
Cell #5	Silver Recovery Cartridges + Photo Fixer (non haz)	25	lbs
Cell #6	Sodium Hydroxide	80	lbs
Cell #7	Cleaning Compound	280	lbs
	Sodium Hydroxide	11	lbs
Lane A	Adhesive	320	lbs
	Oil Base Paint (solid)	51	lbs
	Oil Base Paint (recycling)	500	lbs
Lane C	Lead Contaminated Q-Tips & Patches	885	lbs
	CLP Liquid	51	lbs
	Paint Chips & Sand-Blasting Material	80	lbs
Lane D	Trichloroethylene	35	lbs
	Petroleium Distillate (Savin Toner Waste)	17	lbs
	Paint Chips & Sand-Blasting Material	1456	lbs
Lane F & G	Oil Spill Residue	1062	lbs
	Grease	60	lbs
	Oil Spill Residue	3133	lbs
	Ammonium Salt	19	lbs
	Copper Oxide	1	lb
	Manganous Sulfate	5	lbs
	Cupric Sulfate	1	lb
	Synthetic Aliphatic Hydrocarbon	26	lbs
Lane X	Magnesium Batteries	97	lbs
	Dirty Rags for Cleaning (recycling)	1618	lbs
Lane Y	Asbestos Safes	1500	lbs

HAZARDOUS WASTE STORAGE FACILITY
BUILDING # 27401

List as of August 11, 1997

Cell #1	Methanol + Acetone + Acetonitrile	59 lbs
	Sodium Dichromate	1 lb
	Barium Chloride	1 lb
	Mercury	1 lb
Cell #2		empty
Cell #3	Gasoline + Diesel	1408 lbs
	Gasoline + Water	400 lbs
	Petroleum Distillate	139 lbs
	Corrosion Prevention Compound	81 lbs
Cell #4	Potassium Dichromate	7 lbs
Cell #5	Silver Recovery Cartridges + Photo Fixer (non haz)	25 lbs
Cell #6	Sodium Hydroxide	~~empty~~ 80 lbs
Cell #7	Cleaning Compound	280 lbs
	Sodium Hydroxide	11 lbs
Lane A	Adhesive	320 lbs
	Oil Base Paint (solid)	51 lbs
	Oil Base Paint (recycling)	500 lbs
Lane C	Lead Contaminated Q-Tips & Patches	885 lbs
	CLP Liquid	51 lbs
	Paint Chips & Sand-Blasting Material	80 lbs
Lane D	Trichloroethylene	35 lbs
	Petroleum Distillate (Savin Toner Waste)	17 lbs
	Paint Chips & Sand-Blasting Material	1456 lbs
Lane F	Oil Spill Residue	1062 lbs
	Grease	60 lbs
	Oil Spill Residue	3133 lbs
	Ammonium Salt	19 lbs
	Copper Oxide	1 lb
	Manganous Sulfate	5 lbs
	Cupric Sulfate	1 lb
	Synthetic Aliphatic Hydrocarbon	26 lbs
Lane X	Magnesium Batteries	97 lbs
	Dirty Rags for Cleaning (recycling)	1618 lbs
Lane Y	Asbestos Safes	1500 lbs

Warehouse diagram



FAX TRANSMITTAL | # of pages ▶ 1

To	From
Chief Robinson	NREAB
Dept. Agency	Phone #
Fire Department	4030
Fax #	Fax #
3282	4953

NSN 7540-01-317-7368 5099-101 GENERAL SERVICES ADMINISTRATION

DATE:: 8-14-97

SUBJ:: HAZARDOUS WASTE STORAGE FACILITY INVENTORY (BLDG 27401)

CELL #1..TOXIC 62 Lbs.

RCRA - 15

CELL #2..ACIDS 2 Lbs.

CELL #3..FLAMMABLE 2028 Lbs.

CELL #4..FLAMMABLE 7. Lbs.

CELL #5..SILVER 25 Lbs.

CELL #6..CORROSIVE 80 Lbs.

CELL #7..CORROSIVE 291 Lbs.

LANE A..PAINT & THINNER 871 Lbs.

LANE B..ASBESTOS 0 Lbs.

LANE C.. 1016 Lbs.

LANE D.. LISTED WASTE 1508 Lbs.

LANE E.. 0 Lbs.

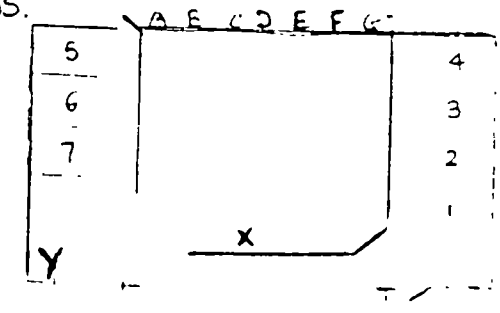
LANE F..OIL SPILL RESIDUE 4247 Lbs.

LANE G.. Grease - 60 Lbs.

LANE X..DIRTY RAGS FOR RECLAIMATION 1618 Lbs.
Magnesium Batteries 97 Lbs.

LANE Y--Asbestos Safes - 1500 Lbs.

Warehouse diagram



FAX TRANSMITTAL | # of pages ▶ 1

To	From
Chief Robinson	NREAB
Dept/Agency	Phone #
Fire Department	4030
Fax #	Fax #
3282	4953

NSN 7540-01-317-7368 5099-101 GENERAL SERVICES ADMINISTRATION

DATE:: 3-11-97

SUBJ:: HAZARDOUS WASTE STORAGE FACILITY INVENTORY (BLDG 27401)

CELL #1..TOXIC 47 Lbs

CELL #2..ACIDS 3310 Lbs.

CELL #3..FLAMMABLE 420 Lbs. RCRA-15

CELL #4..FLAMMABLE 12 Lbs

CELL #5..SILVER 548 Lbs

CELL #6..CORROSIVE 205 Lbs.

CELL #7..CORROSIVE 474 Lbs

LANE A..PAINT & THINNER 3450 Lbs.

LANE B..ASBESTOS 0

LANE C.. 1611 Lbs.

LANE D..F-LISTED WASTE 1611 Lbs.

LANE E.. Non Hazardous 1354 Lbs

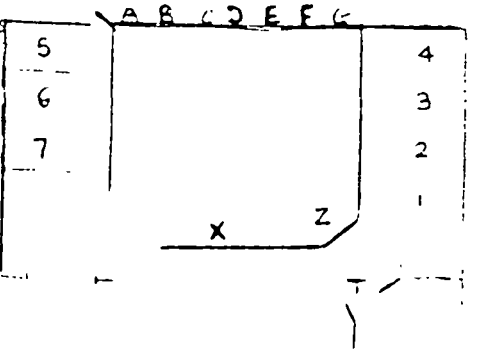
LANE F..OIL SPILL RESIDUE Non Hazardous 288 Lbs

LANE G.. Non Hazardous 8520 Lbs.

LANE X..DIRTY RAGS FOR RECLAIMATION 1636 Lbs

LANE Z · Nicad, Lithium & Mag Batteries 1155 lbs

Warehouse diagram



Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039 Expires 9-30-96

UNIFORM HAZARDOUS WASTE MANIFEST

1 Generator's US EPA ID No	Manifest Document No	2 Page 1 of 1	Information in the shaded areas is not required by Federal law
VA1 170024722	19993		

3 Generator's Name and Mailing Address
MARINE CORPS. BASE
3040 MCCAWLEY AVE STE 2 MCCDC NREAB FAC DIV
QUANTICO VA 22134-5030
4 Generator's Phone ~~703-640-4154~~ 703-784-4032

A State Manifest Document Number
B. State Generator's ID

5 Transporter 1 Company Name: SAFETY-KLEEN CORP.
6 US EPA ID Number: ILD 984908202
C State Transporter's ID
D Transporter's Phone 703 331-0516

7 Transporter 2 Company Name
8 US EPA ID Number
E State Transporter's ID
F Transporter's Phone

9 Designated Facility Name and Site Address 000642
SAFETY-KLEEN CORP.
581 MILLIKEN DR SE
HEBRON, OH 43025
10 US EPA ID Number: OHD 980587364
G State Facility's ID
H Facility's Phone 614 929-3532

	11 US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12 Containers No	12 Containers Type	13 Total Quantity	14 Unit Wt/Vol	I Waste No
GENERATOR a	X RQ WASTE TETRACHLOROETHYLENE 6.1 UN1897 PG III (F002 D007,D008) (D039,D040)(ERG#74) 13 LBS/GAL	2	DM	390	P	F002 D007
b	X WASTE TETRACHLOROETHYLENE 6.1 UN1897 PG III (F002,D039) (ERG#74) 13#/GAL FILTERS	3	DM	180	P	F002 D039
c.						
d						

RCRA-16

J. Additional Descriptions for Materials Listed Above
IA) D008 D039
~~24 hour # (703) 784-2037~~

K. Handling Codes for Wastes Listed Above
T63

15. Special Handling Instructions and Additional Information PP# 19993 MFST REQ# 91764447 2-058 ~~51-6274~~
EMERGENCY RESP#800-468-1760(24 HR). IF UNDELIVERABLE RETURN TO GENERATOR.
SK CORP AUTHORIZED TO RETAIN LICENSED SUBSEQUENT CARRIERS AS NECESSARY.
24 hour #(703)784-2637 SKDOT# A: 942 B: 906 C: D:

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Date (Month Day Year)
Bhasker K. Thaker	BK Thaker	4 30 96

TRANSPORTER

17 Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)
Chris Wilcox	Chris Wilcox	4 30 96

18 Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)

FACILITY

19 Discrepancy Indication Space

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

Printed/Typed Name	Signature	Date (Month Day Year)
BRENDA GLEASON	Brenda Gleason	05 03 96

EPA Form 8700-22 (Rev. 9-88) previous editions obsolete

SAFETY-KLEEN CORP

90290

6

ORIGINAL - RETURN TO GENERATOR

Public reporting burden for this collection of information is estimated to average 30 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Chief, Information Policy Branch, PM-223, U.S. Environmental Protection Agency, 401 M Street, SW, Washington, DC 20460; and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503.

Please print or type (Form designed for use on elite (12 pitch) typewriter)

Form Approved OMB No 2050-0039 Expires 9-30-96

UNIFORM HAZARDOUS WASTE MANIFEST

1 Generator's US EPA ID No | Manifest Document No

2 Page 1 of | Information in the shaded areas is not required by Federal law

3 Generator's Name and Mailing Address

4 Generator's Phone

A State Manifest Document Number

B State Generator's ID

5 Transporter 1 Company Name | 6 US EPA ID Number

C State Transporter's ID

D Transporter's Phone

7 Transporter 2 Company Name | 8 US EPA ID Number

E State Transporter's ID

F Transporter's Phone

9 Designed Facility Name and Site Address | 10 US EPA ID Number

G State Facility's ID

H Facility's Phone

11 US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	HM	12 Containers No	12 Containers Type	13 Total Quantity	14 Unit Wt/Vol	I Waste No.
a						
b	X					F002 D039
c						
d						

J. Additional Descriptions for Materials Listed Above

(IA) D008 D039

24 hour # (703)784-2637

K. Handling Codes for Wastes Listed Above

15 Special Handling Instructions and Additional Information

EMERGENCY RESP#800-468-1760(24 HR). IF UNDELIVERABLE RETURN TO GENERATOR. SK CORP AUTHORIZED TO RETAIN LICENSED SUBSEQUENT CARRIERS AS NECESSARY

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

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

Printed/Typed Name | Signature | Date (Month Day Year)

17 Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Date (Month Day Year)

18 Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Date (Month Day Year)

19 Discrepancy Indication Space

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

Printed/Typed Name | Signature | Date (Month Day Year)

GENERATOR | TRANSPORTER | FACILITY

223. U.S. Environmental Protection Agency, 401 M Street, SW, Washington, DC 20460; and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503.

EPA Form 8700-22 (Rev. 9-88) previous editions obsolete

SAFETY-KLEEN CORP

90290

6

FILE COPY OR STATE COPY

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

Form Approved. OMB No. 2050-0039 Expires 9-30-96

UNIFORM HAZARDOUS WASTE MANIFEST

1 Generator's US EPA ID No. | Manifest Document No. | 2 Page 1 of | Information in the shaded areas is not required by Federal law

3 Generator's Name and Mailing Address

4 Generator's Phone ( )

A State Manifest Document Number

B State Generator's ID

5 Transporter 1 Company Name | 6 US EPA ID Number

C State Transporter's ID

D Transporter's Phone

7 Transporter 2 Company Name | 8 US EPA ID Number

E State Transporter's ID

F Transporter's Phone

9 Designated Facility Name and Site Address | 10 US EPA ID Number

G State Facility's ID

H Facility's Phone

11 US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	HM	12 Containers No	12 Containers Type	13 Total Quantity	14 Unit Wt/Vol	I Waste No
a	X					F002 D007
b	X	WASTE TETRACHLOROETHYLENE				F002 D039
c						
d						

J. Additional Descriptions for Materials Listed Above

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

EMERGENCY RESP# 800-468-1760 (24 HR). IF UNDELIVERABLE RETURN TO GENERATOR. SK CORP AUTHORIZED TO RETAIN LICENSED SUBSEQUENT CARRIERS AS NECESSARY.

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Printed/Typed Name | Signature | Date (Month Day Year)

17 Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Date (Month Day Year)

18 Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Date (Month Day Year)

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

Printed/Typed Name | Signature | Date (Month Day Year)

EPA Form 8700-22 (Rev. 9-88) previous editions obsolete

SAFETY-KLEEN CORP

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GENERATOR COPY

GENERATOR | TRANSPORTER | FACILITY

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TO: SAFETY-KLEEN CORP. (DESIGNATED FACILITY) EPA ID NO. OH0980587364 (DESIGNATED FACILITY)

RESS: 581 MILLIKEN DR SE HEBRON, OH 43025

iest/sales service number 19693 the generator noted below is shipping to you a waste determined to be restricted under R Part 268. In accordance with CFR Part 268.7, the generator hereby provides notice that the waste is restricted from land disposal. y of this form must be kept by the generator and facility for five (5) years from the date of waste shipment.

WASTE NAME (OR NON-WASTE WATER)	WASTE CODE *	THE WASTE MAY CONTAIN THE FOLLOWING RESTRICTED CONSTITUENTS		TREATMENT STANDARD (mg/kg) OR METHOD (unless otherwise noted)
] Waste Paint Related Material SKDOT 523	F003	Acetone		160 (non-waste water)
	F003	Methyl Isobutyl Ketone		33 (non-waste water)
	F003	Xylene		30 (non-waste water) **
	F003	Methanol		.75 (non-waste water)
	F005	Methyl Ethyl Ketone		36 (non-waste water)
	F005	Toluene		10 (non-waste water) **
	D001	Ignitable Liquid (High TOC Subcategory)		Combustion (CMBST) or recovery (RORGS) (40 CFR 268.42)(non-waste water)
	D008	Lead (TOC Subcategory)		5.0 (mg/l, non-waste water)
	D018	Benzene		10 (non-waste water)
	D035	Methyl Ethyl Ketone		36 (non-waste water)
	D039	Tetrachloroethylene		6.0 (non-waste water)
	D040	Trichloroethylene		6.0 (non-waste water)
] Waste Paint Related Material SKDOT 960	F003	Acetone		160 (non-waste water)
	F003	Methyl Isobutyl Ketone		33 (non-waste water)
	F003	Xylene		30 (non-waste water) **
	F003	Methanol		.75 (non-waste water)
	F005	Methyl Ethyl Ketone		36 (non-waste water)
	F005	Toluene		10 (non-waste water) **
	D001	Ignitable Liquid (High TOC Subcategory)		CMBST or RORGS (40 CFR 268.42)(non-waste water)
	D007	Chromium		5.0 (mg/l, non-waste water)
	D035	Methyl Ethyl Ketone		36 (non-waste water)
] Waste Paint Both Filters	D007	Chromium	This hazardous debris is subject to the alternative treatment standards of 40CFR 268.45.	5.0 (mg/l, non-waste water)
] Waste Petroleum Naphtha (Dry Cleaning)	D001	Ignitable Liquid (High TOC Subcategory)		CMBST or RORGS (40 CFR 268.42)(non-waste water)
	D039	Tetrachloroethylene		6.0 (non-waste water)
X Waste Perchloroethylene	F002	Tetrachloroethylene		6.0 (non-waste water) **
	D007	Chromium		5.0 (mg/l, non-waste water)
	D008	Lead (TOC Subcategory)		5.0 (mg/l, non-waste water)
	D039	Tetrachloroethylene		6.0 (non-waste water)
	D040	Trichloroethylene		6.0 (non-waste water)
X Waste Perc. Filters	F002	Tetrachloroethylene	This hazardous debris is subject to the alternative treatment standards of 40CFR 268.45.	6.0 (non-waste water) **
	D039	Tetrachloroethylene		6.0 (non-waste water)
] Waste Photo Services	D011	Silver		5.0 (non-waste water)
] Separator Water	F002	Tetrachloroethylene		.056 (mg/l, waste water)
	D039	Tetrachloroethylene		.056 (mg/l, waste water)
] Waste Sterilant - Hot	D001	Ignitable Liquid (High TOC Subcategory)		CMBST or RORGS (40 CFR 268.42)(non-waste water)
	D035	Methyl Ethyl Ketone		36 (non-waste water)
] Waste Trichlorotrifluoroethane	F002	Trichlorotrifluoroethane		30 (non-waste water)
] Waste 1,1,1 Trichloroethane	F002	1,1,1 Trichloroethane		6.0 (non-waste water)

or composition is based on knowledge of the waste (via Material Safety Data Sheets for the chemicals) used, and the process which created the waste)
se ment standards do not preclude reclamation prior to final disposition
2/19/94, the federal treatment standards for these constituents were Xylene - 29 mg/l Toluene - 28 mg/l, Tetrachloroethylene - 5.6 mg/l
es standards may still apply in some states

E OR NOTICE GENERATOR IS NOT REQUIRED TO LIST UNDERLYING CONSTITUENTS BECAUSE TREATER WILL MONITOR FOR ALL 216 REGULATED CONSTITUENTS PRIOR TO DISPOSAL

2-058-51 51-6274

ERATOR COMPANY MARINE CORP. BASE EPA ID NO. VA1170024722

A GENERAL INFORMATION MWR — WASTE PROFILE NO: QA-18

1 GENERATOR NAME: Marine Corps Combat Development Command

FACILITY ADDRESS: REA Branch, Facilities Division B046
3040 McCawley Avenue
Quantico, Virginia — 5 ZIP CODE 22134-5030

3. GENERATOR USEPA ID: VA1170024722

4. GENERATOR STATE ID: VA 1170024722

6 TECHNICAL CONTACT: Bhasker K. Thaker

7. TITLE: Env. Eng. Tech.

PHONE: (703) 784-4030

B 1. NAME OF WASTE: Perchloroethylene filters with liquid

2 USEPA / or / STATE WASTE CODE(S): F002, D039

3 PROCESS GENERATING WASTE: Dry cleaning operation

4 PROJECTED ANNUAL VOLUME / UNITS: 2000 lbs / year — 5 MODE OF COLLECTION:

6 IS THIS WASTE A DIOXIN LISTED WASTE AS DEFINED IN 40 CFR 261.31 (e g. F020, F021, F022, F023, F026, F027 OR F028)? ☐ YES ☒ NO

7 IS THIS WASTE RESTRICTED FROM LAND DISPOSAL (40 CFR 268)? ☒ YES ☐ NO
HAS AN EXEMPTION BEEN GRANTED? ☐ YES ☒ NO
DOES THE WASTE MEET APPLICABLE TREATMENT STANDARDS? ☒ YES ☐ NO REFERENCE STANDARDS

PART II

1. MATERIAL CHARACTERIZATION
(OPTIONAL-NOT REQUIRED DATA)

COLOR: Black, ash

DENSITY: — BTU / LB:

TOTAL SOLIDS: — ASH CONTENT: 95-100%

LAYERING: ☐ MULTILAYERED ☐ BILAYERED ☐ SINGLE PHASE.

2. RCRA CHARACTERISTICS

PHYSICAL STATE: ☐ SOLID ☒ LIQUID ☐ SEMI-SOLID ☐ GAS ☐ OTHER

TREATMENT GROUP: ☐ WASTEWATER ☐ NON-WASTEWATER

☐ IGNITABLE (D001)
FLASH POINT (F):
☐ HIGH TOC (> 10%)
☐ LOW TOC (< 10%)

☐ REACTIVE (D003)
☐ WATER REACTIVE
☐ CYANIDE REACTIVE
☐ SULFIDE REACTIVE

☐ CORROSIVE (D002)
pH: 6 to 8
☐ CORRODES STEEL

☐ TOXICITY CHARACTERISTIC *(SEE REVERSE FOR LISTING)*

3. CHEMICAL COMPOSITION (ppm or mg/L)

COPPER: — PHENOLICS:
NICKEL: — TOTAL HALOGENS:
ZINC: — VOLATILE ORGANICS:
CHROMIUM-HEX: — PCBs:
(OTHER):

NOTE: EXPLOSIVES, SHOCK SENSITIVE, PYROPHORIC, RADIOACTIVE, AND ETIOLOGICAL WASTE NORMALLY ARE NOT ACCEPTED BY THE DRMO

4. MATERIAL COMPOSITION

COMPONENT	CONCENTRATION	RANGE
Filter (metal &	60-70%	
paper liners)		
Perchloroethylene	10-20%	
Cloth	5-10%	
Water	10-25%	

TOTAL: — 100%

5. SHIPPING INFORMATION
DOT HAZARDOUS MATERIAL? ☒ YES ☐ NO
PROPER SHIPPING NAME: Hazardous Waste Liquid N.O.S., NA 9189
HAZARD CLASS: ORM-D — U N. OR N.A. NO: NA 9189
ADDITIONAL DESCRIPTION:
METHOD OF SHIPMENT ☐ BULK ☒ DRUM ☐ OTHER
CERCLA REPORTABLE QUANTITY (RQ):
EMERGENCY RESPONSE GUIDE PAGE
DOT PUBLICATION 5800.4 PAGE NO. — EDITION (YR):
SPECIAL HANDLING INFORMATION

6. GENERATOR CERTIFICATION
BASIS FOR INFORMATION

☐ CHEMICAL ANALYSIS *(ATTACH TEST RESULTS)*
☒ USER KNOWLEDGE *(ATTACH SUPPORTING DOCUMENTS - Explain how and why these documents comply with RCRA requirements)* ALM-49-0465-RB(G),MSDS, telecon dated d2/22/96

I, Bhasker K. Thaker HEREBY CERTIFY THAT ALL INFORMATION SUBMITTED IN THIS AND ALL ATTACHED DOCUMENTS IS TO THE BEST OF MY KNOWLEDGE AN ACCURATE REPRESENTATION OF THE WASTE TURNED IN TO THE DRMO. ALL KNOWN OR SUSPECTED HAZARDS HAVE BEEN DISCLOSED

SIGNATURE OF GENERATOR'S REPRESENTATIVE: B K Thaker — DATE: May 6 1996

TOXICITY CHARACTERISTIC LIST

EFFECTIVE 25 SEP 90 - LARGE QUANTITY GENERATORS
29 MAR 91 - SMALL QUANTITY GENERATORS

CONTAMINANT	EPA HW No.	(mg/L)	CONTAMINANT	EPA HW No	(mg/L)
___ ARSENIC	D004	-----	___ HEXACHLORO-1,3-BUTADIENE	D033	-----
___ BARIUM	D005	-----	___ HEXACHLOROETHANE	D034	-----
___ BENZENE	D018	-----	___ LEAD	D008	-----
___ CADMIUM	D006	-----	___ LINDANE	D013	-----
___ CARBON TETRACHLORIDE	D019	-----	___ MERCURY	D009	-----
___ CHLORDANE	D020	-----	___ METHOXYCHLOR	D014	-----
___ CHLOROBENZENE	D021	-----	___ METHYL ETHYL KETONE	D035	-----
___ CHLOROFORM	D022	-----	___ NITROBENZENE	D036	-----
___ CHROMIUM	D007	-----	___ PENTACHLOROPHENOL	D037	-----
___ O-CRESOL	D023	-----	___ PYRIDINE	D038	-----
___ M-CRESOL	D024	-----	___ SELENIUM	D010	-----
___ P-CRESOL	D025	-----	___ SILVER	D011	-----
___ CRESOL	D026	-----	___ TETRACHLOROETHYLENE	D039	0.1-0.2%
___ 2,4-D	D016	-----	___ TOXOPHENE	D015	-----
___ 1,4-DICHLOROBENZEN	D027	-----	___ TRICHLOROETHYLENE	D040	-----
___ 1,2-DICHLOROETHANE	D028	-----	___ 2,4,5-TRICHLOROPHENOL	D041	-----
___ 1,1-DICHLOROETHYLENE	D029	-----	___ 2,4,6-TRICHLOROPHENOL	D042	-----
___ 2,4-DINITROTOLUENE	D030	-----	___ 2,45-TP (SILVEX)	D017	-----
___ ENDRIN	D012	-----	___ VINYL CHLORIDE	D043	-----
___ HEPTACHLOR (AND ITS HYDROXIDE)	D031	-----			
___ HEXACHLOROBENZENE	D032	-----			

PART III

FOR DRMO USE ONLY

DRMO VERIFICATION

1. DATE VERIFIED _____

2. RESULTS ☐ *ATTACHED*

pH _____ FLASH POINT _____ SPECIFIC GRAVITY _____ HALIDES (TOX) _____

REACTIVITY. WATER REACTIVITY _____ CYANIDES _____ SULFIDES _____

TCLP _____

_____

_____

_____

HAZARDOUS WASTE

FEDERAL LAW PROHIBITS IMPROPER DISPOSAL

IF FOUND, CONTACT THE NEAREST POLICE, OR PUBLIC SAFETY AUTHORITY, OR THE U.S. ENVIRONMENTAL PROTECTION AGENCY

GENERATOR INFORMATION:

NAME MARINE CORPS COMBAT DEVELOPMENT CMD.

ADDRESS MARINE CORPS BASE PHONE

CITY QUANTICO STATE VA ZIP 22134-5001

EPA ID NO./MANIFEST DOCUMENT NO. VA1170024722 /

ACCUMULATION START DATE

EPA WASTE NO. F002, F039

Perchloroethylene filters with liquid
NA 9189 (QA-18)

D.O.T. PROPER SHIPPING NAME AND UN OR NA NO. WITH PREFIX

HANDLE WITH CARE!

STYLE WM6P

Printed by LABELMASTER, Div. of AMERICAN LABELMARK CO., CHICAGO, IL 60646 (800) 621-5808

DOC IDENT	RI FROM	M&S	STOCK NUMBER FSC	STOCK NUMBER NIIN	STOCK NUMBER ADD	UNIT OF ISSUE	QUANTITY	DOCUMENT NUMBER SERV	DOCUMENT NUMBER REQUISITIONER	DOCUMENT NUMBER DATE	DOCUMENT NUMBER SERIAL	SUFFIX	SUPPLEMENTARY ADDRESS SERV	SUPPLEMENTARY ADDRESS	SIGNAL	FUND	DISTRIBUTION	PROJECT	PRIORITY	REQD DEL DATE	ADVICE			UNIT PRICE DOLLARS	UNIT PRICE CTS
			9999			Dr			~~M00264~~ 93015		X00				RA					N	A		h		100

SHIPPED FROM	SHIP TO	MARK FOR	PROJECT	TOTAL PRICE DOLLARS	TOTAL PRICE CTS
MCCDC MARINE CORPS BASE A QUANTICO, VA 22134-5001	M00264 SX151A B FT. BELVOIR, VA 22060	HA C	TURN IN FOR D DISPOSAL		E 100

WAREHOUSE LOCATION	TYPE OF CARGO	UNIT PACK	UNIT WEIGHT	UNIT CUBE	U F C	N M F C	FREIGHT RATE		DOCUMENT DATE	MAT COND	QUANTITY		
F	G	H	I	J	K	L	M	N	O	P	Q	R	S

SUBSTITUTE DATA (ITEM ORIGINALLY REQUESTED)	FREIGHT CLASSIFICATION NOMENCLATURE
T	U

W

ITEM NOMENCLATURE

x Waste Perchloroethylene Filters with Liquid (F002 F003

SHIPPERS USE				RECEIVERS USE		
SELECTED BY AND DATE 1	TYPE OF CONTAINER(S) 2	TOTAL WEIGHT 3		RECEIVED BY AND DATE 7	INSPECTED BY AND DATE 8	
PACKED BY AND DATE 4	NO OF CONTAINER(S) 5	TOTAL CUBE 6		WAREHOUSED BY AND DATE 9	WAREHOUSE LOCATION 10	

REMARKS:			
REF: QA-18 AA	CLIN - PRICE- BB	CC	DD THIS IS TO CERTIFY THE ABOVE NAMED ITEMS ARE PROPERLY CLASSIFIED, DESCRIBED, PACKED, MARKED, LABELED, AND ARE IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO APPLICABLE REGULATIONS OF DOT AND EPA.
FIRST DESTINATION ADDRESS 11		DATE SHIPPED 12	FF

13 TRANSPORTATION CHARGEABLE TO	14 B/LADING, AWB, OR RECEIVER'S SIGNATURE (AND DATE)	15 RECEIVER'S DOCUMENT NUMBER

DD FORM 1348-1 1 MAR 74 EDITION OF 1 JAN 64 MAY BE USED UNTIL EXHAUSTED

S/N 0102-LF-013-1040

DOD SINGLE LINE ITEM RELEASE/RECEIPT DOCUMENT

FSC#	COMMON NAME	PROPER D.O.T. SHIPPING NAME, HAZARDOUS CLASS, UN/NA NUMBER	EPA WASTE #	RQ (lbs)	DOT LABEL	HAZARDOUS PROPERTIES
6810	Nitric Acid	Waste, Nitric acid, Corrosive Material, UN 1760	D002	1000	Corrosive	Corrosive *
6850	Nitrite	Waste, Nitrites, inorganic N.O.S., Oxidizer, UN 2627	D001	-	Oxidizer	Flammable
6850	Octane	Waste, Octane, Flammable liquid, UN 1262	D001	-	Flammable Liquid	Flammable
9150	Oil, Waste (various weights)	Waste, Oil, NA 1270	-	-	None	Toxic
2940	Oil Filters (Waste)	Hazardous waste solid, N.O.S., ORM-E, NA 9189	-	-	None	Toxic
9150	Oily/Greasy Rags	Hazardous waste solid, N.O.S., ORM-E, NA 9189	-	-	None	Toxic
6850	Organic Peroxide	Waste, Organic peroxide, liquid N.O.S., Organic Peroxide, NA 1993	D003	-	Flam. Liq./Org. Per.	Flammable
8010	Paint, Carc	Waste, Paint, Flammable liquid, UN 1263	D001	-	Flammable Liquid	Flammable
8010	Paint, Enamel	Waste, Paint, Flammable liquid, UN 1263	D001	-	Flammable Liquid	Flammable
8010	Paint, Lacquer	Waste, Paint, Flammable liquid, UN 1263	D001, F003	331	Flammable Liquid	Flammable
8010	Paint, Latex	Hazardous waste liquid, N.O.S. ORM-E, NA 9189	D001		None	Toxic
8010	Paint, Lead	Waste, Paint, Flammable liquid, UN 1263	D008, F001		Flammable Liquid	Flammable
8010	Paint, Polyurethane	Waste, Paint, Flammable liquid, UN 1263	D001		Flammable Liquid	Toxic
8010	Paint Remover	Waste, Paint related material, Flammable liquid, NA 1263	D001		Flammable Liquid	Toxic
8010	Paint Thinner	Waste, Paint related material, Flammable liquid, NA 1263	D001		Flammable Liquid	Toxic
9150	PCB Dielectric Fluid	Hazardous substance liquid, N.O.S., ORM-E, NA 9188	-	10	PCB	Toxic *
6250	PCB Light Ballast	Hazardous substance solid, N.O.S., ORM-E, NA 9188	-	10	PCB	Toxic *
8140	PCP Contaminated Wood	Hazardous waste solid N.O.S., ORM-E, NA 9189	-	-	None	Toxic
6850	PD 680 Solvent	Waste, Petroleum distillate, Combustible liquid, UN 1268	-	-	None	Combustible
9150	Penetrating Oil	Waste, Oil, N.O.S., petroleum, NA 1270	-	-	None	Toxic
6850	Pentachlorophenol	Hazardous waste liquid, N.O.S., ORM-E, NA 9189	F027	10	None	Toxic *
6850	Perchloroethylene	Waste, Perchloroethylene, ORM-A, UN 1897	F001, F002	1	None	Toxic *

KRISTINE
DWAINE
CHARLES
BHASKER
NIKKI
CPL JENSEN

MEMORANDUM FOR THE RECORD

Date: Thursday, 22 February 1996

From: Rich

Subj: **TETRACHLOROETHYLENE DEFINITION**

1. Talked to **Steve Frazier** (804-698-4199) at DEQ at 1530 this date. Question was how to classify **Tetrachloroethylene** when making up a profile sheet. We wanted to know whether to use D039 or F002. He said it's a complicated issue that he had to study quite a while this classification to understand it better. Here are his guidelines:

* **LIQUIDS** can use both. If Liquid is F002, then D039 is understood. Naturally if using **Tetrachloroethylene** for degreasing, it's F001.

* **RAGS**

Use F002 if it's pure **Tetrachloroethylene** or solvent mixture with **Tetrachloroethylene** greater than 10%.

If **Tetrachloroethylene** is less than 10% or solvent paint thinner it's D039.

* **FILTERS** **As in dry cleaning operations: F002. Keep in mind that usually in this case the Tetrachloroethylene is recirculated.**

* **SPILLS** If have a new drum, spill on ground it's "U" listed.

If have dry clean shop (for example) and there is a leak, when remove the spill with soil, it's D039.

Another way is to read the Material Safety Data Sheet (MSDS) for the mixture percentages (%):

Tetrachloroethylene F002.

Methanol can be F003 and Methyl Ethyl Ketone F005.

2. If you find this pretty confusing, you're right.

Rich

DD Hazardous Materials Information System
DoD 6050.5-L
AS OF August 1993

F. . 6850
NIIN: 00D002822
Manufacturer's CAGE: 0CD22
Part No. Indicator: A
Part Number/Trade Name: PERCHLOROETHYLENE

General Information

Item Name: DRY CLEANING SOLVENT
Manufacturer's Name: VAN WATERS AND ROGERS INC DIV OF UNIVAR CORP
Manufacturer's Street: 9733 COACH ROAD
Manufacturer's P. O. Box:
Manufacturer's City: RICHMOND
Manufacturer's State: VA
Manufacturer's Country: US
Manufacturer's Zip Code: 23237
Manufacturer's Emerg Ph #: 804-743-0540
Manufacturer's Info Ph #: 804-743-0540
Distributor/Vendor # 1:
Distributor/Vendor # 1 Cage:
Distributor/Vendor # 2:
Distributor/Vendor # 2 Cage:
Distributor/Vendor # 3:
Distributor/Vendor # 3 Cage:
Distributor/Vendor # 4:
Distributor/Vendor # 4 Cage:
Safety Data Action Code:
Safety Focal Point: D
Record No. For Safety Entry: 001
Tot Safety Entries This Stk#: 002
Status: SE
Date MSDS Prepared: 06SEP90
Safety Data Review Date: 04NOV92
Supply Item Manager: CX
MSDS Preparer's Name:
Preparer's Company:
Preparer's St Or P. O. Box:
Preparer's City:
Preparer's State:
Preparer's Zip Code:
Other MSDS Number:
MSDS Serial Number: BJSFM
Specification Number: P-D-680
Spec Type, Grade, Class: TY I
Hazard Characteristic Code: T4
Unit Of Issue: CN
Unit Of Issue Container Qty: 5 GAL
Type Of Container: CAN
Net Unit Weight: 67 LBS
NRC/State License Number:
Net Explosive Weight:
N Propellant Weight-Ammo:
Coast Guard Ammunition Code:

Ingredients/Identity Information

Proprietary: NO
Ingredient: PERCHLOROETHYLENE (TETRACHLOROETHYLENE) (SARA III)
Ingredient Sequence Number: 01
Percent: 99.5
Ingredient Action Code:
Ingredient Focal Point: D
NIOSH (RTECS) Number: KX3850000
CAS Number: 127-18-4
OSHA PEL: 25 PPM
ACGIH TLV: 50 PPM/200 STEL;9192
Other Recommended Limit: NONE SPECIFIED

Proprietary: NO
Ingredient: CARBON TETRACHLORIDE (SARA III)
Ingredient Sequence Number: 02
Percent: < 2 PPM
Ingredient Action Code:
Ingredient Focal Point: D
NIOSH (RTECS) Number: FG4900000
CAS Number: 56-23-5
OSHA PEL: 2 PPM
ACGIH TLV: S, 5 PPM; A2; 9192
Other Recommended Limit: NONE SPECIFIED

Proprietary: NO
Ingredient: EPICHLOROHYDRIN (SARA III)
Ingredient Sequence Number: 03
Percent: 0.1
Ingredient Action Code:
Ingredient Focal Point: D
NIOSH (RTECS) Number: TX4900000
CAS Number: 106-89-8
OSHA PEL: S, 2 PPM
ACGIH TLV: S, 2 PPM; 9192
Other Recommended Limit: NONE SPECIFIED

Proprietary: NO
Ingredient: OXIRANE, ((1,1-DIMETHYLETHOXY)METHYL)-
Ingredient Sequence Number: 04
Percent: 0.5
Ingredient Action Code:
Ingredient Focal Point: D
NIOSH (RTECS) Number: RR0475000
CAS Number: 7665-72-7
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED
Other Recommended Limit: NONE SPECIFIED

Physical/Chemical Characteristics

Appearance And Odor: CLEAR, COLORLESS LIQUID,CHARACTERISTIC "DRY CLEANING"
O R
Boiling Point: 250F,121C
Melting Point: -10F,-23C

Vapor Pressure (MM Hg/70 F): 13
Vapor Density (Air=1): 5.8 AIR=1
Specific Gravity: 1.620
Decomposition Temperature: UNKNOWN
Evaporation Rate And Ref: <1 (N-BUTYL ACETATE=1)
Solubility In Water: <0.01
Percent Volatiles By Volume: 100
Viscosity:
pH: N/R
Radioactivity:
Form (Radioactive Matl):
Magnetism (Milligauss):
Corrosion Rate (IPY): UNKNOWN
Autoignition Temperature: N/R

Fire and Explosion Hazard Data

Flash Point: N/R
Flash Point Method: N/R
Lower Explosive Limit: N/R
Upper Explosive Limit: N/R
Extinguishing Media: USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL AS APPROPRIATE FOR SURROUNDINGS.
Special Fire Fighting Proc: FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.
Unusual Fire And Expl Hazrds: FIRE OR EXCESSIVE HEAT MAY CAUSE PRODUCTION OF HAZARDOUS DECOMPOSITION PRODUCTS INCLUDING PHOSGENE AND HYDROGEN CHLORIDE.

Reactivity Data

Stability: YES
Cond To Avoid (Stability): HIGH TEMPERATURES, SPARKS, AND OPEN FLAMES. HIGH PRESSURE ALUMINUM SYSTEMS.
Materials To Avoid: STRONG OXIDIZING AGENTS. ACTIVE METALS (SODIUM, POTASSIUM, LITHIUM, ZINC, ALUMINUM, BARIUM ETC.)
Hazardous Decomp Products: WHEN INVOLVED IN FIRE, TETRACHLOROETHANE EMITS HIGHLY TOXIC AND IRRITATING HYDROGEN CHLORIDE AND PHOSGENE FUMES.
Hazardous Poly Occur: NO
Conditions To Avoid (Poly): NOT APPLICABLE

Health Hazard Data

LD50-LC50 Mixture: ORAL LD50 (RAT) = 5000 MG/KG
Route Of Entry - Inhalation: YES
Route Of Entry - Skin: YES
Route Of Entry - Ingestion: YES
Health Haz Acute And Chronic: ACUTE: MAY CAUSE EYE & SKIN IRRITATION. MAY CAUSE RESPIRATORY TRACT IRRITATION. CENTRAL NERVOUS SYSTEM DEPRESSANT. LOSS OF CONSCIOUSNESS AND EVEN DEATH CAN OCCUR AT HIGH LEVELS OF EXPOSURE. CHRONIC:LIVER AND KIDNEY DAMAGE. ASPIRATION HAZARD DO NOT INDUCE VOMITING. PROBABLE CANCER HAZARD.
Carcinogenicity - NTP: YES
Carcinogenicity - IARC: YES
Carcinogenicity - OSHA: NO
Explanation Carcinogenicity: LISTED AS A CARCINOGEN BY NTP AND IARC.

Signs/Symptoms Of Overexp: INCOORDINATION AND IMPAIRED JUDGMENT MAY OCCUR AT VAPOR EXPOSURES FROM 200 PPM. DIZZINESS, DROWSINESS, AND GENERAL ANESTHETHIC EFFECTS MAY OCCUR IN RANGES OF 1000 PPM AND HIGHER.
Med Cond Aggravated By Exp: EYE/SKIN/RESPIRATORY CONDITIONS MAY BE AGGRAVATED BY EXPOSURE. MAY CAUSE CANCER.
Emergency/First Aid Proc: INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE CPR. IF BREATHING IS DIFFICULT, GIVE OXYGEN. CALL A PHYSICIAN. EYE: FLUSH IMMEDIATELY WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES. GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER PROMPTLY. INGESTION: DO NOT INDUCE VOMITING. GIVE MILK OR USP MINERAL OIL. GET IMMEDIATE MEDICAL ATTENTION.

Precautions for Safe Handling and Use

Steps If Matl Released/Spill: SMALL SPILL: WIPE UP WITH RAGS OR TOWELS. LARGE SPILLS: WEAR NIOSH APPROVED RESPIRATOR. VENTILATE AREA. DIKE TO RETAIN FLUID. PUMP UP FREE LIQUID. RESIDUE WILL EVAPORATE QUICKLY. DO NOT FLUSH TO SEWER OR WATERWAY.
Neutralizing Agent: NONE
Waste Disposal Method: CLEAN-UP DEBRIS WILL LIKELY BE A LAND-BANNED HAZARDOUS WASTE. (CODE=F002) DISPOSAL WILL BE IN ACCORD WITH APPLICABLE REGULATIONS.
Precautions-Handling/Storing: STORE IN A COOL, DRY, WELL-VENTILATED LOCATION, AWAY FROM ANY AREA WHERE THE FIRE HAZARD MAY BE ACUTE. KEEP CONTAINERS CLOSED WHEN NOT IN USE.
Other Precautions: DO NOT USE WITH PRESSURIZED ALUMINUM SYSTEMS. READ AND FOLLOW DIRECTIONS ON LABEL. DO NOT REUSE CONTAINERS. AVOID WELDING, BRAZING, DRILLING, SOLDERING AND OTHER HIGH TEMPERATURE AND SPARK CONDITIONS AROUND THIS PRODUCT.

Control Measures

Respiratory Protection: IN HIGH VAPOR AREA, USE NIOSH/MSHA APPROVED RESPIRATOR WITH ORGANIC VAPOR CARTRIDGE. USE SELF-CONTAINED BREATHING APPARATUS IF ALLOWABLE VAPOR LEVELS ARE EXCEEDED.
Ventilation: LOCAL EXHAUST RECOMMENDED TO CONTROL VAPORS BELOW 50% OF TLV.
Protective Gloves: NEOPRENE, PVA GLOVES RECOMMENDED.
Eye Protection: USE CHEMICAL SAFETY GOGGLES.
Other Protective Equipment: APRON AND WORK CLOTHING TO MINIMIZE EXPOSURE. EYE WASH STATION & SAFETY SHOWER RECOMMENDED.
Work Hygienic Practices: WASH THOROUGHLY AFTER USE AND BEFORE EATING, SMOKING OR USING TOILET FACILITIES. DO NOT BREATH VAPORS OR MIST.
Suppl. Safety & Health Data: TARGET ORGANS ARE SKIN, CNS, CVS, AND EYES. STORE IN COOL,DRY PLACE. MATERIAL DOES NOT MEET PD680A STANDARDS (CHLORINATED!).

RCRA-16 6

Please print or type (Form designed for use on elite (12-pitch) typewriter)

Form Approv

UNIFORM HAZARDOUS WASTE MANIFEST

1 Generator's US EPA ID No: VA1 170024722 | Manifest Document No: 14975 | 2. Page 1 of | is not required by Federal law

3 Generator's Name and Mailing Address
NREA BR. ENV. AFFAIRS OFFICE EMERG #703-784-2636
3040 MCCAWLEY AVE SUITE 2
QUANTICO VA 22134-5053
703 784-4030
4 Generator's Phone ( )

A. State Manifest Document Number
B State Generator's ID

5 Transporter 1 Company Name: SAFETY-KLEEN CORP. | 6 US EPA ID Number: ILD 984908202
C. State Transporter's ID: ILD984908202
D. Transporter's Phone: 703 331-0516

7. Transporter 2 Company Name | 8 US EPA ID Number
E. State Transporter's ID
F Transporter's Phone

9. Designated Facility Name and Site Address: 315401
SAFETY-KLEEN CORP.
1200 W 100 RD
CHESTER, VA 23831
10 US EPA ID Number: VAD 981043011
G. State Facility's ID
H Facility's Phone: 804 748-3767

	11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	HM	12 Containers No.	12 Containers Type	13 Total Quantity	14 Unit Wt/Vol	I Waste No.
a.	WASTE COMPOUNDS, CLEANING LIQUID (MONOETHANOLAMINE)8 NA1760 PGIII(D006) (D008,D018,D027D039D040)(ERG#154)7.9#/GL	X	4	DM	24	G	~~D006~~ D008
b.	WASTE COMBUSTIBLE LIQUID, N.O.S. (PETROLEUM NAPHTHA) NA1993 PGIII (D039,D008,D018,D040)(ERG#128)6.7#/GAL	X	3	DM	54	G	~~D039~~ D008
c.	WASTE COMBUSTIBLE LIQUID, N.O.S. (PETROLEUM NAPHTHA) NA1993 PGIII (D039,D008,D018,D040)(ERG#128)6.7#/GAL	X	5	DF	20	G	~~D039~~ D008
d.							

J. Additional Descriptions for Materials Listed Above
IA) D018 D027 D039 D040 IB) D018 D040 IC) D018 D040

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
MFST R/T# 93899534 2-058-01-1089
EMERGENCY RESP 800-468-1760(24 HR). IF UNDELIVERABLE RETURN TO GEN. 97-31.
SK CORP AUTHORIZED TO RETAIN LICENSED SUBSEQUENT CARRIERS AS NECESSARY.
SKDOT# A: 950 B: 975 C: 975 D:

GENERATOR

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

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

Printed/Typed Name	Signature	Date Month	Day	Year
Kristine M Stein		7	29	97

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year
Chris Carole		7	29	97

18 Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year

FACILITY

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Date Month	Day	Year
Rusty Haynie		8	6	97

EPA Form 8700-22 (Rev 9-88) previous editions obsolete

SAFETY KLEEN CORP

30290

6

Public reporting burden for this collection of information is estimated to average 40 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate, including suggestions for reducing this burden, to Chief, Information Policy Branch, PM-223, U.S. Environmental Protection Agency, 401 M Street, SW, Washington, DC 20460; and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503.

SAFETY-KLEEN CORP. (DESIGNATED FACILITY) EPA ID NO. VAD9810430[illegible]

[illegible] DESIGNATED FACILITY [illegible]

ADDRESS: [illegible] CHESTER VA 23831

Under manifest/sales service number [illegible] the generator noted below is shipping to you a waste determined to be restricted under 40 CFR Part 268. In accordance with 40 CFR Part 268.7, the generator hereby provides notice that the waste is restricted from land disposal. A copy of this form must be kept by the generator and facility for five (5) years from the date of waste shipment.

PLEASE ✓ THE APPROPRIATE BOXES BELOW

WASTE NAME (FOR NON-WASTE WATER)	WASTE CODE	THE WASTE MAY CONTAIN THE FOLLOWING RESTRICTED CONSTITUENTS	TREATMENT STANDARD OR METHOD
☐ Waste Petroleum Naphtha 105	D001	Ignitable Liquid (High TOC Subcategory)	Combustion (CMBST)
		Halogenated Organic Compounds (HOC's)≥1000 mg/l	or recovery (RORGS)(40 CFR 268.42)(non-waste water)
	D006	Cadmium	1.0 (non-waste water) MG/L
	D008	Lead	5.0 (non-waste water) MG/L
	D018	Benzene	10 (non-waste water) MG/KG
	D027	1, 4-Dichlorobenzene	6.0 (non-waste water) MG/KG
	D039	Tetrachloroethylene	6.0 (non-waste water) MG/KG
	D040	Trichloroethylene	6.0 (non-waste water) MG/KG
☐ Waste Petroleum Naphtha 140	D001	Ignitable Liquid (High TOC Subcategory)	CMBST, or RORGS (40 CFR 268.42)(non-waste water)
	D006	Cadmium	1.0 (non-waste water) MG/L
	D008	Lead	5.0 (non-waste water) MG/L
	D018	Benzene	10 (non-waste water) MG/KG
	D039	Tetrachloroethylene	6.0 (non-waste water) MG/KG
☐ Actrel Solvent (If customer specific TCLP is not available)	D006	Cadmium	1.0 (non-waste water) MG/L
	D008	Lead	5.0 (non-waste water) MG/L
	D018	Benzene	10 (non-waste water) MG/KG
	D039	Tetrachloroethylene	6.0 (non-waste water) MG/KG
	D040	Trichloroethylene	6.0 (non-waste water) MG/KG
☐ Aqueous Parts Washer	D006	Cadmium	1.0 (non-waste water) MG/L
	D039	Tetrachloroethylene	6.0 (non-waste water) MG/KG
☑ Waste Petroleum Naphtha 150	D008	Lead	5.0 (non-waste water) MG/L
	D018	Benzene	10 (non-waste water) MG/KG
	D039	Tetrachloroethylene	6.0 (non-waste water) MG/KG
	D040	Trichloroethylene	6.0 (non-waste water) MG/KG
☐ Aqueous Brake Cleaner	D006	Cadmium	1.0 (non-waste water) MG/L
	D039	Tetrachloroethylene	6.0 (non-waste water) MG/KG
	D040	Trichloroethylene	6.0 (non-waste water) MG/KG
☑ Waste Petroleum Naphtha (sludges from Safety-Kleen Service Center Operations)	D001	Ignitable Liquid (High TOC Subcategory)	CMBST, or RORGS (40 CFR 268.42)(non-waste water)
	D006	Cadmium	1.0 (non-waste water) MG/L
	D008	Lead	5.0 (non-waste water) MG/L
	D039	Tetrachloroethylene	6.0 (non-waste water) MG/KG
☐ Photo Imaging	D011	Silver	5.0 (non-waste water) MG/L
☐ Waste Compound Cleaning Liquid/ Immersion cleaner 699	D006	Cadmium	1.0 (non-waste water) MG/L
	D008	Lead	5.0 (non-waste water) MG/L
	D018	Benzene	10 (non-waste water) MG/KG
	D027	1, 4-Dichlorobenzene	6.0 (non-waste water) MG/KG
	D039	Tetrachloroethylene	6.0 (non-waste water) MG/KG
	D040	Trichloroethylene	6.0 (non-waste water) MG/KG
☐ Waste Gasoline Filters	D001	Ignitable Liquid (High TOC Subcategory)	CMBST, or RORGS (40 CFR 268.42)(non-waste water)
	D018	Benzene	10 (non-waste water) MG/KG

OPTIONAL STATE LIST

MACHINE NUMBER	SPECIFIC GRAVITY	EXCESS FLUID IN DRUM? (MS>2/3)(C>1/3)(Y/N)	OFF-COLOR? (Y/N)	MORE THAN 30% SOLIDS? (Y/N)	UNUSUAL ODOR? (Y/N)	UNUSUAL MATERIALS INCLUDED/ADDED? (Y/N)
[illegible]						
[illegible]						

SPECIFIC GRAVITY ACCEPTANCE GUIDELINES

SALES REPRESENTATIVE SIGNATURE (FOR OPTIONAL STATE INFORMATION) ** NO SIGNATURE REQUIRED **

The constituent composition is based on knowledge of the waste (via Material Safety Data Sheets for the chemical(s) used, and the process which created the waste)

*** These treatment standards do not preclude reclamation prior to final disposition.**

Generator Company CER EPA ID NO VAD1705[illegible]

I am [illegible] this waste [illegible] and I am [illegible] programs in accordance with all applicable elements of the land disposal restriction

RCRA-16

and Environment

Bureau of Solid & Hazardous Waste
2600 Bull Street Columbia SC 29201
Phone (803) 734-5200
Emergency & Holidays (803)253-64

PLEASE PRINT or TYPE (Form designed for use on elite (12-pitch) typewriter) Form Approved OMB No 2050-0039 Expires 9

UNIFORM HAZARDOUS WASTE MANIFEST

1 Generator's U.S. EPA ID No. V A 1 1 7 0 0 2 4 7 2 2 — Manifest Document No. 9 5 5 1 7

2 Page 1 of 1

Information in the shaded areas required by Federal law but is by Sta

GENERATOR

3 Generator's Name and Mailing Address: Marine Corps Base
NREA Branch
3040 McCawley Ave, Quantico VA 22134

4 Generator's Phone (703) 784-4030

Earth Tech
2229 Tomlyn St.
Richmond, VA 23230

A. State Manifest Document Number

B. State Generator's ID

5 Transporter 1 Company Name: Laidlaw Environmental Services (TG) Inc.

6 U.S. EPA ID Number: S C D 9 8 7 5 7 4 6 4 7

C. State Transporter's ID

D. Transporter's Phone 803-452-5550

7 Transporter 2 Company Name

8 U.S. EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9 Designated Facility Name and Site Address: Laidlaw Environmental Services of South Carolina, Inc.
Rt. 1 Box 255
Pinewood, South Carolina 29125

10 U.S. EPA ID Number: S C D 0 0 0 7 3 9 8 5

G. State Facility's ID

H. Facility's Phone (803) [illegible]03

11 U.S. DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12 Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Numb
a. RQ, Hazardous Waste, Solid, N.O.S., 9, NA 3077 Pg 111 (Lead)	0 0 1	RO DF	1 1 2 0 0	Lbs	D 0 0 8
b.		M			
c.					
d.					

J. Additional Descriptions for Materials Listed Above

a P W - 0 6 3 1 4 - 4 1 0 1

b

c

d

K. Handling Codes for Wastes Listed Above

15 Special Handling Instructions and Additional Information

WO 205 796

24 Hr. Emergency Contact

Public reporting burden for this collection of information is estimated to average 37 minutes for generators, 15 minutes for transporters and 1 hour for treatment, storage and disposal facilities. This includes time for reviewing instructions, gathering data and completing and reviewing the form. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Chief, Information Policy Branch, PM 223, U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, D.C. 20460, and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, D.C. 20503.

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 and the laws of the State of South Carolina.

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

Printed/Typed Name: DONALD B. WEAVER

Signature: Donald B. Weaver

Month Day Ye: 10 16 10 7 96

TRANSPORTER

17 Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Wibet Washington

Signature: Wibet Washington

Month Day Ye: 10 16 96

18 Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Ye

FACILITY

19. Discrepancy Indication Space

a 1 1 2 0 0 lbs c

b lbs d

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

Printed/Typed Name: CAROLINE MOSES

Signature: Caroline Moses

Month Day Y: 10 16 96

EPA Form [illegible]

South Carolina Department of Health and Environmental Control

Bureau of Solid & Hazardous Waste
2600 Bull Street Columbia SC 29201
Phone (803) 734-5200
Emergency & Holidays (803)253-6488

PLEASE PRINT or TYPE (Form designed for use on elite (12 pitch) typewriter) Form Approved OMB No 2050-0039 Expires

UNIFORM HAZARDOUS WASTE MANIFEST

1 Generator's U.S. EPA ID No: V A 1 1 7 0 0 2 4 7 2 2 — Manifest Document No: 7 5 5 1 7

2 Page 1 of 1

Information in the shaded areas required by Federal law but is by Sta

3 Generator's Name and Mailing Address: Marine Corps Base
INREA Branch
3040 McCawley Ave, Quantico VA 22134

Earth Tech
2229 Tomlyn St.
Richmond, VA 23230

A. State Manifest Document Number:

B. State Generator's ID:

4 Generator's Phone: (703) 784-4030.

5 Transporter 1 Company Name: Laidlaw Environmental Services (TG) Inc.

6. U.S. EPA ID Number: S C D 9 8 7 5 7 4 6 4 7

C State Transporter's ID:

D Transporter's Phone: 803-[illegible]

7 Transporter 2 Company Name:

8 U.S. EPA ID Number:

E State Transporter's ID:

F Transporter's Phone:

9 Designated Facility Name and Site Address: Laidlaw Environmental Services of South Carolina, Inc.
Rt. 1 Box 255
Pinewood, South Carolina 29125

10 U.S. EPA ID Number: S C D 0 1 0 0 1 7 3 6 5

G. State Facility's ID:

H Facility's Phone: (803) [illegible]103

11 U.S. DOT Description (including Proper Shipping Name, Hazard Class and ID Number)	12 Containers No.	Type	13. Total Quantity	14 Unit Wt/Vol	I Waste Num
a. RQ, Hazardous Waste, Solid, N.O.S., 9, NA 3077 Pg 111 (Lead)	0 0 1	RO	1 1 2 0 0	Lbs	D 0 0 0
b					
c					
d					

J Additional Descriptions for Materials Listed Above

a P.W. - 0 6 3 1 4 - 4 1 0 1

b

c

d

K. Handling Codes for Wastes Listed Above

15 Special Handling Instructions and Additional Information

WO 205 796

24 Hr. Emergency Contact

Public reporting burden for this collection of information is estimated to average 30 minutes for generators, 15 minutes for transporters, and 1 hour for treatment, storage and disposal facilities. This includes time for reviewing instructions, gathering data, completing and reviewing the form. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Chief, Information Policy Branch, PM 223, U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, D.C. 20460 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, D.C. 20503.

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 and the laws of the State of South Carolina.

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

Printed/Typed Name: DONALD B. WEAVER

Signature: Donald B. Weaver

Month Day Ye: 10/10/[illegible]

17 Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: [illegible] Washington

Signature: [illegible] Washington

Month Day Ye: 10/10/9[illegible]

18 Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name:

Signature:

Month Day Ye:

19. Discrepancy Indication Space

Tons c

lbs d

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

Printed/Typed Name:

Signature:

Month Day

ENVIRONMENTAL SERVICES

FORM A

Customer Notification And Certification

Generator Name/Location: Federal Bureau of Investigation

EPA I.D. Number: VA1170024722

Waste Profile or ARF Designation: PW-06314-4101

Manifest Number: 95517

EPA Waste Number(s): D008

Waste Analysis Available? Yes (attached) _____ No X On file at receiving facility _____

Unrestricted Waste Notification (*Category 1*)

Mark the statement below if you generate a waste that is not a land disposal restricted waste (the waste has no applicable treatment standards).

☐ *I notify that I am familiar with the waste through analysis and testing or through knowledge of the waste to support this notification that the waste is not restricted as specified in 40 CFR §268, Subpart D or any applicable prohibitions set forth in 40 CFR §268.32 or RCRA Section 3004(d).*

Restricted Waste/Debris Notification (*Category 2*)

Mark statement (2a) below if you generate a waste that is restricted from land disposal (the waste has applicable treatment standards). NOTE-1: A waste may pass one or more standards and require treatment or be varianced for others. In this case, all applicable categories must be checked. NOTE-2: D001, D002 and D012 - D043 wastes must be evaluated for underlying constituents found in 40 CFR §268. 48 (Table UTS), that are reasonably expected to be present. A list of these constituents must be included on FORM B, or attached to and accompany this notification with each waste shipment. Mark statement (2b) if you generate a debris waste that will be treated to the alternate debris standards located in 40 CFR §268.45.

☒ **(2a) Restricted Waste Notification**

I notify that I am familiar with the waste through analysis and testing or through knowledge of the waste to support this notification that the waste is subject to the treatment standards specified in 40 CFR §268 Subpart D. The waste: (a) must be treated to the appropriate regulatory treatment standard, by the appropriate regulatory treatment method; (b) qualifies for a variance as described in category 3 below; or (c) meets some or all of the standards as described in Category 4 below.

☒ **(2b) Alternate Debris Treatment Notification: This hazardous debris is subject to the alternate treatment standards of 40 CFR §268.45.**

The waste contains the following contaminants subject to treatment [check all that apply]:

X §268.45(b)(1) - Toxicity characteristic debris;

_____ §268.45(b)(2) - Debris contaminated with listed waste;

_____ §268.45(b)(3) - Cyanide reactive debris.

Restricted Waste Variance Notification (*Category 3*)

Mark the statement below and list the applicable variance date on Form B, if you generate a waste which does not require treatment prior to land disposal because of a variance (including a case-by-case extension under 40 CFR §268.5, a nationwide variance under 40 CFR §268 Subpart C, a no migration petition under 40 CFR §268.6, or other applicable variance).

☐ *I notify pursuant to 40 CFR §268.7(a)(3) that I am familiar with the waste through analysis and testing or through knowledge of the waste to support this notification that this waste is subject to a national capacity variance under 40 CFR §268 Subpart C, or a case-by-case extension under 40 CFR §268.5, or an exemption under 40 CFR §268.6.*

Restricted Waste Certification (Treatment Standards Met) (*Category 4*)

Mark the certification statement below if you generate a waste that is restricted from land disposal (the waste has applicable treatment standards), and the waste meets the standards as generated. Note: All applicable constituent standards must be accounted for. A waste may pass one or more standards and require treatment or be variance for other constituents. In this case, all applicable categories must be checked.

☐ *I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA § 3004(d). I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.*

SIGNATURE: Donald B. Weaver by Todd FOK DATE: 12/07/16

PRINT NAME: DONALD B. WEAVER TITLE: FBI

FORM B1 *(Must be accompanied by Form*

Generator Name/Location Federal Bureau of Investigation/ Quantico VA **Page** 2 **of** _

EPA I.D. Number : VA1170024722 **Manifest :** 95517

Waste Profile or ARF	Category No.	EPA or State Waste Code	Variance Date	Description/Sub Category	Treatability Group (WW or NWW)	Waste Constituents or Legend #
06314-4101	2a b	D008		268.45(b)(7)	WW	LEAD

CONSTITUENTS IN SOLVENT, CALIFORNIA LIST AND CHARACTERISTIC WASTES.

F001 - F005 spent solvents

Legend #	Constituent Name
1	Acetone
2	Benzene
3	n-Butyl alcohol
*4	Carbon disulfide
5	Carbon tetrachloride
6	Chlorobenzene
7	Cresol (m-and p-isomers)
8	o-Cresol
*9	Cyclohexanone
10	1,2-Dichlorobenzene
11	Ethyl Acetate
12	Ethyl Benzene
13	Ethyl Ether
14	Isobutyl alcohol
*15	Methanol
16	Methylene Chloride
17	Methyl Ethyl Ketone
18	Methyl isobutyl ketone
19	Nitrobenzene
20	Pyridine
21	Tetrachloroethylene
22	Toluene
23	1,1,1-Trichloroethane
24	1,1,2-Trichloroethane
25	Trichlorothylene
26	1,1,2-Trichloro-1,2,2-trifluoroethane
27	Trichloromonofluoro-methane
28	Xylenes (total)

Legends 29-31 RESERVED

** If these constituents are present alone or in any combination of the three, then non waste water forms of these constituents must be treated to TCLP levels as indicated in §268.40.*

Technology-Based standards For F005 when the constituent is the only listed F00-F005 solvent

Legend #	Constituent Name
32	2-Ethoxyethanol
33	2-Nitropropane

Legends 34-43 RESERVED

CALIFORNIA LIST WASTES

Legend #	Constituent Name
44	Nickel
45	Thallium
46	Cyanide (Liquid)
47	Liquid Polychlorinated Biphenyls (PCB's)
48	Halogenated Organic compounds (HOC's)

SEE BACK FOR THE UNIVERSAL TREATMENT STANDARDS (UTS), **Legends 49 - 264**

LAIDLAW ENVIRONMENTAL SERVICES

Sorbent Notification/Certification

FORM

Generator Name: Federal Bureau of Investigation

EPA I.D. Number: VA1170024722

Waste Profile or ARF Number: FW-06314-4101

Manifest Number: 40517

Please check the box below which indicates whether or not sorbents have been added to the waste.

☒ Sorbents (ie. material that is used to soak up free liquids by either absorption or adsorption, or both) **have not** been added to the waste stream(s) described on the accompanying manifest which are represented above.

☐ Sorbents (ie. material that is used to soak up free liquids by either absorption or adsorption, or both) **have** been added to the waste stream(s) described on the accompanying manifest which are represented above. I certify that the sorbent agents added to this waste are considered non-biodegradable as defined in 40 CFR Sections 264.314 and/or 265.314.

☐ Biodegradable sorbents (ie. material that is used to soak up free liquids by either absorption or adsorption, or both) have been added to the waste stream(s) described on the accompanying manifest which are represented above. The sorbed waste must be incinerated or further treated with appropriate non-biodegradable chemical reagents prior to land disposal.

☐ Biodegradable sorbents (ie. material that is used to soak up free liquids by either absorption or adsorption, or both) have been added to the waste stream(s) described on the accompanying manifest which are represented above. I certify that the sorbed waste has been treated with appropriate non-biodegradable chemical reagents and that the resultant material passes the Paint Filter Test.

Signature: Donald B. Weaver MR Nosil FOR Date: 06/07/96

Printed Name: DONALD B. WEAVER Title: FBI

LAIDLAW REQUEST/PERMISSION FORM

I hereby authorize Laidlaw Environmental Services, Inc. to make any required corrections or clarifications to the South Carolina Department of Health and Environmental Control (SC DHEC) Authorization Request Form (ARF)/Notice of Acceptance (NOA) number _____ in order to resolve any discrepancies that may arise and to allow the proper receipt and management of my waste. I understand that if any corrections are necessary, Laidlaw will notify me of such corrections. This is to ensure such corrections are properly noted on said document.

SIGNED: _____

Generator Representative

Title _____ Date _____

Please Sign and Fax Back, ASAP

I hereby authorize Laidlaw to make any needed corrections to South Carolina Hazardous waste Manifest Document Number 95516 and/or the associated Customer Land Disposal Restrictions Notification and Certification Form as described below.

SIGNED: M R Nold FOR DONALD B. WEAVER

Generator Representative

Title COTR Date 6/10/96

Please Sign and Fax Back, ASAP

CHANGES OR ADDITIONS MADE AT TSDF:

Please correct sections 12, 13 + 14 of both manifests to read 1 CM, 20 Y. Also, subcategory on form B1 should be 268.45(b)(1) - MCAP /

SIGNED: Kathleen Wade

TSDF Representative

Title Solutions Mgr. Date June 10, 1996

NORTH CAROLINA HAZARDOUS WASTE MANIFE KCRA-16

Please print or type (Form designed for use on elite (12-pitch) typewriter) Form App [redacted]

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. VA1117002472258 Manifest Document No 10

2. Page 1 of 3 — Information in the shaded areas is not required by Federal law

3. Generator's Name and Mailing Address
Head of Natural Resources
Environmental Affairs Branch
3040 McCawley Ave., Facility Branch
Quantico, VA. 22134-5053

AES 24Hr Emgy#
DAY#(412)486-0871
or (412)427-4648
(412)427-4629

A. State Manifest Document Number 058800

B. State Generator's ID

4. Generator's Phone (703) ~~278-4030~~ 784

5. Transporter 1 Company Name: Heritage Transport

6. US EPA ID Number: INDO584841114

C. State Transporter's ID

D. Transporter's Phone (317)243-0811

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
Heritage Environmental Services
4132 Pomano Rd.
Charlotte, NC. 28216

10 US EPA ID Number: NCD122170077

G. State Facility's ID

H. Facility's Phone (704)392-6276

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. 'RQ' Waste Adhesive 3/UN1133/PGIII 650693 (ERG# 127)	001	DM	00112	P	D001
b. Waste Flammable Liquids, N.O.S. 3/UN1993/PGIII (Acetonetrile & H2O) 650694 (ERG# 128)	001	DF	00008	P	D001
c. 'RQ' Waste Paint 3/UN1263/PGIII 650695 (ERG# 127)	002	DM	00297	P	D001
d. 'RQ' Waste Flammable Liquids, N.O.S. 3/UN1993/PGIII (Gasoline, Benzene) 653508 (ERG# 128)	001	DM	00200	P	D001, D018

J. Additional Descriptions for Materials Listed Above
a)38076-23 (1x55DM)
b)38076-19 (1x5DF)
c)38076-5 (2x55DM)
d)38076-2 (1x55DM)

K. Handling Codes for Wastes Listed Above
a)S01
b)S01
c)S01
d)S01

15. Special Handling Instructions and Additional Information SP4400-96-D-0005 DO#88 96-9605-0053
AES,Inc. is this facilities hazardous waste contractor. Please route all billing and correspondence to:A.E.S.,Inc. 4068 Mt. Royal Blvd., Suite 210. Allison Park, PA. 15101.
In the event of aspill or release of hazardous waste, contact the national response center and 911. The driver has emergency response guide information. Quantico 24hr # (703)784-2637

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

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

Printed/Typed Name	Signature	Month	Day	Year
Bhasker Thaker/CindyBridges	BThaker/CindyBridges	03	20	97

TRANSPORTER

17 Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
BENJY Edwards	Benjy Edwards	03	20	97

18 Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19 Discrepancy Indication Space

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

Printed/Typed Name	Signature	Month	Day	Year
Shawn Hicks	[signature]	04	03	97

EPA Form 8700-22 (Rev 11-88) Previous editions are obsolete

INSTRUCTIONS ON BACK SHEET

NORTH CAROLINA HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12-pitch) typewriter) Form Approved OMB No 2050 0039

UNIFORM HAZARDOUS WASTE MANIFEST *(Continuation Sheet)*

21 Generator's US EPA ID No: VA1170024722 | Manifest Document No: 58800

22 Page: 2 of 3 | Information in the shaded areas is not required by Federal law

23 Generator's Name
Head of Natural Resources
Environmental Affairs Branch
3040 McCawley Ave., Facility Branch
Quantico, VA. 22134 (703)~~XXX~~784-4030

AES 24Hr#
(412)486-0871
(412)427-4648
(412)427-4629

L. State Manifest Document Number: 058800-2

M. State Generator's ID:

24 Transporter 1 Company Name: Heritage Transport

25 US EPA ID Number: IND058484114

N. State Transporter's ID:

O. Transporter's Phone: (317)243-0811

26 Transporter ___ Company Name:

27 US EPA ID Number:

P. State Transporter's ID:

Q. Transporter's Phone:

	28 US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	29 Containers No.	Type	30 Total Quantity	31 Unit Wt. Vol.	R. Waste No.
a	'RQ' Waste Adhesives 3/UN1133/PGIII (ERG# 127) 650693	002	DF	00288	P	D001
b	'RQ' Waste Paint 3/UN1263/PGIII (Recycle) (ERG# 127) 650695	001	DF	00247	P	D001
c	'RQ' Waste Paint 3/UN1263/PGIII (Recycle) (ERG# 127) 650695	007	DM	02530	P	D001
d.	~~RQ~~ Waste Petroleum Distillates, N.O.S. 3/UN1268/PGIII (Fuel) (ERG# 128) 650696	002	DF	00175	P	D001
e	'RQ' Waste Hydrochloric Acid, Solution 8/UN1789/PGII (PH=1.0) (ERG# 157) 653398	007	DF	03134	P	D002
f.	'RQ' Waste Sulfuric Acid 8/UN2796/PGII (PH=0.0) (ERG# 157) 653399	001	DF	00176	P	D002
g	'RQ' Hazardous Waste ~~Liquid~~ N.O.S. 9/NA~~3082~~/PGIII (Chromium) (ERG# 171) 650699	001	DF	00394	P	D007
h	'RQ' Waste Mercury 8/UN2809/PGII (ERG# 172) 650697	001	DF	00001	P	D009
i	Waste Lithium Battery 9/UN3090/PGII (ERG# 138) 650698	001	DF	00010	P	D001,D003

GENERATOR

S. Additional Descriptions for Materials Listed Above
a)38076-23 (2x30DF) b)38076-5 (1x30DF) c)38076-5(5x55,1x85,1x30DM)
d)38076-47 (2x30DF) e)38076-61 (7x55DF) f)38076-62 (1x30DF) g)38076-13(1x85DF) h)38076-37 (1x5DF) i)38076-26(1x5DF)

T. Handling Codes for Wastes Listed Above
a)S01 b)S01 c)S01 d)S01 e)S01 f)S01 g)S01 h)S01 i)S01

Quantico 24 hr # = (703)784-2637

SP4400-96-D-0005 DO#88 96-9605-0053

32 Special Handling Instructions and Additional Information
AES,Inc. is this facilities hazardous waste contractor. Please route all billing and correspondence to:A.E.S.,Inc. 4068 Mt. Royal Blvd., Suite 210, Allison Park, PA. 15101. In the event of a s pill or release of h azardous waste, contact hte national response center and 911. The driver h as emergency response guide information.

TRANSPORTER

33 Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: BETTY Edwards | Signature: Betty Edwards | Date: 03 20 97

34 Transporter ___ Acknowledgement of Receipt of Materials

Printed/Typed Name: | Signature: | Date:

FACILITY

35 Discrepancy Indication Space

EPA Form 8700-22A (Rev. 11-88) Previous editions are obsolete

NORTH CAROLINA HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

Form Approved OMB No 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)	21 Generator's US EPA ID No: VA1170024722	Manifest Document No: 58800	22 Page: 3 of 3	Information in the shaded areas is not required by Federal law

23 Generator's Name
Head of Natural Resources
Environmental Affairs Branch
3040 McCawley Ave., Facility Branch
Quantico, VA. 22134
Phone#(703) ~~2086~~-4030
AES 24Hr#
(412)486-0871
(412)427-4648
(412)427-4629

L. State Manifest Document Number: 058800-3

M. State Generator's ID:

24. Transporter / 784 Company Name: Heritage Transport

25 US EPA ID Number: IND058484114

N. State Transporter's ID:

O. Transporter's Phone: (317)243-0811

26 Transporter ___ Company Name:

27 US EPA ID Number:

P. State Transporter's ID:

Q. Transporter's Phone:

	28 US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	29 Containers No	Type	30 Total Quantity	31 Unit Wt/Vol	R. Waste No.
a.	'RQ' Hazardous Waste Solid, N.O.S. 9/NA3077/PGIII (ERG# 171) (Lead Contaminated Patches) 650699	005	DM	00623	P	D008
b.	'RQ' Waste Batteries,Dry,Containing Potassium Hydroxide Solid (ERG# 154) 8/UN3028/PGIII (Nicad Batt) 653509	001	DM	00212	P	D006
c	Waste Flammable Liquids, N.O.S. 3/UN1993/PGIII (ERG# 128) (Methanol, Acetone) 650696	002 (CB) ~~001~~	DF	00023	P	D001,F003
d	Waste Sodium Hydroxide, Solid 8/UN1823/PGII (ERG# 154) 653510	007	DM	00679	P	D002 ~~D002~~
e.	Non-Regulated Waste, Liquid (Epoxy Resin) 650701	001	DF	00022	P	NONE
f	Non-Regulated Waste, Solid (Oil Spill Absorbent) 650692	019	DM	06890 gc ~~06532~~	P	NONE
g	Non-Regulated Waste, Solid (Fuel Filters) 650691	001	DM	00094	P	NONE
h.						
i						

GENERATOR

S. Additional Descriptions for Materials Listed Above
a)38076-1 (5x55DM) b)38076-35 (1x55DM) c)38076-47
d)38076-65 (7x55DM) e)38076-8 (1x5DF) f)38076-7 (19x55DM)
g)38076-52(1x55DM) Quantico 24hr# (703)784-2637

T. Handling Codes for Wastes Listed Above
a)S01 b)S01 c)S01
d)S01 e)S01 f)S01
g)S01

SP4400-96-D-0005 DO#88 96-9605-0053

32 Special Handling Instructions and Additional Information
AES,Inc. is this facilities hazardous waste contractor. Please route all billing and correspondence to: A.E.S.,Inc. 4068 Mt. Royal Blvd., Suite 210. Allison Park, PA. 15101. In the event of a spill or release of hazardous waste, contact the national response center and911. the driver has emergency response guide informtion.

TRANSPORTER

33 Transporter / Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)
Beaty Enterprises	[signature]	03 20 97

34 Transporter ___ Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)

FACILITY

35 Discrepancy Indication Space

EPA Form 8700-22A Page 1 of 2

SERVICE LOCATION

CHARLOTTE, NC

LOT CODE: 304756

STOP CODE: 143573

HERITAGE

CORPORATE HEADQUARTERS
HERITAGE ENVIRONMENTAL SERVICES INC
7901 WEST MORRIS STREET • INDIANAPOLIS IN 46231
TELEPHONE 317/243-0811
Internet http //www.heritage-enviro com

DOCUMENT NO.	WASTESTREA
[illegible]	38074-5
PICKUP DATE	**QUOTE**
1-MAR-97	125433
PICKUP TIME	**GROUP CODE**
N/A	116043

SCALE WEIGHTS

2x55 DM

SPECIAL INSTRUCTIONS

CUSTOMER

AMERICAN ENVIRONMENTAL SERVICES, INC.

4068 MT ROYAL BOULEVARD, SUITE 210
ALLISON PARK, PA 15101
CONTACT: DAVE TORRENTE [illegible]

PURCHASE ORDER NO. | **RELEASE NO.**

DAN DAVIS

WASTESTREAM COMMON NAME

PAINT WASTE FLASH POINT <73 DEGREES #38

PRODUCT	PRODUCT DESCRIPTION	HAZARD TYPE
48	SURF FUEL DRUMS	LISTED

HAZARD CODES

F001/F002/F003/F004/F005/D001/D003/D005/D006 +

PROCESS MATRIX CODE

SYSTEM TYPE

[illegible]

DOT DESCRIPTION

WASTE PAINT, 3, UN1263, PG III, (F001,F002,F003,F004) ERG# 127

PROTECTIVE EQUIPMENT REQUIRED

CHEM RES GLVS,CHEM GLGLS,R BOOTS,FACE SHLD,PCTYVEK SUIT,RESP-ORGN CART

ADDITIONAL EQUIPMENT REQUIRED

... ADDITIONAL EQUIPMENT SPECIFIED

PUMPING DRUMS ?

N

SPECIAL INSTRUCTIONS

NO SPECIAL INSTRUCTIONS

L
O
A ARRIVAL
D
N
G DEPARTURE

GENERATOR: 38076 EPA ID NO.. VA1170024712
HEAD OF NATURAL RESOURCES
ENVIRONMENTAL AFFAIRS BRANCH PHASE EP TANNER
3040 MCCAWLEY AVE, FACILITY BRANCH
QUANTICO, VA 22134-5053 (703)278-4031

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation

SIGNATURE: PRINT NAME: DATE:

ESTIMATED QUANTITY | **UNIT**

HAZARDOUS MANIFEST NO.

GENERATOR MANIFEST NO.

38800

DRIVER	TRACTOR	TRAILER
3379	18	32-10

SPECIAL CHARGES | **INITIALS**

R
ARRIVAL
E
DEPARTURE

TRANSPORTER: 5000 EPA ID NO [illegible]
HERITAGE TRANSPORT, INC.

7901 W-ST MORRIS STREET
[illegible], IN 46231 317 [illegible]

This is to certify acceptance of this waste for transportation Carrier certifies that the equipment supplied for this shipment is a proper container for the transportation of this commodity

SIGNATURE: Steve Brown PRINT NAME: Steve Brown DATE 3-20-97

I
ARRIVAL
DEPARTURE

TSD FACILITY: [illegible] EPA ID NO [illegible]
HERITAGE ENVIRONMENTAL SERVICES

[illegible]
CHARLOTTE, NC [illegible]

This is to certify the acceptance of this waste for treatment and or disposal in accordance with all applicable regulations

SIGNATURE PRINT NAME Shawn Hicks DATE 4/3/97

EMERGENCY CHEMICAL ASSISTANCE [illegible]

NET WEIGHT | **NO. OF DRUMS**

2

GROSS GALLONS | **NET GALLONS**

SCALE UNIT | **SCALE VALUE**

UNLOAD AUTH. | **TANK COD**

LBS/GAL | **SO CODE**

SERVICE LOCATION	DOCUMENT NO.	WASTESTREAM
CHARLOTTE, NC	[illegible]	2074-17
LOT CODE: 104756	PICKUP DATE	QUO
	21-MAR-97	125441
SIOF CODE: 143573	PICKUP TIME	GROUP CODE
	N/A	116043

HERITAGE

CORPORATE HEADQUARTERS
HERITAGE ENVIRONMENTAL SERVICES, INC.
7901 WEST MORRIS STREET • INDIANAPOLIS, IN 46231
TELEPHONE 317/243-0811
Internet http://www.heritage-enviro.com

SCALE WEIGHTS

1X5DF

SPECIAL INSTRUCTIONS

CUSTOMER

AMERICAN ENVIRONMENTAL SERVICES, INC.

4069 MT ROYAL BOULEVARD, SUITE 210
ALLISON PARK, PA 15101
CONTACT: DAVE TORRENCE [illegible]

PURCHASE ORDER NO.	RELEASE NO.
DON DAVIS	

WASTESTREAM COMMON NAME

WATER CONT W/SD_VENTS,FUELS,CLEANERS,#19

PRODUCT	PRODUCT DESCRIPTION	HAZARD TYPE
49	SUPR FUEL DRUMS	LISTED

HAZARD CODES

F001/F002/F003/F004/F005/D001/D004/D005/D006 *

PROCESS MATRIX CODE

SYSTEM TYPE

(565+D) S01/S02/S50

DOT DESCRIPTION

WASTE FLAMMABLE LIQUIDS, N.O.S., 3, UN1993, PG III, (F001,F002,F003,F004) ERG# 128

PROTECTIVE EQUIPMENT REQUIRED

CHEM RES GLVS,CHEM GLGLS,R BOOTS,FACE SHLD,PCTYVEK SUIT,RESP-ORGN CART

ADDITIONAL EQUIPMENT REQUIRED

NO ADDITIONAL EQUIPMENT SPECIFIED

PUMPING DRUMS ?

N

SPECIAL INSTRUCTIONS

NO SPECIAL INSTRUCTIONS

LOADING ARRIVAL

GENERATOR: 38076 EPA ID NO.: VA1170024722
HEAD OF NATURAL RESOURCES
ENVIRONMENTAL AFFAIRS BRANCH BHASKER THALER
3040 MCCAWLEY AVE, FACILITY BRANCH
QUANTICO, VA 22134-5052 (703)278-4030

LOADING DEPARTURE

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation

SIGNATURE: PRINT NAME: DATE:

ESTIMATED QUANTITY	UNIT

HAZARDOUS MANIFEST NO.

GENERATOR MANIFEST NO.

58805

TRAVEL ARRIVAL

TRANSPORTER: 3000 EPA ID NO.: IND067884114
HERITAGE TRANSPORT, INC.
7901 WEST MORRIS STREET
INDIANAPOLIS, IN 46231 317-243-0811

DRIVER	TRACTOR	TRAILER
3374	12	32-10

TRAVEL DEPARTURE

This is to certify acceptance of this waste for transportation Carrier certifies that the equipment supplied for this shipment is a proper container for the transportation of this commodity

SPECIAL CHARGES	INITIALS
EMERGENCY RATE ____ RATE ____ IS	____
DEMURRAGE ____ HOURS	____
LABOR ____ HOURS	____
PURCHASED ____ FEET	____
PUMP ____ TIME	____

SIGNATURE: Steve Brown PRINT NAME: Steve Brown DATE 3-20-97

JOBSITE ARRIVAL

TSD FACILITY [illegible] 48 EPA ID NO: [illegible]
HERAEUS ENVIRONMENTAL SERVICES
[illegible] EDWARD ROAD
[illegible], NC [illegible]

NET WEIGHT	NO. OF DRUMS
	1

GROSS GALLONS	NET GALLONS

SCALE UNIT	SCALE VALU

UNLOAD AUTH.	TANK CODE

LBS/GAL	SD COD

JOBSITE DEPARTURE

This is to certify the acceptance of this waste for treatment and or disposal in accordance with a[illegible]e regulations

SIGNATURE [signature] PRINT NAME: [signature] DATE 4/3/97

SERVICE LOCATION: CHARLOTTE, NC

LOT CODE: 304754

STOP CODE: 143573

HERITAGE

CORPORATE HEADQUARTERS
HERITAGE ENVIRONMENTAL SERVICES, INC
7901 WEST MORRIS STREET • INDIANAPOLIS, IN 46231
TELEPHONE 317/243-0811
Internet: http://www.heritage-enviro.com

DOCUMENT NO	WASTESTREAM
[illegible]	38076-23
PICKUP DATE	QUOTE
21-MAR-97	125437
PICKUP TIME	GROUP CODE
N/A	114048

SCALE WEIGHTS: 1X55
3x30 DF

SPECIAL INSTRUCTIONS:

CUSTOMER:
AMERICAN ENVIRONMENTAL SERVICES, INC.
4068 MT ROYAL BOULEVARD, SUITE 210
ALLISON PARK, PA 15101
CONTACT: DAVE TORREJON [illegible]

PURCHASE ORDER NO.: DON DAVIS
RELEASE NO.:

WASTESTREAM COMMON NAME: ADHESIVES

PRODUCT	PRODUCT DESCRIPTION	HAZARD TYP
49	SURE FUEL TRUCK	LISTED

HAZARD CODES: F001/F002/F003/F004/F005/D001/D004/D005/D006 >

PROCESS MATRIX CODE:

SYSTEM TYPE: (S&S-D) S01/S02/T50

DOT DESCRIPTION: WASTE ADHESIVES, 3, UN1133, PG III, (F001,F002,F003,F004) ERG# 127

PROTECTIVE EQUIPMENT REQUIRED: CHEM RES GLVS,CHEM GLGLS,R BOOTS,FACE SHLD,PCTYVEK SUIT,RESP-ORGN CART

ADDITIONAL EQUIPMENT REQUIRED: NO ADDITIONAL EQUIPMENT SPECIFIED

PUMPING DRUMS ?: N

SPECIAL INSTRUCTIONS: NO SPECIAL INSTRUCTIONS

LOADING ARRIVAL

GENERATOR: 38076 EPA ID NO: VA1170024722
HEAD OF NATURAL RESOURCES
ENVIRONMENTAL AFFAIRS BRANCH PHASYER THAYER
3040 MCCAWLEY AVE, FACILITY BRANCH
QUANTICO, VA 22134-5052 (703) 278-4220

DEPARTURE

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation

SIGNATURE: PRINT NAME: DATE:

ESTIMATED QUANTITY	UNIT

HAZARDOUS MANIFEST NO.:

GENERATOR MANIFEST NO.: 38800

DRIVER	TRACTOR	TRAILER
3324	18	72-10

SPECIAL CHARGES	INITIALS
EMERGENCY RATE ___ YES ___ NO	
DEMURRAGE ___ HOURS	
LINER ___ USED	
HOSE USED ___ FEET	
PUMPING ___ HOURS	
RESPIRATOR ___ YES	

TRANSPORTER: 8000 EPA ID NO.: IND054494114
HERITAGE TRANSPORT, INC.
7901 WEST MORRIS STREET
INDIANAPOLIS, IN 46231 (317) 231-1843

TRANSPORT ARRIVAL

DEPARTURE

This is to certify acceptance of this waste for transportation. Carrier certifies that the equipment supplied for this shipment is a proper container for the transportation of this commodity

SIGNATURE: Steve Brown PRINT NAME: Steve Brown DATE: 3-20-97

NET WEIGHT	NO. OF DRUMS
	3

GROSS GALLONS	NET GALLONS

SCALE UNIT	SCALE VALUE

UNLOAD AUTH.	TANK CODE

LBS/GAL	TSD COD

TSD FACILITY: [illegible] EPA ID NO: [illegible]
HERITAGE ENVIRONMENTAL SERVICES
[illegible]
CHARLOTTE, NC [illegible]

TSD ARRIVAL

DEPARTURE

This is to certify the acceptance of this waste for treatment and or disposal in accordance with all applicable regulations

SIGNATURE: PRINT NAME: SHAWN Hicks DATE: 4/3/97

EMERGENCY CHEMICAL ASSISTANCE TELEPHONE: [illegible]

SERVICE LOCATION	DOCUMENT NO.	WASTESTREAM
CHARLOTTE NC	458446	19076-24
LOT CODE 304752	PICKUP DATE	QUOTE
	21-MAR-97	125414
STOP CODE: 143573	PICKUP TIME	GROUP CODE
	N/A	112048

CORPORATE HEADQUARTERS
HERITAGE ENVIRONMENTAL SERVICES, INC
7901 WEST MORRIS STREET • INDIANAPOLIS, IN 46231
TELEPHONE 317/243-0811
Internet http://www.heritage-enviro.com

SCALE WEIGHTS

1X5 DF

SPECIAL INSTRUCTIONS

CUSTOMER

AMERICAN ENVIRONMENTAL SERVICES, INC.

4048 MT ROYAL BOULEVARD, SUITE 210
ALLISON PARK, PA 15101
CONTACT: DAVE TORRENCE 3229

PURCHASE ORDER NO.	RELEASE NO.
DAN DAVIS	

WASTESTREAM COMMON NAME

LITHIUM SULFUR DIOXIDE BATTERIES #113

PRODUCT	PRODUCT DESCRIPTION	HAZARD TYPE
70	MATERIAL FOR REPROCESSING	CHARACTERISTIC

HAZARD CODES

D001/D003

PROCESS MATRIX CODE

SYSTEM TYPE

(580-S) S01

DOT DESCRIPTION

WASTE LITHIUM BATTERY, 9, UN3090, PG II, (D001,D003) ERG# 138

PROTECTIVE EQUIPMENT REQUIRED

NO PROTECTIVE EQUIPMENT SPECIFIED

ADDITIONAL EQUIPMENT REQUIRED

NO ADDITIONAL EQUIPMENT SPECIFIED

PUMPING DRUMS ?

N

SPECIAL INSTRUCTIONS

NO SPECIAL INSTRUCTIONS

LOADING ARRIVAL

GENERATOR: 38076 EPA ID NO.: VA1170024722
HEAD OF NATURAL RESOURCES
ENVIRONMENTAL AFFAIRS BRANCH BHASKER THALE
3040 MCCAWLEY AVE, FACILITY BRANCH
QUANTICO, VA 22134-5053 (703)278-4030

LOADING DEPARTURE

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SIGNATURE: PRINT NAME: DATE:

TRAVEL ARRIVAL

TRANSPORTER: 3000 EPA ID NO.: IND059434114
HERITAGE TRANSPORT, INC.

7901 WEST MORRIS STREET
INDIANAPOLIS, IN 46231 317/243-0811

TRAVEL DEPARTURE

This is to certify acceptance of this waste for transportation. Carrier certifies that the equipment supplied for this shipment is a proper container for the transportation of this commodity

SIGNATURE: Steve Brock PRINT NAME: Steve Brock DATE: 3-20-97

UNLOADING ARRIVAL

TSD FACILITY: 3013 EPA ID NO. NCD [illegible]
HERITAGE ENVIRONMENTAL SERVICES

[illegible]
CHARLOTTE, NC 28214

UNLOADING DEPARTURE

This is to certify the acceptance of this waste for treatment and or disposal in accordance with all applicable regulations.

SIGNATURE: PRINT NAME Shawn Hick DATE 4/3/97

ESTIMATED QUANTITY	UNIT

HAZARDOUS MANIFEST NO.

GENERATOR MANIFEST NO.

58800

DRIVER	TRACTOR	TRAILER
3379	18	3210

SPECIAL CHARGES	INITIALS
EMERGENCY RATE ____ PER DRUM ____ NO	
DEMURRAGE ____ MINUTES	
LINER ____ NO USED	
HOSE LIFT ____ FEET	
PUMPING ____ DRUMS	
MISC. ____ MISC.	

NET WEIGHT	NO. OF DRUMS
	1

GROSS GALLONS	NET GALLONS

SCALE UNIT	SCALE VALU

UNLOAD AUTH.	TANK CODE

LBS/GAL	SD CODE

SERVICE LOCATION

CHARLOTTE, NC

LOT CODE: 904758

STOP CODE: 143573

CORPORATE HEADQUARTERS
HERITAGE ENVIRONMENTAL SERVICES INC
7901 WEST MORRIS STREET • INDIANAPOLIS, IN 46231
TELEPHONE 317/243-0811
Internet http://www.heritage-enviro.com

DOCUMENT NO.	WASTESTREAM
150497	38076-37
PICKUP DATE	**QUOTE**
21-MAR-97	125434
PICKUP TIME	**GROUP CODE**
N/A	114068

SCALE WEIGHTS

1X5DF

SPECIAL INSTRUCTIONS

CUSTOMER

AMERICAN ENVIRONMENTAL SERVICES, INC.

4068 MT ROYAL BOULEVARD, SUITE 210
ALLISON PARK, PA 15101
CONTACT: DAVE TORRENCE 22123

PURCHASE ORDER NO. DAN DAVIS

RELEASE NO.

WASTESTREAM COMMON NAME

MERCURY THERMOMETERS/EXCESS MERCURY #151

PRODUCT	PRODUCT DESCRIPTION	HAZARD TYPE
42	LAB PACK ITEMS	LAB PACK WASTE

HAZARD CODES

SEE ATTACHED

PROCESS MATRIX CODE

SYSTEM TYPE

(491-D) S01/T04/T23/T31/T40/T37/T01/I85

DOT DESCRIPTION

WASTE MERCURY, 8, UN2809, PG III, (D009) ERG# 172

PROTECTIVE EQUIPMENT REQUIRED

NO PROTECTIVE EQUIPMENT SPECIFIED

ADDITIONAL EQUIPMENT REQUIRED

NO ADDITIONAL EQUIPMENT SPECIFIED

PUMPING DRUMS ?

N

SPECIAL INSTRUCTIONS

NO SPECIAL INSTRUCTIONS

LOADING — ARRIVAL

GENERATOR: 38076 EPA ID NO.: VA1170024722
HEAD OF NATURAL RESOURCES
ENVIRONMENTAL AFFAIRS BRANCH BHABIER THAPER
3040 MCCAWLEY AVE, FACILITY BRANCH
QUANTICO, VA 22134-5053 (703)278-4030

LOADING — DEPARTURE

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation

SIGNATURE: PRINT NAME DATE:

ESTIMATED QUANTITY | **UNIT**

HAZARDOUS MANIFEST NO.

GENERATOR MANIFEST NO.

38800

TRAVEL — ARRIVAL

TRANSPORTER: 8000 EPA ID NO. INC053494114
HERITAGE TRANSPORT, INC.

7901 WEST MORRIS STREET
INDIANAPOLIS, IN 46231 317 381-1848

DRIVER	TRACTOR	TRAILER
3774	18	32-16

SPECIAL CHARGES | **INITIALS**

EMERGENCY RATE ____ MILES @ ____ $ ____
DEMURRAGE ____ HOURS ____
LABOR ____ NO. USED ____
HOSE USED ____ FEET ____
PUMPING ____ DRUMS ____
PER DIEM ____ NO. DAYS ____

TRAVEL — DEPARTURE

This is to certify acceptance of this waste for transportation. Carrier certifies that the equipment supplied for this shipment is a proper container for the transportation of this commodity.

SIGNATURE: Steve Brown PRINT NAME Steve Brown DATE 3-20-97

NET WEIGHT | **NO. OF DRUMS**

1

UNLOADING — ARRIVAL

TSD FACILITY: [illegible] EPA ID NO. [illegible]
HERITAGE ENVIRONMENTAL SERVICES
[illegible]

GROSS GALLONS | **NET GALLONS**

SCALE UNIT | **SCALE VALUE**

UNLOAD AUTH. | **TANK CODE**

LBS/GAL | **TSD CODE**

UNLOADING — DEPARTURE

This is to certify the acceptance of this waste for treatment and or disposal in accordance with all applicable regulations

SIGNATURE [signature] PRINT NAME Thomas Hicks DATE 4/3/97

EMERGENCY CHEMICAL ASSISTANCE TELEPHONE NUMBER: 800-527-[illegible]

SERVICE LOCATION
CHARLOTTE, NC

LOT CODE: 304760

STOP CODE: 143572

CORPORATE HEADQUARTERS
HERITAGE ENVIRONMENTAL SERVICES, INC.
7901 WEST MORRIS STREET • INDIANAPOLIS, IN 46231
TELEPHONE 317/243-0811
Internet http://www.heritage-enviro.com

DOCUMENT NO.	WASTESTREAM
450497	38076-1
PICKUP DATE	QUOTE
21-MAR-97	125444
PICKUP TIME	GROUP CODE
N/A	116068

SCALE WEIGHTS

4x55 DM
1x20 DM
1x85 DF

SPECIAL INSTRUCTIONS

CUSTOMER

AMERICAN ENVIRONMENTAL SERVICES, INC.

4068 MT ROYAL BOULEVARD, SUITE 210
ALLISON PARK, PA 15101
CONTACT: DAVE TORRENCE 22193

PURCHASE ORDER NO.	RELEASE NO.
DAN DAVIS	

WASTESTREAM COMMON NAME

FILTERS RAGS TRASH DEBRIS W/METALS #4

PRODUCT	PRODUCT DESCRIPTION	HAZARD TYPE
70	MATERIAL FOR REACT	CHARACTERISTIC

HAZARD CODES

D004/D005/D006/D007/D008/D009/D010/D011

PROCESS MATRIX CODE

SYSTEM TYPE

(580-S) S01

DOT DESCRIPTION

HAZARDOUS WASTE, SOLID, N.O.S., 9, NA3077, PG III, (D004,D005,D006,D007) ERG# 171

PROTECTIVE EQUIPMENT REQUIRED

NO PROTECTIVE EQUIPMENT SPECIFIED

ADDITIONAL EQUIPMENT REQUIRED

NO ADDITIONAL EQUIPMENT SPECIFIED

PUMPING DRUMS ?

N

SPECIAL INSTRUCTIONS

NO SPECIAL INSTRUCTIONS

LOADING ARRIVAL

GENERATOR: 38076 EPA ID NO.: VA1170024722
HEAD OF NATURAL RESOURCES
ENVIRONMENTAL AFFAIRS BRANCH BHASKER THAKER
3040 MCCAWLEY AVE, FACILITY BRANCH
QUANTICO, VA 22134-5053 (703)278-4030

DEPARTURE

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation

SIGNATURE: PRINT NAME: DATE:

TRANSPORTING ARRIVAL

TRANSPORTER: 8000 EPA ID NO.: IND053844114
HERITAGE TRANSPORT, INC.
7901 WEST MORRIS STREET
INDIANAPOLIS, IN 46231 (317)243-1343

DEPARTURE

This is to certify acceptance of this waste for transportation Carrier certifies that the equipment supplied for this shipment is a proper container for the transportation of this commodity

SIGNATURE: Steve Brown PRINT NAME: Steve Brown DATE 3-20-97

UNLOADING ARRIVAL

TSD FACILITY 7023 EPA ID NO.: NCD[illegible]
HERITAGE ENVIRONMENTAL SERVICES
4[illegible] MONROE RD.
CHARLOTTE, NC 28217

DEPARTURE

This is to certify the acceptance of this waste for treatment and or disposal in accordance with all applicable regulations

SIGNATURE: Shawn Hicks PRINT NAME: Shawn Hicks DATE 4/3/97

ESTIMATED QUANTITY	UNIT

HAZARDOUS MANIFEST NO.

GENERATOR MANIFEST NO.

58800

DRIVER	TRACTOR	TRAILER
3374	18	32-10

SPECIAL CHARGES	INITIALS
EMERGENCY ___ YR OR ___ NO	
DEMURRAGE ___ HOURS	
OTHER ___ DESC	
HOSE SET ___ FEET	
PUMPING ___ DRUMS	
___ ___ ___	

NET WEIGHT	NO. OF DRUMS
	4

GROSS GALLONS	NET GALLONS

SCALE UNIT	SCALE VALUE

UNLOAD AUTH.	TANK CODE

LBS/GAL.	SD CODE

SERVICE LOCATION	DOCUMENT NO.	WASTESTREAM
CHARLOTTE NC	450394	38076-47
LOT CODE: 304757	PICKUP DATE	QUOT
	21-MAR-97	125450
STOF CODE: 143573	PICKUP TIME	GROUP CODE
	N/A	114043

HERITAGE

CORPORATE HEADQUARTERS
HERITAGE ENVIRONMENTAL SERVICES, INC
7901 WEST MORRIS STREET • INDIANAPOLIS, IN 46231
TELEPHONE 317/243-0811
Internet http://www heritage-enviro.com

SCALE WEIGHTS

2 x 5 DF
2 x 20 DF

SPECIAL INSTRUCTIONS

CUSTOMER

AMERICAN ENVIRONMENTAL SERVICES, INC.

4068 MT ROYAL BOULEVARD, SUITE 210
ALLISON PARK, PA 15101
CONTACT: DAVE TORRENCE 22222

PURCHASE ORDER NO.	RELEASE NO.
DAN DAVIS	

WASTESTREAM COMMON NAME

PETROL. DISTILL. FUEL BLENDABLE LT #14

PRODUCT	PRODUCT DESCRIPTION	HAZARD TYP
AE	SUPR FUEL DRUM	LISTED

HAZARD CODES

F001/F002/F003/F004/F005/D001/D004/D018/D006 >

PROCESS MATRIX CODE

SYSTEM TYPE

(SAE-D) S01/S02/T50

DOT DESCRIPTION

WASTE PETROLEUM DISTILLATES, N.O.S., 3, UN1268, PG III, (F001,F002,F003,F004) ERG# 128

PROTECTIVE EQUIPMENT REQUIRED

CHEM RES GLVS,CHEM GLGLS,R BOOTS,FACE SHLD,PCTYVEK SUIT,RESP-ORGN CART

ADDITIONAL EQUIPMENT REQUIRED

NO ADDITIONAL EQUIPMENT SPECIFIED

PUMPING DRUMS ?

N

SPECIAL INSTRUCTIONS

NO SPECIAL INSTRUCTIONS

LOADING

ARRIVAL

GENERATOR: 38076 EPA ID NO.: VA1170024721
HEAD OF NATURAL RESOURCES
ENVIRONMENTAL AFFAIRS BRANCH BHASKER THAKER
3040 MCCAWLEY AVE, FACILITY BRANCH
QUANTICO, VA 22134-5059 (703)272-4431

DEPARTURE

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation

SIGNATURE: PRINT NAME. DATE:

TRAVEL

ARRIVAL

TRANSPORTER: 8000 EPA ID NO. IND055434114
HERITAGE TRANSPORT, INC.

7901 WEST MORRIS STREET
INDIANAPOLIS, IN 46231 (317) 231-2341

DEPARTURE

This is to certify acceptance of this waste for transportation Carrier certifies that the equipment supplied for this shipment is a proper container for the transportation of this commodity

SIGNATURE: Steve Brown PRINT NAME: Steve Brown DATE: 3-20-97

UNLOADING

ARRIVAL

TSD FACILITY 7001 AE EPA ID NO. [illegible]
RUST ENVIRONMENTAL SERVICES

[illegible]
CHARLOTTE, NC [illegible]

DEPARTURE

This is to certify the acceptance of this waste for treatment and or disposal in accordance with applicable regulations

SIGNATURE: PRINT NAME: Thomas Hicks DATE: 4/3/97

ESTIMATED QUANTITY	UNIT

HAZARDOUS MANIFEST NO.

GENERATOR MANIFEST NO.

DRIVER	TRACTOR	TRAILER
3774	18	32-10

SPECIAL CHARGES	INITIALS
[illegible] YES OR NO	
[illegible] HOURS	
[illegible] NO USED	
[illegible] FEET	
[illegible] DRUM	
[illegible]	

NET WEIGHT	NO. OF DRUMS
	4

GROSS GALLONS	NET GALLONS

SCALE UNIT	SCALE VALUE

UNLOAD AUTH.	TANK COD

LBS/GAL	TSD CODE

EMERGENCY CHEMICAL ASSISTANCE TELEPHONE NUMBER: 800-827-8201

SERVICE LOCATION	DOCUMENT NO.	WASTESTREAM
CHARLOTTE, NC	450472	38076-7
LOT CODE: 304753	PICKUP DATE: 21-MAR-97	QUOTE: 125431
STOP CODE: 143573	PICKUP TIME: N/A	GROUP CODE: 116048

HERITAGE

CORPORATE HEADQUARTERS
HERITAGE ENVIRONMENTAL SERVICES, INC
7901 WEST MORRIS STREET • INDIANAPOLIS, IN 46231
TELEPHONE 317/243-0811
Internet http //www.heritage-enviro.com

SCALE WEIGHTS: 19 x 55 DM

SPECIAL INSTRUCTIONS:

CUSTOMER:
AMERICAN ENVIRONMENTAL SERVICES, INC.
4068 MT ROYAL BOULEVARD, SUITE 210
ALLISON PARK, PA 15101
CONTACT: DAVE TORRENCE 412/9

PURCHASE ORDER NO.	RELEASE NO.
DAN DAVIS	

WASTESTREAM COMMON NAME: SPILL RESIDUE +54

PRODUCT	PRODUCT DESCRIPTION	HAZARD TYPE
70	MATERIAL FOR REPAIR	NON-HAZARDOUS

HAZARD CODES: NO HAZARD CODES

PROCESS MATRIX CODE:

SYSTEM TYPE: (580-S) SOI

DOT DESCRIPTION: NON-DOT REGULATED MATERIAL (SOLID)

PROTECTIVE EQUIPMENT REQUIRED: NO PROTECTIVE EQUIPMENT SPECIFIED

ADDITIONAL EQUIPMENT REQUIRED: NO ADDITIONAL EQUIPMENT SPECIFIED

PUMPING DRUMS ?: N

SPECIAL INSTRUCTIONS: NO SPECIAL INSTRUCTIONS

LOADING

GENERATOR: 38076 EPA ID NO.: VA1170024722
HEAD OF NATURAL RESOURCES
ENVIRONMENTAL AFFAIRS BRANCH BHASKER THAKER
3040 MCCAWLEY AVE, FACILITY BRANCH
QUANTICO, VA 22134-5052 (703)278-4030

ARRIVAL / DEPARTURE

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation

SIGNATURE: PRINT NAME: DATE:

TRAVEL

TRANSPORTER: 000 EPA ID NO. IND0[illegible]
HEPT ASE TRANSPORT, INC.
4901 WEST MORRIS STREET
INDIANAPOLIS, IN 46231 (317 381-1[illegible]

ARRIVAL / DEPARTURE

This is to certify acceptance of this waste for transportation Carrier certifies that the equipment supplied for this shipment is a proper container for the transportation of this commodity.

SIGNATURE Steve Brown PRINT NAME Steve Brown DATE 3-20-97

UNLOADING

TSD FACILITY: [illegible] EPA ID NO: [illegible]
[illegible] ENVIRONMENTAL SERVICES
[illegible] ROAD
[illegible], NC [illegible]

ARRIVAL / DEPARTURE

This is to certify the acceptance of this waste for treatment and or disposal in accordance with applicable regulations

SIGNATURE [illegible] PRINT NAME [illegible] DATE 4/3/97

ESTIMATED QUANTITY	UNIT

HAZARDOUS MANIFEST NO.

GENERATOR MANIFEST NO.: 58800

DRIVER	TRACTOR	TRAILER
3379	18	32-10

SPECIAL CHARGES	INITIALS
EMERGENCY RATE ___ YES OR ___ NO	
DEMURRAGE ___ MINUTES	
OTHER ___ $	
HOSE USED ___ FEET	
TRUCK ___ TRIP	
___ ___	

NET WEIGHT	NO. OF DRUMS
	16

GROSS GALLONS	NET GALLONS

SCALE UNIT	SCALE VALUE

UNLOAD AUTH.	TANK COD

LBS/GAL.	TSD COD

SERVICE LOCATION	DOCUMENT NO.	WASTESTREAM
CHARLOTTE, NC	150701	29074-8
LOT CODE: 304762	PICKUP DATE	QUOTE
	21-MAR-97	125443
STOP CODE: 1435/3	PICKUP TIME	GROUP CODE
	N/A	114068

HERITAGE

CORPORATE HEADQUARTERS
HERITAGE ENVIRONMENTAL SERVICES, INC
7901 WEST MORRIS STREET • INDIANAPOLIS, IN 46231
TELEPHONE 317/243-0811
Internet http://www.heritage-enviro.com

SCALE WEIGHTS

1X5DF

SPECIAL INSTRUCTIONS

CUSTOMER

AMERICAN ENVIRONMENTAL SERVICES, INC.

4068 MT ROYAL BOULEVARD, SUITE 210
ALLISON PARK, PA 15101
CONTACT: DAVE TERRENCE 22253

PURCHASE ORDER NO.	RELEASE NO.
DAN DAVIE	

WASTESTREAM COMMON NAME

NON HAZ ORGANIC SLUDGE SOLIDS HEAVY #57

PRODUCT	PRODUCT DESCRIPTION	HAZARD TYP
74	MATERIAL FOR REPACK	NON-HAZARDOUS

HAZARD CODES

NO HAZARD CODES

PROCESS MATRIX CODE	SYSTEM TYPE
	(580-S) 301

DOT DESCRIPTION

NON-DOT REGULATED MATERIAL

PROTECTIVE EQUIPMENT REQUIRED

NO PROTECTIVE EQUIPMENT SPECIFIED

ADDITIONAL EQUIPMENT REQUIRED	PUMPING DRUMS ?
NO ADDITIONAL EQUIPMENT SPECIFIED	N

SPECIAL INSTRUCTIONS

NO SPECIAL INSTRUCTIONS

LOADING

GENERATOR: 38076 EPA ID NO.: VA1170024722
HEAD OF NATURAL RESOURCES
ENVIRONMENTAL AFFAIRS BRANCH PHASE: LESS THAN 55
3040 MCCAWLEY AVE, FACILITY BRANCH
QUANTICO, VA 22134-5052 (703) 273-4131

ARRIVAL

DEPARTURE

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation

SIGNATURE: PRINT NAME: DATE:

ESTIMATED QUANTITY	UNIT

HAZARDOUS MANIFEST NO.

GENERATOR MANIFEST NO.

58800

TRAVEL

TRANSPORTER 6000 EPA ID NO: IND053843114
HERITAGE TRANSPORT, INC.

7901 WEST MORRIS STREET
INDIANAPOLIS, IN 46231 (317) 243-0811

DRIVER	TRACTOR	TRAILER
3374	18	32-10

ARRIVAL

DEPARTURE

This is to certify acceptance of this waste for transportation. Carrier certifies that the equipment supplied for this shipment is a proper container for the transportation of this commodity

SPECIAL CHARGES	INITIALS

SIGNATURE Steve Brown PRINT NAME: Steve Brown DATE 3-20-97

UNLOADING

TSD FACILITY 7012 EPA ID NO VAD [illegible]
HERITAGE SOLVENT RECYCLE

ARRIVAL

DEPARTURE

This is to certify the acceptance of this waste for treatment and or disposal in accordance with all applicable regulations

NET WEIGHT	NO. OF DRUMS
	1

GROSS GALLONS	NET GALLONS

SCALE UNIT	SCALE VALUE

UNLOAD AUTH.	TANK CODE

LBS/GAL.	TSD CODE

SIGNATURE Shawn K. Hicks PRINT NAME Shawn Hicks DATE 4/3/97

EMISSION CHEMICAL ASSISTANT OF TE REMOVAL [illegible]

SERVICE LOCATION: CHARLOTTE, NC

LOT CODE: 304752

STOP CODE: 143573

HERITAGE

CORPORATE HEADQUARTERS
HERITAGE ENVIRONMENTAL SERVICES, INC.
7901 WEST MORRIS STREET • INDIANAPOLIS, IN 46231
TELEPHONE 317/243-0811
Internet: http //www heritage-enviro com

DOCUMENT NO.	WASTESTREAM
17491	38076-52
PICKUP DATE	QUOTE
21-MAR-97	125430
PICKUP TIME	GROUP CODE
N/A	114068

SCALE WEIGHTS: 1 X 55 DM

SPECIAL INSTRUCTIONS:

CUSTOMER:
AMERICAN ENVIRONMENTAL SERVICES, INC.

4068 MT ROYAL BOULEVARD, SUITE 210
ALLISON PARK, PA 15101
CONTACT: DAVE TORRENCE [illegible]

PURCHASE ORDER NO.: DAN DAVIS

RELEASE NO.:

WASTESTREAM COMMON NAME: RAGS FILTERS PAPER TRASH DEBR, NONHAZ 52

PRODUCT	PRODUCT DESCRIPTION	HAZARD TYPE
70	MATERIAL FOR REPAIR	NON-HAZARDOUS

HAZARD CODES: NO HAZARD CODES

PROCESS MATRIX CODE:

SYSTEM TYPE: (530-S) SOL

DOT DESCRIPTION: NON-DOT REGULATED MATERIAL

PROTECTIVE EQUIPMENT REQUIRED: NO PROTECTIVE EQUIPMENT SPECIFIED

ADDITIONAL EQUIPMENT REQUIRED: NO ADDITIONAL EQUIPMENT SPECIFIED

PUMPING DRUMS ?: N

SPECIAL INSTRUCTIONS: NO SPECIAL INSTRUCTIONS

LOADING — ARRIVAL

GENERATOR: 38076 EPA ID NO.: VA1170024732
HEAD OF NATURAL RESOURCES
ENVIRONMENTAL AFFAIRS BRANCH BHASKER THAKER
3040 MCCAWLEY AVE, FACILITY BRANCH
QUANTICO, VA 22134-5053 (703)278-4030

LOADING — DEPARTURE

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SIGNATURE: [signature] PRINT NAME: JOHN SOBIETA DATE: 3-20-97

TRAVEL — ARRIVAL

TRANSPORTER: 2000 EPA ID NO.: IND059494113
HERITAGE TRANSPORT, INC.

7901 WEST MORRIS STREET
INDIANAPOLIS, IN. 46231 (317)381-1[illegible]

TRAVEL — DEPARTURE

This is to certify acceptance of this waste for transportation Carrier certifies that the equipment supplied for this shipment is a proper container for the transportation of this commodity.

SIGNATURE: [signature] PRINT NAME: Steve Brown DATE: 3-20-97

UNLOADING — ARRIVAL

TSD FACILITY 2023 43 EPA ID NO. NCD[illegible]
HERITAGE ENVIRONMENTAL SERVICES

[illegible] PINEVILLE ROAD
CHARLOTTE, NC 28211 (704) [illegible]

UNLOADING — DEPARTURE

This is to certify the acceptance of this waste for treatment and or disposal in accordance with all applicable regulations

SIGNATURE [signature] PRINT NAME [illegible] DATE 4/3/97

ESTIMATED QUANTITY	UNIT

HAZARDOUS MANIFEST NO.:

GENERATOR MANIFEST NO.: 58800

DRIVER	TRACTOR	TRAILER
3379	18	3210

SPECIAL CHARGES	INITIALS
DEMURRAGE 120 MINUTES	[illegible]

NET WEIGHT	NO. OF DRUMS
	1

GROSS GALLONS	NET GALLONS

SCALE UNIT	SCALE VALUE

UNLOAD AUTH.	TANK COD

LBS/GAL	TSD CODE

NORTH CAROLINA HAZARDOUS WASTE MANIFEST

Please print or type. *(Form designed for use on elite (12-pitch) typewriter)* *Form Approved OMB No. 2050-0039*

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: VA1170124722 — Manifest Document No.: 058800

2. Page 1 of 3 — Information in the shaded areas is not required by Federal law

3. Generator's Name and Mailing Address
Head of Natural Resources
Environmental Affairs Branch
3040 McCawley Ave., Facility Branch
Quantico, VA. 22134-5053

AES 24Hr Emgy#
DAY#(412)486-0871
or (412)427-4648
(412)427-4629

4. Generator's Phone (703) 784-4030

A. State Manifest Document Number: 058800

B. State Generator's ID:

5. Transporter 1 Company Name: Heritage Transport

6. US EPA ID Number: IND058484114

C. State Transporter's ID:

D. Transporter's Phone: (317)243-0811

7. Transporter 2 Company Name:

8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address
Heritage Environmental Services
4132 Poranno Rd.
Charlotte, NC. 28216

10. US EPA ID Number: NCD122170777

G. State Facility's ID:

H. Facility's Phone: (704)392-6276

11. US DOT Description *(Including Proper Shipping Name, Hazard Class, and ID Number)*	12. Containers No.	12. Containers Type	13. Total Quantity	14 Unit Wt/Vol	I. Waste No.
a. 'RQ' Waste Adhesive 3/UN1133/PGIII (ERG# 127)	001	DM	00122	P	D001
b. Waste Flammable Liquids, N.O.S. 3/UN1993/PGIII (Acetonetrile & H20) (ERG# 128)	001	DF	00008	P	D001
c. 'RQ' Waste Paint 3/UN1263/PGIII (ERG# 127)	002	DM	00297	P	D001
d. 'RQ' Waste Flammable Liquids, N.O.S. 3/UN1993/PGIII (Gasoline, Benzene) (ERG# 128)	001	DM	00200	P	D001,D018

J. Additional Descriptions for Materials Listed Above
a)38076-23 (1x55DM)
b)38076-19 (1x5DF)
c)38076-5 (2x55DM)
d)38076-2 (1x55DM)

K. Handling Codes for Wastes Listed Above.
a)S01
b)S01
c)S01
d)S01

SP4400-96-D-0005 DO#88 95-9605-0053

15. Special Handling Instructions and Additional Information
AES,Inc. is this facilities hazardous waste contractor. Please route all billing and correspondence to:A.E.S.,Inc. 4068 Mt. Royal Blvd., Suite 210. Allison Park, PA. 15101. In the event of aspill or release of hazardous waste, contact the national response center and 911. The driver has emergency response guide information. Quantico 24hr # (703)784-4637

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

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

Printed/Typed Name	Signature	Month	Day	Year
Binasker Thakor				

TRANSPORTER

17 Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

18 Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19 Discrepancy Indication Space

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

Printed/Typed Name	Signature	Month	Day	Year

EPA Form 8700-22 (Rev. 11-88) Previous editions are obsolete

INSTRUCTIONS ON BACK SHEET

NORTH CAROLINA HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12-pitch) typewriter)

Form Approved OMB No 2050 0039

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)	21 Generator's US EPA ID No: VA1170024722	Manifest Document No: 58800	22 Page: 2 of 3	Information in the shaded areas is not required by Federal law

23. Generator's Name
Head of Natural Resources
Environmental Affairs Branch
3040 McCawley Ave., Facility Branch
Quantico, VA. 22134 (703) XXX-4030

AES 24Hr#
(412)486-0871
(412)427-4648
(412)427-4629

L. State Manifest Document Number: 058800-2

M. State Generator's ID:

24 Transporter 1 Company Name: Heritage Transport 784

25 US EPA ID Number: IND058484114

N. State Transporter's ID:

O. Transporter's Phone: (317)243-0811

26 Transporter ___ Company Name:

27 US EPA ID Number:

P. State Transporter's ID:

Q. Transporter's Phone:

28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	29 Containers No	Type	30 Total Quantity	31 Unit Wt/Vol	R. Waste No.
a. 'RQ' Waste Adhesives 3/UN1133/PGIII (ERG# 127)	002	DF	00288	P	D001
b. 'RQ' Waste Paint 3/UN1263/PGIII (Recycle) (ERG# 127)	001	DF	00247	P	D001
c 'RQ' Waste Paint 3/UN1263/PGIII (Recycle) (ERG# 127)	007	DM	02530	P	D001
d. 9a 'RQ' Waste Petroleum Distillates, N.O.S. 3/UN1268/PGIII (Fuel) (ERG# 128)	002	DF	00175	P	D001
e 'RQ' Waste Hydrochloric Acid, Solution 8/UN1789/PGII (PH=1.0) (ERG# 157)	007	DF	03134	P	D002
f. 'RQ' Waste Sulfuric Acid 8/UN2796/PGII (PH=0.0) (ERG# 157)	001	DF	00176	P	D002
g. 'RQ' Hazardous Waste Liquid, N.O.S. 9/NA3082/PGIII (Chromium 3077 9a) (ERG# 171)	001	DF	00394	P	D007
h. 'RQ' Waste Mercury 8/UN2809/PGII (ERG# 172)	001	DF	00001	P	D009
i Waste Lithium Battery 9/UN3090/PGII (ERG# 138)	001	DF	00010	P	D001,D003

S. Additional Descriptions for Materials Listed Above

a)38076-23 (2x30DF) b)38076-5 (1x30DF) c)38076-5(5x55,1x85,1x30DM)
d)38076-47 (2x30DF) e)38076-61 (7x55DF) f)38076-62 (1x30DF)
g)38076-12(1x85DF) h)38076-37(1x5DF) i)38076-26(1x5DF)
#1 Quantico 24 hr # =(703)784-3637

T. Handling Codes for Wastes Listed Above

a)S01 b)S01 c)S01 d)S01 e)S01 f)S01 g)S01 h)S01 i)S01

32 Special Handling Instructions and Additional Information

SP2400-96-D-9005 DO#56 96-9605-0056

AES,Inc. is this facilities hazardous waste contractor. Please route all billing and correspondence to:A.E.S.,Inc. 4059 Mt. Royal Blvd., Suite 210, Allison Park, PA. 15101. In the event of a spill or release of hazardous waste, contact the national response center and 911. The driver has emergency response guide information.

TRANSPORTER

33 Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date
[illegible]	[signature]	Month Day Year

34 Transporter ___ Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date
		Month Day Year

FACILITY

35 Discrepancy Indication Space

EPA Form 8700-22A Rev. 11-12

NORTH CAROLINA HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12-pitch) typewriter)

Form Approved OMB No 2050 0039

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)	21 Generator's US EPA ID No	Manifest Document No	22 Page	Information in the shaded areas is not required by Federal law
	VA1170024722	58800	2 of 3	

23 Generator's Name
Head of Natural Resources
Environmental Affairs Branch
3040 McCawley Ave., Facility Branch
Quantico, VA. 22134
Phone#(703) 784-4030
AES 24Hr# (412)486-0871 (412)427-4648 (412)427-4629

L. State Manifest Document Number: 058800-3

M. State Generator's ID:

24 Transporter 784 Company Name: Heritage Transport

25 US EPA ID Number: IND058484114

N. State Transporter's ID:

O. Transporter's Phone: (317)243-0811

26 Transporter ____ Company Name

27 US EPA ID Number

P. State Transporter's ID:

Q. Transporter's Phone:

28 US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	29 Containers No	Type	30 Total Quantity	31 Unit Wt/Vol	R Waste No.
a. 'RQ' Hazardous Waste Solid, N.O.S. 9/NA3077/PGIII (ERG# 171) (Lead Contaminated Patches)	005	DM	00533	P	D008
b 'RQ' Waste Batteries,Dry,Containing Potassium Hydroxide Solid (ERG# 154) 8/UN3028/PGIII (Nicad Batt)	001	DM	00212	P	D006
c Waste Flammable Liquids, N.O.S. 3/UN1993/PGIII (ERG# 128) (Methanol, Acetone)	002 (SB) 001	DF	00023	P	D001,F003
d. Waste Sodium Hydroxide, Solid 8/UN1823/PGII (ERG# 154)	007	DM	00579	P	D002 D002-94
e. Non-Regulated Waste, Liquid (Epoxy Resin)	001	DF	00022	P	NONE
f Non-Regulated Waste, Solid (Oil Spill Absorbent)	019	DM	06890 06533 JC	P	NONE
g. Non-Regulated Waste, Solid (Fuel Filters)	001	DM	00094	P	NONE
h.					
i					

S. Additional Descriptions for Materials Listed Above
a)38076-1 (5x55DM) b)38076-35 (1x55DM) c)38076-47
d)38076-65 (7x55DM) e)38076-8 (1x5DF) f)38076-7 (19x55DM)
g)38076-52(1x55DM) 24hr # (703)784-4037

T Handling Codes for Wastes Listed Above
a)S01 b)S01 c)S01
d)S01 e)S01 f)S01
g)S01

32 Special Handling Instructions and Additional Information
SP22(00)-96-D-C005
AES,Inc. is this facilities hazardous waste contractor. Please return all billing correspondence to: A.E.S.,Inc. 4065 Mt. Royal Blvd., Suite 210. Allison Park, In the event of a spill or release of hazardous waste, contact the National Response Center at(). The driver has emergency response guide information.

TRANSPORTER

33 Transporter ___ Acknowledgement of Receipt of Materials

Printed Typed Name: [illegible] Signature: [illegible] Date: Month Day Year

34 Transporter ___ Acknowledgement of Receipt of Materials

Printed Typed Name | Signature | Date: Month Day Year

FACILITY

35 Discrepancy Indication Space

EPA Form 8700-22A (Rev 11-88) Previous editions are obsolete

NORTH CAROLINA HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12-pitch) typewriter.) Form Approved OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. V|A|1|1|7|0|0|2|4|7|2|2|5 — Manifest Document No. 587 010
2. Page 1 of 3 — Information in the shaded areas is not required by Federal law

3. Generator's Name and Mailing Address
Dept of Natural Resources
Environmental Affairs Branch
3040 McCawley Ave., Facility Branch
Quantico, VA. 22134-5053
Generator's Phone: 703 784-4030

AES 24Hr Emgy#
DAY#(412)486-0871
or (412)427-4648
(412)427-4629

4. A. State Manifest Document Number: 058800
B. State Generator's ID:

5. Transporter 1 Company Name: Heritage Transport
6. US EPA ID Number: I|N|D|0|5|8|4|8|4|1|1|4
C. State Transporter's ID:
D. Transporter's Phone: (317)243-0811

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address
Heritage Environmental Services
4132 Pomano Rd.
Charlotte, NC. 28216
10. US EPA ID Number: N|C|D|1|2|1|7|0|0|7|7|7
G. State Facility's ID:
H. Facility's Phone: (704)392-6276

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. 'RQ' Waste Adhesive 3/UN1133/PGIII (ERG# 127)	001	DM	0011.2	P	D001
b. Waste Flammable Liquids, N.O.S. 3/UN1993/PGIII (Acetonetrile & H2O) (ERG# 128)	001	DF	00008	P	D001
c. 'RQ' Waste Paint 3/UN1263/PGIII (ERG# 127)	002	DM	0027.7	P	D001
d. 'RQ' Waste Flammable Liquids, N.O.S. 3/UN1993/PGIII (Gasoline, Benzene) (ERG# 128)	001	DM	0020.0	P	D001 D018

J. Additional Descriptions for Materials Listed Above
a) 38076-23 (1x55DM)
b) 38076-19 (1x5DF)
c) 38076-5 (2x55DM)
d) 38076-2 (1x55DM)

K. Handling Codes for Wastes Listed Above
a) SO1
b) SO1
c) SO1
d) SO1

15. Special Handling Instructions and Additional Information SP4400-96-D-8005 DO#08 96-9605-0053
AES,Inc. is this facilities hazardous waste contractor. Please route all billing and correspondence to:A.E.S.,Inc. 4068 Mt. Royal Blvd., Suite 210. Allison Park, PA. 15101. In the event of aspill or release of hazardous waste, contact the national response center and 911. The driver has emergency response guide information. Quantico 24hr # (703)784-2637

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

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

Printed/Typed Name	Signature	Month	Day	Year
Bhasker Thakar/CindyBridges	BP Thakar/CindyBridges	10	3	97

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
BENNY Edwards	Benny Edwards	10	3	97

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Month	Day	Year

EPA Form 8700-22 (Rev. 11-88) Previous editions are obsolete

INSTRUCTIONS ON BACK SHEET

SUPPLEMENTAL DOCUMENT TO BLOCK "J"

MANIFEST # 058800

MAN. LINE	LINE ITEM	CLIN	ITEM DESCRIPTION	# OF CONT.	WEIGHT
11A	001	9101	ADHESIVE	12	112 P
			TOTAL	001	00112 P
11B	002	9101	ACETONETRILE	1	8 P
			TOTAL	001	00008 P
11C	003	9102	PAINT	26	297 P
			TOTAL	002	00297 P
11D	004	9102	GAS + H_2O	1	200 P
			TOTAL	001	00200 P

CONTRACT # 96-0-0005 DELIVERY ORDER NUMBER(s) 88

AES REPRESENTATIVE SIGNATURE John Smith DATE 3-20-97

LLA REPRESENTATIVE SIGNATURE Cindy Bridges DATE 3-20-97

NORTH CAROLINA HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter) Form Approved OMB No 2050 0039

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)	21 Generator's US EPA ID No	Manifest Document No	22 Page	Information in the shaded areas is not required by Federal law
	VA1170024722	58800	2 of 3	

23 Generator's Name
Head of Natural Resources
Environmental Affairs Branch
3040 McCawley Ave., Facility Branch
Quantico, VA. 22134 (703) XXX-4030 784

AES 24Hr#
(412)486-0871
(412)427-4648
(412)427-4629

L. State Manifest Document Number: [illegible] 0588002 E
M. State Generator's ID:

24 Transporter 1 Company Name: Heritage Transport
25 US EPA ID Number: IND058484114
N. State Transporter's ID:
O. Transporter's Phone: (317)243-0811

26 Transporter ___ Company Name:
27 US EPA ID Number:
P. State Transporter's ID:
Q. Transporter's Phone:

	28 US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	29 Containers No.	Type	30 Total Quantity	31 Unit Wt. Vol.	R Waste No.
a	'RQ' Waste Adhesives 3/UN1133/PGIII (ERG# 127)	002	DF	00288	P	D001
b	'RQ' Waste Paint 3/UN1263/PGIII (ERG# 127) (Recycle)	001	DF	00247	P	D001
c.	'RQ' Waste Paint 3/UN1263/PGIII (ERG# 127) (Recycle)	007	DM	02530	P	D001
d.	~~'RQ'~~ Waste Petroleum Distillates, N.O.S. 3/UN1268/PGIII (ERG# 128) (Fuel)	002	DF	00175	P	D001
e.	'RQ' Waste Hydrochloric Acid, Solution 8/UN1789/PGII (ERG# 157) (PH=1.0)	007	DF	03134	P	D002
f.	'RQ' Waste Sulfuric Acid 8/UN2796/PGII (ERG# 157) (PH=0.0)	001	DF	00176	P	D002
g.	'RQ' Hazardous Waste ~~Liquid~~, N.O.S. 9/NA3082/PGIII (ERG# 171) (Chromium)	001	DF	00394	P	D007
h.	'RQ' Waste Mercury 8/UN2809/PGII (ERG# 172)	001	DF	00001	P	D009
i	Waste Lithium Battery 9/UN3090/PGII (ERG# 138)	001	DF	00010	P	D001,D003

S. Additional Descriptions for Materials Listed Above
a)38076-23 (2x30DF) b)38076-5 (1x30DF) c)38076-5(5x55,1x85,1x30DM)
d)38076-47 (2x30DF) e)38076-61 (7x55DF) f)38076-62 (1x30DF)
g)38076-13(1x85DF) h)38076-37(1x5DF) i)38076-26(1x5DF)

T. Handling Codes for Wastes Listed Above
a)SO1 b)SO1 c)SO1 d)SO1 e)SO1 f)SO1 g)SO1 h)SO1 i)SO1

Quantico 24 hr # =(703)784-2637

32 Special Handling Instructions and Additional Information
SP4400-96-D-0005 DO#88 96-9605-0053
AES,Inc. is this facilities hazardous waste contractor. Please route all billing and correspondence to:A.E.S.,Inc. 4068 Mt. Royal Blvd., Suite 210, Allison Park, PA. 15101. In the event of a s pill or release of h azardous waste, contact hte national response center and 911. The driver h as emergency response guide information.

TRANSPORTER

33 Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)
Barry Edwards	Barry Edwards	03 20 97

34 Transporter ___ Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)

FACILITY

35 Discrepancy Indication Space

SUPPLEMENTAL DOCUMENT TO BLOCK 6

MANIFEST # 058800-2

MAN. LINE	LINE ITEM	CLIN	ITEM DESCRIPTION	# OF CONT.	WEIGHT
28A	005	9102	ADHESIVE	2	288 P
			TOTAL	002	00288P
28B	006	9102RR	PAINT	1	247P
			TOTAL	001	00247P
28C	007	9102RR	PAINT	2	737 P
	009	9102RR	↓	5	1791 P
			TOTAL	007	02530P
28D	008	9102RR	PETROLEUM DIST.	2	175P
			TOTAL	002	00175P
28E	010	9202	HYDROCHLORIC ACID	7	3134P
			TOTAL	007	03134P
28F	011	9202	SULFURIC ACID	1	176P
			TOTAL	001	00176P
28G	012	9404	PHOTO SLUDGE	1	394P
			TOTAL	001	00394P

CONTRACT # 96-D-0005 DELIVERY ORDER NUMBER(s) 88

AES REPRESENTATIVE SIGNATURE [signature] DATE 3-20-97

LEA REPRESENTATIVE SIGNATURE Cindy Bridges DATE 3-20-97

SUPPLEMENTAL DOCUMENT TO BLOCK [illegible]

MANIFEST # 058800-2

MAN. LINE	LINE ITEM	CLIN	ITEM DESCRIPTION	# OF CONT.	WEIGHT
28H	013	9401MM	Mercury Items	1	1 P
			TOTAL	001	00001P
28I	014	9304LL	Lithium Batteries	6	10 P
			TOTAL	001	00010P

CONTRACT # 96-D-0005 DELIVERY ORDER NUMBER(s) 88

AES REPRESENTATIVE SIGNATURE [signature] DATE 3-20-97

DLA REPRESENTATIVE SIGNATURE [signature] DATE 3-20-97

NORTH CAROLINA HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12-pitch) typewriter) Form Approved OMB No 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)	21 Generator's US EPA ID No	Manifest Document No	22 Page	Information in the shaded areas is not required by Federal law
	VA1170024722	58800	3 of 3	

23 Generator's Name
Head of Natural Resources
Environmental Affairs Branch
3040 McCawley Ave., Facility Branch
Quantico, VA. 22134
Phone#(703)784-4030

AES 24Hr#
(412)486-0871
(412)422-4648
(412)427-4629

G. State Manifest Document Number: 058800-3
H. State Generator's ID:

24 Transporter 784 Company Name: Heritage Transport
25 US EPA ID Number: IND058484114
N. State Transporter's ID:
O. Transporter's Phone: (317)243-0811

26 Transporter ____ Company Name:
27 US EPA ID Number:
P. State Transporter's ID:
Q. Transporter's Phone:

	28 US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	29 Containers No	Type	30 Total Quantity	31 Unit Wt/Vol	R Waste No.
a	'RQ' Hazardous Waste Solid, N.O.S. 9/NA3077/PGIII (ERG# 171) (Lead Contaminated Patches)	005	DM	00623	P	D008
b	'RQ' Waste Batteries,Dry,Containing Potassium Hydroxide Solid (ERG# 154) 8/UN3028/PGIII (Nicad Batt)	001	DM	00212	P	D006
c	Waste Flammable Liquids, N.O.S. 3/UN1993/PGIII (ERG# 128) (Methanol, Acetone)	002 (CB) ~~001~~	DF	00023	P	D001,F003
d.	Waste Sodium Hydroxide, Solid 8/UN1823/PGII (ERG# 154)	007	DM	00679	P	D002 ~~D002~~ SA
e.	Non-Regulated Waste, Liquid (Epoxy Resin)	001	DF	00022	P	NONE
f	Non-Regulated Waste, Solid (Oil Spill Absorbent)	019	DM	06890 gc ~~06532~~	P	NONE
g	Non-Regulated Waste, Solid (Fuel Filters)	001	DM	00094	P	NONE
h						
i						

S. Additional Descriptions for Materials Listed Above
a)38076-1 (5x55DM) b)38076-35 (1x55DM) c)38076-47
d)38076-65 (7x55DM) e)38076-8 (1x5DF) f)38076-7 (19x55DM)
g)38076-52(1x55DM) Quantico 24hr# (703)784-2637

T. Handling Codes for Wastes Listed Above
a)S01 b)S01 c)S01
d)S01 e)S01 f)S01
g)S01

SP4400-96-D-0005 DO#88 96-9605-0053

32 Special Handling Instructions and Additional Information
AES,Inc. is this facilities hazardous waste contractor. Please route all billing and correspondence to: A.E.S.,Inc. 4068 Mt. Royal Blvd., Suite 210. Allison Park, PA. 15101. In the event of a spill or release of hazardous waste, contact the national response center and911. the driver has emergency response guide informtion.

TRANSPORTER

33 Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date
Benny Edwards	Benny Edwards	03 20 97

34 Transporter ___ Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date

FACILITY

35 Discrepancy Indicator Space

SUPPLEMENTAL DOCUMENT TO BLOCK 6

MANIFEST # 058800-3

MAN. LINE	LINE ITEM	CLIN	ITEM DESCRIPTION	# OF CONT.	WEIGHT
28A	015	9404	Q-Tips w/LEAD	5	623 P
			TOTAL	005	00623 P
28B	016	9404NC	NiCAD BATTs	2	212 P
			TOTAL	001	00212 P
28C	017	9501	METHANOL, AMMONIUM NITRATE	5	14 P
	018	9501	METHANOL	2	8 P
	019	9501	Acetone	1	1 P
			TOTAL	001	00023 P
28D	022	9204	Sodium Hydroxide Soln	2	205 P
	023	9204	↓	5	~~474~~ P
			TOTAL	007	00679 P
28E	020	9202	EPOXY RESIN	1	22 P
			TOTAL	001	00022 P
28F	021	9204	OIL SPILL ABSORB	16	6029 ~~5833~~ P
	025	9204	PAINT SPILL ABSORB	3	861 ~~99~~ P
			TOTAL	019	0890 ~~0732~~ P
28G	024	9204	Filters	1	94 P
			TOTAL	001	00094 P

CONTRACT # 96-D-0005 DELIVERY ORDER NUMBER(s) 88

AES REPRESENTATIVE SIGNATURE [signature] DATE 3-2097

LLA REPRESENTATIVE SIGNATURE [signature] DATE 3-2097

HESLDR1

LAND DISPOSAL RESTRICTIONS (LDR) NOTICE AND CERTIFICATION

Generator Name: HEAD OF NATURAL RESOURCES EPA I.D. No.: VA1170024722

Manifest Doc. No.: 58800 State Manifest No.: 058800

(1) Manifest Page/Line Item	(2) Hazardous Waste Code[A] (One per line)	(3) Waste Water[B]	(4) Non-Waste Water[B]	(5) Subcategory (if applicable)[C]	(6) Underlying Constituents?[D] (Circle one)	(7) Applicable Certification[E] (One per line)
1/11A	D001		X	1	Yes / (No) / NA	1
1/11B	D001		X	1	Yes / (No) / NA	1
1/11C	D001		X	1	Yes / (No) / NA	1
1/11D	D001		X	1	Yes / (No) / NA	1
	D018		X	NA	(Yes) / No / NA	1
					Yes / No / NA	
					Yes / No / NA	

A To list additional waste codes complete a Heritage LDR Continuation Form (HESLDR2). Complete a Heritage Supplemental F001-F005 Spent Solvent/Underlying Constituents/F039 Leachate Form (HESLDR3) if one or more applicable waste codes are F001, F002, F003, F004, F005, or F039.

B Must check one, either wastewater or non-wastewater.

C Enter "NA" if no subcategory is applicable to the waste code (see back of HESLDR1 or 40 CFR 268.40).

D If "Yes" is circled, complete Heritage Supplemental F001-F005 Spent Solvent/Underlying Constituents/F039 Leachate Form (HESLDR3). For F001-F005 or F039 wastes, circle "NA" and identify F001-F005 or F039 constituents on HESLDR3.

E Choose from list of certifications below and enter number. Enter only one number per line. Enter date waste is subject to prohibition if Certification #3 applies.

(1) Waste Does Not Meet Applicable Treatment Standards - This is a restricted waste that does not meet the applicable treatment standards set forth in Subpart D of 40 CFR Part 268, or exceeds the applicable prohibition levels set forth in 40 CFR 268.32 or RCRA Section 3004(d).

(2) Waste Meets Applicable Treatment Standards - I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA section 3004(d). I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

(3) Waste Subject to Exemption - This waste is subject to an exemption from a prohibition, such as a case-by-case extension, an exemption, or a nationwide capacity variance. (Include date subject to LDR in Column 7)

(4) Waste Treated to Applicable Treatment Standards (choose one):

(4a) I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the performance levels specified in 40 CFR Part 268, Subpart D, and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA section 3004(d) without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

(4b) I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.42. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

(4c) I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the nonwastewater organic constituents have been treated by incineration in units operated in accordance with 40 CFR Part 264, Subpart O or 40 CFR Part 265, Subpart O, or by combustion in fuel substitution units operating in accordance with applicable technical requirements, and I have been unable to detect the nonwastewater organic constituents despite having used best good faith efforts to analyze for such constituents. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

(5) Characteristic Waste Treated to Remove Characteristic-Requires Treatment of Underlying Hazardous Constituents - I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet universal treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

(6) Lab Pack Managed According to Alternative Treatment Standard at 40 CFR 268.42(c) (INCIN) - I certify under penalty of law that I personally have examined and am familiar with the waste and that the lab pack does not contain any wastes identified at Appendix IV to Part 268. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment.

I certify that the information provided on this and any additional pages (HESLDR2; HESLDR3) of this LDR notification is true, accurate and complete.

Authorized Signature: Bhaskar Thakker / Cindy Bridges (COR) Print or Type Name: Bhaskar Thakker/Cindy Bridges

Company/Title: Env. Engr Tech. EPS

Date: 3-20-97

Heritage does not warrant the acceptability of this form for any specific purpose, waste or treatment method and does not warrant that its use will constitute compliance with applicable law and expressly disclaims responsibility or liability, for any penalties, damages or other costs which may arise out of or be related to use of this document

~~HESLDR2~~ CONTINUATION FORM

Generator Name: HEAD OF NATURAL RESOURCES EPA I.D. No.: VA1170024722

Manifest Doc. No.: 57900 State Manifest No.: 058800

This form is to be used only as a continuation to the Heritage LDR Notification and Certification (HESLDR1).

(1) Manifest Page/Line Item	(2) Hazardous Waste Code[A] (One per line)	(3) Waste Water[B]	(4) Non-Waste Water[B]	(5) Subcategory (if applicable)[C]	(6) Underlying Constituents?[D] (Circle one)	(7) Applicable Certification[E] (One per line)
2/28A	D001		X	1	Yes / (No) / NA	1
2/28B	D001		X	1	Yes / (No) / NA	1
2/28C	D001		X	1	Yes / (No) / NA	1
2/28D	D001		X	1	Yes / (No) / NA	1
2/28E	D002		X	4	Yes / (No) / NA	1
2/28F	D002		X	4	Yes / (No) / NA	1
2/28G	D007		X	NA	Yes / (No) / NA	1
2/28H	D009		X	13	Yes / (No) / NA	1
2/28E	D001		X	1	Yes / (No) / NA	1
	D003		X	9	Yes / (No) / NA	1
3/28A	D008		X	NA	Yes / (No) / NA	1
3/28B	D006		X	11	Yes / (No) / NA	1
3/28C	D001		X	1	Yes / (No) / NA	1
	F003		X	NA	(Yes) / No / NA	1
~~3/28D~~	~~D002~~		~~X~~	~~4~~	~~Yes / (No) / NA~~	~~1~~
3/29D	D002		X	4	Yes / (No) / NA	1
					Yes / No / NA	
					Yes / No / NA	
					Yes / No / NA	
					Yes / No / NA	
					Yes / No / NA	
					Yes / No / NA	
					Yes / No / NA	
					Yes / No / NA	
					Yes / No / NA	
					Yes / No / NA	
					Yes / No / NA	
					Yes / No / NA	
					Yes / No / NA	
					Yes / No / NA	
					Yes / No / NA	

To list additional waste codes complete an additional Heritage LDR Continuation Form (HESLDR2). Complete a Heritage Supplemental F001-F005 Spent Solvent/Underlying Constituents/F039 Leachate Form (HESLDR3) if one or more applicable waste codes are F001, F002, F003, F004, F005, or F039.
Must check one, either wastewater or non-wastewater.
Enter "NA" if no subcategory is applicable to the waste code (see back of HESLDR1 or 40 CFR 268.40).
Complete Heritage Supplemental F001-F005 Spent Solvent/Underlying Constituents/F039 Leachate Form (HESLDR3) if "Yes" is circled
Choose from list of certifications on HESLDR1 and enter number. Enter only one number per line. Enter date waste subject to prohibition if Certification #3 applies.

HESLDR3

SUPPLEMENTAL F001-F005 SPENT SOLVENT/D001, D002, D012-D043 UNDERLYING CONSTITUENTS/F039 LEACHATE LAND DISPOSAL RESTRICTIONS NOTIFICATION

Generator Name: HEAD OF NATURAL RESOURCES EPA I.D. No.: VA1170024722

Manifest Doc. No.: 58800 State Manifest No.: 058800

Use this form for F001-F005 spent solvents, characteristic wastes requiring identification of underlying hazardous constituents, or for F039 leachate only. For each F001-F005 spent solvent, characteristic waste requiring identification of underlying hazardous constituents, or F039 leachate, check all constituents present. For F001-F005 choose only from constituents in ALL CAPS. For F039 leachate choose from all constituents except those marked with an asterisk. To identify underlying hazardous constituents, choose from any constituent on this form,except zinc and vanadium, using the treatment standards on the back.

	Regulated Constituent (Check all that apply)	Manifest Page/ Line Item		Regulated Constituent (Check all that apply)	Manifest Page/ Line Item
	Acenaphthylene			2-Chloroethyl vinyl ether*	
	Acenaphthene			Chloromethane (Methyl chloride)	
X	Acetone	3/28C		2-Chloronaphthalene	
	Acetonitrile			2-Chlorophenol	
	Acetophenone			3-Chloropropylene	
	2-Acetylaminofluorene			Chrysene	
	Acrolein			O-CRESOL	
	Acrylamide*			M-CRESOL	
	Acrylonitrile			P-CRESOL	
	Aldrin			CYCLOHEXANONE	
	4-Aminobiphenyl			1,2-Dibromo-3-chloropropane	
	Aniline			Ethylene dibromide (1,2-Dibromoethane)	
	Anthracene			Dibromomethane	
	Aramite			2,4-D (2,4-Dichlorophenoxyacetic acid)	
	alpha-BHC			o,p'-DDD	
	beta-BHC			p,p'-DDD	
	delta-BHC			o,p'-DDE	
	gamma-BHC			p,p'-DDE	
X	BENZENE	1/110		o,p'-DDT	
	Benz(a)anthracene			p,p'-DDT	
	Benzal chloride*			Dibenz(a,h)anthracene	
	Benzo(b)fluoranthene			Dibenz(a,e)pyrene	
	Benzo(k)fluoranthene			m-Dichlorobenzene	
	Benzo(g,h,i)perylene			O-DICHLOROBENZENE	
	Benzo(a)pyrene			p-Dichlorobenzene	
	Bromodichloromethane			Dichlorodifluoromethane	
	Methyl bromide (Bromomethane)			1,1-Dichloroethane	
	4-Bromophenyl phenyl ether			1,2-Dichloroethane	
	N-BUTYL ALCOHOL			1,1-Dichloroethylene	
	Butyl benzyl phthalate			trans-1,2-Dichloroethylene	
	2-sec-Butyl-4,6-dinitrophenol (Dinoseb)			2,4-Dichlorophenol	
	CARBON DISULFIDE			2,6-Dichlorophenol	
	CARBON TETRACHLORIDE			1,2-Dichloropropane	
	Chlordane (alpha and gamma isomers)			cis-1,3-Dichloropropylene	
	p-Chloroaniline			trans-1,3-Dichloropropylene	
	CHLOROBENZENE			Dieldrin	
	Chlorobenzilate			Diethyl phthalate	
	2-Chloro-1,3-butadiene			2,4-Dimethyl phenol	
	Chlorodibromomethane			Dimethyl phthalate	
	Chloroethane			Di-n-butyl phthalate	
	bis(2-Chloroethoxy)methane			1,4-Dinitrobenzene	
	bis(2-Chloroethyl)ether			4,6-Dinitro-o-cresol	
	Chloroform			2,4-Dinitrophenol	
	bis(2-Chloroisopropyl)ether			2,4-Dinitrotoluene	
	p-Chloro-m-cresol			2,6-Dinitrotoluene	

HESLDR3

SUPPLEMENTAL F001-F005 SPENT SOLVENT/D001, D002, D012-D043 UNDERLYING CONSTITUENTS/F039 LEACHATE LAND DISPOSAL RESTRICTIONS NOTIFICATION

	Regulated Constituent (Check all that apply)	Manifest Page/ Line Item		Regulated Constituent (Check all that apply)	Manifest Page/ Line Item
	Di-n-octyl phthalate			Naphthalene	
	p-Dimethylaminoazobenzene*			2-Naphthylamine	
	Di-n-propylnitrosamine			o-Nitroaniline*	
	1,4-Dioxane			p-Nitroaniline	
	Diphenylamine			NITROBENZENE	
	Diphenylnitrosamine			5-Nitro-o-toluidine	
	1,2-Diphenylhydrazine*			o-Nitrophenol*	
	Disulfoton			p-Nitrophenol	
	Endosulfan I			N-Nitrosodiethylamine	
	Endosulfan II			N-Nitrosodimethylamine	
	Endosulfan sulfate			N-Nitroso-di-n-butylamine	
	Endrin			N-Nitrosomethylethylamine	
	Endrin aldehyde			N-Nitrosomorpholine	
	2-ETHOXY ETHANOL*			N-Nitrosopiperidine	
	ETHYL ACETATE			N-Nitrosopyrrolidine	
	Ethyl cyanide (Propanenitrile)			Parathion	
	ETHYL BENZENE			Total PCBs (sum of all PCB isomers, or all Aroclors)	
	ETHYL ETHER			Pentachlorobenzene	
	bis(2-Ethylhexyl) phthalate			PeCDDs (All Pentachlorodibenzo-p-dioxins)	
	Ethyl methacrylate			PeCDFs (All Pentachlorodibenzofurans)	
	Ethylene oxide			Pentachloroethane*	
	Famphur			Pentachloronitrobenzene	
	Fluoranthene			Pentachlorophenol	
	Fluorene			Phenacetin	
	Heptachlor			Phenanthrene	
	Heptachlor epoxide			Phenol	
	Hexachlorobenzene			Phorate	
	Hexachlorobutadiene			Phthalic acid*	
	Hexachlorocyclopentadiene			Phthalic anhydride	
	HxCDDs (All Hexachlorodibenzo-p-dioxins)			Pronamide	
	HxCDFs (All Hexachlorodibenzofurans)			Pyrene	
	Hexachloroethane			PYRIDINE	
	Hexachloropropylene			Safrole	
	Indeno (1,2,3-c,d) pyrene			Silvex (2,4,5-TP)	
	Iodomethane			2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	
	ISOBUTYL ALCOHOL			1,2,4,5-Tetrachlorobenzene	
	Isodrin			TCDDs (All Tetrachlorodibenzo-p-dioxins)	
	Isosafrole			TCDFs (All Tetrachlorodibenzofurans)	
	Kepone			1,1,1,2-Tetrachloroethane	
	Methacrylonitrile			1,1,2,2-Tetrachloroethane	
X	METHANOL	3/25c		TETRACHLOROETHYLENE	
	Methapyrilene			2,3,4,6-Tetrachlorophenol	
	Methoxychlor			TOLUENE	
	3-Methylcholanthrene			Toxaphene	
	4,4-Methylene bis(2-chloroaniline)			Bromoform (Tribromomethane)	
	METHYLENE CHLORIDE			1,2,4-Trichlorobenzene	
	METHYL ETHYL KETONE			1,1,1-TRICHLOROETHANE	
	METHYL ISOBUTYL KETONE			1,1,2-TRICHLOROETHANE	
	Methyl methacrylate			TRICHLOROETHYLENE	
	Methyl methansulfonate			TRICHLOROMONOFLUOROMETHANE	
	Methyl parathion			2,4,5-Trichlorophenol	

HESLDR3

SUPPLEMENTAL F001-F005 SPENT SOLVENT/D001, D002, D012-D043 UNDERLYING CONSTITUENTS/F039 LEACHATE LAND DISPOSAL RESTRICTIONS NOTIFICATION

Regulated Constituent (Check all that apply)	Manifest Page/ Line Item	Regulated Constituent (Check all that apply)	Manifest Page/ Line Item
2,4,6-Trichlorophenol			
1,2,3-Trichloropropane			
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE			
tris-(2,3-Dibromopropyl) phosphate			
Vinyl chloride			
XYLENES-MIXED ISOMERS			
Antimony			
Arsenic			
Barium			
Beryllium			
Cadmium			
Chromium (Total)			
Cyanides (Total)[1]			
Cyanides (Amenable)[1]			
Fluoride			
Lead			
Mercury - Nonwastewater from Retort			
Mercury - All Others			
Nickel			
Selenium			
Silver			
Sulfide			
Thallium			
Zinc[2]			
Vanadium[2]			

* Not an F039 constituent.

(1) Both Cyanides (Total) and Cyanides (Amenable) for nonwastewaters are to be analyzed using SW-846 Method 9010 or 9012 with a sample size of 10 grams and a distillation time of one hour and 15 minutes.

(2) Zinc and vanadium are F039 constituents only and are not underlying hazardous constituents for characteristic wastes.

NOTE: NA means not applicable.

UST
Attachments

5 September 1996

STATEMENT OF WORK
CONTRACT NO. N62470-89-D-4814
CONTRACT TASK ORDER ___
UST SITE CHARACTERIZATION

I. DEFINITION OF WORK:

Outlined herein is the Statement of Work describing specific requirements of services for this project. The Contractor, an architectural and engineering (A/E) firm shall provide engineering services following all the provisions as included herein. This project shall be awarded on a firm fixed fee.

II. PROJECT INFORMATION:

Project Title: UST Site Characterization
Location: Marine Corps Base, Quantico, Virginia

III. PROJECT DESCRIPTION:

A. General

(1) The Hazardous and Solid Waste Amendments of 1984 to the Resource Conservation and Recovery Act (RCRA) establishes a new program to protect groundwater supplies from pollution from leaking underground storage tanks (UST). The amendments require the Navy to comply with existing federal, state, and local regulations. The purpose of this project is to assist Marine Corps Base (MCB), Quantico in meeting the requirements of the Virginia Department of Environmental Quality (DEQ).

B. Specific

(1) Description

UST 27940C - FBI Service Station

UST 27940C is a 2,000 gallon, steel diesel tank located at the FBI Service Station MCB, Quantico. The FBI Service Station is located on the west side of base near the headwaters of the Aquia Creek watershed. UST 27940C was installed in 1978 for diesel dispensing of fleet vehicles. On the 23 August 1996 UST 27940C failed a tank tightness test. The suspected cause of the failure was a leaking vent line. The vent line was repaired and the UST system was pressure tested by maintenance personnel on the 29 & 30 August. Inventory reconciliation on 3 September 1996 prior to a second tank tightness test revealed the tank was empty, an approximate inventory loss of 950 gallons. The release was reported to the state on the 4 September 1996 at which time they requested a site characterization report. In order to accomplish the required site characterization report, MCB, Quantico has requested that the following work be performed:

- Perform a Base Site Characterization Package not including the following:

  - Installation of four (4) 20 ft Soil Borings,
  - Installation of three (3) monitoring wells,
  - Two (2) Slug Tests,

- Install three (3) 4" Product Recovery Wells,
- Perform Soil and Fluid Disposal,
- Perform a Geoprobe Survey (2-day) or install three (3) additional 4" wells,
- Preform ten (10) concrete coring,
- Perform soil and groundwater sampling on the soil borings and monitoring wells. Chemical analysis shall be as follows:

  - EPA Method 8015 TPH - 9 soil samples,
  - EPA Method 610 Naphthalene - 9 soil samples,
  - EPA Method 8015 TPH - 9 water samples,
  - EPA Method 610 Naphthalene - 9 water samples

(2) Normal Working Hours

The contractor shall accomplish all work on Monday through Friday, between the hours of 7:00 AM and 4:30 PM, not including holidays, unless other times are prearranged with the contracting officer.

(3) Clearances

The contractor will provide the Contracting Officer with a list of all contractor personnel working at the site, including social security numbers at least three days before commencement of work for clearances.

(4) Reports

The contractor shall submit to the government a draft SCR within 60 calendar days after Notice to Proceed (NTP). The contractor shall submit two (2) copies to MCB, Quantico and one (1) copy to the NTR.

The contractor shall submit to the government the final SCR within 5 Calender days after the receipt of the government comments. The report shall be certified by a Registered Professional engineer. The contractor shall submit four (4) copies to MCB, Quantico and two (2) copies to the NTR. The final reports shall include a copy of the reports on floppy disks, compatible with MCB, Quantico computers.

IV. ADMINISTRATIVE REQUIREMENTS:

A. Regulations

The Contractor shall be responsible for the familiarity and compliance with all applicable federal, state, and local regulations. Some of these are as follows:

40 CFR 280	USEPA regulations on USTs
40 CFR 136	Guidelines for Test Procedures for Analysis of Pollutants

29 CFR 1910.120 OSHA Standards
VR 680-13-02 VA UST regulations

B. Clothing

The Contractor shall supply all necessary clothing and equipment for the work and protection of all personnel.

C. Security

The Contractor shall be responsible for the security of all work sites, staging areas, decontamination areas, and other areas related to the work. The Contractor assumes all responsibility for damages and/or loss of equipment and other related items onsite due to fire, theft, vandalism, flood, or other natural disaster.

D. Contract Number

The contract number for this project shall be used on all reports and correspondence.

E. Releases

Copies of calculations, reports, or any laboratory analyses, etc., generated for the execution of this project shall become the property of the government and shall not be released to any other agency or individual without the prior approval of the Contracting Officer. All contact with regulatory agencies by the Contractor related to this contract will be coordinated through the Contracting Officer.

F. Permitting

The Contractor will be responsible for obtaining any necessary licenses and permits, paying all applicable fees, and for complying with all applicable laws and regulations in connection with the execution of the work under this contract. The Contractor will be similarly responsible for all damages to persons or property which occur as a result of his fault or negligence.

V. CONTACTS:

Virginia Department of Environmental Quality
Mr. Lewis Hilder (703) 490-8922

EFA CHES NTR
Mr. Brent Meredith (202) 685-3287

LANTDIV Contracting Officer
Ms. Brenda Smith (804) 322-4594

Marine Corps Base Quantico
Mr. Mark A. Branca, P.E. (703) 784-4030

Federal Bureau of Investigation
Mr. Thomas Bannon (703) 640-1295

VI. REFERENCES:

The following documents should be used by the Contractor in performing the work specified. The latest editions are applicable:

(1) "Resource Conservation and Recovery Act" as amended by the Hazardous and Solid Waste Amendments of 1984

(2) "EPA Underground Storage Tank Regulations", 40 CFR 280.

(3) "The Interim Prohibition: Guidance for Design and Installation of Underground Storage Tanks", EPA/530-85-023.

(4) "Methods for Chemical Analysis of Water and Wastes", EPA/600-4-79-020.

(5) "Methods of Organic Chemical Analysis of Municipal and Industrial Wastewater", EPA 600/4-82-057.

(6) "Methods of Chemical Analysis of Water and Wastes", EPA SW-846

(7) "Standard Methods for the Examination of Water and Wastewater", APHA, AWWA, WPCF

(8) "Recommended Practices for Handling Underground Leakage of Flammable and Combustible Liquids", NFPA 329

(9) Virginia Regulations, "Underground Storage Tanks; Technical Standards and Corrective Action Requirements", VR 680-13-02.

THIS REQUEST MUST BE ACCEPTED ON A DIRECT CITATION BASIS ONLY AND IS SUBJECT TO THE CONDITIONS LISTED ON THE REVERSE SIDE

2 DOCUMENT NUMBER: M93015ARCE0019

3 REFERENCE NUMBER	4 FUNDS EXPIRE ON	5 DMS RATING	6 PRIORITY	7 DATE REQUIRED	8 AMENDMENT NO
N62470-89-D-4814	960930				Basic

9 Commanding General, MCB, MCCDC, B 046
3040 McCawley Avenue, Suite 2
Quantico, Virginia 22134-5053

10 FOR DETAILS CONTACT
Technical: Mark Branca (703) 784-4030
Fiscal: Kathy Williams (703) 784-4030

11. TO.
UIC M93015
Commanding Officer, Atlantic Division
Naval Facilities Engineering Command
Norfolk Naval Base
Building N-26, Code 183, Attn: Susan Gale
Norfolk, Virginia 23511

12. MAIL INVOICES TO:
Copies of Contract and Payment to:
Natural Resources & Environmental Affairs Br.
Attn: Kathy Williams
3040 McCawley Ave, Suite 2, MCB, MCCDC
Quantico, Virginia 22134-5053

13 ACCOUNTING DATA TO BE CITED ON RESULTING CONTRACTS

A ACRN	B. APPROPRIATION	C. SUB-HEAD	D. OBJ. CLASS	E. BU CONTROL	F SA	G AAA	H TT	I. PAA	J COST CODE	K. AMOUNT
AA	1761106	27MO	000	00264	0	000264	2D	000000	01596RCE0019	$148,757.00

14 AMOUNTS WILL NOT BE EXCEEDED IN THE OBLIGATION DOCUMENT WITHOUT PRIOR WRITTEN APPROVAL FROM THE ISSUER.

L.	TOTAL THIS DOCUMENT	$148,757.00
M.	CUMULATIVE TOTAL	$148,757.00

15. PROCUREMENT BY CONTRACT OF THE FOLLOWING ITEMS IS REQUESTED

THESE ITEMS ☐ ARE ☒ ARE NOT INCLUDED IN THE INTERSERVICE SUPPLY SUPPORT PROGRAM AND REQUIRED INTERSERVICE SCREENING ☐ HAS ☒ HAS NOT BEEN ACCOMPLISHED

A. ACRN	B. ITEM NO.	C. FSC	D. DESCRIPTION (NAT. STOCK NO., SPEC. AND/OR DRAWING NO., ETC.)	E. QUANTITY	F. UNIT	G. ESTIMATED UNIT PRICE	H. ESTIMATED AMOUNT
			Preparation of a Site Characterization Report and Corrective Action Plan for OCS Service Station				$64,215.00
			Preparation of a Site Characterization Report ~~and Corrective Action Plan for Camp Springs Service Station~~ FOR UST 27940A, FBI SERVICE STATION				$58,804.00
			Preparation of a Site Investigation for the Camp Barrett Heating Plant				$25,738.00
			FIP: M000043410RA2522E303EGENGN---				
			Copy to: Budget Branch, Comptroller Division				

16 SEE ATTACHED PAGES FOR DELIVERY SCHEDULES, PRESERVATION AND PACKAGING INSTRUCTIONS, SHIPPING INSTRUCTIONS AND INSTRUCTIONS FOR DISTRIBUTION OF CONTRACTS AND RELATED DOCUMENTS.

I. GRAND TOTAL $148,757.00

17 TRANSPORTATION ALLOTMENT *(Used if FOB Contractor's plant)*

CERTIFY THAT THE FUNDS CITED ARE PROPERLY CHARGEABLE FOR ITEMS REQUESTED.

AUTHORIZING OFFICIAL (NAME, TITLE AND SIGNATURE)
F.C. MOCK. DEPUTY, NREA BRANCH

DATE 8/20/96

19 THIS REQUEST IS ACCEPTED AND THE ITEMS WILL BE PROVIDED IN ACCORDANCE HEREWITH

ACCEPTING OFFICIAL (NAME, TITLE AND SIGNATURE)

DATE

CONTRACT LINE ITEMS TO BE EXECUTED UNDER CONTRACT NUMBER N62470-89-D-4814, FOR THE INVESTIGATION OF A PETROLEUM RELEASE AT THE FBI SERVICE STATION

CLIN	DESCRIPTION	QUANTITY	UNIT PRICE	TASK TOTAL
0001	BASE SCR PACKAGE	1	$39,914.00	39,914.00
0002	2" WELL	-3	$2,454.00	-7,362.00
0004	20' SOIL BORING	-4	$992.00	-3,968.00
0008	SLUG TEST	-2	$785.00	-1,570.00
0011	4" WELL	3	$2,804.00	8,412.00
00	SOIL/FLUID DISPOSAL	1	$2,215.00	2,215.00
0015	CONCRETE CORING	10	$57.00	570.00
0017?	NAPHTHALENE SOIL (EPA 610)	9	$210.00	1,890.00
0017K	TPH SOIL (EPA 8015-DEISEL)	9	$126.00	1,134.00
0018K	NAPHTHALENE WATER (EPA 610)	9	$210.00	1,890.00
0018N	TPH WATER (EPA 8015-DEISEL)	9	$131.00	1,179.00
00	2- DAY GEOPROBE SURVEY OR 3 ADDTIONAL 4" WELLS	1	$9,000.00	9,000.00
			TOTAL	**$53,304.00**

Attachment (b)

COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY

George Allen
Governor

Becky Norton Dunlop
Secretary of Natural Resources

Northern Virginia Region
1549 Old Bridge Road, Suite 108
Woodbridge, Virginia 22192
(703) 490-8922
Fax (703) 490-6773

Thomas L. Hopkins
Director

Gregory L. Clayton
Regional Director

September 9, 1996

Colonel Mark A. Costa
Director of Facilities Division CO4
Marine Corps Base
3250 Catlin Avenue, Suite 227
Quantico, Virginia 22134-5001

RE: **CONFIRMED PETROLEUM RELEASE** from Petroleum Storage Tank(s)
PC#97-3025; FBI Academy Garage, Marine Corps Base, Quantico, VA

Dear Colonel Costa:

On September 4, 1996 the Department of Environmental Quality (DEQ), Northern Virginia Regional Office, received a report of a petroleum release at the referenced site. Available evidence indicates that you are the Responsible Person (RP) for the petroleum release. As the RP, you are responsible for the environmental corrective action activities associated with this release as required by State Water Control Law (Articles 9, 10, and 11 of the Virginia Code, Section 62.1-44.34:8 through :23, inclusive). Your responsibilities include:

(1) take any necessary measures to abate and mitigate the effects of the release (e.g., eliminate the source, remove free-phase petroleum, remove limited quantities of petroleum saturated soils, and/or eliminate any immediate safety and environmental hazards) and submit an Initial Abatement Measures Report to this office **within 30 days of the date of this letter** (unless report has already been submitted);

(2) investigate the source, extent, and risk posed by the petroleum release and submit a Site Characterization Report (SCR) to this office **no later than December 4, 1996.** Monthly Free Product Removal Reports should also be submitted if necessary.

RE: **CONFIRMED PETROLEUM RELEASE** from Petroleum Storage Tank(s)
PC#97-3025; FBI Academy Garage, 3040 McCalley Avenue, Suite 2, Quantico, VA

The DEQ recommends that RPs who are not familiar with Virginia's environmental corrective action procedures consider contacting an environmental consultant. The consultant you retain should demonstrate knowledge and experience of Virginia's technical and administrative requirements under this program.

After this office has reviewed your report, the DEQ may either: (1) close this case, (2) request additional information/investigation, (3) require periodic monitoring of site conditions, or (4) require submittal of a Corrective Action Plan for cleanup of the petroleum release. It is important that you maintain close contact with this office while conducting the investigation and that all required reports are submitted by the appropriate deadlines.

The Virginia DEQ is very interested in assisting you in any way possible to bring this investigation to closure, effectively and efficiently. If you have any questions or if you need additional guidance, feel free to contact me at (703)490-8922. Please include the PC file number, referenced above, in all correspondence.

Sincerely,

Lewis E. Hilder
Senior Geologist

Enc: as stated
cc: File
Chron

Fact Sheet: Confirmed Releases

(effective March 1, 1995)

Highlights:

- Confirmed releases must **be reported to DEQ** (immediately for ASTs and within 24 hours for USTs).
- DEQ must pre-approve all site investigation and corrective action activities (except for initial abatement activities marked with an asterisk (*) on the Activity Authorization Form).
- Corrective action requirements are site specific and risk-based.
- It is the owner/operator's responsibility to ensure that costs for all site work are reasonable, necessary, and customary.

Pre-Approval of Site Investigation Work and Report Submittal

1) All site work must be pre-approved by the Regional Office (RO). Limited exceptions are granted for emergency abatement activities (listed on the Activity Authorization Form and Appendix 2 of the Reimbursement Guidance Manual).

2) To be eligible for reimbursement, an Activity Authorization Package must be provided to the RO as soon as possible after reporting a release. This package may be mailed or faxed to the RO.

The Activity Authorization Package consists of:

(A) A USGS topographic map indicating site location;

(B) A complete and detailed site map:

-including scale, north arrow, and legend;

-including all buildings, roads, underground utilities, and adjacent properties;

-clearly showing the tank system (including pipelines, pumps, former tank basins, etc.);

-showing proposed soil sample and monitor well locations;

-providing any risk information (potential receptors; e.g. wells, basements, surface water, etc.).

(C) The proposed Activity Authorization Form (please use black ink if faxing).

3) Once the Activity Authorization Package is approved and signed by the RO, site work may begin. Deadlines for specific reports will be issued by the RO. Because the deadlines will be issued in consideration of the work requested and site specific conditions, extensions to the deadlines will only be granted in extreme circumstances.

4) If the RO requests an Initial Abatement Report, please include:

-a brief description of the release;
-any relevant site information;
-appropriate site maps and/or figures;
-all steps taken to abate the release (hazard mitigation, prevention of further release, free product removal, etc.);
-a completed AAF (approved by the RO, with work performed column filled out).

5) If the RO requests a Site Characterization Report (SCR), please follow the general steps outlined in the "Elements of a Site Characterization Report" Fact Sheet. If the RO requests a limited or site specific SCR, include only the steps requested by the RO. A completed AAF (approved by the RO, the work performed column filled out) must also be included.

Petroleum Cleanup Activity Authorization Form

PC _____ Site Name: _____
Phase: _____ Regional Office: NVRO
Date: _____ RP/Consultant Fax Number: _____

Note: Approval of work is not DEQ approval of reimbursable costs.

Proposed Units	Contingent Units	Work Performed	Unit Type	Code	Task	Comments
			Hour	T001	*Remove Product from Tank for Release Abatement	
			Hour	T002	*Monitor for Vapor Hazards	
			Blower	T003	*Emergency Mitigation of Vapor Hazards - Set-Up	
			Day per Blower	T004	*Emergency Mitigation of Vapor Hazards - Operation and	
			Hour	T005	*Free Product (Liquid Phase) Recovery from a Pit	
			Hour	T006	*Free Product (Liquid Phase) Recovery from a Monitoring Well - Manual	
			Foot of Boom	T007	*Install Boom in Surface Waters	
			Month	T008	*Bottled Water with Bottled Water Dispenser	
			Ton	T009	*Soil Loading	
			Ton & Mile	T010	*Soil Hauling > or = 50 miles	
			Ton & Mile	T011	*Soil Hauling <50 miles	
			Ton	T012	*Soil Treatment	
			Ton	T013	*Soil Disposal at a Landfill	
			Site	T014	*Site Reconnaissance/Initial Site Map	

above tasks may be undertaken without DEQ authorization only up to the triggers.

PETROLEUM CLEANUP ACTIVITY AUTHORIZATION FORM, CONTINUED PC #_____

Proposed Units	Contingent Units	Work Performed	Unit Type	Code	Task	Comments
			Tank	T015	Underground Storage Tank (UST) Tightness Testing for Leak Confirmation	
			Line	T016	UST Line Tightness Testing for Leak Confirmation	
			Gallon	T017	Free Product/Contaminated Water Disposal	
			Hour	T018	Boom Inspection	
			Foot of New Boom	T019	Boom Replacement	
			Plan	T020	Health & Safety Plan	
			Site	T021	Site History Research	
			Hour	T022	Subsurface Line Location Prior to Drilling and Excavation	
			Mob / Dmob (Round Trip)	T023	Drill Rig Mob/Dmob	
			Linear Foot	T024	Soil Boring with Drill Rig - 5 foot Sampling Interval	
			Linear Foot	T025	Monitoring Well Installation - Two-Inch Diameter	
			Linear Foot	T026	Monitoring Well Installation - Four-Inch Diameter	
			Linear Foot	T027	Recovery Well Installation - Six-Inch Diameter	
			Hour	T028	Logging Soil-Borings	
			Drummed Ton	T029	Disposal of Well Cuttings/Soil Borings	
			Sample	T030	Soil Sampling	

PETROLEUM CLEANUP ACTIVITY AUTHORIZATION FORM, CONTINUED PC #_____

Proposed Units	Contingent Units	Work Performed	Unit Type	Code	Task	Comments
			Well	T031	Monitoring Well Sampling - Two-Inch Diameter	
			Well	T032	Monitoring Well Sampling - Four-Inch Diameter	
			Hour	T033	Survey - Monitoring Wells/Recovery Wells	
			Hour	T034	Survey - Property	
			Agreement	T035	Site Access Agreement	
			Round Trip per Piece of Equipment	T036	Heavy Equipment Mob/Dmob	
			Cubic Yard	T037	Soil Excavation for Interceptor Trench	
			Ton	T038	Debris Disposal	
			Plan	T039	Alternate Water Supply (AWS) Work Plan	
			Reimbursed Amount per Claim	T040	General Site Management	
			Hour	T041	Well Rehabilitation	
			Cubic Yard	T042	Backfilling	
			Report	T043	Initial Abatement Report Preparation	
			Report	T044	Periodic Reporting as Required by the DEQ Regional Office	
			Report	T045	Free Product (Liquid Phase) Recovery Report	
			Cubic Yard	T046	Soil Excavation for Test Pit	

TROLEUM CLEANUP ACTIVITY AUTHORIZATION FORM, CONTINUED PC #_____

Proposed Units	Contingent Units	Work Performed	Unit Type	Code	Task	Comments
			Square Foot	T047	Reseeding < 1 Acre	
			Square Foot	T048	Reseeding > or = 1 Acre	
			Survey	T049	Receptor Survey	
			Sample Point	T050	Soil Gas Survey	
			Day	T051	Soil Probe Survey	
			Hour	T052	Ground Penetrating Radar (GPR)	
			Hour	T053	Slug Test	
			Test	T054	12 Hour Pump Test	
			Test	T055	24 Hour Pump Test	
			Test	T056	48 Hour Pump Test	
			Test	T057	72 Hour Pump Test	
			Linear Foot	T058	Terrain Conductivity	
			Report	T059	Site Characterization Report	
			Site	T059A	Alternate Water Supply Add-On	
			Site	T059B	Impacted Surface Water Add-On	
			Point	T059C	Additional Data Point Add-On	

PETROLEUM CLEANUP ACTIVITY AUTHORIZATION FORM, CONTINUED PC #_____

Proposed Units	Contingent Units	Work Performed	Unit Type	Code	Task	Comments
			Site	T055D	Free Product (Liquid Phase) Add-On	
			Report	T060	Site Characterization Report Addendum	
			Cubic Yard	T061	Soil Excavation	
			Report	T062	Corrective Action Plan Preparation	
			Report	T063	Corrective Action Plan Addendum Preparation	
			Claim	T064	Reimbursement Claim Preparation	

The Following Section is to be used for Time & Materials Items Only

Proposed Units	Contingent Units	Work Performed	Unit Type	Code	Activity	Comments

PETROLEUM CLEANUP ACTIVITY AUTHORIZATION FORM CONTINUED PC #_____

Notes:

DEQ Use Only:

DEQ Regional Office Authorization:

Name: _____ Signature: _____ Date:_____

Instructions for Completing the Petroleum Cleanup Activity Authorization Form

The Regional Office will work with the RP to determine the activities necessary to abate the release and to characterize the extent of the contamination. The RP/Consultant must fill out the **Activity Authorization Form** and submit it to the Regional Office for approval of non-asterisked activities prior to the initiation of site work. The RP should fill out the information at the top of the sheet including the PC# assigned by the Regional Office, the **Site Name**, the **Phase** under which the work will be performed (see Reimbursement Guidance Manual), the appropriate **Regional Office**, the **RP/Consultant fax Number**, and the **Date** of the request. The PC# should also be placed in the appropriate box at the top of pages 2 and 3.

To complete the form, decide which tasks will be necessary to fully address the phase of corrective action. Fill out the **Proposed Units** column with the number of units believed necessary for each proposed task. Also, fill out the **Contingent Units** column to identify additional work above the **Proposed Units** which may be needed if the **Proposed Units** are found to be inadequate. The **Contingent Units** column may not be exceeded without Regional Office Approval. The **Comments** and **Notes** sections may be used to add any additional information the RP/Consultant believes necessary to assist the Regional Office in evaluating the **Activity Authorization Form**.

Any necessary **Material Items** should be listed on page 3 of the **Activity Authorization Form**. The **Projected Units** and **Contingent Units** columns should be filled out as described above. The **Unit Type** and **Code** columns should be filled out with the appropriate information from the **Material UCR Rate Table**.

The **Activity Authorization Form**, an **Initial Site Map**, and a **Topographic Map** should then be sent via mail or fax to the appropriate DEQ Regional Office. Once received and reviewed, the Regional Office will send the **Activity Authorization Form** back to the RP with any necessary changes. Only after the form is received by the RP may the approved scope of work begin.

Upon completion of a phase, the **Work Performed** column should be filled in with the actual units performed at the site.

The RP should keep all of the **Activity Authorization Forms** signed by the Regional Office for submittal along with the reimbursement claim. The RP/Consultant must also include a copy of the **Activity Authorization Form**, with the **Work Performed** column filled in, with the corresponding report for each phase.

Fact Sheet: Virginia Petroleum Storage Tank Fund (VPSTF)

(effective March 1, 1995)

Highlights:

- Financial responsibility requirements vary depending upon the type of tank (see the DEQ Reimbursement Guidance Manual).
- Only UST and AST owners, operators, or parties who have assumed liability for the release are eligible to request access to VPSTF.
- The new VPSTF Reimbursement Claim Application Form must be used for any petroleum release occurring after March 1, 1995. After October 1, 1995, all claims must be filed using the new application form.
- DEQ must approve (authorize) all investigation work in advance using the **Activity Authorization Form**.
- Owner/Operators must pay a financial responsibility requirement for each petroleum/oil release.
- The VPSTF reimburses eligible costs above the financial responsibility requirement according to the usual, customary, and reasonable (UCR) rate schedules. It is the owner's responsibility to ensure that costs for any investigative work are usual, customary, and reasonable. For the corrective action (remediation) phase, the owner must acquire bids prior to awarding the contract for work.

Reimbursement Procedures

1) The release must be reported to DEQ (immediately for ASTs and within 24 hours for USTs). Corrective action taken prior to the release report (24 hours preceding the release report for USTs) will not be eligible for reimbursement.

2) An **Activity Authorization Form** must be signed and approved by the Regional Office (RO) staff before site work may commence.

3) **The Reimbursement Eligibility Form** must be completed and submitted to DEQ Headquarters office.

Reimbursement Claim Applications may be filed at DEQ Headquarters upon completion of one or more corrective action phases. Applications will not be accepted unless the corrective action phase has been completed and the appropriate report has been submitted to the RO.

5) The Reimbursement Package must include:

(a) all costs associated with the completed corrective action phase, listed on the Corrective Action Phase Worksheet;

(b) a copy of the approved **Activity Authorization Form**;

(c) the completed Reimbursement Claim Application (with all applicable sections filled out);

(d) the Certification Affidavit;

(e) the Certification of annual UST gallonage and/or AST facility storage capacity;

(f) legible copies of all applicable receipts, invoices, billings, etc., for all costs included on the application.

6) The Reimbursement Package should be mailed to:

DEQ - OSRR
P.O. Box 10009
Richmond, VA 23240-0009

*Please Note: In general, VPSTF does **not** reimburse costs for UST/AST removals (unless these actions are pre-authorized as part of corrective action), upgrades, or installations.*

(Revised 4/14/95)

Fact Sheet: Financial Responsibility for Underground and Aboveground Storage Tanks

(effective March 1, 1995)

Highlights:

- Financial Responsibility (FR) requirements vary depending upon the type of tank (see Table 1, below)
- In the event of a release, owners and operators of petroleum tanks in Virginia must pay a FR requirement for each occurrence as their share of the cost of corrective action/cleanup.

Table 1: Financial Responsibility Access and Demonstration Requirements by Tank Type

Tank Type	Tank Definition	FR Requirement for Access	FR Requirement for Demonstration
Regulated UST	tanks and/or piping more than 10% underground	See Table 2	See Table 2
Exempt UST 1	noncommercial, greater than 1,100 gallon (farm, residential)	$500 (No third party)	n/a
Exempt UST 2	heating oil USTs	$500 (No third party)	n/a
Regulated AST Facility	greater than 25,000 gallon storage capacity	AST Access Table (No third party)	n/a at this time
Unregulated AST Facility	less than 25,000 gallon storage capacity	AST Access Table (No third party)	n/a
Small Heating Oil AST	5,000 gallon or less heating oil AST	$500 (No third party)	n/a

Financial Responsibility Requirement for UST Owners/Operators

1) The amount of FR is determined on a sliding scale by calculating the total annual gallons pumped through all of the regulated USTs owned and operated in Virginia. Annual gallonage for used oil USTs must be included (this is calculated by the number of gallons pumped out of each tank annually). At this time, only UST owners or operators are required to demonstrate FR.

2) The amount of FR determined on the sliding scale is the amount that will be required from an UST owner/operator before reimbursement from the Fund is allowed (see Table 2, below). This is also the amount of FR the UST owner/operator must demonstrate to operate these USTs legally in Virginia.

3) To demonstrate FR the UST owner/operator must have proof of at least one of the following financial documents (in the form specified in VR 680-13-03, Appendices):

- °self-insurance
- °a surety bond
- °trust agreement
- °guarantee
- °insurance
- °letter of credit

4) The UST owner/operator must use the exact language provided in the VR 680-13-03 Appendices.

5) This documentation is the proof that the owner/operator can pay their share of corrective action and third party liability claim costs if a release occurs. It must be updated annually and retained by the UST owner (either at the facility, or at corporate headquarters. However, if corporate headquarters is not in Virginia, FR must be kept at the facility).

6) DEQ must receive a copy of the FR documentation within 30 days of reporting a release.

Table 2: UST Financial Responsibility Requirement Sliding Scale

Annual Throughput (Gallons)	Corrective Action (Per Occurrence)	Third Party Liability (Per Occurrence)	Annual Aggregate (Per Occurrence)
600,000 or less	$5,000	$15,000	$20,000
600,001-1.2 M	$10,000	$30,000	$40,000
1,200,001-1.8M	$20,000	$60,000	$80,000
1,800,001-2 4M	$30,000	$120,000	$150,000
Above 2 4M	$50,000	$150,000	$200,000

Financial Responsibility Requirement for AST Operators

AST operators may have one FR requirement for access to the Fund and another amount for demonstrating FR.

2) The operator's net annual profit determines how FR will be calculated for access to the Fund, while the total storage capacity of all AST facilities in Virginia determines the FR for demonstration purposes.

3) DEQ has issued a proposed Facility Financial Responsibility Requirements Regulation (VR 680-14-14). The Regulation and FR requirement demonstration mechanisms are very similar to those in the UST FR Regulation (VR 680-13-03). **AST operators do not have to demonstrate FR at this time and will not be required to demonstrate FR until 90 days after the final regulation has been issued.**

4) If the AST operator makes less than $10 million in net annual profits, access to the Fund is based on the total storage capacity for the facility where the discharge occurs, rather than all facilities in Virginia. However, once the Regulation is issued, the FR requirement for demonstration purposes will be based on the total storage capacity of all AST facilities in Virginia. The FR requirement for AST demonstration and access therefore would not be the same. The FR requirement for access to the Fund would be lower than the FR for demonstration purposes (see Table 3.a, below).

5) If the net annual profits are greater than $10 million, then the FR requirement for demonstration and access are the same (see Table 3.b, below).

Table 3.a: AST Access for Cleanup Costs for Operator with Net Annual Profits Less than $10 Million

Storage Capacity For the **Facility Where Discharge Occurred**	Financial Responsibility Requirement
Less than 25,000 gallons	$2,500
25,000 - 4 M	Facility Storage Capacity x $0.05 per gallon
Greater than 4 M	$200,000

Table 3.b: AST Access for Cleanup Costs for Operator with Net Annual Profits of $10 Million or More

Storage Capacity For **All AST Facilities in VA**	Financial Responsibility Requirement
Less than 25,000 gallons	$200,000
25,000 - 4 M	$200,000
4,000,001 - 19,999,999M	Total Storage Capacity for all Va. Facilities x $0.05 per gallon
20 M or more	No Access

Please contact Mary-Ellen Kendall (804-527-5195) or Robyne Bridgman (804-527-5336) if you have any questions concerning your financial responsibility requirement or demonstrating financial responsibility.

(Revised 7/31/96)

Baker Environmental, Inc.
Airport Office Park, Building 3
420 Rouser Road
Coraopolis, Pennsylvania 15108

(412) 269-6000
FAX (412) 269-2002

October 3, 1996

Commanding Officer
Environmental Field Activity Chesapeake
Naval Facilities Engineering Command
901 M Street SE, Building 212
Washington, D C 20374-5018

Attn: Mr. Brent Meredith
Code 1822

Re: Contract N62470-89-D-4814
Navy CLEAN, District III
Contract Task Order (CTO) 0377
Underground Storage Tank (UST) 27940C - FBI Service Station
Marine Corps Combat Development Command (MCCDC) Quantico
Geoprobe Sampling Results and Boring Logs

Dear Mr. Meredith:

Baker Environmental, Inc. (Baker) is pleased to provide the field and analytical information for the above-referenced site. As specified in the CTO authorization, two (2) complete sets of this data package have also been provided to Mr. Mark Branca of MCCDC Quantico.

Baker completed seven Geoprobe sampling points within the vicinity of the former UST 27940C located adjacent to the FBI Service Station. The location of the seven Geoprobe sampling points are provided on the enclosed figure. Soils from two of the seven Geoprobe sampling points were described for lithologic identification. Soil boring logs are provided as Attachment A.

Groundwater samples were collected from each sampling point and analyzed via an on-site laboratory for total petroleum hydrocarbon (TPH) (both gas and diesel ranges) and benzene, toluene, ethylbenzene, and xylene (BTEX). In addition to the Geoprobe samples, two soil samples were also collected from the base of the UST excavation and analyzed on-site for TPH and BTEX. Results from both the groundwater and soil samples are provided as Attachment B. The results indicate that TPH and BTEX constituents were not detected in any of the groundwater samples Low concentrations of diesel TPH and BTEX constituents were detected in the soil samples.

Baker appreciates the opportunity to provide technical support to EFA CHES on this project Should you have any questions or comments regarding the enclosed information , or the project overall, please do not hesitate to contact me at (412) 269-2026.

Sincerely,

BAKER ENVIRONMENTAL, INC

David J. Mamrose

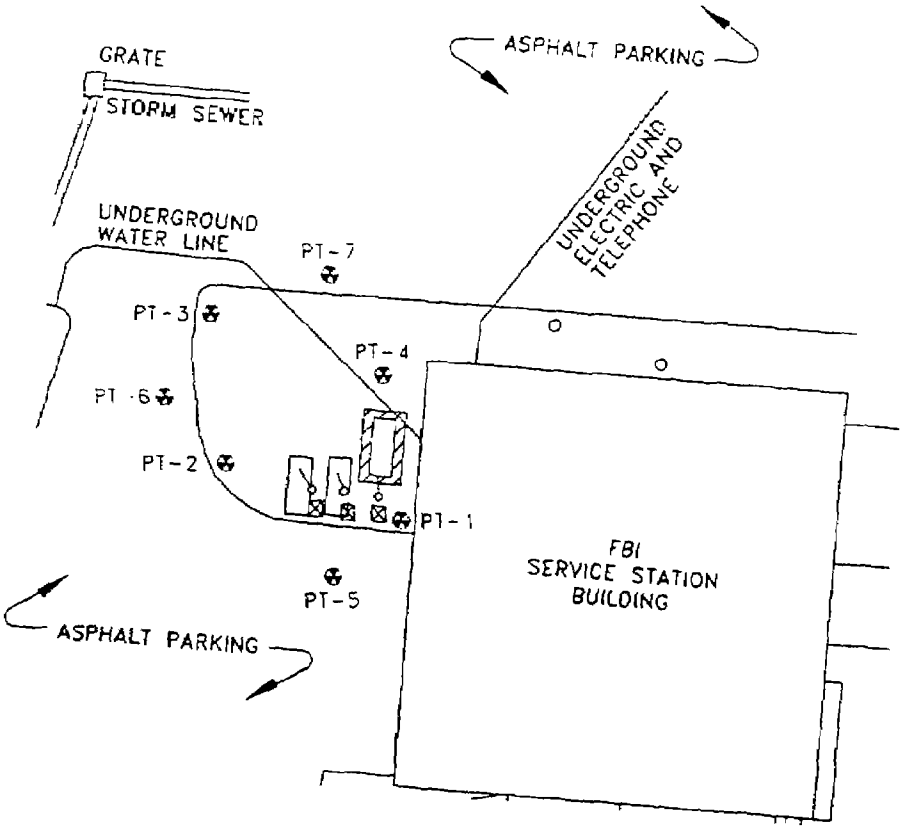
David J Mamrose, P.E.
Project Manager

DJM/lq

Figure
Attachment A - Soil Boring Logs
Attachment B - Laboratory Analysis

cc: Ms Brenda Smith, LANTDIV Code 02113 (letter only)
Ms Lee Anne Rapp, LANTDIV Code 18312 (letter only)
Mr. Mark Branca, MCCDC Quantico Code C0463.1 (w/two enclosures)

FIGURE



SCALE: N.T.S.

Baker Environmental, Inc.

LEGEND

PT-1 – GEOPROBE GROUNDWATER SAMPLE POINT

– DIESEL UST WHICH RELEASED PRODUCT

– 2000 GALLON UST

– FUEL PUMP — – FILL CAPS

FIGURE 1
GEO-PROBE SAMPLING LOCATIONS
FBI SERVICE STATION (UST-27940C)

QUANTICO MCCDC
QUANTICO, VIRGINIA

ATTACHMENT A
SOIL BORING LOGS

TEST BORING RECORD

Boring No PT-1

INSTALLATION FOI SERVICE STATION
SITE/AREA UST-3794.00
CTO NO 6347-0227
COORDINATES NORTH NA EAST NA
ELEVATION SURFACE NA

RIG. GEO-PROBE	SPLIT SPOON	AUGERS	DATE	PROGRESS (FT.)	WEATHER	WATER DEPTH (FT.)
SIZE (DIAM.)	1-3/8" ID	-1/4"ID	9/30/96	8.2'	SUNNY, WARM, 80's	20.5'
LENGTH	2.0'	5.0'				
TYPE	Std.	HSA				
HAMMER WT.	140#	--				
FALL	30"	--				

REMARKS:

SAMPLE TYPE

S = Split Spoon
T = Shelby Tube
R = Air Rotary
D = Denison
A = Auger
W = Wash
C = Core
P = Piston
N = No Sample

ACRONYMS

BG = Background
HSA = Hollow Stem Augers
ID = Inside Diameter
PID = Photionization Detector
ppm = parts per million
SPT = Standard Penetration Test (ASTM D-1586)(Blows/0.5')
WD = While Drilling

Depth (ft.)	Samp. Type and No.	Samp. Rec. (ft. & %)	SPT	Lab Samp. Desig	PID (ppm) BG/Sample	Visual Description/Comments	Elevation (ft.)
1	MACRO-CORE C1	2.8' 70%	NA	NA	BG=1.7ppm	CONCRETE SIDEWALK	
2					BG	FINE GRAINED SAND, SOME SILT, ORANGE TO RED, FILL FOR GAS STATION BUILDING FOUNDATION, DRY	
3							
4							
5	MACRO-CORE C2	2.8' 70%	NA	NA	BG	SILTY, TRACE FINE GRAINED SAND, DEEP RED WITH LT BROWN MOTTLING, MICA PRESENT @ TRACE TO LITTLE AMOUNTS, DRY	
6							
7							
8							
9	MACRO-CORE C3 (9'-12')	3.7' 93%	NA	NA	BG	SILTY, TRACE TO LITTLE FINE GRAINED SAND, DEEP RED WITH LT BROWN. LT BROWN SILTY SAND AMOUNTS INCREASING [illegible]	
10							

Match to Sheet 2

DRILLING CO LANG TECH REMEDIAL, INC
DRILLER WILLIAM CUSUMANO
BAKER REP.: KATE MONDAY
BORING NO PT-1 SHEET 1 OF 2

Baker Environmental, Inc.

TEST BORING RECORD

Boring No.: PT-1

INSTALLATION: FBI SERVICE STATION CTO NO 62470-377

SITE/AREA: UST-2794OC

SAMPLE TYPE

S = Split Spoon
T = Shelby Tube
R = Air Rotary
D = Denison
A = Auger
W = Wash
C = Core
P = Piston
N = No Sample

ACRONYMS

BG = Background
HSA = Hollow Stem Augers
ID = Inside Diameter
PID = Photionization Detector
ppm = parts per million
SPT = Standard Penetration Test (ASTM D-1586)(Blows/0.5')
WD = Whule Drilling

Depth (ft.)	Samp. Type and No.	Samp. Rec. (ft. & %)	SPT	Lab Samp. Desig	PID (ppm) BG/Sample	Visual Description/Comments	Elevation (ft.)
11	C3 (CONT.)					Continued from Sheet 1 ALSO INCREASING AMOUNT OF MICA PRESENT, DRY TO MOIST	
12							
13	MACRO-CORE C4	3.4' 85%	NA	NA	86	SILTY, LITTLE FINE GRAINED SAND, DEEP RED WITH LT BROWN. BOTH THE LT BROWN AND MICA MEDIA ARE INCREASING WITH DEPTH, MOIST	
14							
15							
16							
17	MACRO-CORE C5	4' 100%	NA	NA	BG	SILTY, LITTLE FINE GRAINED SAND, TRACE CLAY, DEEP RED WITH LT. BROWN AND BROWN. MICA CONTINUES TO INCREASE, MOIST TO DAMP.	
18							
19							
20							
21	MACRO CORE C6	3' 75%	NA	NA	BG	SILTY, LITTLE FINE GRAINED SAND AND LITTLE CLAY, DEEP RED WITH LT BROWN AND BROWN, MICA ALSO PRESENT, WET @ 20.5' TO 22' bgs.	
22							
23							
4						END OF BORING @ 23' bgs	
5							
6							
7							
8							
9							
0						Match to Sheet	

DRILLING CO.: LAND TECH REMEDIAL, INC BAKER REP.: PETE NICHOLS

DRILLER: WILLIAM CUNNINGHAM BORING NO: PT-1 SHEET 2 OF 2

TEST BORING RECORD

Boring No: PT-4

Baker Environmental, Inc.

INSTALLATION: FTE SERVICE STATION
SITE/AREA: UST-2 TANK PIT
COORDINATES: NORTH: NA EAST: NA
ELEVATION: SURFACE: NA
CTO NO: 6[illegible]-3FF

RIG: GEO-PROBE			DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT.)
	SPLIT SPOON	AUGERS				
SIZE (DIAM.)	1-3/8" ID	-1/4"ID	9/24/96	22'	SUNNY WARM MID 70'S	5.1-2' ICE
LENGTH	2.0'	5.0'				
TYPE	Std.	HSA				
HAMMER WT.	140#	--				
FALL	30"	--				

REMARKS.

SAMPLE TYPE
S = Split Spoon, A = Auger, T = Shelby Tube, W = Wash, R = Air Rotary, C = Core, D = Denison, P = Piston, N = No Sample

ACRONYMS
BG = Background, PID = Photionization Detector, HSA = Hollow Stem Augers, ppm = parts per million, ID = Inside Diameter, SPT = Standard Penetration Test (ASTM D-1586)(Blows/0.5'), WD = While Drilling

Depth (ft.)	Samp. Type and No.	Samp. Rec. (ft. & %)	SPT	Lab Samp. Desig.	PID (ppm) BG/Sample	Visual Description/Comments	Elevation (ft.)
1-4	MACRO-CORE C1	2.6' 65%	NA	NA	BG=1.7 BG	SILTY, TRACE FINE GRAINED SAND, BROWNISH RED WITH MICA PRESENT IN TRACE TO LITTLE AMOUNTS, DRY	
5-8	MACRO-CORE C2	4' 100%	NA	NA	1.8 ppm	SILTY, TRACE FINE GRAINED SAND, BROWNISH RED WITH MICA PRESENT IN TRACE TO LITTLE AMOUNTS, DRY	
7-8						SILTY, TRACE FINE GRAINED SAND, LOOP RED W/ TR BROWN STREAKING MICA PRESENT IN LITTLE AMOUNTS, DRY	
9-10	MACRO-CORE C3	2.6' 90%	NA	NA	1.8 ppm	SILTY, TRACE FINE GRAINED SAND, DEEP RED/BROWN W/ LT BROWN SILTY SAND MICA PRESENT IN LITTLE AMOUNTS...	

Match to Sheet 2

DRILLING CO: LAND TECH REMEDIAL INC
DRILLER: WILLIAM CUNNINGHAM
BAKER REP: PETE MCNEAL
BORING NO: PT-4 SHEET 1 OF 2

TEST BORING RECORD

Boring No PT-4

Baker Environmental, Inc.

INSTALLATION FBI SERVICE STATION CTO NO 62490-377

SITE/AREA UST-2794 OC

SAMPLE TYPE

S = Split Spoon
T = Shelby Tube
R = Air Rotary
D = Denison
A = Auger
W = Wash
C = Core
P = Piston
N = No Sample

ACRONYMS

BG = Background
HSA = Hollow Stem Augers
ID = Inside Diameter
PID = Photionization Detector
ppm = parts per million
SPT = Standard Penetration Test (ASTM D-1586)(Blows/0.5')
WD = While Drilling

Depth (ft)	Samp Type and No.	Samp. Rec (ft. & %)	SPT	Lab Samp. Desig	PID (ppm) BG/Sample	Visual Description/Comments	Elevation (ft.)
11	MACRO-CORE C3					Continued from Sheet 1 DECREASING AMOUNTS OF FINE GRAINED SAND MOIST	
12						SILT, DEEP RED/LT BROWN, MOIST	
13	MACRO-CORE C4	4' 100%	NA	NA	1.8ppm	SILTY, TRACE FINE GRAINED SAND, DEEP RED WITH LT. BROWN SILTY SAND MIXING THROUGHOUT, MICA PRESENT IN LITTLE TO SOME AMOUNTS. QUARTZ PEBBLES LOCATED @ 14.5' bgs., MOIST	
14							
15							
16							
17	MACRO-CORE C5	4' 100%	NA	NA	1.8ppm	SILTY, TRACE FINE GRAINED SAND, DEEP RED, MICA PRESENT IN LITTLE TO SOME AMOUNTS, QUARTZ PEBBLES PRESENT @ 19.5' bgs, ALL LARGER THAN WHAT WAS IN SAMPLE C4, MOIST TO DAMP	
18							
19							
20							
21	MACRO-CORE C6	1.3' 65%	NA	NA	BG	SILTY, TRACE FINE GRAINED SAND, DEEP RED, BLACK & LT. BROWN MICA SEEN @ 21'-22' bgs, WET @ 21.2' TO 22' bgs.	
22							
23						END OF BORING @ 22' bgs	
4							
5							
6							
7							
8							
9							
0						Match to Sheet	

DRILLING CO ANC TECHNICAL, INC BAKER REP PETE MCELROY

DRILLER WILLIAM (BOMANO BORING NO PT-4

SHEET 2 OF 2

ATTACHMENT B
LABORATORY ANALYSIS

Land Tech Remedial, Inc.

Analytical Services

569 Main Street, Monroe, Connecticut 06468
Tel: (203) 261-2673 Fax: (203) 261-4941

ANALYTICAL REPORT

Client/Location: Quantico, FBI Service Station
Project ID #: 21645
File No.: M609001-12
Matrix: Water
Analysis Date: 9/24/96

CTDHS ID: PH-0100
Method.: Modified 3810 Headspace @ 50 C
Method Title: Gasoline/Diesel Range Organics

Sample Number		PT-1	PT-2	PT-3	PT-4	PT-5	PT-6
Depth							
Collection Date		9/24/96	9/24/96	9/24/96	9/24/96	9/24/96	9/24/96
LTR No.		M609005	M609006	M609007	M609008	M609010	M609011
Dilution Factor		1.0	1.0	1.0	1.0	1.0	1.0
Parameter	*MDL, ppb*	*Concentration, ppb*					
Benzene	1	ND	ND	ND	ND	ND	ND
Toluene	1	ND	ND	ND	ND	ND	ND
Ethylbenzene	1	ND	ND	ND	ND	ND	ND
P& M-Xylenes	2	ND	ND	ND	ND	ND	ND
O-Xylene	1	ND	ND	ND	ND	ND	ND
Naphthalene	5	ND	ND	ND	ND	ND	ND
1.2.4-Trimethylbenzene	1	ND	ND	ND	ND	ND	ND
Surrogate Recovery	80-120%	85	85	80	106	108	110

Parameter	*MDL, ppm*	*Concentration, ppm*					
Gasoline Organics	0.05	ND	ND	ND	ND	ND	ND
Diesel Organics	0.05	ND	ND	ND	ND	ND	ND

MDL = Method Detection Limit
ppm = parts per million
ppb = parts per billion
mg/L=milligram per liter
µ/L = micrograms per liter
1 = Compound Detected Below MDL
ND = None Detected
M = Methanol Extraction Technique

Analyst

Wilfried Staudt, Ph.D

Land Tech Remedial, Inc.

Analytical Services

569 Main Street, Monroe, Connecticut 06468
Tel: (203) 261-2673 Fax: (203) 261-4941

ANALYTICAL REPORT

Client/Location: Quantico, FBI Service Station
Project ID #: 21645
File No.: M609001-12
Matrix: Water
Analysis Date: 9/24/96

CTDHS ID: PH-0100
Method: Modified 3810 Headspace @ 50 C (Screening)
Method Title: Gasoline/Diesel Range Organics

Sample Number		PT-7					
Depth							
Collection Date		9/24/96					
LTR No.		M609012					
Dilution Factor		1.0					
Parameter	*MDL, ppb*	*Concentration, ppb*					
Benzene	1	ND					
Toluene	1	ND					
Ethylbenzene	1	ND					
P& M-Xylenes	2	ND					
O-Xylene	1	ND					
Naphthalene	5	ND					
1,2,4-Trimethylbenzene	1	ND					
Surrogate Recovery	80-120%	92					

Parameter	*MDL, ppm*	*Concentration, ppm*					
Gasoline Organics	0.05	ND					
Diesel Organics	0.05	ND					

MDL = Method Detection Limit
ppm = parts per million
ppb = parts per billion
mg/L=milligram per liter
µ/L = micrograms per liter
I = Compound Detected Below MDL
ND = None Detected
M = Methanol Extraction Technique

Analyst.

Wilfried Staudt, Ph.D.

Land Tech Remedial, Inc.

Analytical Services

569 Main Street, Monroe, Connecticut 06468
Tel: (203) 261-2673 Fax: (203) 261-4941

ANALYTICAL REPORT

Client/Location: Quantico, FBI Service Station
Project ID #: 21645
File No.: M609034-61
Matrix: Soil
Analysis Date: 9/26/96

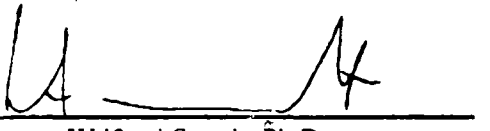
CTDHS ID: PH-0100
Method: Modified 3810 Headspace @ 50 C
Method Title: Gasoline/Diesel Range Organics

Sample Number	BOT Composite	BOT Center				
Collection Date	9/26/96	9/26/96				
LTR No.	M609042	M609043				
Dilution Factor	10.4	8.9				

Parameter	*MDL, ppb*	*Concentration, ppb*					
Benzene	5	ND	ND				
Toluene	5	ND	ND				
Ethylbenzene	5	ND	ND				
P& M-Xylenes	10	10	ND				
O-Xylene	5	ND	ND				
Naphthalene	25	ND	ND				
1.2.4-Trimethylbenzene	5	ND	ND				
Surrogate Recovery	80-120%	106	117				

Parameter	*MDL, ppm*	*Concentration, ppm*					
Gasoline Organics	0.25	ND	ND				
Diesel Organics	0.25	96	1				

MDL = Method Detection Limit
ppm = parts per million
ppb = parts per billion
mg/L=milligram per liter
µ/L = micrograms per liter
I = Compound Detected Below MDL
ND = None Detected
M = Methanol Extraction Technique

Analyst: 

Wilfried Staudt, Ph.D

Land Tech Remedial, Inc.
569 Main Street
Monroe, CT 06468]

Fax Cover Sheet

DATE:	September 29, 1996	TIME:	1:17 PM
TO:	*Peter Monday*	PHONE:	412-269-6000]
	Baker Environmental, Inc.	FAX:	412-269-2002
FROM:	Wilfried Staudt	PHONE:	203-261-2673
	Land Tech Remedial, Inc.	FAX:	203-261-4941
RE:	Analytical data from Quantico, VA		

Number of pages including cover sheet: 13

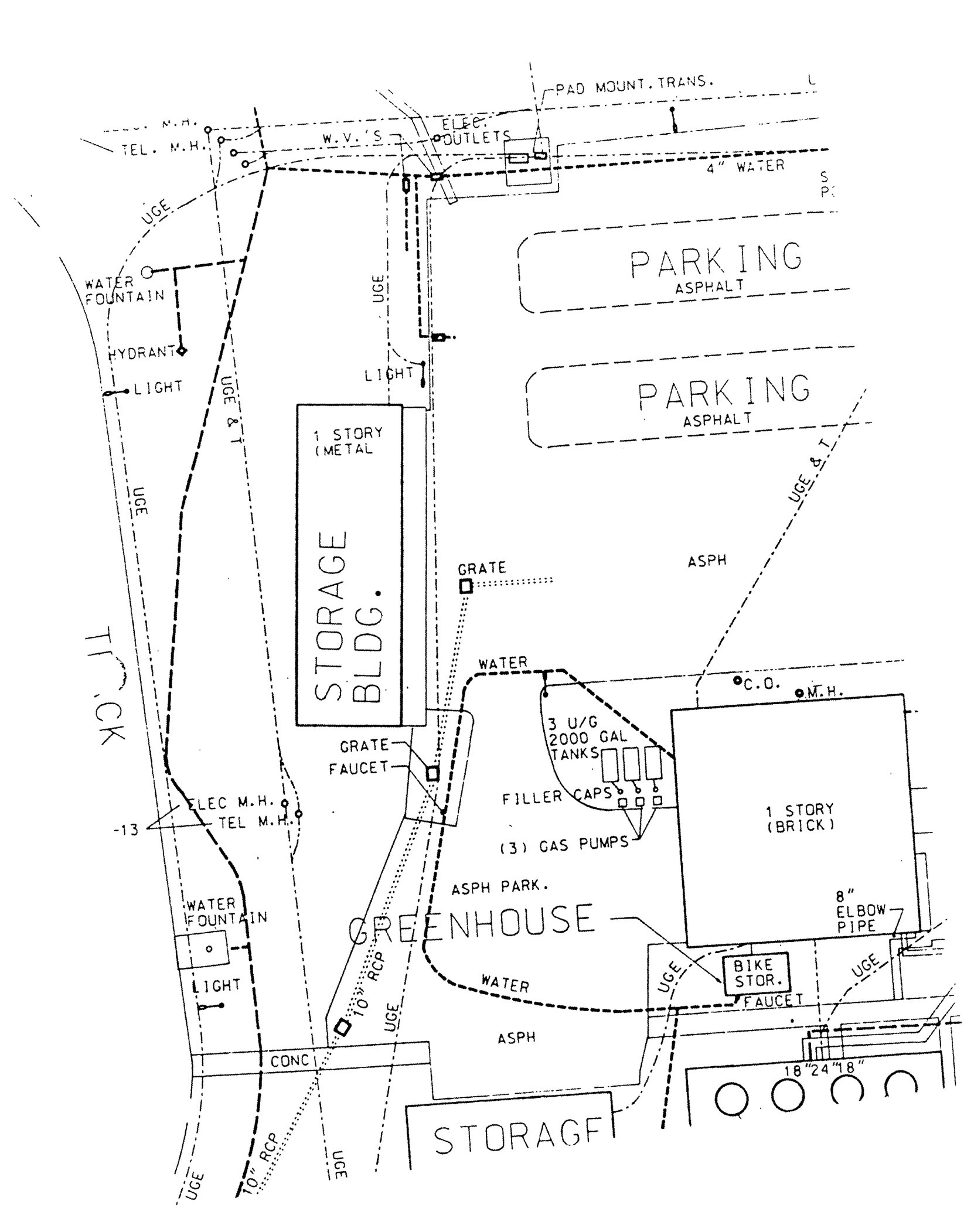
Message:

Pete, here are the analytical results from the Quantico job. If you have any questions please call me at 203-261-2673, or page me at 888-362-7592.

Also, Wil gave me this list for you:

Mc liner	19
LB liner	3
PVC 5' screen	60'
PVC 5' riser	
PVC 10' screen	11
PVC 10' riser	7

Cheers,


PAD MOUNT. TRANS.
TEL. M.H.
W.V.'S
ELEC. OUTLETS
4" WATER
UGE
PARKING
ASPHALT
WATER FOUNTAIN
HYDRANT
LIGHT
UGE
LIGHT
PARKING
ASPHALT
1 STORY (METAL
STORAGE BLDG.
UGE & T
UGE
UGE & T
GRATE
ASPH
WATER
C.O.
M.H.
3 U/G 2000 GAL TANKS
GRATE
FAUCET
FILLER CAPS
ELEC M.H.
TEL M.H.
-13
(3) GAS PUMPS
1 STORY (BRICK)
ASPH PARK.
WATER FOUNTAIN
GREENHOUSE
8" ELBOW PIPE
LIGHT
10" RCP
UGE
WATER
UGE
BIKE STOR.
FAUCET
UGE
ASPH
CONC
18"24"18"
STORAGE
10" RCP
UGE
UGE
UGE

UNDERGROUND SYSTEM CHARACTERISTICS

UIC: M00264 SYSTEM ID: 3500B

BASE AREA: MAINSIDE

Facility Name: PX SERVICE STATION Attachment No. UST-2

Operator Organization: MWR

Operator Point of Contact: RON PIERSON/ED ROSSELL

POC Telephone: (703) 640-4030 Building Number: 3400

Location: Base Coordinates: UTM Coordinates:

Status: ACTIVE

Functional Replacement:

Date Installed: / / Approximate Installation Date: 01/01/86

Deactivation Date: / / Approximate Deactivation Date: / /

Installer: Remaining Contents (gallons): 0

Capacity (gallons): 12000 Contents: UNLEAD GASOLINE

Operational Duty: SEVEN DAYS/WEEK System Use: RETAIL OUTLET

Hazardous Material/Waste Information:

Regulatory Status: REGULATED Regulatory Agency(ies): FEDERAL/STATE

UST Registration (Y/N): N Registration Date: / /

Permit Number: UNAVAILABLE

Permit Fee: $0 Permit Renewal Fee: $0

Permit Renewal Date: / /

User Defined:

UNDERGROUND SYSTEM CHARACTERISTICS

UIC: M00264 SYSTEM ID: 3500B

BASE AREA: MAINSIDE

Facility Drawing Number(s):

Tank System Characteristics and Inventory Contractor Remarks:

The field inspection conducted in July 1991 verified the location and operating status of this system.

UST 3500B is often called 3500B1. All of the USTs associated with building 3500 have been assigned their own letter to distinguish between these systems.

There are three USTs at this site that provide fuel for the PX Service Station. They are USTs 3500B-D. According to Public Works Office UST status report C280/20 C 32; 1989, fuel spills occurred twice at this site in 1988-1989. Consequently, groundwater monitoring wells were installed. Site characterization/remediation results for these incidents were not available.

According to site personnel, USTs 3500B-D are constructed of double wall fiberglass reinforced plastic but do not have interstitial monitoring. Site personnel also reported that a high level shut-off valve is in place for these systems.

UNDERGROUND SYSTEM CHARACTERISTICS

UIC: M00264 SYSTEM ID: 3500D

BASE AREA: MAINSIDE

Facility Name: PX SERVICE STATION

Operator Organization: MWR

Operator Point of Contact: RON PIERSON/ED ROSSELL

POC Telephone: (703) 640-2641 Building Number: 3400

Location: Base Coordinates: UTM Coordinates:

Status: ACTIVE

Functional Replacement:

Date Installed: / / Approximate Installation Date: 01/01/86

Deactivation Date: / / Approximate Deactivation Date: / /

Installer: Remaining Contents (gallons): 0

Capacity (gallons): 12000 Contents: UNLEAD GASOLINE

Operational Duty: SEVEN DAYS/WEEK System Use: RETAIL OUTLET

Hazardous Material/Waste Information:

Regulatory Status: REGULATED Regulatory Agency(ies): FEDERAL/STATE

UST Registration (Y/N): N Registration Date: / /

Permit Number: UNAVAILABLE

Permit Fee: $0 Permit Renewal Fee: $0

Permit Renewal Date: / /

User Defined:

UNDERGROUND SYSTEM CHARACTERISTICS

UIC: M00264 SYSTEM ID: 3500D

BASE AREA: MAINSIDE

Facility Drawing Number(s):

Tank System Characteristics and Inventory Contractor Remarks:

The field inspection conducted in July 1991 verified the location and operating status of this system.

UST 3500D is often called 3500B3. All of the USTs associated with building 3500 have been assigned their own letter to distinguish between these systems.

There are three USTs at this site that provide fuel for the PX Service Station. They are USTs 3500B-D. According to Public Works Office UST status report C280/20 C 32; 1989, fuel spills have occurred twice at this site in 1988-1989. Consequently, groundwater monitoring wells were installed.

UST 3500D had a vapor leak in its fill pipe in 1990. It was repaired and it tested tight. Site characterization/remediation results for these incidents were not available.

According to site personnel, USTs 3500B-D are constructed of double wall fiberglass reinforced plastic but they do not have interstitial monitoring. Site personnel also reported that a high level shut-off valve is in place for these systems.e at this

UNDERGROUND SYSTEM CHARACTERISTICS

UIC: M00264 SYSTEM ID: 3500C

BASE AREA: MAINSIDE

Facility Name: PX SERVICE STATION

Operator Organization: MWR

Operator Point of Contact: RON PIERSON/ED ROSSELL

POC Telephone: (703) 640-2641 Building Number: 3400

Location: Base Coordinates: UTM Coordinates:

Status: ACTIVE

Functional Replacement:

Date Installed: / / Approximate Installation Date: 01/01/86

Deactivation Date: / / Approximate Deactivation Date: / /

Installer: Remaining Contents (gallons): 0

Capacity (gallons): 12000 Contents: UNLEAD GASOLINE

Operational Duty: SEVEN DAYS/WEEK System Use: RETAIL OUTLET

Hazardous Material/Waste Information:

Regulatory Status: REGULATED Regulatory Agency(ies): FEDERAL/STATE

UST Registration (Y/N): N Registration Date: / /

Permit Number: UNAVAILABLE

Permit Fee: $0 Permit Renewal Fee: $0

Permit Renewal Date: / /

User Defined:

UNDERGROUND SYSTEM CHARACTERISTICS

UIC: M00264 SYSTEM ID: 3500C

BASE AREA: MAINSIDE

Facility Drawing Number(s):

Tank System Characteristics and Inventory Contractor Remarks:

The field inspection conducted in July 1991 verified the location and operating status of this system.

UST 3500C is often called 3500B2. All of the USTs associated with building 3500 have been assigned their own letter to distinguish between these systems.

There are three USTs at this site that provide fuel for the PX Service Station. They are USTs 3500B-D. According to Public Works Office UST status report C280/20 C 32; 1989, fuel spills occurred twice at this site in 1988-1989. Consequently, groundwater monitoring wells were installed. Site characterization/remediation results for these incidents were not available.

According to site personnel, USTs 3500B-D are constructed of double wall fiberglass reinforced plastic but they do not have interstitial monitoring. Site personnel also reported that a high level shut-off valve is in place for these systems.ccording to a Public Works Office UST status report C280/20 C 32; 1989, fuel spills occurred twicw at this site

UNDERGROUND SYSTEM CHARACTERISTICS

UIC: M00264 SYSTEM ID: 2056D

BASE AREA: MAINSIDE

Facility Name: MAINSIDE MOTOR TRANSPORT FACILITY

Operator Organization: SPT BR

Operator Point of Contact: HEAD, UTILITIES SECTION

POC Telephone: (703) 640-2065 Building Number: 2056

Location: MCCAWLEY Base Coordinates: UTM Coordinates:

Status: ACTIVE

Functional Replacement:

Date Installed: / / Approximate Installation Date: 08/01/91

Deactivation Date: / / Approximate Deactivation Date: / /

Installer: MAN CHKLIST Remaining Contents (gallons): 0

Capacity (gallons): 10000 Contents: UNLEAD GASOLINE

Operational Duty: SEVEN DAYS/WEEK System Use: MILITARY OUTLET

Hazardous Material/Waste Information:

Regulatory Status: REGULATED Regulatory Agency(ies): FEDERAL/STATE

UST Registration (Y/N): Y Registration Date: 03/08/93

Permit Number:

Permit Fee: $0 Permit Renewal Fee: $0

Permit Renewal Date: / /

User Defined:

UNDERGROUND SYSTEM CHARACTERISTICS

UIC: M00264 SYSTEM ID: 2056D

BASE AREA: MAINSIDE

Facility Drawing Number(s):

3029957

Tank System Characteristics and Inventory Contractor Remarks:

This tank, along with USTs 2056E & F, were installed the same date under the Base's Phase I UST removal contract. The project was managed by PWB ((Ms. Kathy (Clemens) Dorsey)). The contract specs was designed/written by Lt. Christopher Sibert, USN.

All the tanks mentioned herein were installed at a location approximately 100 yrds south of USTs 2056A/B/C because contamination was discovered at the old USTs' excavation site.

UNDERGROUND SYSTEM CHARACTERISTICS

UIC: M00264 SYSTEM ID: 2056E

BASE AREA: MAINSIDE

Facility Name: MAINSIDE MOTOR TRANSPORT FACILITY

Operator Organization: SPT BR

Operator Point of Contact: HEAD, UTILITIES SECTION

POC Telephone: (703) 640-2065 Building Number: 2056

Location: MCCAWLEY Base Coordinates: UTM Coordinates:

Status: ACTIVE

Functional Replacement:

Date Installed: / / Approximate Installation Date: 08/01/91

Deactivation Date: / / Approximate Deactivation Date: / /

Installer: MAN CHKLIST Remaining Contents (gallons): 0

Capacity (gallons): 10000 Contents: UNLEAD GASOLINE

Operational Duty: SEVEN DAYS/WEEK System Use: MILITARY OUTLET

Hazardous Material/Waste Information:

Regulatory Status: REGULATED Regulatory Agency(ies): FEDERAL/STATE

UST Registration (Y/N): Y Registration Date: 03/08/93

Permit Number:

Permit Fee: $0 Permit Renewal Fee: $0

Permit Renewal Date: / /

User Defined:

UNDERGROUND SYSTEM CHARACTERISTICS

UIC: M00264 SYSTEM ID: 2056E

BASE AREA: MAINSIDE

Facility Drawing Number(s):

3029957

Tank System Characteristics and Inventory Contractor Remarks:

This tank, along with USTs 2056E & F, were installed the same date under the Base's Phase I UST removal contract. The project was managed by PWB ((Ms. Kathy (Clemens) Dorsey)). The contract specs was designed/written by Lt. Christopher Sibert, USN.

All the tanks mentioned herein were installed at a location approximately 100 yrds south of USTs 2056A/B/C because contamination was discovered at the old USTs' excavation site.

UNDERGROUND SYSTEM CHARACTERISTICS

UIC: M00264 SYSTEM ID: 2056F

BASE AREA: MAINSIDE

Facility Name: MAINSIDE MOTOR TRANSPORT FACILITY

Operator Organization: SPT BR

Operator Point of Contact: HEAD, UTILITIES SECTION

POC Telephone: (703) 640-2065 Building Number: 2056

Location: MCCAWLEY Base Coordinates: UTM Coordinates:

Status: ACTIVE

Functional Replacement:

Date Installed: / / Approximate Installation Date: 08/01/91

Deactivation Date: / / Approximate Deactivation Date: / /

Installer: MAN CHKLIST Remaining Contents (gallons): 0

Capacity (gallons): 6000 Contents: DIESEL FUEL

Operational Duty: System Use: MILITARY OUTLET

Hazardous Material/Waste Information:

Regulatory Status: REGULATED Regulatory Agency(ies): FEDERAL/STATE

UST Registration (Y/N): Y Registration Date: / /

Permit Number:

Permit Fee: $0 Permit Renewal Fee: $0

Permit Renewal Date: / /

User Defined:

UNDERGROUND SYSTEM CHARACTERISTICS

UIC: M00264 SYSTEM ID: 2056F

BASE AREA: MAINSIDE

Facility Drawing Number(s):

Tank System Characteristics and Inventory Contractor Remarks:

UNDERGROUND SYSTEM CHARACTERISTICS

UIC: M00264 SYSTEM ID: 24142A

BASE AREA: CAMP BARRETT

Facility Name: MOTOR TRANSPORT FACILITY

Operator Organization: THE BASIC SCHOOL

Operator Point of Contact: TBS S-4

POC Telephone: (703) 640-5200 Building Number: 24142

Location: Base Coordinates: UTM Coordinates:

Status: ACTIVE

Functional Replacement:

Date Installed: / / Approximate Installation Date: 09/01/91

Deactivation Date: / / Approximate Deactivation Date: / /

Installer: MANUFCT CERT Remaining Contents (gallons): 0

Capacity (gallons): 4000 Contents: UNLEAD GASOLINE

Operational Duty: FIVE DAYS/WEEK System Use: MILITARY OUTLET

Hazardous Material/Waste Information:

Regulatory Status: REGULATED Regulatory Agency(ies): FEDERAL/STATE

UST Registration (Y/N): Y Registration Date: 02/18/92

Permit Number:

Permit Fee: $0 Permit Renewal Fee: $0

Permit Renewal Date: / /

User Defined:

UNDERGROUND SYSTEM CHARACTERISTICS

UIC: M00264 SYSTEM ID: 24142A

BASE AREA: CAMP BARRETT

Facility Drawing Number(s):

Tank System Characteristics and Inventory Contractor Remarks:

UNDERGROUND SYSTEM CHARACTERISTICS

UIC: M00264 SYSTEM ID: 27002C

BASE AREA: GUADALCANAL MAINTENANCE DEPT.

Facility Name: MAINTENANCE FACILITY/GAS STATION

Operator Organization: GUADALCANAL/MAINTENANCE BRANCH

Operator Point of Contact: HEAD, UTILITIES SECTION

POC Telephone: (703) 640-2065 Building Number: 27002C

Location: Base Coordinates: UTM Coordinates:

Status: ACTIVE

Functional Replacement:

Date Installed: / / Approximate Installation Date: 01/01/91

Deactivation Date: / / Approximate Deactivation Date: / /

Installer: MAN CHKLIST Remaining Contents (gallons): 0

Capacity (gallons): 10000 Contents: DIESEL FUEL

Operational Duty: FIVE DAYS/WEEK System Use: MILITARY OUTLET

Hazardous Material/Waste Information:

Regulatory Status: REGULATED Regulatory Agency(ies): FEDERAL/STATE

UST Registration (Y/N): Y Registration Date: 03/08/93

Permit Number:

Permit Fee: $0 Permit Renewal Fee: $0

Permit Renewal Date: / /

User Defined:

UNDERGROUND SYSTEM CHARACTERISTICS

UIC: M00264 SYSTEM ID: 27002C

BASE AREA: GUADALCANAL MAINTENANCE DEPT.

Facility Drawing Number(s):

Tank System Characteristics and Inventory Contractor Remarks:

This tank was installed under the Phase I UST removal contract.

UNDERGROUND SYSTEM CHARACTERISTICS

UIC: M00264 SYSTEM ID: 26156A

BASE AREA: CAMP UPSHUR

Facility Name: MOTOR TRANSPORT FACILITY

Operator Organization: FACILITY MAINTENANCE

Operator Point of Contact: HEAD, UTILITIES SECTION

POC Telephone: (703) 640-4030 Building Number: 26156

Location: Base Coordinates: UTM Coordinates:

Status: ACTIVE

Functional Replacement:

Date Installed: / / Approximate Installation Date: 01/01/92

Deactivation Date: / / Approximate Deactivation Date: / /

Installer: MAN CHKLIST Remaining Contents (gallons): 0

Capacity (gallons): 4000 Contents: DIESEL FUEL

Operational Duty: INTERMITTENT System Use: MILITARY OUTLET

Hazardous Material/Waste Information:

Regulatory Status: REGULATED Regulatory Agency(ies): FED/STATE/LOC

UST Registration (Y/N): Y Registration Date: 03/08/93

Permit Number:

Permit Fee: $0 Permit Renewal Fee: $0

Permit Renewal Date: / /

User Defined:

UNDERGROUND SYSTEM CHARACTERISTICS

UIC: M00264 SYSTEM ID: 26156A

BASE AREA: CAMP UPSHUR

Facility Drawing Number(s):

Tank System Characteristics and Inventory Contractor Remarks:

This UST was installed under Phase I UST removal contract equipped with required leak detection and overfill prevention devices. Cathodic protection requirements under the regulations is met by the FRP composition of the tank and its related piping.

Tank Leak Detection Report

[redacted] 9, 1997

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Attachment No, UST-3

All Results **Leak Threshold: 0.20**

FUELNAME	TANK	DATE	TIME	DELIVERY	HEIGHT	VOLUME	LK_RATE	RESULT
UNLEADED REG	2	6/ 1/97	00:34:43	5/14/97 07:57:36	45.03	4,605.89	-0.02	**PASS**
UNLEADED REG	2	6/ 1/97	02:56:46	5/14/97 07:57:36	44.98	4,599.95	-0.01	**PASS**
UNLEADED REG	2	6/ 1/97	05:14:33	5/14/97 07:57:36	44.82	4,579.16	-0.09	**PASS**
UNLEADED REG	2	6/ 1/97	08:07:25	5/14/97 07:57:36	44.69	4,560.80	-0.04	**PASS**
UNLEADED REG	2	6/ 1/97	10:46:41	5/14/97 07:57:36	44.48	4,533.01	-0 03	**PASS**
UNLEADED REG	2	6/ 1/97	13:27:27	5/14/97 07:57:36	44.31	4,511.70	0.09	**PASS**
UNLEADED REG	2	6/ 1/97	16:05:56	5/14/97 07:57:36	44.01	4,471.80	0.04	**PASS**
UNLEADED REG	2	6/ 1/97	19:02:40	5/14/97 07:57:36	44.01	4,471.83	0.01	**PASS**
UNLEADED REG	2	6/ 1/97	21:20:36	5/14/97 07:57:36	44.01	4,471.85	-0.01	**PASS**
UNLEADED REG	2	6/ 1/97	23:38:20	5/14/97 07:57:36	43.96	4,465.25	0.02	**PASS**
UNLEADED REG	2	6/ 2/97	01:55:20	5/14/97 07:57:36	43.96	4,465.33	0.00	**PASS**
UNLEADED REG	2	6/ 2/97	04:08:02	5/14/97 07:57:36	43.77	4,439.59	-0.01	**PASS**
UNLEADED REG	2	6/ 2/97	07:00:19	5/14/97 07:57:36	43.35	4,384.12	-0.07	**PASS**
UNLEADED REG	2	6/ 2/97	09:42:45	5/14/97 07:57:36	43.19	4,362.76	0.01	**PASS**
UNLEADED REG	2	6/ 2/97	12:23:15	5/14/97 07:57:36	42.83	4,315.51	0.11	FAIL
UNLEADED REG	2	6/ 2/97	15:14:54	5/14/97 07:57:36	42.64	4,291.11	0.17	FAIL
UNLEADED REG	2	6/ 2/97	18:05:29	5/14/97 07:57:36	42.59	4,283.35	0.06	**PASS**
UNLEADED REG	2	6/ 2/97	20:28:35	5/14/97 07:57:36	42.57	4,281.41	-0.04	**PASS**
UNLEADED REG	2	6/ 2/97	22:51:00	5/14/97 07:57:36	42.51	4,273.74	0.00	**PASS**
UNLEADED REG	2	6/ 3/97	01:08:33	5/14/97 07:57:36	42.51	4,273.84	-0.00	**PASS**
UNLEADED REG	2	6/ 3/97	03:31:25	5/14/97 07:57:36	42.48	4,269.13	-0.09	**PASS**
UNLEADED REG	2	6/ 3/97	06:02:13	5/14/97 07:57:36	41.41	4,128.23	-0.01	**PASS**
UNLEADED REG	2	6/ 3/97	09:41:23	5/14/97 07:57:36	40.73	4,039.28	-0.08	**PASS**
UNLEADED REG	2	6/ 3/97	13:13:49	5/14/97 07:57:36	40.32	3,985.35	-0.03	**PASS**
UNLEADED REG	2	6/ 3/97	16:21:55	5/14/97 07:57:36	40.06	3,951.55	0.09	**PASS**
UNLEADED REG	2	6/ 3/97	19:01:25	5/14/97 07:57:36	40.11	3,958.71	0.02	**PASS**
UNLEADED REG	2	6/ 3/97	21:07:31	5/14/97 07:57:36	40.06	3,951.59	0.01	**PASS**
UNLEADED REG	2	6/ 3/97	23:23:57	5/14/97 07:57:36	40.06	3,951.61	-0.00	**PASS**
UNLEADED REG	2	6/ 4/97	01:38:57	5/14/97 07:57:36	40.07	3,952.88	0.02	**PASS**
UNLEADED REG	2	6/ 4/97	03:57:48	5/14/97 07:57:36	39.77	3,913.90	-0.02	**PASS**
UNLEADED REG	2	6/ 4/97	06:42:21	5/14/97 07:57:36	38.88	3,797.52	-0.09	**PASS**
UNLEADED REG	2	6/ 4/97	09:38:32	5/14/97 07:57:36	38.69	3,772.40	-0.05	**PASS**
UNLEADED REG	2	6/ 4/97	12:43:57	5/14/97 07:57:36	38.03	3,686.96	-0.00	**PASS**
UNLEADED REG	2	6/ 4/97	16:52:35	5/14/97 07:57:36	37.64	3,637.12	0.14	FAIL
UNLEADED REG	2	6/ 4/97	20:28:48	5/14/97 07:57:36	37.72	3,646.53	-0.01	**PASS**
UNLEADED REG	2	6/ 4/97	22:43:14	5/14/97 07:57:36	37.64	3,636.77	-0.01	**PASS**
UNLEADED REG	2	6/ 5/97	00:49:57	5/14/97 07:57:36	37.67	3,640.03	-0.03	**PASS**
UNLEADED REG	2	6/ 5/97	03:07:45	5/14/97 07:57:36	37.37	3,602.07	-0.03	**PASS**
UNLEADED REG	2	6/ 5/97	19:15:12	6/ 5/97 10:14:21	50.25	5,298.52	0.08	**PASS**
UNLEADED REG	2	6/ 5/97	21:36:07	6/ 5/97 10:14:21	50.28	5,301.66	0.04	**PASS**
UNLEADED REG	2	6/ 5/97	23:52:58	6/ 5/97 10:14:21	50.25	5,298.41	0.01	**PASS**
UNLEADED REG	2	6/ 6/97	02:05:24	6/ 5/97 10:14:21	50.32	5,308.21	0.01	**PASS**
UNLEADED REG	2	6/ 6/97	04:38:41	6/ 5/97 10:14:21	50.18	5,288.73	-0.04	**PASS**
UNLEADED REG	2	6/ 6/97	07:18:34	6/ 5/97 10:14:21	49.37	5,182.04	-0.07	**PASS**
UNLEADED REG	2	6/ 6/97	10:49:50	6/ 5/97 10:14:21	49.34	5,177.39	-0.05	**PASS**
UNLEADED REG	2	6/ 6/97	13:19:38	6/ 5/97 10:14:21	48.75	5,099.50	0.09	**PASS**
UNLEADED REG	2	6/ 6/97	16:06:51	6/ 5/97 10:14:21	48.67	5,088.77	0.13	FAIL
UNLEADED REG	2	6/ 6/97	18:59:53	6/ 5/97 10:14:21	48.57	5,076.06	0.03	**PASS**
UNLEADED REG	2	6/ 6/97	21:09:56	6/ 5/97 10:14:21	48.62	5,082.17	0.02	**PASS**
UNLEADED REG	2	6/ 6/97	23:33:35	6/ 5/97 10:14:21	48.60	5,079.00	0.01	**PASS**
UNLEADED REG	2	6/ 7/97	02:03:24	6/ 5/97 10:14:21	48.57	5,075.86	-0.02	**PASS**
UNLEADED REG	2	6/ 7/97	04:17:41	6/ 5/97 10:14:21	48.37	5,049.37	-0.05	**PASS**
UNLEADED REG	2	6/ 7/97	07:28:52	6/ 5/97 10:14:21	48.37	5,049.55	-0.01	**PASS**
UNLEADED REG	2	6/ 7/97	09:40:59	6/ 5/97 10:14:21	48.38	5,049.91	-0.04	**PASS**
UNLEADED REG	2	6/ 7/97	12:08:28	6/ 5/97 10:14:21	48.37	5,049.70	0.12	FAIL

Tank Leak Detection Report

June 19, 1997
8:30:37 AM

MAINSIDE

MonthToDa:

Units in F gal | All Results | Leak Threshold: 0.20

FUELNAME	TANK	DATE	TIME	DELIVERY	HEIGHT	VOLUME	LK_RATE	RESULT
UNLEADED REG	2	6/ 7/97	14:24:00	6/ 5/97 10:14:21	48.16	5,021.27	0.11	FAIL
UNLEADED REG	2	6/ 7/97	17:15:08	6/ 5/97 10:14:21	47.83	4,977.75	-0.05	**PASS**
UNLEADED REG	2	6/ 7/97	20:44:55	6/ 5/97 10:14:21	47.91	4,988.44	0.03	**PASS**
UNLEADED REG	2	6/ 7/97	22:59:03	6/ 5/97 10:14:21	47.89	4,985.00	0.01	**PASS**
UNLEADED REG	2	6/ 8/97	01:11:24	6/ 5/97 10:14:21	47.89	4,984.94	-0.01	**PASS**
UNLEADED REG	2	6/ 8/97	03:18:48	6/ 5/97 10:14:21	47.75	4,966.46	-0.03	**PASS**
UNLEADED REG	2	6/ 8/97	05:45:57	6/ 5/97 10:14:21	47.76	4,968.65	-0.03	**PASS**
UNLEADED REG	2	6/ 8/97	08:56:58	6/ 5/97 10:14:21	47.65	4,953.48	-0.05	**PASS**
UNLEADED REG	2	6/ 8/97	11:38:22	6/ 5/97 10:14:21	47.62	4,950.01	-0.06	**PASS**
UNLEADED REG	2	6/ 8/97	14:30:57	6/ 5/97 10:14:21	47.46	4,928.86	0.19	FAIL
UNLEADED REG	2	6/ 8/97	17:05:10	6/ 5/97 10:14:21	47.39	4,918.50	0.10	**PASS**
UNLEADED REG	2	6/ 8/97	20:16:14	6/ 5/97 10:14:21	47.38	4,918.43	0.03	**PASS**
UNLEADED REG	2	6/ 8/97	22:35:24	6/ 5/97 10:14:21	47.44	4,925.57	-0.02	**PASS**
UNLEADED REG	2	6/ 9/97	00:52:33	6/ 5/97 10:14:21	47.38	4,918.38	-0.00	**PASS**
UNLEADED REG	2	6/ 9/97	03:21:21	6/ 5/97 10:14:21	47.14	4,886.05	-0.02	**PASS**
UNLEADED REG	2	6/ 9/97	06:14:08	6/ 5/97 10:14:21	45.61	4,682.53	-0.03	**PASS**
UNLEADED REG	2	6/ 9/97	10:36:26	6/ 5/97 10:14:21	45.30	4,641.58	-0.05	**PASS**
UNLEADED REG	2	6/ 9/97	13:31:16	6/ 5/97 10:14:21	44.38	4,520.61	0.26	FAIL
UNLEADED REG	2	6/ 9/97	17:21:54	6/ 5/97 10:14:21	44.35	4,515.82	0.19	FAIL
UNLEADED REG	2	6/ 9/97	20:04:27	6/ 5/97 10:14:21	44.42	4,525.28	0.03	**PASS**
UNLEADED REG	2	6/ 9/97	22:45:45	6/ 5/97 10:14:21	44.37	4,518.63	0.00	**PASS**
UNLEADED REG	2	6/10/97	01:08:45	6/ 5/97 10:14:21	44.32	4,511.78	-0.02	**PASS**
UNLEADED REG	2	6/10/97	03:37:12	6/ 5/97 10:14:21	44.01	4,471.20	-0.05	**PASS**
UNLEADED REG	2	6/10/97	06:49:15	6/ 5/97 10:14:21	42.88	4,322.65	-0.01	**PASS**
UNLEADED REG	2	6/10/97	10:53:48	6/ 5/97 10:14:21	41.47	4,136.70	-0.04	**PASS**
NLEADED REG	2	6/10/97	14:41:20	6/ 5/97 10:14:21	41.18	4,098.81	0.28	FAIL
JNLEADED REG	2	6/10/97	17:31:59	6/ 5/97 10:14:21	41.01	4,075.76	0.16	FAIL
JNLEADED REG	2	6/10/97	20:17:56	6/ 5/97 10:14:21	41.01	4,075.67	0.04	**PASS**
UNLEADED REG	2	6/10/97	22:48:19	6/ 5/97 10:14:21	41.03	4,079.21	0.01	**PASS**
UNLEADED REG	2	6/11/97	01:02:53	6/ 5/97 10:14:21	41.06	4,082.87	-0.03	**PASS**
UNLEADED REG	2	6/11/97	03:15:26	6/ 5/97 10:14:21	40.68	4,032.88	-0.03	**PASS**
UNLEADED REG	2	6/11/97	06:11:19	6/ 5/97 10:14:21	39.74	3,910.18	-0.01	**PASS**
UNLEADED REG	2	6/11/97	10:09:49	6/ 5/97 10:14:21	39.53	3,882.31	0.03	**PASS**
UNLEADED REG	2	6/11/97	12:50:56	6/ 5/97 10:14:21	38.57	3,757.83	0.12	FAIL
UNLEADED REG	2	6/11/97	16:49:19	6/ 5/97 10:14:21	38.41	3,736.67	0.09	**PASS**
UNLEADED REG	2	6/11/97	19:34:45	6/ 5/97 10:14:21	38.33	3,726.00	0.06	**PASS**
UNLEADED REG	2	6/11/97	21:56:32	6/ 5/97 10:14:21	38.30	3,722.62	0.01	**PASS**
UNLEADED REG	2	6/12/97	00:23:31	6/ 5/97 10:14:21	38.30	3,722.61	-0.01	**PASS**
UNLEADED REG	2	6/12/97	02:40:51	6/ 5/97 10:14:21	37.76	3,651.74	-0.03	**PASS**
UNLEADED REG	2	6/12/97	05:42:33	6/ 5/97 10:14:21	37.20	3,579.63	-0.07	**PASS**
UNLEADED REG	2	6/12/97	08:49:39	6/ 5/97 10:14:21	36.80	3,528.39	-0.03	**PASS**
UNLEADED REG	2	6/12/97	11:37:03	6/ 5/97 10:14:21	36.63	3,505.95	0.25	FAIL
UNLEADED REG	2	6/12/97	14:03:26	6/ 5/97 10:14:21	36.12	3,440.54	0.06	**PASS**
UNLEADED REG	2	6/12/97	17:58:02	6/ 5/97 10:14:21	35.99	3,424.19	0.06	**PASS**
UNLEADED REG	2	6/12/97	20:46:28	6/ 5/97 10:14:21	36.02	3,427.86	0.03	**PASS**
UNLEADED REG	2	6/12/97	23:22:23	6/ 5/97 10:14:21	36.08	3,435.44	-0.03	**PASS**
UNLEADED REG	2	6/13/97	01:54:10	6/ 5/97 10:14:21	35.84	3,405.21	-0.03	**PASS**
UNLEADED REG	2	6/13/97	05:04.59	6/ 5/97 10:14:21	35.39	3,346.95	-0.05	**PASS**
UNLEADED REG	2	6/13/97	08:17:49	6/ 5/97 10:14:21	35.18	3,320.29	-0.09	**PASS**
UNLEADED REG	2	6/13/97	11:01:18	6/ 5/97 10:14:21	34.44	3,226.13	0.03	**PASS**
UNLEADED REG	2	6/13/97	14:45.43	6/ 5/97 10:14:21	34.27	3,204.60	0.11	FAIL
UNLEADED REG	2	6/13/97	17:33:26	6/ 5/97 10:14:21	34.27	3,204.41	0.16	FAIL
UNLEADED REG	2	6/13/97	20:04:47	6/ 5/97 10:14:21	34.23	3,198 77	-0.04	**PASS**
UNLEADED REG	2	6/13/97	22:51:53	6/ 5/97 10:14:21	34 31	3,209.29	-0.02	**PASS**
UNLEADED REG	2	6/14/97	01:12:20	6/ 5/97 10:14:21	34.31	3,209.30	0.01	**PASS**

Tank Leak Detection Report

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Units in F gal All Results Leak Threshold: 0.20

FUELNAME	TANK	DATE	TIME	DELIVERY	HEIGHT	VOLUME	LK_RATE	RESULT
UNLEADED REG	2	6/14/97	03:42:28	6/ 5/97 10:14:21	33.96	3,165.36	-0.03	**PASS**
UNLEADED REG	2	6/14/97	06:44:03	6/ 5/97 10:14:21	33.96	3,165.40	-0.04	**PASS**
UNLEADED REG	2	6/14/97	09:03 53	6/ 5/97 10:14.21	33.88	3,155.19	-0.05	**PASS**
UNLEADED REG	2	6/14/97	11:36:48	6/ 5/97 10:14:21	33.86	3,151.87	0 01	**PASS**
UNLEADED REG	2	6/14/97	13:51:38	6/ 5/97 10:14:21	33.94	3,162.29	-0.01	**PASS**
UNLEADED REG	2	6/14/97	16:19:17	6/ 5/97 10:14:21	33.75	3,138.36	0 09	**PASS**
UNLEADED REG	2	6/14/97	18:46:52	6/ 5/97 10:14:21	33.54	3,111.23	0.09	**PASS**
UNLEADED REG	2	6/14/97	21:28:18	6/ 5/97 10:14:21	33.62	3,121.46	0.02	**PASS**
UNLEADED REG	2	6/15/97	00:19:30	6/ 5/97 10:14:21	33.54	3,111.30	-0.02	**PASS**
UNLEADED REG	2	6/15/97	02:41:45	6/ 5/97 10:14:21	33.62	3,121.59	-0 03	**PASS**
UNLEADED REG	2	6/15/97	05:08:36	6/ 5/97 10:14:21	33.43	3,097.30	-0.09	**PASS**
UNLEADED REG	2	6/15/97	07:59:17	6/ 5/97 10:14:21	33.38	3,090.99	-0.04	**PASS**
UNLEADED REG	2	6/15/97	10:21:20	6/ 5/97 10:14:21	33.38	3,091.40	-0.09	**PASS**
UNLEADED REG	2	6/15/97	12:42:34	6/ 5/97 10:14:21	33.38	3,091.29	0.03	**PASS**
UNLEADED REG	2	6/15/97	15:04:37	6/ 5/97 10:14:21	33.43	3,097.38	0.27	FAIL
UNLEADED REG	2	6/15/97	17:25:25	6/ 5/97 10:14:21	33.20	3,068.56	0.26	FAIL
UNLEADED REG	2	6/15/97	20:01:34	6/ 5/97 10:14:21	33.25	3,075.18	0.03	**PASS**
UNLEADED REG	2	6/15/97	22:31:25	6/ 5/97 10:14:21	33.25	3,075.22	-0.01	**PASS**
UNLEADED REG	2	6/16/97	00:54:15	6/ 5/97 10:14:21	33.25	3,075.32	-0.03	**PASS**
UNLEADED REG	2	6/16/97	03:15:35	6/ 5/97 10:14:21	32.52	2,982.49	0.00	**PASS**
UNLEADED REG	2	6/16/97	06:41:02	6/ 5/97 10:14:21	31.00	2,793.66	-0.02	**PASS**
UNLEADED REG	2	6/16/97	11:13:04	6/ 5/97 10:14:21	29.45	2,602.14	-0.07	**PASS**
UNLEADED REG	2	6/16/97	14:59:21	6/ 5/97 10:14:21	28.82	2,525.02	0.18	FAIL
UNLEADED REG	2	6/16/97	18:09:36	6/ 5/97 10:14:21	28.81	2,524.51	0.10	FAIL
UNLEADED REG	2	6/16/97	20:31:38	6/ 5/97 10:14:21	28.84	2,528.34	-0.03	**PASS**
UNLEADED REG	2	6/16/97	22:53:22	6/ 5/97 10:14:21	28.84	2,528.33	-0.03	**PASS**
UNLEADED REG	2	6/17/97	01:19:58	6/ 5/97 10:14:21	28.78	2,520.71	-0.04	**PASS**
UNLEADED REG	2	6/17/97	03:36:40	6/ 5/97 10:14:21	27.75	2,395.85	0.02	**PASS**
UNLEADED REG	2	6/17/97	07:33:54	6/ 5/97 10:14:21	26.79	2,281.73	-0.00	**PASS**
UNLEADED REG	2	6/17/97	10:57:19	6/ 5/97 10:14:21	26.73	2,274.34	-0.05	**PASS**
UNLEADED REG	2	6/17/97	13:40:16	6/ 5/97 10:14:21	26.19	2,210.81	0.40	FAIL
UNLEADED REG	2	6/17/97	16:35:57	6/ 5/97 10:14:21	25.81	2,165.92	0.04	**PASS**
UNLEADED REG	2	6/17/97	19:51:09	6/ 5/97 10:14:21	25.73	2,156.55	-0.01	**PASS**
UNLEADED REG	2	6/17/97	22:14:21	6/ 5/97 10:14:21	25.81	2,165.87	-0.00	**PASS**
UNLEADED REG	2	6/18/97	00:31:07	6/ 5/97 10:14:21	25.72	2,154.82	-0.00	**PASS**
UNLEADED REG	2	6/18/97	03:12:25	6/ 5/97 10:14:21	25.38	2,114.70	-0.04	**PASS**
UNLEADED REG	2	6/18/97	19:17:14	6/18/97 10:16:43	66.15	7,348.58	-0.02	**PASS**
UNLEADED REG	2	6/18/97	22:07:22	6/18/97 10:16:43	66.15	7,348.55	-0.08	**PASS**
UNLEADED REG	2	6/19/97	00:23:24	6/18/97 10:16:43	66.07	7,338.92	-0.01	**PASS**
UNLEADED REG	2	6/19/97	02:58:44	6/18/97 10:16:43	66.01	7,330.93	-0.02	**PASS**

Tank Leak Detection Report

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Units in F gal All Results **Leak Threshold: 0.20**

FUELNAME	TANK	DATE	TIME	DELIVERY	HEIGHT	VOLUME	LK_RATE	RESULT
UNLEADED REG	3	6/ 1/97	00:59:14	5/14/97 08:14:18	38.26	3,717.45	0.00	**PASS**
UNLEADED REG	3	6/ 1/97	03 13:47	5/14/97 08:14:18	38.26	3,717.11	0.00	**PASS**
UNLEADED REG	3	6/ 1/97	05:36:50	5/14/97 08:14:18	38.15	3,702.74	0.02	**PASS**
UNLEADED REG	3	6/ 1/97	07:58:21	5/14/97 08:14:18	37.97	3,678.86	-0.05	**PASS**
UNLEADED REG	3	6/ 1/97	11:18:02	5/14/97 08:14:18	37.99	3,682.54	0.01	**PASS**
UNLEADED REG	3	6/ 1/97	15:22:17	5/14/97 08:14:18	37.96	3,677.64	0.01	**PASS**
UNLEADED REG	3	6/ 1/97	17:59:59	5/14/97 08:14:18	37.90	3,670.54	-0.04	**PASS**
UNLEADED REG	3	6/ 1/97	20:47:35	5/14/97 08:14:18	37.73	3,648.27	-0.00	**PASS**
UNLEADED REG	3	6/ 1/97	23:00:25	5/14/97 08:14:18	37.84	3,663.16	0.01	**PASS**
UNLEADED REG	3	6/ 2/97	01:19:57	5/14/97 08:14:18	37.84	3,663.19	0.00	**PASS**
UNLEADED REG	3	6/ 2/97	03:40:36	5/14/97 08:14:18	36.82	3,530.79	-0.01	**PASS**
UNLEADED REG	3	6/ 2/97	07:43:55	5/14/97 08:14:18	36.05	3,431.11	0.01	**PASS**
UNLEADED REG	3	6/ 2/97	11:20:42	5/14/97 08:14:18	34.95	3,291.30	-0.06	**PASS**
UNLEADED REG	3	6/ 2/97	17:27:33	5/14/97 08:14:18	34.86	3,278.82	0.00	**PASS**
UNLEADED REG	3	6/ 2/97	19:59:19	5/14/97 08:14:18	34.88	3,282.01	0.00	**PASS**
UNLEADED REG	3	6/ 2/97	22:09:57	5/14/97 08:14:18	34.88	3,281.91	-0.00	**PASS**
UNLEADED REG	3	6/ 3/97	00:23:43	5/14/97 08:14:18	34.86	3,278.70	0.01	**PASS**
UNLEADED REG	3	6/ 3/97	02:34:14	5/14/97 08:14:18	34.63	3,250.15	-0.03	**PASS**
UNLEADED REG	3	6/ 3/97	06:06:45	5/14/97 08:14:18	33.97	3,165.86	-0.04	**PASS**
UNLEADED REG	3	6/ 3/97	09:49:05	5/14/97 08:14:18	33.04	3,048.59	0.02	**PASS**
UNLEADED REG	3	6/ 3/97	14:32:39	5/14/97 08:14:18	32.46	2,975.99	-0.04	**PASS**
UNLEADED REG	3	6/ 3/97	17:26:17	5/14/97 08:14:18	32.28	2,952.36	-0.03	**PASS**
UNLEADED REG	3	6/ 3/97	21:23:12	5/14/97 08:14:18	32.28	2,952.38	-0.02	**PASS**
UNLEADED REG	3	6/ 3/97	23:41:52	5/14/97 08:14:18	32.42	2,970.52	-0.00	**PASS**
UNLEADED REG	3	6/ 4/97	02:00:54	5/14/97 08:14:18	32.16	2,937.88	-0.02	**PASS**
UNLEADED REG	3	6/ 4/97	04:20:33	5/14/97 08:14:18	31.44	2,847.45	-0.09	**PASS**
UNLEADED REG	3	6/ 4/97	10:09:49	5/14/97 08:14:18	29.88	2,654.90	-0.04	**PASS**
UNLEADED REG	3	6/ 4/97	19:13:41	5/14/97 08:14:18	29.76	2,639.90	-0.04	**PASS**
UNLEADED REG	3	6/ 4/97	21:56:15	5/14/97 08:14:18	29.81	2,646.91	-0.01	**PASS**
UNLEADED REG	3	6/ 5/97	00:10:13	5/14/97 08:14:18	29.81	2,646.93	-0.02	**PASS**
UNLEADED REG	3	6/ 5/97	02:25:39	5/14/97 08:14:18	29.62	2,623.84	-0.03	**PASS**
UNLEADED REG	3	6/ 5/97	19:24:09	6/ 5/97 10:23:14	74.56	8,333.54	0.01	**PASS**
UNLEADED REG	3	6/ 5/97	21:49:30	6/ 5/97 10:23:14	74.56	8,333.98	-0.01	**PASS**
UNLEADED REG	3	6/ 6/97	00:11:45	6/ 5/97 10:23:14	74.54	8,331.28	0.02	**PASS**
UNLEADED REG	3	6/ 6/97	02:28:46	6/ 5/97 10:23:14	74.35	8,310.22	0.01	**PASS**
UNLEADED REG	3	6/ 6/97	05:18:20	6/ 5/97 10:23:14	72.94	8,152.20	0.07	**PASS**
UNLEADED REG	3	6/ 6/97	11:40:45	6/ 5/97 10:23:14	72.34	8,083.52	-0.00	**PASS**
UNLEADED REG	3	6/ 6/97	17:30:26	6/ 5/97 10:23:14	71.87	8,030.23	0.03	**PASS**
UNLEADED REG	3	6/ 6/97	21:28:33	6/ 5/97 10:23:14	71.87	8,030.09	0.00	**PASS**
UNLEADED REG	3	6/ 6/97	23:51:56	6/ 5/97 10:23:14	71.85	8,027.33	-0.00	**PASS**
UNLEADED REG	3	6/ 7/97	02:16:54	6/ 5/97 10:23:14	71.78	8,019.43	-0.00	**PASS**
UNLEADED REG	3	6/ 7/97	04:41:32	6/ 5/97 10:23:14	71.56	7,994.52	0.00	**PASS**
UNLEADED REG	3	6/ 7/97	07:08:03	6/ 5/97 10:23:14	71.58	7,996.88	0.00	**PASS**
UNLEADED REG	3	6/ 7/97	09:25:29	6/ 5/97 10:23:14	71.41	7,976.48	0.02	**PASS**
UNLEADED REG	3	6/ 7/97	12:29:35	6/ 5/97 10:23:14	71.40	7,975.87	0.01	**PASS**
UNLEADED REG	3	6/ 7/97	16:02:19	6/ 5/97 10:23:14	71.05	7,935.68	-0.01	**PASS**
UNLEADED REG	3	6/ 7/97	19:00:24	6/ 5/97 10:23:14	71.03	7,933.06	0.02	**PASS**
UNLEADED REG	3	6/ 7/97	21:43:15	6/ 5/97 10:23:14	71.06	7,935.77	-0.00	**PASS**
UNLEADED REG	3	6/ 8/97	00:03:42	6/ 5/97 10:23:14	71.05	7,935.71	-0.01	**PASS**
UNLEADED REG	3	6/ 8/97	02:32:19	6/ 5/97 10:23:14	71.03	7,932.92	-0.01	**PASS**
UNLEADED REG	3	6/ 8/97	04:55:31	6/ 5/97 10:23:14	70.54	7,875.66	0.02	**PASS**
UNLEADED REG	3	6/ 8/97	16:02:00	6/ 5/97 10:23:14	70.52	7,872.96	-0.06	**PASS**
UNLEADED REG	3	6/ 8/97	20:01:13	6/ 5/97 10:23:14	70.54	7,875.71	-0.00	**PASS**
UNLEADED REG	3	6/ 8/97	22:30.24	6/ 5/97 10.23:14	70.52	7,872.98	-0.01	**PASS**
UNLEADED REG	3	6/ 9/97	00:51:08	6/ 5/97 10:23:14	70 42	7,861.74	0 01	**PASS**

Tank Leak Detection Report

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Units in F gal | All Results | Leak Threshold: 0.20

FUELNAME	TANK	DATE	TIME	DELIVERY	HEIGHT	VOLUME	LK_RATE	RESULT
UNLEADED REG	3	6/ 9/97	03:06:35	6/ 5/97 10:23:14	67.46	7.508.44	0 00	**PASS**
UNLEADED REG	3	6/ 9/97	15:56:43	6/ 5/97 10:23:14	67.24	7.481.97	-0.04	**PASS**
UNLEADED REG	3	6/ 9/97	19:51:56	6/ 5/97 10.23:14	67.19	7.475.74	0.01	**PASS**
UNLEADED REG	3	6/ 9/97	22:26:14	6/ 5/97 10.23:14	67.27	7.484 90	-0.01	**PASS**
UNLEADED REG	3	6/10/97	01:16:15	6/ 5/97 10:23:14	67.22	7.478.76	-0.02	**PASS**
UNLEADED REG	3	6/10/97	03:42:16	6/ 5/97 10:23:14	65.98	7.328.03	-0.02	**PASS**
UNLEADED REG	3	6/10/97	08:00:57	6/ 5/97 10:23:14	65.86	7.313.39	0.20	FAIL
UNLEADED REG	3	6/10/97	11 01:23	6/ 5/97 10:23:14	64.64	7.162.10	-0.02	**PASS**
UNLEADED REG	3	6/10/97	15:52:11	6/ 5/97 10:23:14	64.14	7.100.00	0 01	**PASS**
UNLEADED REG	3	6/10/97	19:54:41	6/ 5/97 10:23:14	64.10	7.094.02	0.01	**PASS**
UNLEADED REG	3	6/10/97	22:04:07	6/ 5/97 10:23:14	64.10	7.093.97	0.01	**PASS**
UNLEADED REG	3	6/11/97	00:23:27	6/ 5/97 10:23:14	64.12	7.096.90	-0.01	**PASS**
UNLEADED REG	3	6/11/97	02:45:13	6/ 5/97 10:23:14	64.02	7.084.54	0.00	**PASS**
UNLEADED REG	3	6/11/97	05:23:19	6/ 5/97 10:23:14	62.85	6.937.67	0.03	**PASS**
UNLEADED REG	3	6/11/97	10:57:58	6/ 5/97 10:23:14	61.80	6.804.18	0.02	**PASS**
UNLEADED REG	3	6/11/97	15:42:24	6/ 5/97 10:23:14	61.40	6.753.41	-0.03	**PASS**
UNLEADED REG	3	6/11/97	18:45:39	6/ 5/97 10:23:14	61.40	6.753.32	-0.02	**PASS**
UNLEADED REG	3	6/11/97	21:15:53	6/ 5/97 10:23:14	61.42	6.756.60	-0.01	**PASS**
UNLEADED REG	3	6/11/97	23:32:08	6/ 5/97 10:23:14	61.45	6.759.82	-0.00	**PASS**
UNLEADED REG	3	6/12/97	01:46:29	6/ 5/97 10:23:14	61.42	6.756.91	-0.01	**PASS**
UNLEADED REG	3	6/12/97	04:02:04	6/ 5/97 10:23:14	60.88	6.687.94	-0.06	**PASS**
UNLEADED REG	3	6/12/97	06:58:29	6/ 5/97 10:23:14	60.32	6.615.32	0.11	FAIL
UNLEADED REG	3	6/12/97	10:24:33	6/ 5/97 10:23:14	58.61	6.396.23	0.15	FAIL
UNLEADED REG	3	6/12/97	15:11:29	6/ 5/97 10:23:14	58.32	6.358.50	-0.04	**PASS**
UNLEADED REG	3	6/12/97	18:16:50	6/ 5/97 10:23:14	58.28	6.352.29	-0.00	**PASS**
UNLEADED REG	3	6/12/97	20:54:45	6/ 5/97 10:23:14	58.32	6.358.40	0.01	**PASS**
UNLEADED REG	3	6/12/97	23:17:38	6/ 5/97 10:23:14	58.32	6.358.41	-0.00	**PASS**
UNLEADED REG	3	6/13/97	01:38:22	6/ 5/97 10:23:14	58.27	6.352.18	-0.01	**PASS**
UNLEADED REG	3	6/13/97	04:01:14	6/ 5/97 10:23:14	58.23	6.346.02	0.00	**PASS**
UNLEADED REG	3	6/13/97	06:25:16	6/ 5/97 10:23:14	57.95	6.310.75	-0.01	**PASS**
UNLEADED REG	3	6/13/97	09:17:10	6/ 5/97 10:23:14	57.65	6.270.77	0.19	FAIL
UNLEADED REG	3	6/13/97	12:07:48	6/ 5/97 10:23:14	57.06	6.194.91	0.03	**PASS**
UNLEADED REG	3	6/13/97	15:19:11	6/ 5/97 10:23:14	56.91	6.175.15	0.02	**PASS**
UNLEADED REG	3	6/13/97	18:08:50	6/ 5/97 10:23:14	56.48	6.119.21	-0.01	**PASS**
UNLEADED REG	3	6/13/97	21:17:35	6/ 5/97 10:23:14	56.46	6.115.61	0.02	**PASS**
UNLEADED REG	3	6/13/97	23:57:35	6/ 5/97 10:23:14	56.40	6.108.74	-0.00	**PASS**
UNLEADED REG	3	6/14/97	02:26:01	6/ 5/97 10:23:14	56.40	6.108.79	0.00	**PASS**
UNLEADED REG	3	6/14/97	04:54:03	6/ 5/97 10:23:14	55.98	6.053.16	-0.04	**PASS**
UNLEADED REG	3	6/14/97	07:52:38	6/ 5/97 10:23:14	55.92	6.046.00	-0.01	**PASS**
UNLEADED REG	3	6/14/97	10:26:39	6/ 5/97 10:23:14	55.92	6.046.09	-0.01	**PASS**
UNLEADED REG	3	6/14/97	12:54:49	6/ 5/97 10:23:14	55.81	6.030.89	-0.04	**PASS**
UNLEADED REG	3	6/14/97	15:32:27	6/ 5/97 10:23:14	55.69	6.015.85	-0.02	**PASS**
UNLEADED REG	3	6/14/97	18:21:05	6/ 5/97 10:23:14	55.67	6.012.50	-0.03	**PASS**
UNLEADED REG	3	6/14/97	20:42:49	6/ 5/97 10:23:14	55.67	6.012.61	0.00	**PASS**
UNLEADED REG	3	6/14/97	23:13:12	6/ 5/97 10:23:14	55.72	6.019.40	-0.01	**PASS**
UNLEADED REG	3	6/15/97	01:31:02	6/ 5/97 10:23:14	55.67	6.012.59	0.00	**PASS**
UNLEADED REG	3	6/15/97	03:48.46	6/ 5/97 10:23:14	55.53	5.994.58	-0.01	**PASS**
UNLEADED REG	3	6/15/97	06:35:54	6/ 5/97 10:23:14	55.58	6.001.40	0.04	**PASS**
UNLEADED REG	3	6/15/97	09:08:44	6/ 5/97 10:23:14	55.51	5.991.95	0.18	FAIL
UNLEADED REG	3	6/15/97	11:48:11	6/ 5/97 10:23:14	55.48	5.988.34	0.07	**PASS**
UNLEADED REG	3	6/15/97	14:13:25	6/ 5/97 10:23:14	55 45	5.983.79	-0.07	**PASS**
UNLEADED REG	3	6/15/97	16:43:47	6/ 5/97 10:23:14	55.34	5.969.43	-0.04	**PASS**
UNLEADED REG	3	6/15/97	19:27:44	6/ 5/97 10:23:14	55.34	5.969.52	0 00	**PASS**
UNLEADED REG	3	6/15/97	21:55.58	6/ 5/97 10 23:14	55.34	5.969.55	0 01	**PASS**
UNLEADED REG	3	6/16/97	00:12:22	6/ 5/97 10:23:14	55.34	5.969.61	0.01	**PASS**

Tank Leak Detection Report

June 19, 1997

MAINSIDE 8:30:37 AM MonthToDate

Units in Gal All Results **Leak Threshold: 0.20**

FUELNAME	TANK	DATE	TIME	DELIVERY	HEIGHT	VOLUME	LK_RATE	RESULT
UNLEADED REG	3	6/16/97	02:30:33	6/ 5/97 10:23:14	55.28	5,962.14	0.00	**PASS**
UNLEADED REG	3	6/16/97	04:56:59	6/ 5/97 10:23:14	53.13	5,678.61	-0.01	**PASS**
UNLEADED REG	3	6/16/97	09:29:06	6/ 5/97 10:23:14	52.51	5,597.92	0.14	FAIL
UNLEADED REG	3	6/16/97	12:49:38	6/ 5/97 10:23:14	52.01	5,531.20	0.00	**PASS**
UNLEADED REG	3	6/16/97	15:35:36	6/ 5/97 10:23:14	51.77	5,499.95	-0.04	**PASS**
UNLEADED REG	3	6/16/97	18:35:26	6/ 5/97 10:23:14	51.82	5,506.28	-0.01	**PASS**
UNLEADED REG	3	6/16/97	20:56:23	6/ 5/97 10:23:14	51.82	5,506.27	0.01	**PASS**
UNLEADED REG	3	6/16/97	23:17:44	6/ 5/97 10:23:14	51.82	5,506.21	0.02	**PASS**
UNLEADED REG	3	6/17/97	01:31:43	6/ 5/97 10:23:14	51.82	5,506.19	0.00	**PASS**
UNLEADED REG	3	6/17/97	03:48:11	6/ 5/97 10:23:14	51.37	5,446.31	-0.03	**PASS**
UNLEADED REG	3	6/17/97	06:58:46	6/ 5/97 10:23:14	50.42	5,320.63	0.02	**PASS**
UNLEADED REG	3	6/17/97	11:49:11	6/ 5/97 10:23:14	48.66	5,087.24	0.07	**PASS**
UNLEADED REG	3	6/17/97	18:27:48	6/ 5/97 10:23:14	48.76	5,100.83	0.01	**PASS**
UNLEADED REG	3	6/17/97	21:01:09	6/ 5/97 10:23:14	48.74	5,097.50	-0.00	**PASS**
UNLEADED REG	3	6/17/97	23:18:48	6/ 5/97 10:23:14	48.81	5,107.62	0.01	**PASS**
UNLEADED REG	3	6/18/97	01:46:51	6/ 5/97 10:23:14	48.81	5,107.75	0.00	**PASS**
UNLEADED REG	3	6/18/97	04:08:17	6/ 5/97 10:23:14	48.33	5,043.39	-0.00	**PASS**
UNLEADED REG	3	6/18/97	19:25:00	6/18/97 10:24:49	66.09	7,341.56	-0.07	**PASS**
UNLEADED REG	3	6/18/97	21:43:13	6/18/97 10:24:49	66.09	7,341.65	-0.01	**PASS**
UNLEADED REG	3	6/18/97	23:59:19	6/18/97 10:24:49	66.14	7,347.77	-0.00	**PASS**
UNLEADED REG	3	6/19/97	02:17:43	6/18/97 10:24:49	65.75	7,299.35	0.05	**PASS**

Tank Leak Detection Report

MAINSIDE

June 30, 1997
11:15:50 AM

MonthToDate

Units: in F gal All Results **Leak Threshold: 0.20**

FUELNAME	TANK	DATE	TIME	DELIVERY	HEIGHT	VOLUME	LK_RATE	RESULT
DIESEL #1	1	6/ 1/97	02:11:10	5/28/97 10:15:36	50.28	3,181.24	0.01	**PASS**
DIESEL #1	1	6/ 1/97	04:32:47	5/28/97 10:15:36	50.28	3,181.25	0.00	**PASS**
DIESEL #1	1	6/ 1/97	06:54:34	5/28/97 10:15:36	50.20	3,175.36	0.01	**PASS**
DIESEL #1	1	6/ 1/97	09:24:32	5/28/97 10:15:36	50.20	3,175.39	0.01	**PASS**
DIESEL #1	1	6/ 1/97	11:35:47	5/28/97 10:15:36	50.20	3,175.36	0.03	**PASS**
DIESEL #1	1	6/ 1/97	13:47:45	5/28/97 10:15:36	49.54	3,122.40	-0.02	**PASS**
DIESEL #1	1	6/ 1/97	16:19:14	5/28/97 10:15:36	49.54	3,122.38	0.00	**PASS**
DIESEL #1	1	6/ 1/97	18:41:39	5/28/97 10:15:36	49.54	3,122.41	-0.00	**PASS**
DIESEL #1	1	6/ 1/97	21:00:25	5/28/97 10:15:36	49.54	3,122.27	0.00	**PASS**
DIESEL #1	1	6/ 1/97	23:12:55	5/28/97 10:15:36	49.54	3,122.30	0.00	**PASS**
DIESEL #1	1	6/ 2/97	01:33:32	5/28/97 10:15:36	49.54	3,122.34	0.00	**PASS**
DIESEL #1	1	6/ 2/97	03:59:31	5/28/97 10:15:36	49.15	3,091.52	-0.00	**PASS**
DIESEL #1	1	6/ 2/97	06:31:40	5/28/97 10:15:36	47.94	2,995.35	-0.00	**PASS**
DIESEL #1	1	6/ 2/97	09:28:29	5/28/97 10:15:36	46.91	2,913.45	0.01	**PASS**
DIESEL #1	1	6/ 2/97	12:36:16	5/28/97 10:15:36	44.72	2,739.21	-0.00	**PASS**
DIESEL #1	1	6/ 2/97	16:00:31	5/28/97 10:15:36	44.72	2,739.24	-0.02	**PASS**
DIESEL #1	1	6/ 2/97	18:18:25	5/28/97 10:15:36	44.50	2,721.44	-0.01	**PASS**
DIESEL #1	1	6/ 2/97	20:39:37	5/28/97 10:15:36	44.50	2,721.57	-0.00	**PASS**
DIESEL #1	1	6/ 2/97	22:56:00	5/28/97 10:15:36	44.62	2,731.10	0.00	**PASS**
DIESEL #1	1	6/ 3/97	01:06:17	5/28/97 10:15:36	44.50	2,721.60	0.00	**PASS**
DIESEL #1	1	6/ 3/97	03:18:23	5/28/97 10:15:36	43.70	2,658.22	0.01	**PASS**
DIESEL #1	1	6/ 3/97	05:49:25	5/28/97 10:15:36	43.19	2,617.74	0.00	**PASS**
DIESEL #1	1	6/ 3/97	08:30:00	5/28/97 10:15:36	42.73	2,581.58	0.01	**PASS**
DIESEL #1	1	6/ 3/97	10:55:01	5/28/97 10:15:36	41.52	2,485.70	-0.00	**PASS**
DIESEL #1	1	6/ 3/97	14:04:53	5/28/97 10:15:36	41.02	2,446.64	0.00	**PASS**
DIESEL #1	1	6/ 3/97	16:53:35	5/28/97 10:15:36	41.02	2,446.67	-0.01	**PASS**
DIESEL #1	1	6/ 3/97	19:11:10	5/28/97 10:15:36	41.02	2,446.68	0.00	**PASS**
DIESEL #1	1	6/ 3/97	21:20:11	5/28/97 10:15:36	41.02	2,446.68	0.00	**PASS**
DIESEL #1	1	6/ 3/97	23:31:37	5/28/97 10:15:36	41.02	2,446.66	-0.00	**PASS**
DIESEL #1	1	6/ 4/97	01:54:28	5/28/97 10:15:36	41.02	2,446.66	-0.01	**PASS**
DIESEL #1	1	6/ 4/97	04:05:18	5/28/97 10:15:36	39.96	2,363.06	0.03	**PASS**
DIESEL #1	1	6/ 5/97	06:51:22	5/28/97 10:15:36	59.07	3,872.80	-0.01	**PASS**
DIESEL #1	1	6/ 5/97	17:28:27	5/28/97 10:15:36	58.92	3,861.39	0.02	**PASS**
DIESEL #1	1	6/ 5/97	19:46:02	5/28/97 10:15:36	58.92	3,861.51	0.01	**PASS**
DIESEL #1	1	6/ 5/97	22:05:36	5/28/97 10:15:36	58.98	3,866.42	0.03	**PASS**
DIESEL #1	1	6/ 6/97	00:16:16	5/28/97 10:15:36	58.86	3,856.91	0.04	**PASS**
DIESEL #1	1	6/ 6/97	02:34:02	5/28/97 10:15:36	58.86	3,857.02	0.03	**PASS**
DIESEL #1	1	6/ 6/97	04:54:58	5/28/97 10:15:36	57.06	3,716.88	0.04	**PASS**
DIESEL #1	1	6/ 6/97	08:01:20	5/28/97 10:15:36	55.90	3,625.74	0.02	**PASS**
DIESEL #1	1	6/ 6/97	10:53:55	5/28/97 10:15:36	55.15	3,567.04	0.03	**PASS**
DIESEL #1	1	6/ 6/97	14:00:51	5/28/97 10:15:36	55.18	3,569.37	-0.03	**PASS**
DIESEL #1	1	6/ 6/97	16:14:38	5/28/97 10:15:36	54.57	3,521.52	-0.01	**PASS**
DIESEL #1	1	6/ 6/97	18:45:19	5/28/97 10:15:36	54.58	3,521.62	-0.02	**PASS**
DIESEL #1	1	6/ 6/97	21:00:03	5/28/97 10:15:36	54.58	3,521.69	-0.00	**PASS**
DIESEL #1	1	6/ 6/97	23:08:57	5/28/97 10:15:36	54.58	3,521.75	-0.01	**PASS**
DIESEL #1	1	6/ 7/97	01:24:51	5/28/97 10:15:36	54.47	3,513.16	0.01	**PASS**
DIESEL #1	1	6/ 7/97	03:41:01	5/28/97 10:15:36	54.47	3,513.28	0.01	**PASS**
DIESEL #1	1	6/ 7/97	05:58:08	5/28/97 10:15:36	54.42	3,509.41	0.02	**PASS**
DIESEL #1	1	6/ 7/97	08:15:37	5/28/97 10:15:36	54.42	3,509.33	0.02	**PASS**
DIESEL #1	1	6/ 7/97	10:30:46	5/28/97 10:15:36	54.30	3,500.17	0.01	**PASS**
DIESEL #1	1	6/ 7/97	12:53:32	5/28/97 10:15:36	54.31	3,500.36	-0.03	**PASS**
DIESEL #1	1	6/ 7/97	15:02:11	5/28/97 10:15:36	54.10	3,484.22	-0.02	**PASS**
DIESEL #1	1	6/ 7/97	17:26:13	5/28/97 10:15:36	53.54	3,439.82	0.01	**PASS**
DIESEL #1	1	6/ 7/97	19:44:02	5/28/97 10:15:36	53.54	3,439.90	0.01	**PASS**
DIESEL #1	1	6/ 7/97	21:56:33	5/28/97 10:15:36	53.54	3,439.95	0.02	**PASS**

Tank Leak Detection Report

June 30, 1997

MAINSIDE 11:15:50 AM MonthToDate

Units in F gal All Results Leak Threshold: 0.20

FUELNAME	TANK	DATE	TIME	DELIVERY	HEIGHT	VOLUME	LK_RATE	RESULT
DIESEL #1	1	6/ 8/97	00:17:43	5/28/97 10:15:36	53.54	3,440.04	0 01	**PASS**
DIESEL #1	1	6/ 8/97	02:32:03	5/28/97 10:15:36	53.54	3,440.06	0.02	**PASS**
DIESEL #1	1	6/ 8/97	04:37:39	5/28/97 10:15:36	53.54	3,439.98	0.06	**PASS**
DIESEL #1	1	6/ 8/97	06:51:35	5/28/97 10:15:36	53 09	3,404.11	0.09	**PASS**
DIESEL #1	1	6/ 8/97	09:39:15	5/28/97 10.15:36	53.09	3,403.98	0 10	**PASS**
DIESEL #1	1	6/ 8/97	11:57:47	5/28/97 10:15:36	52.96	3,393 93	0.03	**PASS**
DIESEL #1	1	6/ 8/97	14:17:40	5/28/97 10:15:36	52.96	3,394.14	-0.05	**PASS**
DIESEL #1	1	6/ 8/97	16:37:37	5/28/97 10:15:36	52.96	3,394.35	-0.08	**PASS**
DIESEL #1	1	6/ 8/97	18:51:38	5/28/97 10:15:36	52.97	3,394.47	-0.01	**PASS**
DIESEL #1	1	6/ 8/97	21:11:30	5/28/97 10:15:36	52.97	3,394.53	0.00	**PASS**
DIESEL #1	1	6/ 8/97	23:35:28	5/28/97 10:15:36	52.97	3,394.57	-0.00	**PASS**
DIESEL #1	1	6/ 9/97	01:49:30	5/28/97 10:15:36	52.97	3,394.61	0.01	**PASS**
DIESEL #1	1	6/ 9/97	04:19:39	5/28/97 10:15:36	52.81	3,381.84	0.02	**PASS**
DIESEL #1	1	6/ 9/97	06:56:49	5/28/97 10:15:36	49.36	3,108.20	0.14	FAIL
DIESEL #1	1	6/ 9/97	10:46:30	5/28/97 10:15:36	48.24	3,019.13	0.00	**PASS**
DIESEL #1	1	6/ 9/97	13:48:41	5/28/97 10:15:36	48.24	3,019.25	-0.06	**PASS**
DIESEL #1	1	6/ 9/97	16:07:15	5/28/97 10:15:36	47.96	2,996.96	-0.07	**PASS**
DIESEL #1	1	6/ 9/97	18:30:59	5/28/97 10:15:36	47.96	2,997.03	-0.02	**PASS**
DIESEL #1	1	6/ 9/97	20:59:01	5/28/97 10:15:36	47.96	2,997.05	-0.00	**PASS**
DIESEL #1	1	6/ 9/97	23:39:17	5/28/97 10:15:36	47.96	2,997.07	-0.00	**PASS**
DIESEL #1	1	6/10/97	02:01:34	5/28/97 10:15:36	47.96	2,997.09	0.00	**PASS**
DIESEL #1	1	6/10/97	04:30:46	5/28/97 10:15:36	46.62	2,890.46	-0.02	**PASS**
DIESEL #1	1	6/10/97	18:32:13	6/10/97 09:31:20	71.75	4,809.59	-0.02	**PASS**
DIESEL #1	1	6/10/97	21:11:44	6/10/97 09:31:20	71.81	4,814.14	-0.01	**PASS**
DIESEL #1	1	6/10/97	23:23:24	6/10/97 09:31:20	71.78	4,812.11	-0.00	**PASS**
DIESEL #1	1	6/11/97	01:39:50	6/10/97 09:31:20	71.75	4,809.74	0.00	**PASS**
DIESEL #1	1	6/11/97	03:55:30	6/10/97 09:31:20	70.56	4,727.02	0.01	**PASS**
DIESEL #1	1	6/11/97	07:09:30	6/10/97 09:31:20	69.08	4,621.93	0.10	**PASS**
DIESEL #1	1	6/11/97	09:54:34	6/10/97 09:31:20	67.94	4,539.70	0.00	**PASS**
DIESEL #1	1	6/11/97	13:14:46	6/10/97 09:31:20	67.36	4,497.54	-0 01	**PASS**
DIESEL #1	1	6/11/97	15:59:33	6/10/97 09:31:20	67.15	4,482.20	-0.01	**PASS**
DIESEL #1	1	6/11/97	18:31:58	6/10/97 09:31:20	67.15	4,482.26	-0.01	**PASS**
DIESEL #1	1	6/11/97	20:51:32	6/10/97 09:31:20	67.15	4,482.31	0.00	**PASS**
DIESEL #1	1	6/11/97	23:14:43	6/10/97 09:31:20	67.15	4,482.35	0.01	**PASS**
DIESEL #1	1	6/12/97	01:26:01	6/10/97 09:31:20	67.15	4,482.38	0.01	**PASS**
DIESEL #1	1	6/12/97	03:51:56	6/10/97 09:31:20	65.67	4,373.72	0.04	**PASS**
DIESEL #1	1	6/12/97	07:09:14	6/10/97 09:31:20	65.39	4,352.60	0.06	**PASS**
DIESEL #1	1	6/12/97	09:50:19	6/10/97 09:31:20	64.68	4,300.00	-0 01	**PASS**
DIESEL #1	1	6/12/97	12:38:56	6/10/97 09:31:20	60.82	4,007.59	0.00	**PASS**
DIESEL #1	1	6/12/97	16:51:03	6/10/97 09:31:20	60.82	4,007.66	-0.02	**PASS**
DIESEL #1	1	6/12/97	19:16:40	6/10/97 09:31:20	60.82	4,007.67	-0.00	**PASS**
DIESEL #1	1	6/12/97	21:58.27	6/10/97 09:31:20	60.82	4,007.59	0.01	**PASS**
DIESEL #1	1	6/13/97	00:22:27	6/10/97 09:31:20	60.82	4,007.62	0.01	**PASS**
DIESEL #1	1	6/13/97	02:47:59	6/10/97 09:31:20	60.82	4,007.65	0.01	**PASS**
DIESEL #1	1	6/13/97	05:29 38	6/10/97 09:31:20	59.17	3,880.51	-0.01	**PASS**
DIESEL #1	1	6/13/97	08:43:05	6/10/97 09:31:20	58.86	3,856.99	0.08	**PASS**
DIESEL #1	1	6/13/97	11:15.03	6/10/97 09:31:20	57.68	3,765.23	-0.00	**PASS**
DIESEL #1	1	6/13/97	14:31.24	6/10/97 09:31:20	56.92	3,705.86	-0 04	**PASS**
DIESEL #1	1	6/13/97	17:47:33	6/10/97 09:31:20	56.80	3,696.71	-0.03	**PASS**
DIESEL #1	1	6/13/97	20:10:48	6/10/97 09:31:20	56.81	3,696.74	0.00	**PASS**
DIESEL #1	1	6/13/97	22:34:48	6/10/97 09:31.20	56.81	3,696.78	0 00	**PASS**
DIESEL #1	1	6/14/97	01:08 55	6/10/97 09:31:20	56.92	3,706.08	-0.00	**PASS**
DIESEL #1	1	6/14/97	03:34 11	6/10/97 09:31:20	56.92	3,706.11	0.01	**PASS**
DIESEL #1	1	6/14/97	05:56 29	6/10/97 09:31:20	56.54	3,676.20	0 02	**PASS**
DIESEL #1	1	6/14/97	08.53:38	6/10/97 09:31:20	56.54	3,676.19	0 02	**PASS**

Tank Leak Detection Report

June 30, 1997

MAINSIDE 11:15:50 AM MonthToDate

Units in F gal All Results **Leak Threshold: 0.20**

FUELNAME	TANK	DATE	TIME	DELIVERY	HEIGHT	VOLUME	LK_RATE	RESULT
DIESEL #1	1	6/14/97	11:15:28	6/10/97 09:31:20	54.87	3,544.55	0.03	**PASS**
DIESEL #1	1	6/14/97	14:33:21	6/10/97 09:31:20	54.70	3,531.31	-0.00	**PASS**
DIESEL #1	1	6/14/97	17:00:52	6/10/97 09:31:20	54.46	3,512.16	-0.02	**PASS**
DIESEL #1	1	6/14/97	19:30:58	6/10/97 09:31:20	54.46	3,512.21	-0.01	**PASS**
DIESEL #1	1	6/14/97	21:47:40	6/10/97 09:31:20	54.46	3,512.23	-0.00	**PASS**
DIESEL #1	1	6/15/97	00:05:45	6/10/97 09:31:20	54.46	3,512.24	0.00	**PASS**
DIESEL #1	1	6/15/97	02:26:28	6/10/97 09:31:20	54.46	3,512.29	-0.00	**PASS**
DIESEL #1	1	6/15/97	04:54:06	6/10/97 09:31:20	54.46	3,512.18	0.04	**PASS**
DIESEL #1	1	6/15/97	07:17:29	6/10/97 09:31:20	54.45	3,512.01	0.06	**PASS**
DIESEL #1	1	6/15/97	09:50:14	6/10/97 09:31:20	54.45	3,511.90	0.06	**PASS**
DIESEL #1	1	6/15/97	12:13:03	6/10/97 09:31:20	54.33	3,502.39	-0.03	**PASS**
DIESEL #1	1	6/15/97	14:40:54	6/10/97 09:31:20	54.18	3,490.66	-0.06	**PASS**
DIESEL #1	1	6/15/97	17:03:37	6/10/97 09:31:20	54.19	3,490.87	-0.05	**PASS**
DIESEL #1	1	6/15/97	19:36:29	6/10/97 09:31:20	54.19	3,490.93	0.01	**PASS**
DIESEL #1	1	6/15/97	21:52:58	6/10/97 09:31:20	54.19	3,490.97	0.01	**PASS**
DIESEL #1	1	6/16/97	00:07:52	6/10/97 09:31:20	54.19	3,491.00	0.06	**PASS**
DIESEL #1	1	6/16/97	02:22:31	6/10/97 09:31:20	54.19	3,491.05	-0.00	**PASS**
DIESEL #1	1	6/16/97	04:38:25	6/10/97 09:31:20	53.76	3,457.37	0.02	**PASS**
DIESEL #1	1	6/16/97	07:08:10	6/10/97 09:31:20	52.31	3,342.41	0.05	**PASS**
DIESEL #1	1	6/16/97	10:05:44	6/10/97 09:31:20	51.78	3,300.68	0.06	**PASS**
DIESEL #1	1	6/16/97	12:48:07	6/10/97 09:31:20	51.00	3,238.62	-0.00	**PASS**
DIESEL #1	1	6/16/97	15:47:08	6/10/97 09:31:20	51.00	3,238.70	-0.06	**PASS**
DIESEL #1	1	6/16/97	17:59:35	6/10/97 09:31:20	50.83	3,224.73	-0.02	**PASS**
DIESEL #1	1	6/16/97	20:27:08	6/10/97 09:31:20	50.83	3,224.73	0.00	**PASS**
DIESEL #1	1	6/16/97	22:40:20	6/10/97 09:31:20	50.83	3,224.74	-0.00	**PASS**
DIESEL #1	1	6/17/97	00:53:26	6/10/97 09:31:20	50.83	3,224.75	0.01	**PASS**
DIESEL #1	1	6/17/97	03:18:40	6/10/97 09:31:20	50.73	3,216.99	0.02	**PASS**
DIESEL #1	1	6/17/97	05:35:31	6/10/97 09:31:20	50.49	3,198.07	-0.00	**PASS**
DIESEL #1	1	6/17/97	18:39:11	6/17/97 09:38:38	65.75	4,379.49	-0.04	**PASS**
DIESEL #1	1	6/17/97	21:02:11	6/17/97 09:38:38	65.75	4,379.66	-0.04	**PASS**
DIESEL #1	1	6/17/97	23:26:51	6/17/97 09:38:38	65.82	4,384.47	-0.02	**PASS**
DIESEL #1	1	6/18/97	01:54:22	6/17/97 09:38:38	65.52	4,362.43	0.01	**PASS**
DIESEL #1	1	6/18/97	04:58:33	6/17/97 09:38:38	64.95	4,319.97	0.02	**PASS**
DIESEL #1	1	6/18/97	07:44:41	6/17/97 09:38:38	63.99	4,248.81	0.09	**PASS**
DIESEL #1	1	6/18/97	10:47:18	6/17/97 09:38:38	62.31	4,121.99	0.11	FAIL
DIESEL #1	1	6/18/97	13:38:40	6/17/97 09:38:38	61.39	4,051.24	0.00	**PASS**
DIESEL #1	1	6/18/97	16:11:40	6/17/97 09:38:38	61.39	4,051.42	-0.04	**PASS**
DIESEL #1	1	6/18/97	18:16:21	6/17/97 09:38:38	61.39	4,051.46	0.00	**PASS**
DIESEL #1	1	6/18/97	20:31:08	6/17/97 09:38:38	61.39	4,051.46	0.02	**PASS**
DIESEL #1	1	6/18/97	22:46:43	6/17/97 09:38:38	61.39	4,051.48	0.02	**PASS**
DIESEL #1	1	6/19/97	01:09:29	6/17/97 09:38:38	61.39	4,051.51	0.01	**PASS**
DIESEL #1	1	6/19/97	03:26:22	6/17/97 09:38:38	60.30	3,967.91	-0.00	**PASS**
DIESEL #1	1	6/19/97	06:24:17	6/17/97 09:38:38	58.51	3,829.72	0.06	**PASS**
DIESEL #1	1	6/19/97	09:57:27	6/17/97 09:38:38	57.96	3,786.93	0.07	**PASS**
DIESEL #1	1	6/19/97	12:34:59	6/17/97 09:38:38	56.02	3,634.87	0.00	**PASS**
DIESEL #1	1	6/19/97	15:53:17	6/17/97 09:38:38	55.88	3,623.86	-0.06	**PASS**
DIESEL #1	1	6/19/97	18:14:00	6/17/97 09:38:38	55.68	3,608.68	-0.02	**PASS**
DIESEL #1	1	6/19/97	20:29:40	6/17/97 09:38:38	55.57	3,599.64	0.00	**PASS**
DIESEL #1	1	6/19/97	22:38:28	6/17/97 09:38:38	55.59	3,601.84	0.01	**PASS**
DIESEL #1	1	6/20/97	00:49:21	6/17/97 09:38:38	55.59	3,601.84	0.00	**PASS**
DIESEL #1	1	6/20/97	03:06:58	6/17/97 09:38:38	55.35	3,582.70	-0.00	**PASS**
DIESEL #1	1	6/20/97	05:42:43	6/17/97 09:38:38	53.84	3,463.86	0.03	**PASS**
DIESEL #1	1	6/20/97	09:19:04	6/17/97 09:38:38	53.25	3,416.73	0.06	**PASS**
DIESEL #1	1	6/20/97	12:09:55	6/17/97 09:38:38	52.11	3,326.34	-0.01	**PASS**
DIESEL #1	1	6/20/97	15:18:07	6/17/97 09:38:38	51.61	3,287.34	-0.04	**PASS**

Tank Leak Detection Report

June 30, 1997
11:15 50 AM

MAINSIDE

MonthToDate

Units in gal | All Results | Leak Threshold: 0.2

FUELNAME	TANK	DATE	TIME	DELIVERY	HEIGHT	VOLUME	LK_RATE	RESUL.
DIESEL #1	1	6/20/97	17:59:25	6/17/97 09:38:38	51.62	3,287.40	-0.02	**PASS**
DIESEL #1	1	6/20/97	20:25:43	6/17/97 09:38:38	51.11	3,247.40	-0.00	**PASS**
DIESEL #1	1	6/20/97	23:02.00	6/17/97 09:38.38	51.11	3,247.43	-0 00	**PASS**
DIESEL #1	1	6/21/97	01:26:05	6/17/97 09:38:38	51.11	3,247.44	0.00	**PASS**
DIESEL #1	1	6/21/97	04:03:10	6/17/97 09:38:38	51.11	3,247.44	0.02	**PASS**
DIESEL #1	1	6/21/97	06:24:22	6/17/97 09:38:38	50.96	3,235.39	0 04	**PASS**
DIESEL #1	1	6/21/97	08:54:15	6/17/97 09:38:38	50.96	3,235.46	0.06	**PASS**
DIESEL #1	1	6/21/97	11:12:12	6/17/97 09:38:38	50.96	3,235.26	0.04	**PASS**
DIESEL #1	1	6/21/97	13:36:29	6/17/97 09:38:38	50.96	3,235.55	-0.04	**PASS**
DIESEL #1	1	6/21/97	15:53:33	6/17/97 09:38.38	50.96	3,235.70	-0.05	**PASS**
DIESEL #1	1	6/21/97	18:10:55	6/17/97 09:38:38	50.96	3,235.77	-0.02	**PASS**
DIESEL #1	1	6/21/97	20:27:08	6/17/97 09:38:38	50.97	3,235.83	0.00	**PASS**
DIESEL #1	1	6/21/97	22:50:08	6/17/97 09:38:38	50.97	3,235.86	0.00	**PASS**
DIESEL #1	1	6/22/97	01:14:56	6/17/97 09:38:38	50.97	3,235.90	0.00	**PASS**
DIESEL #1	1	6/22/97	03:39:02	6/17/97 09:38:38	50.97	3,235.93	0.01	**PASS**
DIESEL #1	1	6/22/97	06:03:46	6/17/97 09:38:38	50.97	3,235.90	0.04	**PASS**
DIESEL #1	1	6/22/97	08:27.32	6/17/97 09:38:38	50.79	3,221.69	0 05	**PASS**
DIESEL #1	1	6/22/97	11:00:47	6/17/97 09:38:38	50.79	3,221.84	-0.01	**PASS**
DIESEL #1	1	6/22/97	13:45:19	6/17/97 09:38:38	50.79	3,221.96	-0.01	**PASS**
DIESEL #1	1	6/22/97	16:14:53	6/17/97 09:38:38	50.79	3,222.02	-0.01	**PASS**
DIESEL #1	1	6/22/97	18:39:14	6/17/97 09:38:38	50.79	3,222.08	0.00	**PASS**
DIESEL #1	1	6/22/97	20:57:47	6/17/97 09:38:38	50.79	3,222.14	0.00	**PASS**
DIESEL #1	1	6/22/97	23:34:00	6/17/97 09:38:38	50.79	3,222.20	0.00	**PASS**
DIESEL #1	1	6/23/97	01:54:29	6/17/97 09:38:38	50.38	3,189.11	-0.00	**PASS**
DIESEL #1	1	6/23/97	04:46:24	6/17/97 09:38:38	50.05	3,163.05	0.04	**PASS**
DIESEL #1	1	6/23/97	07:39:17	6/17/97 09:38:38	49.35	3,107.39	0.07	**PASS**
DIESEL #1	1	6/23/97	10:16:41	6/17/97 09:38:38	49.24	3,098.28	0.03	**PASS**
DIESEL #1	1	6/23/97	12:56:34	6/17/97 09:38:38	46.75	2,900.69	-0.03	**PASS**
DIESEL #1	1	6/23/97	16:37:24	6/17/97 09:38:38	46.60	2,888.82	-0.05	**PASS**
DIESEL #1	1	6/23/97	19:05:24	6/17/97 09:38:38	46.43	2,875.11	-0.00	**PASS**
DIESEL #1	1	6/23/97	21:33:24	6/17/97 09:38:38	46.43	2,875.21	0.01	**PASS**
DIESEL #1	1	6/23/97	23:58:20	6/17/97 09:38:38	46.43	2,875.13	0.01	**PASS**
DIESEL #1	1	6/24/97	02:23:56	6/17/97 09:38:38	46.43	2,875.15	0.00	**PASS**
DIESEL #1	1	6/24/97	04:54:18	6/17/97 09:38:38	44.92	2,755.43	-0.01	**PASS**
DIESEL #1	1	6/24/97	08:09:27	6/17/97 09:38:38	44.15	2,693.72	0.06	**PASS**
DIESEL #1	1	6/24/97	11:07:32	6/17/97 09:38:38	43.06	2,607.36	0.00	**PASS**
DIESEL #1	1	6/24/97	14:04:17	6/17/97 09:38:38	42.45	2,559.05	-0.08	**PASS**
DIESEL #1	1	6/24/97	16:43:09	6/17/97 09:38:38	42.45	2,559.10	-0.04	**PASS**
DIESEL #1	1	6/24/97	19:12:59	6/17/97 09:38:38	42.33	2,549.57	0.00	**PASS**
DIESEL #1	1	6/24/97	21:48:22	6/17/97 09:38:38	42.44	2,558.49	0.00	**PASS**
DIESEL #1	1	6/25/97	00:17:16	6/17/97 09:38:38	42.44	2,558.48	0.01	**PASS**
DIESEL #1	1	6/25/97	02.41:07	6/17/97 09:38:38	42.44	2,558.56	0.00	**PASS**
DIESEL #1	1	6/25/97	16:50:14	6/25/97 07:49:47	64.09	4,256.13	-0.09	**PASS**
DIESEL #1	1	6/25/97	19:30:08	6/25/97 07:49:47	64.09	4,255.96	-0.05	**PASS**
DIESEL #1	1	6/25/97	22:05:20	6/25/97 07:49:47	64.09	4,256.06	-0.01	**PASS**
DIESEL #1	1	6/26/97	00:30:41	6/25/97 07:49.47	64.09	4,256.00	0.02	**PASS**
DIESEL #1	1	6/26/97	03:05:40	6/25/97 07:49:47	63.81	4.234.98	-0.01	**PASS**
DIESEL #1	1	6/26/97	05:57.11	6/25/97 07:49:47	62.10	4,106.06	0.02	**PASS**
DIESEL #1	1	6/26/97	09:29:52	6/25/97 07:49:47	62.07	4,103.32	0.04	**PASS**
DIESEL #1	1	6/26/97	11:59:40	6/25/97 07:49:47	60.99	4,020.64	0.01	**PASS**
DIESEL #1	1	6/26/97	15:19:23	6/25/97 07:49:47	60.32	3,969.80	0.00	**PASS**
DIESEL #1	1	6/26/97	18:18:58	6/25/97 07:49:47	60.32	3,969.65	0.03	**PASS**
DIESEL #1	1	6/26/97	20:44:50	6/25/97 07:49:47	60.11	3,953.13	0.00	**PASS**
DIESEL #1	1	6/26/97	23.13.01	6/25/97 07:49:47	60.11	3,953.03	0 00	**PASS**
DIESEL #1	1	6/27/97	01:36:15	6/25/97 07:49.47	60.10	3,952.89	0 01	**PASS**

Tank Leak Detection Report

June 30, 1997

MAINSIDE 11:15:50 AM MonthToDate

Units in F gal All Results **Leak Threshold: 0.20**

FUELNAME	TANK	DATE	TIME	DELIVERY	HEIGHT	VOLUME	LK_RATE	RESULT
DIESEL #1	1	6/27/97	03:57:21	6/25/97 07:49:47	59.86	3,934.45	-0.01	**PASS**
DIESEL #1	1	6/27/97	06:34:34	6/25/97 07:49:47	59.43	3,900.96	0.08	**PASS**
DIESEL #1	1	6/27/97	09:41:50	6/25/97 07:49:47	59.04	3,870.52	0.05	**PASS**
DIESEL #1	1	6/27/97	12:35:02	6/25/97 07:49:47	58.61	3,837.51	-0.06	**PASS**
DIESEL #1	1	6/27/97	15:22:16	6/25/97 07:49:47	58.72	3,846.05	-0.09	**PASS**
DIESEL #1	1	6/27/97	17:50:57	6/25/97 07:49:47	58.72	3,846.11	-0.06	**PASS**
DIESEL #1	1	6/27/97	20:08:07	6/25/97 07:49:47	58.72	3,846.09	-0.03	**PASS**
DIESEL #1	1	6/27/97	22:29:04	6/25/97 07:49:47	58.72	3,846.17	-0.03	**PASS**
DIESEL #1	1	6/28/97	00:54:23	6/25/97 07:49:47	58.72	3,846.10	-0.01	**PASS**
DIESEL #1	1	6/28/97	03:11:28	6/25/97 07:49:47	58.72	3,846.13	0.00	**PASS**
DIESEL #1	1	6/28/97	05:27:56	6/25/97 07:49:47	58.44	3,824.00	0.04	**PASS**
DIESEL #1	1	6/28/97	08:07:48	6/25/97 07:49:47	57.68	3,764.79	0.07	**PASS**
DIESEL #1	1	6/28/97	11:00:54	6/25/97 07:49:47	57.68	3,764.73	0.02	**PASS**
DIESEL #1	1	6/28/97	13:21:30	6/25/97 07:49:47	57.68	3,764.72	-0.03	**PASS**
DIESEL #1	1	6/28/97	15:48:59	6/25/97 07:49:47	57.68	3,764.86	-0.08	**PASS**
DIESEL #1	1	6/28/97	18:13:25	6/25/97 07:49:47	57.19	3,727.03	-0.05	**PASS**
DIESEL #1	1	6/28/97	21:02:04	6/25/97 07:49:47	57.19	3,726.93	-0.01	**PASS**
DIESEL #1	1	6/28/97	23:35:21	6/25/97 07:49:47	57.19	3,726.96	-0.01	**PASS**
DIESEL #1	1	6/29/97	02:14:45	6/25/97 07:49:47	57.19	3,726.88	-0.01	**PASS**
DIESEL #1	1	6/29/97	04:46:22	6/25/97 07:49:47	57.19	3,726.83	0.03	**PASS**
DIESEL #1	1	6/29/97	07:09:50	6/25/97 07:49:47	57.19	3,726.64	0.07	**PASS**
DIESEL #1	1	6/29/97	09:34:28	6/25/97 07:49:47	57.19	3,726.56	0.05	**PASS**
DIESEL #1	1	6/29/97	11:56:41	6/25/97 07:49:47	57.19	3,726.56	-0.00	**PASS**
DIESEL #1	1	6/29/97	14:20:59	6/25/97 07:49:47	57.19	3,726.66	-0.04	**PASS**
DIESEL #1	1	6/29/97	16:49:43	6/25/97 07:49:47	57.19	3,726.77	-0.06	**PASS**
DIESEL #1	1	6/29/97	19:05:55	6/25/97 07:49:47	56.48	3,671.19	-0.01	**PASS**
DIESEL #1	1	6/29/97	21:55:33	6/25/97 07:49:47	56.48	3,671.23	0.00	**PASS**
DIESEL #1	1	6/30/97	00:18:00	6/25/97 07:49:47	56.48	3,671.15	-0.00	**PASS**
DIESEL #1	1	6/30/97	02:44:31	6/25/97 07:49:47	56.48	3,671.12	0.01	**PASS**
DIESEL #1	1	6/30/97	05:06:21	6/25/97 07:49:47	55.93	3,628.48	-0.00	**PASS**

Veeder-Root Tank Leak Detection Report

June 30, 1997
11:13:33 AM

THE BASIC SCHOOL

MonthToDate

Units in F gal — All Results — **Leak Threshold: 0.20**

FUELNAME	TANK	DATE	TIME	DELIVERY	HEIGHT	VOLUME	LK_RATE	RESULT
UNLEADED REG	1	6/ 1/97	00:14:08	5/22/97 15:20:06	41.19	2,365.69	0.01	**PASS**
UNLEADED REG	1	6/ 1/97	02:56:10	5/22/97 15:20:06	41.19	2,365.74	0.01	**PASS**
UNLEADED REG	1	6/ 1/97	05:33:00	5/22/97 15:20:06	41.19	2,365.79	0.01	**PASS**
UNLEADED REG	1	6/ 1/97	08:07:06	5/22/97 15:20:06	41.22	2,367.76	0.01	**PASS**
UNLEADED REG	1	6/ 1/97	10:43:06	5/22/97 15:20:06	41.22	2,367.79	0.01	**PASS**
UNLEADED REG	1	6/ 1/97	13:18:05	5/22/97 15:20:06	41.11	2,360.32	-0.00	**PASS**
UNLEADED REG	1	6/ 1/97	16:28:04	5/22/97 15:20:06	41.11	2,360.46	0.01	**PASS**
UNLEADED REG	1	6/ 1/97	19:17:05	5/22/97 15:20:06	41.11	2,360.52	0.00	**PASS**
UNLEADED REG	1	6/ 1/97	22:01:14	5/22/97 15:20:06	41.11	2,360.49	0.01	**PASS**
UNLEADED REG	1	6/ 2/97	00:29:12	5/22/97 15:20:06	41.14	2,362.40	0.01	**PASS**
UNLEADED REG	1	6/ 2/97	03:03:09	5/22/97 15:20:06	40.83	2,340.34	0.02	**PASS**
UNLEADED REG	1	6/ 2/97	06:02:04	5/22/97 15:20:06	40.82	2,340.25	0.02	**PASS**
UNLEADED REG	1	6/ 2/97	08:47:08	5/22/97 15:20:06	40.51	2,318.41	-0.01	**PASS**
UNLEADED REG	1	6/ 2/97	11:31:14	5/22/97 15:20:06	40.00	2,282.01	-0.01	**PASS**
UNLEADED REG	1	6/ 2/97	14:23:08	5/22/97 15:20:06	40.00	2,282.04	0.00	**PASS**
UNLEADED REG	1	6/ 2/97	17:19:06	5/22/97 15:20:06	40.05	2,285.68	-0.00	**PASS**
UNLEADED REG	1	6/ 2/97	20:17:00	5/22/97 15:20:06	40.05	2,285.71	0.00	**PASS**
UNLEADED REG	1	6/ 2/97	23:04:05	5/22/97 15:20:06	40.05	2,285.76	0.01	**PASS**
UNLEADED REG	1	6/ 3/97	02:02:07	5/22/97 15:20:06	40.05	2,285.79	0.00	**PASS**
UNLEADED REG	1	6/ 3/97	04:54:09	5/22/97 15:20:06	37.84	2,130.02	0.01	**PASS**
UNLEADED REG	1	6/ 3/97	17:53:06	5/22/97 15:20:06	36.85	2,060.05	-0.01	**PASS**
UNLEADED REG	1	6/ 4/97	18:00:06	5/22/97 15:20:06	36.55	2,038.83	0.00	**PASS**
UNLEADED REG	1	6/ 5/97	13:51:13	5/22/97 15:20:06	36.03	2,002.23	-0.00	**PASS**
UNLEADED REG	1	6/ 5/97	19:37:10	5/22/97 15:20:06	35.99	1,999.43	-0.02	**PASS**
UNLEADED REG	1	6/ 5/97	23:37:07	5/22/97 15:20:06	35.99	1,999.45	-0.00	**PASS**
UNLEADED REG	1	6/ 6/97	02:41:06	5/22/97 15:20:06	35.72	1,980.49	-0.01	**PASS**
UNLEADED REG	1	6/ 6/97	18:15:04	6/ 6/97 08:14:45	40.54	2,320.44	-0.02	**PASS**
UNLEADED REG	1	6/ 6/97	20:59:08	6/ 6/97 08:14:45	40.54	2,320.59	-0.03	**PASS**
UNLEADED REG	1	6/ 6/97	23:24:13	6/ 6/97 08:14:45	40.55	2,320.77	0.02	**PASS**
UNLEADED REG	1	6/ 7/97	01:40:05	6/ 6/97 08:14:45	40.42	2,311.54	-0.09	**PASS**
UNLEADED REG	1	6/ 7/97	04:12:10	6/ 6/97 08:14:45	40.42	2,311.64	-0.00	**PASS**
UNLEADED REG	1	6/ 7/97	09:58:07	6/ 6/97 08:14:45	40.13	2,291.41	0.01	**PASS**
UNLEADED REG	1	6/ 7/97	12:39:16	6/ 6/97 08:14:45	40.13	2,291.55	0.01	**PASS**
UNLEADED REG	1	6/ 7/97	15:14:10	6/ 6/97 08:14:45	40.13	2,291.71	-0.05	**PASS**
UNLEADED REG	1	6/ 7/97	18:07:14	6/ 6/97 08:14:45	40.13	2,291.80	0.06	**PASS**
UNLEADED REG	1	6/ 7/97	20:53:05	6/ 6/97 08:14:45	40.14	2,291.86	0.02	**PASS**
UNLEADED REG	1	6/ 7/97	23:25:04	6/ 6/97 08:14:45	40.14	2,291.99	0.07	**PASS**
UNLEADED REG	1	6/ 8/97	01:59:07	6/ 6/97 08:14:45	39.79	2,267.66	0.06	**PASS**
UNLEADED REG	1	6/ 8/97	04:54:13	6/ 6/97 08:14:45	39.79	2,267.24	0.03	**PASS**
UNLEADED REG	1	6/ 8/97	07:39:07	6/ 6/97 08:14:45	39.64	2,257.12	0.09	**PASS**
UNLEADED REG	1	6/ 8/97	10:34:07	6/ 6/97 08:14:45	39.64	2,257.19	0.01	**PASS**
UNLEADED REG	1	6/ 8/97	12:57:14	6/ 6/97 08:14:45	39.64	2,257.29	-0.01	**PASS**
UNLEADED REG	1	6/ 8/97	15:27:13	6/ 6/97 08:14:45	39.65	2,257.47	0.04	**PASS**
UNLEADED REG	1	6/ 8/97	18:16:05	6/ 6/97 08:14:45	39.62	2,255.82	-0.00	**PASS**
UNLEADED REG	1	6/ 8/97	21:18:04	6/ 6/97 08:14:45	39.62	2,255.91	-0.01	**PASS**
UNLEADED REG	1	6/ 9/97	00:39:04	6/ 6/97 08:14:45	39.65	2,257.56	0.00	**PASS**
UNLEADED REG	1	6/ 9/97	03:23:09	6/ 6/97 08:14:45	39.62	2,255.79	0.04	**PASS**
UNLEADED REG	1	6/ 9/97	07:31:03	6/ 6/97 08:14:45	39.62	2,255.66	0.01	**PASS**
UNLEADED REG	1	6/ 9/97	09:49:06	6/ 6/97 08:14:45	39.67	2,259.35	0.01	**PASS**
UNLEADED REG	1	6/ 9/97	12:01:09	6/ 6/97 08:14:45	39.67	2,259.43	0.02	**PASS**
UNLEADED REG	1	6/ 9/97	14:17:11	6/ 6/97 08:14:45	39.68	2,259.52	-0.02	**PASS**
UNLEADED REG	1	6/ 9/97	16:34:15	6/ 6/97 08:14:45	39.68	2,259.60	-0.01	**PASS**
UNLEADED REG	1	6/ 9/97	19:10:04	6/ 6/97 08:14:45	39.68	2,259.65	-0.03	**PASS**
UNLEADED REG	1	6/ 9/97	21:31:09	6/ 6/97 08:14:45	39.68	2,259.68	0.01	**PASS**
UNLEADED REG	1	6/10/97	00:02:03	6/ 6/97 08:14:45	39.68	2,259.72	0.00	**PASS**

Tank Leak Detection Report

THE BASIC SCHOOL

June 30, 1997
11:13.33 AM

MonthToDate

Units in Gal — All Results — **Leak Threshold: 0.20**

FUELNAME	TANK	DATE	TIME	DELIVERY	HEIGHT	VOLUME	LK_RATE	RESULT
UNLEADED REG	1	6/10/97	02:25:01	6/ 6/97 08:14:45	39.65	2,258.09	0 01	**PASS**
UNLEADED REG	1	6/10/97	05:04.03	6/ 6/97 08:14:45	39.65	2,258.04	-0 02	**PASS**
UNLEADED REG	1	6/10/97	07:38:14	6/ 6/97 08:14:45	39.65	2,257.93	0.05	**PASS**
UNLEADED REG	1	6/10/97	09:59 04	6/ 6/97 08:14:45	39.65	2,258.00	-0 01	**PASS**
UNLEADED REG	1	6/10/97	12:25:12	6/ 6/97 08:14:45	39.65	2,258.01	-0.02	**PASS**
UNLEADED REG	1	6/10/97	14:50:03	6/ 6/97 08:14:45	39.66	2,258.11	-0.02	**PASS**
UNLEADED REG	1	6/10/97	17:09:04	6/ 6/97 08:14:45	39.66	2,258.21	-0.03	**PASS**
UNLEADED REG	1	6/10/97	19:40:10	6/ 6/97 08:14:45	39.66	2,258.24	-0.01	**PASS**
UNLEADED REG	1	6/10/97	22:13:06	6/ 6/97 08:14:45	39.66	2,258.28	-0.01	**PASS**
UNLEADED REG	1	6/11/97	00:56:04	6/ 6/97 08:14:45	39.66	2,258.31	0.00	**PASS**
UNLEADED REG	1	6/11/97	03:35:10	6/ 6/97 08:14:45	39.66	2,258.32	0.01	**PASS**
UNLEADED REG	1	6/11/97	19:29:10	6/11/97 09:28:29	51.51	3,061.87	0.01	**PASS**
UNLEADED REG	1	6/11/97	21:58:00	6/11/97 09:28:29	51.51	3,061.89	-0.00	**PASS**
UNLEADED REG	1	6/12/97	00:22:05	6/11/97 09:28:29	51.51	3,061.96	0.01	**PASS**
UNLEADED REG	1	6/12/97	02:56:14	6/11/97 09:28:29	51.51	3,062.01	0.01	**PASS**
UNLEADED REG	1	6/12/97	05:19:00	6/11/97 09:28:29	51.51	3,061.98	0.02	**PASS**
UNLEADED REG	1	6/12/97	07:40.02	6/11/97 09:28:29	51.45	3,058.05	-0.01	**PASS**
UNLEADED REG	1	6/12/97	10:06:11	6/11/97 09:28:29	51.31	3,049.29	-0.03	**PASS**
UNLEADED REG	1	6/12/97	13:17:12	6/11/97 09:28:29	50.99	3,029.11	0.01	**PASS**
UNLEADED REG	1	6/12/97	16:11:06	6/11/97 09.28:29	50.83	3,018.58	0.02	**PASS**
UNLEADED REG	1	6/12/97	18:48:02	6/11/97 09:28:29	50.83	3,018.60	0.01	**PASS**
UNLEADED REG	1	6/12/97	21:21:02	6/11/97 09:28:29	50.83	3,018.62	0.01	**PASS**
UNLEADED REG	1	6/12/97	23:43:11	6/11/97 09:28:29	50.83	3,018.65	0.01	**PASS**
UNLEADED REG	1	6/13/97	01:56:05	6/11/97 09:28:29	50.68	3,008.96	0.01	**PASS**
UNLEADED REG	1	6/13/97	04:57:11	6/11/97 09:28:29	50.68	3,008.96	0.00	**PASS**
UNLEADED REG	1	6/13/97	07:37:13	6/11/97 09:28:29	50.68	3,008.95	-0.01	**PASS**
UNLEADED REG	1	6/13/97	10:09:00	6/11/97 09:28:29	50.15	2,974.44	-0.01	**PASS**
UNLEADED REG	1	6/13/97	12:57:11	6/11/97 09:28:29	50.17	2,975.93	-0.03	**PASS**
UNLEADED REG	1	6/13/97	15:27:03	6/11/97 09:28:29	50.16	2,974.95	0.02	**PASS**
UNLEADED REG	1	6/13/97	18:07:12	6/11/97 09:28:29	50.16	2,974.96	0.01	**PASS**
UNLEADED REG	1	6/13/97	20:32:10	6/11/97 09:28:29	50.16	2,974.99	0.01	**PASS**
UNLEADED REG	1	6/13/97	23:08:08	6/11/97 09:28:29	50.16	2,975.02	0.02	**PASS**
UNLEADED REG	1	6/14/97	01:33:05	6/11/97 09:28:29	50.16	2,975.05	0.01	**PASS**
UNLEADED REG	1	6/14/97	04:03:00	6/11/97 09:28:29	50.16	2,975.07	0.00	**PASS**
UNLEADED REG	1	6/14/97	06:19:08	6/11/97 09:28:29	50.16	2,975.12	-0.00	**PASS**
UNLEADED REG	1	6/14/97	09:04:00	6/11/97 09:28:29	50.16	2,975.13	0.01	**PASS**
UNLEADED REG	1	6/14/97	11:25:00	6/11/97 09:28:29	50.16	2,975.18	0.01	**PASS**
UNLEADED REG	1	6/14/97	14:05:01	6/11/97 09:28:29	50.14	2,973.73	0.01	**PASS**
UNLEADED REG	1	6/14/97	16:30:01	6/11/97 09:28:29	50.14	2,973.76	0.01	**PASS**
UNLEADED REG	1	6/14/97	18:52:08	6/11/97 09:28:29	50.14	2,973.78	0.01	**PASS**
UNLEADED REG	1	6/14/97	21:53:13	6/11/97 09:28:29	50.14	2,973.84	0.01	**PASS**
UNLEADED REG	1	6/15/97	00:26:03	6/11/97 09:28:29	50.14	2,973.87	0.01	**PASS**
UNLEADED REG	1	6/15/97	02:51:06	6/11/97 09:28:29	50.14	2,973.91	0.01	**PASS**
UNLEADED REG	1	6/15/97	05:33:10	6/11/97 09:28:29	50.14	2,974.03	0.00	**PASS**
UNLEADED REG	1	6/15/97	07:58:08	6/11/97 09:28:29	50.14	2,974.10	-0.02	**PASS**
UNLEADED REG	1	6/15/97	10:19.01	6/11/97 09:28:29	50.15	2,974.18	-0.01	**PASS**
UNLEADED REG	1	6/15/97	12:46.14	6/11/97 09:28:29	50.15	2,974.22	0.01	**PASS**
UNLEADED REG	1	6/15/97	15:10:00	6/11/97 09:28:29	50.15	2,974.22	0.03	**PASS**
UNLEADED REG	1	6/15/97	17:43:11	6/11/97 09:28:29	50.14	2,974.14	0.02	**PASS**
UNLEADED REG	1	6/15/97	20:05:03	6/11/97 09:28:29	50.14	2,974.15	0.01	**PASS**
UNLEADED REG	1	6/15/97	22:44:09	6/11/97 09.28:29	50.15	2,974.20	0.01	**PASS**
UNLEADED REG	1	6/16/97	01:03:04	6/11/97 09.28:29	50.15	2,974.22	0.00	**PASS**
UNLEADED REG	1	6/16/97	03:28 18	6/11/97 09:28:29	50.15	2,974 21	0 00	**PASS**
UNLEADED REG	1	6/16/97	05 54:04	6/11/97 09:28:29	50.14	2,974.09	0 01	**PASS**
UNLEADED REG	1	6/16/97	08.22:08	6/11/97 09:28:29	50.14	2,974.17	-0.03	**PASS**

Tank Leak Detection Report

June 30, 1997
11:13:33 AM

THE BASIC SCHOOL

MonthToDate

Units in Gal | All Results | **Leak Threshold: 0.20**

FUELNAME	TANK	DATE	TIME	DELIVERY	HEIGHT	VOLUME	LK_RATE	RESULT
UNLEADED REG	1	6/16/97	10:45:14	6/11/97 09:28:29	50.15	2,974.21	-0.01	**PASS**
UNLEADED REG	1	6/16/97	13:04:07	6/11/97 09:28:29	50.15	2,974.28	0.01	**PASS**
UNLEADED REG	1	6/16/97	15:21:14	6/11/97 09:28:29	50.15	2,974.25	0.02	**PASS**
UNLEADED REG	1	6/16/97	17:42:04	6/11/97 09:28:29	50.15	2,974.27	0.01	**PASS**
UNLEADED REG	1	6/16/97	20:07:12	6/11/97 09:28:29	50.15	2,974.58	0.02	**PASS**
UNLE DED REG	1	6/16/97	22:48:01	6/11/97 09:28:29	48.21	2,847.10	0.01	**PASS**
UNLEADED REG	1	6/17/97	05:12:13	6/11/97 09:28:29	50.10	2,971.11	-0.00	**PASS**
UNLEADED REG	1	6/17/97	09:35:15	6/11/97 09:28:29	50.10	2,971.22	-0.03	**PASS**
UNLEADED REG	1	6/17/97	11:46:02	6/11/97 09:28:29	50.10	2,971.17	-0.00	**PASS**
UNLEADED REG	1	6/17/97	14:09:08	6/11/97 09:28:29	50.10	2,971.17	0.02	**PASS**
UNLEADED REG	1	6/17/97	16:39:09	6/11/97 09:28:29	50.10	2,971.26	0.01	**PASS**
UNLEADED REG	1	6/17/97	19:00:02	6/11/97 09:28:29	50.10	2,971.28	0.01	**PASS**
UNLEADED REG	1	6/17/97	21:36:11	6/11/97 09:28:29	50.10	2,971.32	0.00	**PASS**
UNLEADED REG	1	6/18/97	00:02:08	6/11/97 09:28:29	50.10	2,971.49	0.01	**PASS**
UNLEADED REG	1	6/18/97	02:41:05	6/11/97 09:28:29	50.10	2,971.53	-0.02	**PASS**
UNLEADED REG	1	6/18/97	05:18:00	6/11/97 09:28:29	49.46	2,929.70	0.01	**PASS**
UNLEADED REG	1	6/18/97	09:14:18	6/11/97 09:28:29	48.50	2,866.40	0.00	**PASS**
UNLEADED REG	1	6/18/97	13:51:12	6/11/97 09:28:29	47.58	2,804.62	-0.04	**PASS**
UNLEADED REG	1	6/18/97	21:36:14	6/11/97 09:28:29	47.58	2,804.65	-0.05	**PASS**
UNLEADED REG	1	6/19/97	00:17:00	6/11/97 09:28:29	47.53	2,801.46	0.01	**PASS**
UNLEADED REG	1	6/19/97	04:58:10	6/11/97 09:28:29	46.47	2,729.82	-0.05	**PASS**
UNLEADED REG	1	6/19/97	08:46:04	6/11/97 09:28:29	46.47	2,729.99	-0.00	**PASS**
UNLEADED REG	1	6/19/97	12:34:11	6/11/97 09:28:29	45.78	2,683.07	-0.07	**PASS**
UNLEADED REG	1	6/19/97	15:33:00	6/11/97 09:28:29	45.78	2,683.10	0.03	**PASS**
UNLEADED REG	1	6/19/97	17:49:05	6/11/97 09:28:29	45.78	2,683.14	0.05	**PASS**
UNLEADED REG	1	6/19/97	20:10:08	6/11/97 09:28:29	45.78	2,683.15	-0.01	**PASS**
UNLEADED REG	1	6/19/97	23:04:01	6/11/97 09:28:29	45.78	2,683.17	-0.04	**PASS**
UNLEADED REG	1	6/20/97	01:38:03	6/11/97 09:28:29	45.78	2,683.19	0.00	**PASS**
UNLEADED REG	1	6/20/97	03:54:11	6/11/97 09:28:29	45.78	2,683.19	-0.00	**PASS**
UNLEADED REG	1	6/20/97	06:26:13	6/11/97 09:28:29	45.78	2,683.27	-0.07	**PASS**
UNLEADED REG	1	6/20/97	09:39:09	6/11/97 09:28:29	45.78	2,683.34	-0.01	**PASS**
UNLEADED REG	1	6/20/97	12:20:01	6/11/97 09:28:29	45.64	2,673.66	-0.02	**PASS**
UNLEADED REG	1	6/20/97	14:45:05	6/11/97 09:28:29	45.64	2,673.68	0.06	**PASS**
UNLEADED REG	1	6/20/97	17:29:11	6/11/97 09:28:29	45.64	2,673.68	0.05	**PASS**
UNLEADED REG	1	6/20/97	20:10:11	6/11/97 09:28:29	45.64	2,673.71	-0.01	**PASS**
UNLEADED REG	1	6/20/97	22:47:06	6/11/97 09:28:29	45.64	2,673.76	0.02	**PASS**
UNLEADED REG	1	6/21/97	01:54:07	6/11/97 09:28:29	45.64	2,673.79	-0.04	**PASS**
UNLEADED REG	1	6/21/97	04:32:11	6/11/97 09:28:29	45.64	2,673.84	-0.00	**PASS**
UNLEADED REG	1	6/21/97	07:46:07	6/11/97 09:28:29	45.64	2,673.99	0.00	**PASS**
UNLEADED REG	1	6/21/97	10:31:02	6/11/97 09:28:29	45.65	2,674.06	-0.09	**PASS**
UNLEADED REG	1	6/21/97	13:13:13	6/11/97 09:28:29	45.65	2,674.12	-0.01	**PASS**
UNLEADED REG	1	6/21/97	15:47:10	6/11/97 09:28:29	45.65	2,674.13	-0.03	**PASS**
UNLEADED REG	1	6/21/97	18:16:05	6/11/97 09:28:29	45.65	2,674.10	0.01	**PASS**
UNLEADED REG	1	6/21/97	21:49:04	6/11/97 09:28:29	45.65	2,674.17	0.01	**PASS**
UNLEADED REG	1	6/22/97	00:44:02	6/11/97 09:28:29	45.65	2,674.20	0.01	**PASS**
UNLEADED REG	1	6/22/97	03:41:13	6/11/97 09:28:29	45.65	2,674.29	0.02	**PASS**
UNLEADED REG	1	6/22/97	06:29:01	6/11/97 09:28:29	45.65	2,674.43	0.01	**PASS**
UNLEADED REG	1	6/22/97	09:17:08	6/11/97 09:28:29	45.65	2,674.54	-0.00	**PASS**
UNLEADED REG	1	6/22/97	12:06:08	6/11/97 09:28:29	45.65	2,674.58	-0.01	**PASS**
UNLEADED REG	1	6/22/97	15:03:01	6/11/97 09:28:29	45.65	2,674.62	0.01	**PASS**
UNLEADED REG	1	6/22/97	17:21:08	6/11/97 09:28:29	45.65	2,674.67	0.01	**PASS**
UNLEADED REG	1	6/22/97	19:55:10	6/11/97 09:28:29	45.66	2,674.72	0.02	**PASS**
UNLEADED REG	1	6/22/97	22:15:03	6/11/97 09:28:29	45.66	2,674.79	0.04	**PASS**
UNLEADED REG	1	6/23/97	00:51:05	6/11/97 09:28:29	45.66	2,674.79	0.08	**PASS**
UNLEADED REG	1	6/23/97	03:20:08	6/11/97 09:28:29	45.66	2,674.86	-0.03	**PASS**

Tank Leak Detection Report

June 30, 1997
11:13:33 AM

THE BASIC SCHOOL

MonthToDate

Units in Gal — All Results — **Leak Threshold: 0.20**

FUELNAME	TANK	DATE	TIME	DELIVERY	HEIGHT	VOLUME	LK_RATE	RESULT
UNLEADED REG	1	6/23/97	06:17:13	6/11/97 09:28:29	45.66	2,675.05	-0.04	**PASS**
UNLEADED REG	1	6/23/97	09:19:14	6/11/97 09:28:29	45.66	2,675.08	0.02	**PASS**
UNLEADED REG	1	6/23/97	11:38:12	6/11/97 09:28:29	45.64	2,673.42	-0.08	**PASS**
UNLEADED REG	1	6/23/97	18:23:12	6/11/97 09:28:29	45.64	2,673.51	0.03	**PASS**
UNLEADED REG	1	6/23/97	20:50:05	6/11/97 09:28:29	45.64	2,673.64	0.02	**PASS**
UNLEADED REG	1	6/24/97	00:29:14	6/11/97 09:28:29	45.64	2,673.71	-0.01	**PASS**
UNLEADED REG	1	6/24/97	02:54:02	6/11/97 09:28:29	45.64	2,673.79	0.00	**PASS**
UNLEADED REG	1	6/24/97	05:40:00	6/11/97 09:28:29	45.64	2,673.87	0.01	**PASS**
UNLEADED REG	1	6/24/97	08:06:08	6/11/97 09:28:29	45.64	2,673.86	-0.01	**PASS**
UNLEADED REG	1	6/24/97	10:24:13	6/11/97 09:28:29	45.62	2,672.40	-0.01	**PASS**
UNLEADED REG	1	6/24/97	13:07:07	6/11/97 09:28:29	45.62	2,672.47	-0.01	**PASS**
UNLEADED REG	1	6/24/97	15:58:09	6/11/97 09:28:29	45.62	2,672.50	0.03	**PASS**
UNLEADED REG	1	6/24/97	18:34:13	6/11/97 09:28:29	45.62	2,672.54	0.02	**PASS**
UNLEADED REG	1	6/24/97	20:55:14	6/11/97 09:28:29	45.65	2,674.18	0.02	**PASS**
UNLEADED REG	1	6/24/97	23:17:00	6/11/97 09:28:29	45.65	2,674.23	-0.01	**PASS**
UNLEADED REG	1	6/25/97	01:41:09	6/11/97 09:28:29	45.68	2,676.06	0.07	**PASS**
UNLEADED REG	1	6/25/97	04:01:08	6/11/97 09:28:29	45.68	2,676.13	0.01	**PASS**
UNLEADED REG	1	6/25/97	06:25:00	6/11/97 09:28:29	45.68	2,676.20	0.01	**PASS**
UNLEADED REG	1	6/25/97	20:16:10	6/25/97 10:15:25	54.76	3,264.12	0.02	**PASS**
UNLEADED REG	1	6/25/97	22:34:02	6/25/97 10:15:25	54.78	3,265.52	0.01	**PASS**
UNLEADED REG	1	6/26/97	00:53:11	6/25/97 10:15:25	54.78	3,265.50	-0.01	**PASS**
UNLEADED REG	1	6/26/97	03:15:01	6/25/97 10:15:25	54.78	3,265.48	0.01	**PASS**
UNLEADED REG	1	6/26/97	05:56:13	6/25/97 10:15:25	54.78	3,265.53	0.02	**PASS**
UNLEADED REG	1	6/26/97	08:32:07	6/25/97 10:15:25	54.78	3,265.61	0.01	**PASS**
UNLEADED REG	1	6/26/97	10:54:06	6/25/97 10:15:25	54.78	3,265.64	-0.01	**PASS**
UNLEADED REG	1	6/26/97	13:19:13	6/25/97 10:15:25	54.78	3,265.57	0.06	**PASS**
UNLEADED REG	1	6/26/97	16:05:05	6/25/97 10:15:25	54.78	3,265.61	0.01	**PASS**
UNLEADED REG	1	6/26/97	18:31:02	6/25/97 10:15:25	54.78	3,265.61	0.01	**PASS**
UNLEADED REG	1	6/26/97	20:59:14	6/25/97 10:15:25	54.78	3,265.64	0.01	**PASS**
UNLEADED REG	1	6/26/97	23:42:00	6/25/97 10:15:25	54.78	3,265.66	0.01	**PASS**
UNLEADED REG	1	6/27/97	02:03:14	6/25/97 10:15:25	54.76	3,264.29	0.00	**PASS**
UNLEADED REG	1	6/27/97	04:45:14	6/25/97 10:15:25	54.76	3,264.34	-0.00	**PASS**
UNLEADED REG	1	6/27/97	07:15:06	6/25/97 10:15:25	54.76	3,264.38	0.00	**PASS**
UNLEADED REG	1	6/27/97	09:48:09	6/25/97 10:15:25	54.77	3,264.55	-0.03	**PASS**
UNLEADED REG	1	6/27/97	12:27:04	6/25/97 10:15:25	54.74	3,263.17	0.02	**PASS**
UNLEADED REG	1	6/27/97	14:37:01	6/25/97 10:15:25	54.81	3,267.25	0.03	**PASS**
UNLEADED REG	1	6/27/97	17:11:13	6/25/97 10:15:25	54.77	3,264.60	-0.05	**PASS**
UNLEADED REG	1	6/27/97	19:39:06	6/25/97 10:15:25	54.74	3,263.20	0.02	**PASS**
UNLEADED REG	1	6/27/97	22:11:04	6/25/97 10:15:25	54.77	3,264.65	0.01	**PASS**
UNLEADED REG	1	6/28/97	00:46:00	6/25/97 10:15:25	54.77	3,264.68	0.00	**PASS**
UNLEADED REG	1	6/28/97	03:22:05	6/25/97 10:15:25	54.77	3,264.72	0.01	**PASS**
UNLEADED REG	1	6/28/97	05:49:13	6/25/97 10:15:25	54.75	3,263.38	-0.01	**PASS**
UNLEADED REG	1	6/28/97	08:02:11	6/25/97 10:15:25	54.75	3,263.48	-0.03	**PASS**
UNLEADED REG	1	6/28/97	10:20:01	6/25/97 10:15:25	54.75	3,263.57	0.01	**PASS**
UNLEADED REG	1	6/28/97	13:42:02	6/25/97 10:15:25	54.75	3,263.58	0.01	**PASS**
UNLEADED REG	1	6/28/97	16:13:02	6/25/97 10:15:25	54.75	3,263.57	0.02	**PASS**
UNLEADED REG	1	6/28/97	18:50:09	6/25/97 10:15:25	54.75	3,263.57	-0.01	**PASS**
UNLEADED REG	1	6/28/97	21:25:10	6/25/97 10:15:25	54.75	3,263.59	0.01	**PASS**
UNLEADED REG	1	6/28/97	23:39.08	6/25/97 10:15:25	54.73	3,262.20	0.01	**PASS**
UNLEADED REG	1	6/29/97	02:33:14	6/25/97 10:15:25	54.75	3,263.63	-0.01	**PASS**
UNLEADED REG	1	6/29/97	05:08:00	6/25/97 10:15:25	54.75	3,263.70	0.02	**PASS**
UNLEADED REG	1	6/29/97	07:44:09	6/25/97 10:15:25	54.75	3,263.81	-0.02	**PASS**
UNLEADED REG	1	6/29/97	10:21:03	6/25/97 10:15:25	54.75	3,263.91	-0.01	**PASS**
UNLEADED REG	1	6/29/97	13:00:11	6/25/97 10:15:25	54.76	3,263.93	0.02	**PASS**
UNLEADED REG	1	6/29/97	15:41:12	6/25/97 10:15.25	54.78	3,265.35	0.03	**PASS**

Tank Leak Detection Report

June 30, 1997

THE BASIC SCHOOL 11:13:33 AM MonthToDate

Units in F gal All Results **Leak Threshold: 0.20**

FUELNAME	TANK	DATE	TIME	DELIVERY	HEIGHT	VOLUME	LK_RATE	RESULT
UNLEADED REG	1	6/29/97	18:21:04	6/25/97 10:15:25	54.83	3,268.21	0.02	**PASS**
UNLEADED REG	1	6/29/97	20:50:07	6/25/97 10:15:25	54.76	3,263.94	-0 01	**PASS**
UNLEADED REG	1	6/29/97	23:09:02	6/25/97 10:15:25	54.73	3,262.56	-0.00	**PASS**
UNLEADED REG	1	6/30/97	01:28.13	6/25/97 10:15:25	54.73	3,262.59	0.01	**PASS**
UNLEADED REG	1	6/30/97	03:50:06	6/25/97 10:15:25	54.76	3,264.01	0.00	**PASS**
UNLEADED REG	1	6/30/97	06:16:04	6/25/97 10:15:25	54.76	3,264.03	-0.01	**PASS**

Attachment No. US-4

SUMMARY OF REGULATORY REQUIREMENTS FOR MCCDC UST SYSTEMS

Tank System/ Bldg Number	System Use/ Contents/ Capacity	Responsible Organization/ Facility Serviced by UST	REQUIREMENTS						
			Registration	Overfill Prevention Device	Spill Prevention Device	Corrosion Protection	Leak Detection System	Stage I Vapor Recovery System	Stage II Vapor Recovery System
1 1766	Power/#2 Oil/ 1,000 gallons	Head, Maint Branch / Mainside STP	Y	N/A	N/A	N/A	N/A	N/A	N/A
2 2056D	Outlet / Gas 10,000 gallons	Head, Support Branch/ Mainside Motor Transport Fac	Y	Present	Present	Fiberglass	Interstitial	Present	Required
3 2056E	Outlet / Gas 10,000 gallons	Head, Support Branch/ Mainside Motor Transport Fac	Y	Present	Present	Fiberglass	Interstitial	Present	Required
4 2056F	Outlet / Diesel 10,000 gallons	Head, Support Branch/ Mainside Motor Transport Fac	Y	Present	Present	Fiberglass	Interstitial	N/A	N/A
5 24308	Heat / #2 Oil 3,400 gallons	CO, TBS/ Camp Barrett Dental Clinic	Y	N/A	N/A	N/A	N/A	N/A	N/A
6 24310	Heat / #2 Oil 2,000 gallons	CO, TBS/ Camp Barrett NCO Club	Y	N/A	N/A	N/A	N/A	N/A	N/A
7 24142A	Outlet / Gas 4,000 gallons	CO, TBS/ Camp Barrett Motor Trans Fac	Y	Present	Present	Fiberglass	Interstitial	Present	N/A
8 24142B	Heat / #2 Oil 1,000 gallons	CO, TBS/ Camp Barrett Motor Trans Fac	Y	N/A	N/A	Fiberglass	N/A	N/A	N/A
9 24144	Heat / #2 Oil 1,000 gallons	CO, TBS/ Camp Barrett Bldg #24147	Y	N/A	N/A	N/A	N/A	N/A	N/A
10 24147	Heat / #2 Oil 2,000 gallons	CO, TBS/ Camp Barrett Bldg #24147	Y	N/A	N/A	N/A	N/A	N/A	N/A
11 24148	Heat / #2 Oil 1,000 gallons	CO, TBS/ Camp Barrett Bldg #24148	Y	N/A	N/A	N/A	N/A	N/A	N/A
12 24162C	Heat / #6 Oil 20,000 gallons	Head, Maint Branch/ Camp Barrett Heat Plant	Y	Present	Present	Cathod Anode	GW Monitng	N/A	N/A
13 24162D	Heat / #6 Oil 20,000 gallons	Head, Maint Branch/ Camp Barrett Heat Plant	Y	Present	Present	Cathod Anode	GW Monitng	N/A	N/A
14 26156A	Outlet / Diesel 4,000 gallons	CO, 4th LAI Battalion Camp Upshur Motor Transprt Fac	Y	Present	Present	Fiberglass	Interstitial	Present	N/A
15 2666	Power / Diesel 1,000 gallons	Head, Maint Branch/ Camp Upshur STP	Y	N/A	N/A	N/A	N/A	N/A	N/A
16 27002C	Outlet / Diesel 10,000 gallons	Head, Maint Branch/ Guad Maint Facility	Y	Present	Present	Fiberglass	Interstitial	N/A	N/A
17 27004	Heat / #2 Oil 1,000 gallons	Head, Maint Branch/ Guad Maint Facility	Y	N/A	N/A	N/A	N/A	N/A	N/A

SUMMARY OF REGULATORY REQUIREMENTS FOR MCCDC UST SYSTEMS

Tank System/ Bldg Number	System Use/ Contents/ Capacity	Responsible Organization/ Facility Serviced by UST	REQUIREMENTS						
			Registration	Overfill Prevention Device	Spill Prevention Device	Corrosion Protection	Leak Detection System	Stage I Vapor Recovery System	Stage II Vapor Recovery System
18 27207	Power / #2 Oil/ 550 gallons	CO, WTBN/ WTBN Bldg #27207	Y	N/A	N/A	N/A	N/A	N/A	N/A
19 27210A	Heat / #2 Oil/ 1,000 gallons	CO, WTBN/ WTBN Bldg #27210	Y	N/A	N/A	N/A	N/A	N/A	N/A
20 27215	Heat / #2 Oil/ 550 gallons	CO, WTBN/ WTBN Bldg #27215	Y	N/A	N/A	N/A	N/A	N/A	N/A
21 27227	Heat / #2 Oil/ 1,000 gallons	CO, WTBN/ WTBN Bldg #27227	Y	N/A	N/A	N/A	N/A	N/A	N/A
22 27229	Power / Diesel/ 1,000 gallons	Head, Maint Branch/ WTBN SPS	Y	N/A	N/A	N/A	N/A	N/A	N/A
23 27240	Heat / #2 Oil/ 2,000 gallons	CO, WTBN/ WTBN Bldg #27240	Y	N/A	N/A	N/A	N/A	N/A	N/A
24 27241	Heat / #2 Oil/ 1,000 gallons	CO, WTBN/ WTBN Bldg #27241	Y	N/A	N/A	N/A	N/A	N/A	N/A
25 27266	Heat / #2 Oil/ 2,500 gallons	CO, WTBN/ WTBN Bldg #27266	Y	N/A	N/A	N/A	N/A	N/A	N/A
26 27409A	Heat / #2 Oil/ 1,000 gallons	Director, Public Safety Div/ Guad Area Fire Rescue Station	Y	N/A	N/A	N/A	N/A	N/A	N/A
27 27409B	Power/#2 Oil/ 1,000 gallons	Director, Public Safety Div/ Guad Area Fire Rescue Station	Y	N/A	N/A	N/A	N/A	N/A	N/A
28 27940A	Outlet / Gas/ 2,000 gallons	Asst Dir, FBI Academy/ FBI Garage	Y	Req'd by 1998	Req'd by 1998	Req'd by 1998	Inv Cntl / TTT	Present	N/A
29 27940B	Outlet / Gas/ 2,000 gallons	Asst Dir, FBI Academy/ FBI Garage	Y	Req'd by 1998	Req'd by 1998	Req'd by 1998	Inv Cntl / TTT	Present	N/A
30 27940C	Outlet/Diesel/ 2,000 gallons	Asst Dir, FBI Academy/ FBI Garage	Y	Req'd by 1998	Req'd by 1998	Req'd by 1998	Inv Cntl / TTT	N/A	N/A
31 27958A	Heat / #2 Oil/ 48,000 gallons	Asst Dir, FBI Academy/ FBI Engineering Lab	Y	Present	Present	Fiberglass	Inv Cntl / TTT	N/A	N/A
32 27958B	Power / #2 Oil/ 48,000 gallons	Asst Dir, FBI Academy/ FBI Engineering Lab	Y	N/A	N/A	N/A	N/A	N/A	N/A
33 28000A	Heat / #2 Oil/ 2,000 gallons	CO, MARCORSYSCOM/ Engineer Test Site	Y	N/A	N/A	N/A	N/A	N/A	N/A

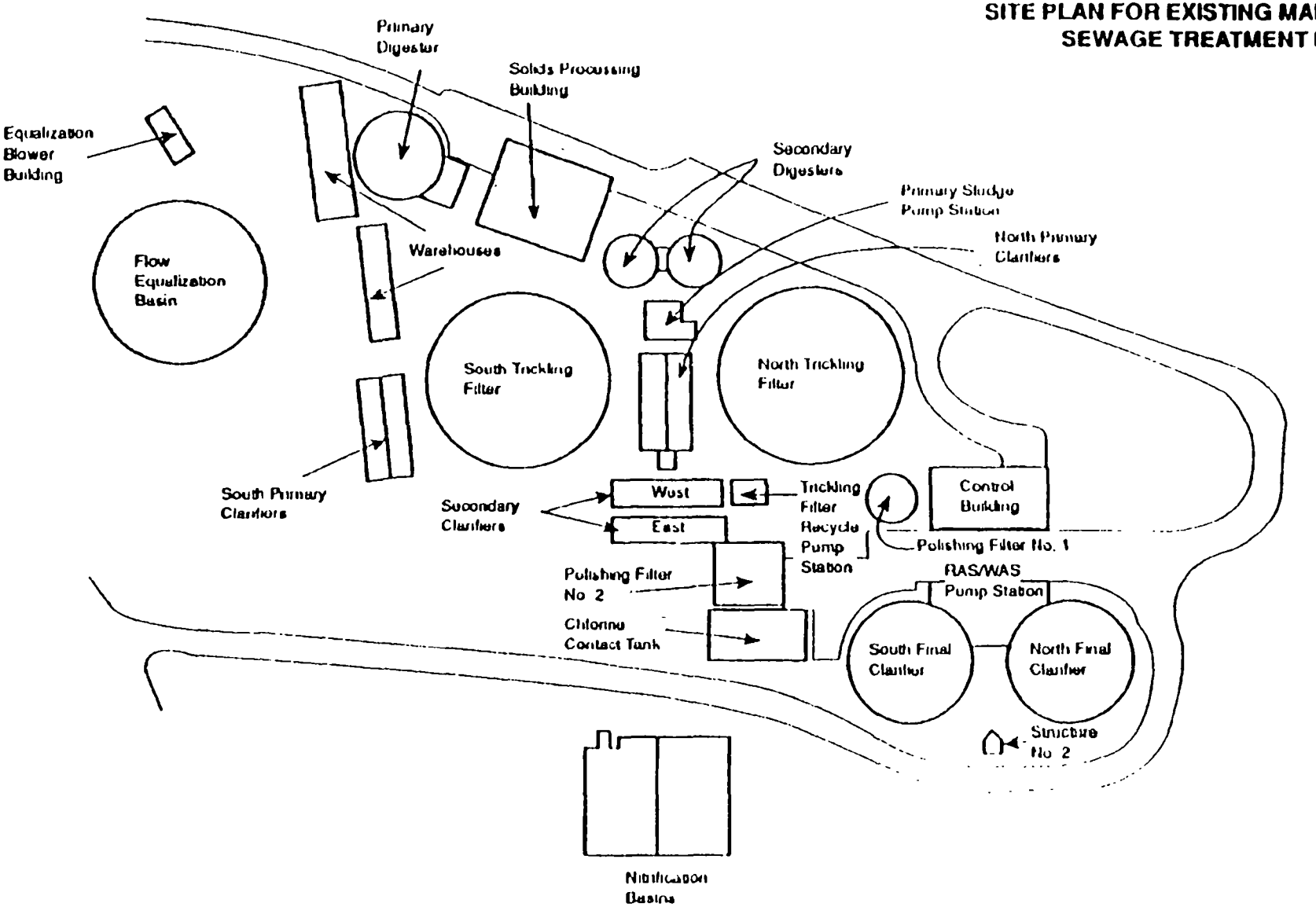
SUMMARY OF REGULATORY REQUIREMENTS FOR MCCDC UST SYSTEMS

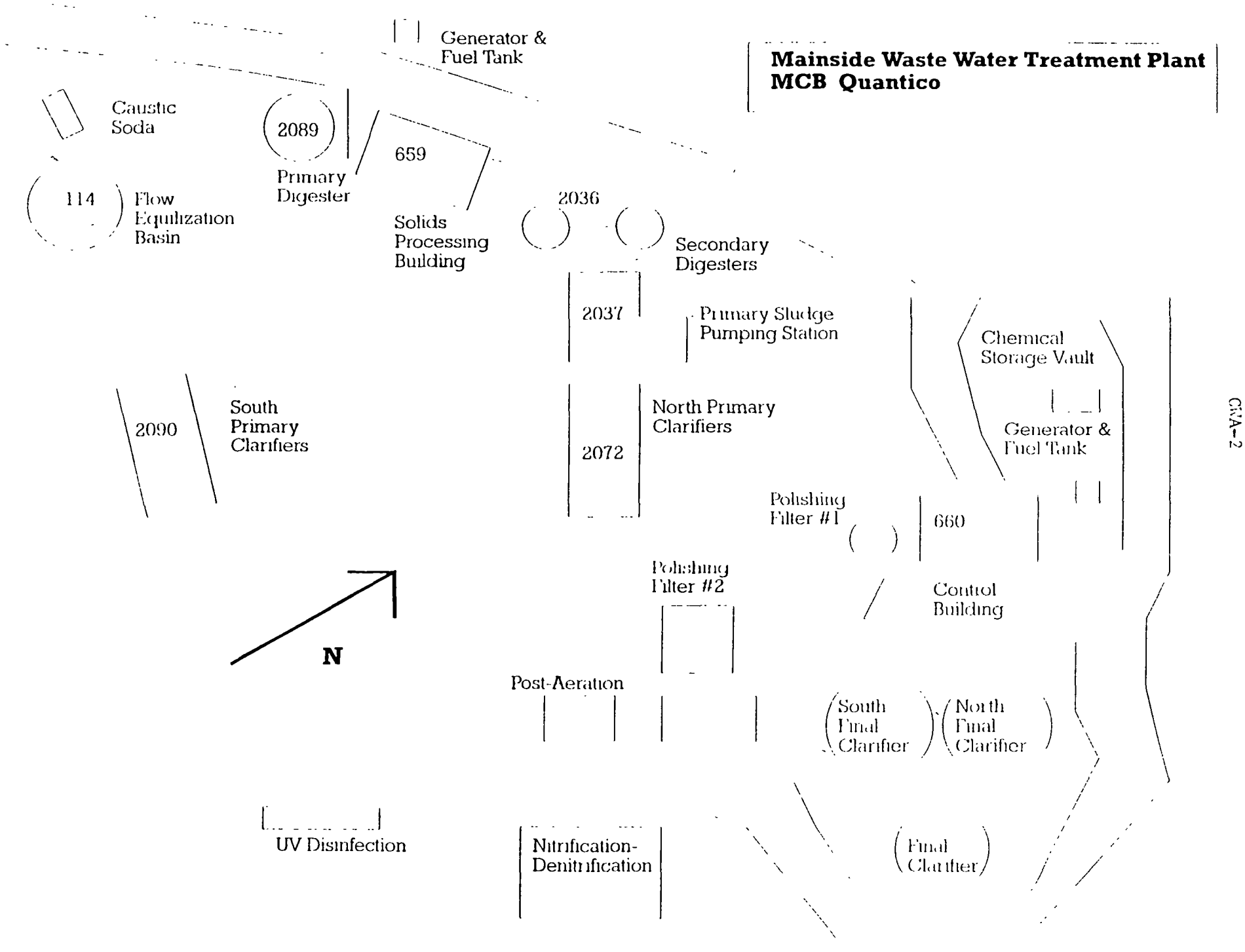
Tank System/ Bldg Number	System Use/ Contents/ Capacity	Responsible Organization/ Facility Serviced by UST	REQUIREMENTS						
			Registration	Overfill Prevention Device	Spill Prevention Device	Corrosion Protection	Leak Detection System	Stage I Vapor Recovery System	Stage II Vapor Recovery System
34 2819	Power / #2 Oil/ 550 gallons	Head, Maint Branch/ Mainside SPS #4	Y	N/A	N/A	N/A	N/A	N/A	N/A
35 2995	Power / #2 Oil/ 1,000 gallons	Head, Maint Branch/ Mainside SPS #6	Y	N/A	N/A	N/A	N/A	N/A	N/A
36 3247	Heat / #2 Oil/ 5,000 gallons	CO, Security Battalion/ Confinement Facility	Y	N/A	N/A	N/A	N/A	N/A	N/A
37 3303	Heat / #2 Oil/ 1,000 gallons	Director, MWR Division/ Golf Course Club House	Y	N/A	N/A	N/A	N/A	N/A	N/A
38 3400	Heat / #2 Oil/ 5,000 gallons	Head, Defense Commissary Agency Commissary	Y	N/A	N/A	N/A	N/A	N/A	N/A
39 3500B	Outlet / Gas/ 12,000 gallons	Director, MWR Division/ MCX Gas Station	Y	Present	Present	Fiberglass	Inv Contl / TTT	Present	Present
40 3500C	Outlet / Gas/ 12,000 gallons	Director, MWR Division/ MCX Gas Station	Y	Present	Present	Fiberglass	Inv Contl / TTT	Present	Present
41 3500D	Outlet / Gas/ 12,000 gallons	Director, MWR Division/ MCX Gas Station	Y	Present	Present	Fiberglass	Inv Contl / TTT	Present	Present
42 5109	Power / #2 Oil/ 550 gallons	CO,MC Air Facility MCAF Bldg #5109	Y	N/A	N/A	N/A	N/A	N/A	N/A
43 5121	Power / #2 Oil/ 550 gallons	Head, Maint Branch/ Browns Field SPS	Y	N/A	N/A	N/A	N/A	N/A	N/A
44 5156	Heat / #2 Oil 275 gallons	CO, MC Air Facility MCAF Bldg #5156	Y	N/A	N/A	N/A	N/A	N/A	N/A
45 660A	Power / #2 Oil/ 1,000 gallons	Head, Maint Branch/ Mainside STP	Y	N/A	N/A	N/A	N/A	N/A	N/A
46 3300	Power / #2 Oil/ 25,000 gallons	Head, Maint Branch/ Combat Development Center	Y	Present	Present	Fiberglass	Intrstl Mon	N/A	N/A
46 SPS	Power / #2 Oil/ 550 gallons	Stafford County Dept of Utilities Camp Barrett SPS	Y	N/A	N/A	N/A	N/A	N/A	N/A

eneral Note:
Tank system information indicated herein will be updated as tanks are removed or replaced with new AST or UST systems

CWA
Attachments

Figure 2-2
SITE PLAN FOR EXISTING MAINSIDE SEWAGE TREATMENT PLANT




Mainside Waste Water Treatment Plant
MCB Quantico
Generator &
Fuel Tank
Caustic
Soda
2089
659
Primary
Digester
114
Flow
Equilization
Basin
Solids
Processing
Building
2036
Secondary
Digesters
2037
Primary Sludge
Pumping Station
Chemical
Storage Vault
2090
South
Primary
Clarifiers
North Primary
Clarifiers
2072
Generator &
Fuel Tank
Polishing
Filter #1
660
Polishing
Filter #2
Control
Building
N
Post-Aeration
South
Final
Clarifier
North
Final
Clarifier
UV Disinfection
Nitrification-
Denitrification
Final
Clarifier

GWA-2

QUANTICO-MAINSIDE WASTEWATER TREATMENT PLANT BIOLOGICAL NUTRIENT REMOVAL IMPLEMENTATION

The implementation of biological nutrient removal (BNR) of nitrogen at the Quantico-Mainside wastewater treatment plant came about as a result of a lawsuit filed against the U.S. Navy (USN) by the Natural Resources Defense Council (NRDC) for repeated BOD, TSS, NH3 and DO permit violations at the plant. As a result of this lawsuit, a consent order was signed between the NRDC and the USN calling for improved operator training, equipment upgrades, and a long term capital improvement study.

The consent order caused the USN to hire CH2MHILL to address both the short term needs of improved operator training and equipment upgrades and the long term need for major capital improvements. As a result of the initiation of operator training and some minor capital improvements, the plant was able to reduce the number of Notices of Violation (NOVs) from an average of over 400 per year to zero in the last two and a half years.

Mr. Mike McGrath of CH2MHILL (703) 471-6405 x4105 indicated that their capital improvement study of the Quantico plant was a preliminary study that recommended $10-20M in improvements, including the implementation of nitrogen removal. He indicated that Engineering Science, Inc. was the consulting firm doing the actual design of plant improvements through a contract with the Naval Facilities Engineering Command, Atlantic Division.

Mr. Glen Pearson of Engineering Science, Inc. (703) 591-7575 provided a description of the existing facility as well as the proposed improvements included in their design. He indicated that the current plant design includes an in-line equalization tank (entire flow enters this tank before moving to the primary tanks) followed by two primary tanks. After the two primaries, there is a series of trickling filters followed by two secondary settling tanks, a nitrification tank, and two secondary clarifiers. Sludge is processed by anaerobic digestion and dewatering is achieved with one primary and two secondary vacuum filters.

Mr. Pearson said that the Engineering Science, Inc. design (Modified Ludzack-Ettinger process - single pass) would provide the following improvements:

Liquids Processes

1) New pumping stations with force main gravity sewers,
2) The equalization tank will be redesigned as a side-line tank so that only peak flows will enter the tank with normal flows going directly to the primary tanks (already redesigned by a different firm),
3) Demolish the trickling filters and the secondary settling tanks (too small),
4) Construction of a second nitrification tank,
5) Construction of a third secondary clarifier and revamping of the waste and return sludge pumping systems,
6) Extension of the chlorination tank to be used for post aeration,
7) Installation of three banks of UV lights for disinfection,
8) Installation of a new Parshall flume for improved effluent flow measurement, and
9) Installation of a hydronomatic pump to provide treated effluent for use as process water

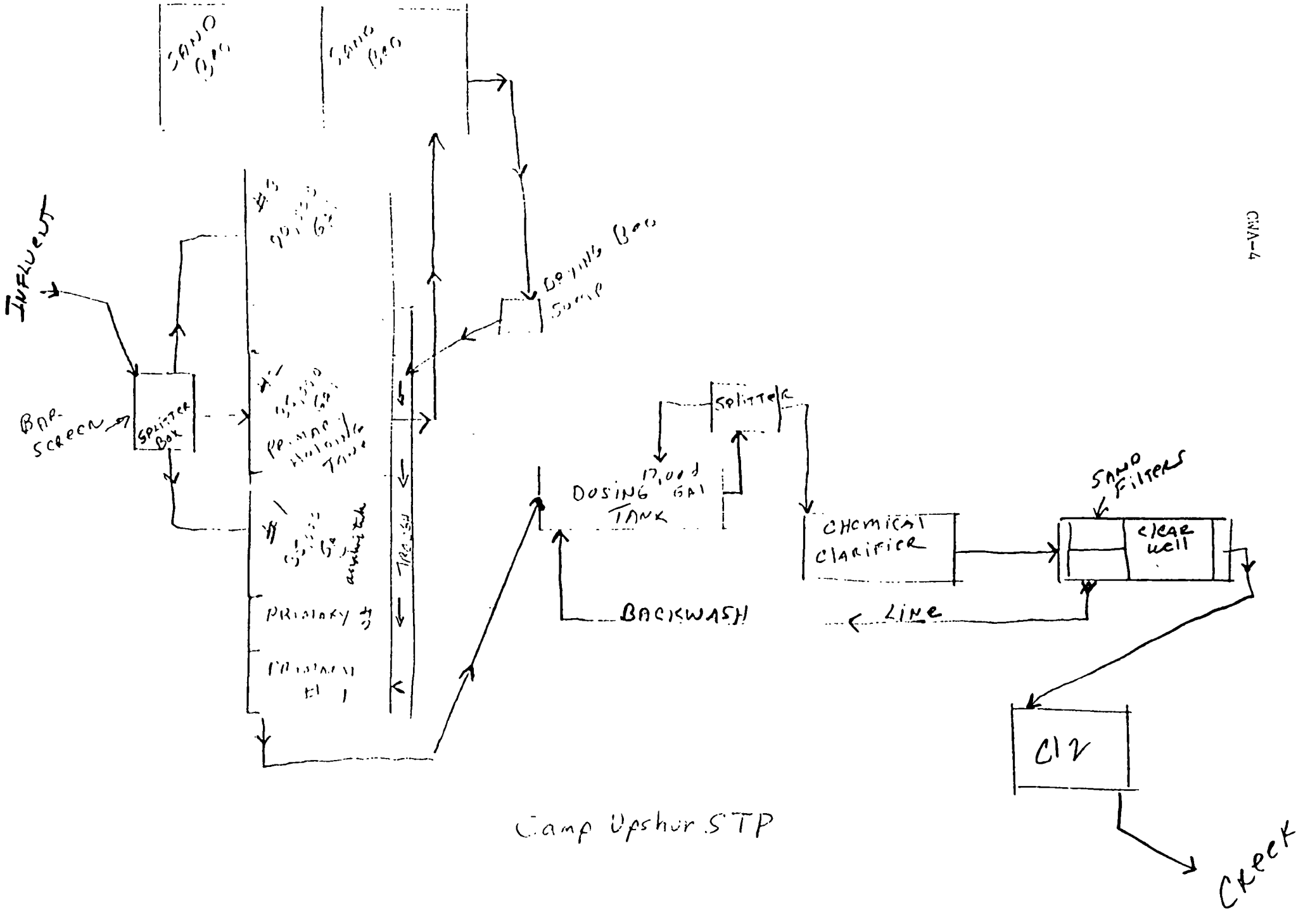
Solids Processes

1) Installation of a second primary vacuum filter (new requirement) and converting the existing secondary vacuum filter for emergency sludge storage, and
2) Installation of a third centrifuge for dewatering (another project involves the installation of the first two centrifuges - Quantico will abandon the use of vacuum filters when the entire project is completed).

Mr. Pearson also indicated that the plant would have a design capacity of 2.2-2.4 MGD after the upgrade (existing design is 2 MGD), with the ability to handle much higher peak flows. He also said that another project is currently under way in which the entire sewer system served by the plant is being sliplined to reduce inflow and infiltration. Funding for the entire project, estimated at $19 million, is 100% federal and the preliminary timetable for its completion is as follows:

Milestone	Date
1) Completion of design study	7/95
2) Bids for construction	9/95
3) Construction award	1/96
4) Construction start	2/96
5) Project completion	mid to late '98

Mr. Robert Fretz, the Principal Executive Officer of the Quantico-Mainside WWTP (703) 640-2065, indicated that he would be happy to provide a tour of the facilities at the Quantico Marine Base to any and all members of the Regional Wastewater Management Subcommittee.



Camp Upshur STP

CWA-4

12. Discharge Description: Flow values are estimated for the process wastewater contributions to each outfall. Average flows were obtained from EPA Form 2C, Item II.B. Maximum flows were obtained from EPA Form 2C, Item II.C for intermittent discharges and from the Discharge Monitoring Reports where available. Estimates for coal pile runoff were obtained from the facility's monthly monitoring reports for the period January 1992 - December 1993.

OUTFALL NUMBER	DISCHARGE SOURCE	TREATMENT	FLOW (MGD) AVG/MAX
001	**Camp Upshur WTP** Filter backwash	Sedimentation (3 lagoons in series)	0.0023 / 0.07
002, 004	**Camp Barrett WTP** Filter backwash	Sedimentation (2 lagoons in parallel)	0.016 / 0.0282
003	**Mainside WTP** Filter backwash	Sedimentation (1 lagoon)	0.0033 / 0.120
005	**Camp Barrett Tank Wash**	Oil/Water Separator	0.0144 / 0.0144
~~008~~	**Larson Gym** Laundry wastewater, Vehicle wash & equipment cleaning wastewater, non-contact cooling water (nccw), steam condensate	None	0.0115 / 0.0432
009	**NCO Swimming Pool** Swimming pool filter backwash (May - Sept)	None	0.008 / 0.0162
010	**Mainside Drainage - North** Steam condensate	None	0.0002 / 0.0002
~~012~~	**Ramer Hall Swimming Pool** Swimming pool filter backwash (year-round)	None	0.0005 / 0.010

OUTFALL NUMBER	DISCHARGE SOURCE	TREATMENT	FLOW (MGD) AVG/MAX
013	**MWR Hobby Shop** Steam condensate, Storm water associated with industrial activity (category iv)	None	0.000025 / 0.0001
014	**HMX-1 Hangars & Maintenance** Nccw, steam condensate	None	0.010 / 0.010
015	**Airfield Refueling Area** Storm water associated with industrial activity (category viii)	None	
016	**Mainside Drainage - South** Vehicle wash rack (Bldgs. 2013 & 3016), nccw, steam condensate	None	0.091 / 0.0259
018	**HMX-1 Supply Depot** Storm water associated with industrial activity (category xi)	None	
019	**Aero Club** Storm water associated with industrial activity (category viii)	None	
022	**MWR Auto Hobby Lot** Storm water associated with industrial activity (category vi)	None	

OUTFALL NUMBER	DISCHARGE SOURCE	TREATMENT	FLOW (MGD) AVG/MAX
027	BOQ Vehicle wash, steam condensate	None	0.001 /0.0065
030	BoBo Hall Steam condensate	None	0.0005 / 0.0031
~~031~~	Old Landfill Storm water associated with industrial activity (category v)	None	
~~032~~	MWR Vehicle Maintenance Floor drains	None	0.0002 / 0.004
035	BOQ Vehicle wash, steam condensate	None	0.0012 / 0.0048
040	Officers Swimming Pool Swimming pool filter backwash (May - Sept.)	None	0.0084 / 0.010
050	Clinic Vehicle wash, nccw, steam condensate	None	0.0029 / 0.0047
060	Vehicle Test Site Storm water associated with industrial activity (category viii)	None	
~~056~~	Coal Pile Runoff Storm water associated with industrial activity (category vii)	Retention/ Neutralization	0.0003 / 0.0061
~~057~~	Coal Pile Runoff Lagoons Leachate	None	

OUTFALL NUMBER	DISCHARGE SOURCE	TREATMENT	FLOW (MGD) AVG/MAX
071	**Guad Maintenance Shop** Vehicle wash	None	0.0025 / 0.017
072	**Fuel Farm** Hydrostatic tank test waters, Storm water associated with industrial activity (category viii)	Oil/water separator	
073	**Landfill** Storm water associated with industrial activity (category v)	Sedimentation	
074	**Landfill** Storm water associated with industrial activity (category v)	Sedimentation	
075	**Construction Equipment Repair** Storm water associated with industrial activity (category viii)	None	

TSCA/PCB
Attachments

4.7 LAND-BASED UNITS

PCB - 1

This section presents descriptions of the Land-based Units as presented in the Phase II RFA. Current site condition descriptions are provided below and in Table A.

L-1 Pesticide Burial Area

The location of this area is approximately 200 feet southwest of Building 2427 near the intersection of Russell Road and MCB 1. This unit is the result of a one-time operation in June 1974. Excess pesticides, approximately 278 liters of liquid (49.3 l of 15% Dieldrin and 228 l of 18.5% Kelthane) in metal containers and 122 kilograms of solid (65.4 kg of 98% Lead Arsenate, 22.6 kg of 95% Micosulfur, 11.3 kg of Paris Green, and 22.6 kg of 50% Captan) in paper bags or fiberboard containers, were buried in an earthen pit eight feet deep and sixteen feet in diameter. The pit was backfilled with the excavated soils following disposal.

The VSI found the site completely indistinguishable from the surroundings. During the Characterization Phase of the Confirmation Study, four soil borings were installed, each to a depth of 10-feet, in the vicinity of the unit. Boring 2 encountered water having an organic phase floating on it. Dieldrin was present (375 ppb to 545 ppb) in water samples taken from boring 2. Metal analysis of samples from boring 2 found 500 ppm arsenic at a depth of 6 feet (3 feet=9.4 ppm; 9 feet=9.4 ppm).

Removal action was performed at the site. During the 1994 field inventory no evidence of contamination was found. Full-screen confirmatory sampling may be required.

L-2 Old Landfill

This is an eight-acre Landfill located on the banks of the Potomac River, east of Building 672. It has a subsurface, 5 to 8 feet thick, consisting of artificial fill (clay, silt, and sand--low to moderately permeable), underlain by old Potomac River Sediments. The site was in use from the 1920's until 1971. It served as the primary disposal area for MCDEC. A two acre area was bermed in preparation for dredge spoil from the river channel. It was never used.

The 1988 Confirmation Study Report included this site because there was concern that the hazardous wastes contained in the landfill might migrate to the Potomac.

The following were disposed there:

from the Paint Shop (3252);

10,000 gallons of paint, 6,000 gallons of paint thinner and cleaner, 30,000 pounds of lead (from paint), and 4,000 gallons of sludge from Paint Spray Booth;

from the Air Conditioning Shop (3252);

200 pounds of sludge from Viscosine Burning, and 120 gallons of compressor oil

from Motor Transport Maintenance;

20,000 car batteries

from the Electrical Shop;

120 gallons of transformer dielectric oils.

Ground water at the site is 5-15 feet below grade and flows towards the Potomac (southeast). Groundwater samples found: barium, lead, chromium, cadmium, and arsenic. Surface water samples contained methylene chloride, chloroform, ethylenes, and pesticide 4,4'-DD. Lead was found in one sample. Sediment samples contained: floranthene, pyrene, arsenic, barium, cadmium, chromium, lead, and mercury. Pesticides 4,4'-DDE, 4,4'-DDD, 4,4'-DDT, were found in concentrations up to 1200 ppb. PCB-1260 was found in concentrations from 490 ppb to 5300 ppb. Composite soil samples contained PCB-1260 in concentrations from 130 ppb to 1200 ppb.

Removal action was performed at the site for PCB contaminated soils and erosion and sediment controls have been implemented. Monthly sampling is now underway at the site and the draft EE/CA is in review. A cap has been proposed for the landfill site.

L-3 DRMO Scrapyard

This area is 2.5 acres and is located southeast of Buildings 671 and 672 on top of Old Landfill, accessible by a dirt road off of Epperson Avenue. Unlike the 1988 Confirmation Study Report, this report considers the DRMO Scrapyard a separate SWMU than the Old Landfill because the DRMO fenced-in area is being used to store electrical transformers. The Scrapyard was constructed in the 1950's and is still operational.

The area manages scrap and salvageable metals. About ten PCB-contaminated transformers had been stored here (six of the ten had leaked dry before being removed). There are several ground stains in the vicinity of the PCB storage area. The CS report noted PCB-contaminated soil along the eastern part of the Scrapyard Also the surface water is PCB-contaminated and flows into the Potomac During the Verification phase, soil samples contained PCBs around 170 ppm PCBs were also found in subsurface soils and ground water down gradient

During the Characterization Phase, subsurface soil samples were collected up to 3 feet deep in the Scrapyard and contained 50-1829 ppm of PCB-1260. The top 18 inches of soil generally contained the largest concentrations. Sediment sample from the Potomac, downstream of the discharge point, contained up to 5.3 ppm of PCBs. Workers in the scrapyard are at risk from exposure to PCBs by inhalation of PCB-bearing dust and dermal contact.

L-4 Old Batch Plant

This area is located within 200 feet (northeast) of Building 3218, near the intersection of Elrod Road and Route 636. For 6-9 years the site accumulated, in open storage, unserviceable electrical transformers from the Electrical Shop. The site opened in the 1970's and by 1979 all transformers were removed and placed in Building 2141. The 1986 Confirmation Study included this site because it drains to the river from 3 Drop Inlets.

Thirty-four electrical transformers were stored here. Two transformers each contained 18 gallons of 100% PCB dielectric fluid. Twenty-one transformers contained PCBs ranging from 3 ppm to 240 ppm. The remaining transformers contained only mineral oil. The transformers were stored on a concrete pad and there were transformer oil stains on the pad.

Samples collected from boring through the concrete pad contained no PCBs. Samples collected from the perimeter, and surface soils on the pad contained PCBs in concentrations from 59 to 28,000 ppb. Ten surface soils from above the pad and from a disturbed area above a new culvert, contained PCB-1260 in concentrations from 0.6 to 630 ppm. In both sampling scenarios the highest concentrations were found near two Drop Inlets by the concrete pad.

Removal action has been performed. Additional sampling may be required. The site is being handled as an existing IRP site.

L-4a to L-4k Old Batch Plant Auxillary Sites

Site conditions recorded on the March 1954 photography generally resemble those of 1953. Of interest are the newly cleared areas which are accessed from the northern portion of the site. By May 1962 several probable waste disposal areas (L-4a-4d) are visible within the southern half of the site. One central access road ties the probable waste disposal areas to the main portion of the site. Two possible pits, areas of dark-toned staining, disturbed ground, and open storage of numerous small objects are also noted in 1962

In April 1964 four of the six probable waste disposal areas (L-4a, L-4b, L-4e, L-4f) are active and contain mounds of light-toned material. Two (L-4c and L-4d) area inactive; their surfaces covered with vegetation. Two pits, medium-toned mounded material, and six rows of light-toned mounded material are visible near L-4f. Many of the objects formerly in open storage within the northern portion of the site have been removed. Scattered light-toned cylindrical objects are seen across the ground surface and an area of scattered possible waste materials is noted farther west.

Two of the probable waste disposal areas (L-4b, L-5d) visible in April 1964 are active in June 1969. Three new probable waste disposal areas (L-4g, L-4h, and L-4i) have been added. One area (L-4i) contains a small pit. A new area of disturbed ground is visible west of B 3237 in the northern portion of the site.

By November 1970, all probable waste disposal areas appear inactive and are vegetated A number of airplanes are parked adjacent to the disturbed ground.

Renewed activity is noted in December 1971. Areas L-4c, L-4l and L-4k contain possible pits; L-4l contains areas of light-toned liquid, possibly frozen. Two pits and four trenches (containing light-toned liquid) are visible south of L-4f. A new probable waste disposal area (L-4j) is visible in the southern portion of the site. Two other trenches are noted on either side of the across road north of the probable waste disposal areas. Probable drums, light-toned material, and medium-toned mounded material are visible in the open storage area in the northern portion of the site. A dark-toned stain extends westward from B 3216.

By March 1981, one probable waste disposal area (L-4b) remains active. All other probable waste disposal areas are covered with vegetation. The noticeable change in the northern portion of the site has been the construction of the building at Site 17. A number of different materials are visible within open storage but the poor resolution of the film precludes identification of these materials. In October 1985 L-4b had revegetated. Mounded materials and open storage of earthen materials, debris, and square containers were visible in the northern part of Site 5 All of these materials were removed by January 1993.

Based on the evidence gained from analysis of the aerial photography, Site 5 was active beginning by 1953, with probable waste disposal from at least 1962 through 1981. None of these areas of probable waste disposal were mentioned in the IAS. The site's main activity of concern was the recorded storage of unserviceable electrical transformers in open storage (near B 3216) between 1970 and 1979 The presence of electrical transformers could not be photo-verified

During the 1994 field inventory the field visit indicated that all of the above areas were likely waste disposal areas

UNITED STATES MARINE CORPS
MARINE CORPS BASE
MARINE CORPS COMBAT DEVELOPMENT COMMAND
QUANTICO, VIRGINIA 22134-5000

IN REPLY REFER TO
6280/2
C 046
07 APR 1995

PCB - 2

From: Commanding General, Marine Corps Base, Marine Corps Combat Development Command, 3040 McCawley Ave., Quantico, VA 22134-5053 (C 046)
To: Commanding Officer, Naval Facilities Engineering Service Center, Port Hueneme

Subj: CALENDAR YEAR (CY) 1994 POLYCHLORINATED BIPHENYLS (PCB) INVENTORY UPDATE

Ref: (a) CO, NFESC ltr 5090 Ser 424/1361 of 7 Dec 94
(b) MCO P5090.2

Encl: (1) CY 1994 PCB Inventory Data Diskette
(2) CY 1994 PCB Inventory Forms (Revised)

1. In accordance with references (a) and (b), enclosures (1) and (2) are submitted.

2. If you have any questions or require additional information, please contact Mr. Ralph Phipps at (703) 784-4030.

Bruce C. Frizzell
BRUCE C. FRIZZELL
By direction

Copy to:
CMC (LFL) (Less encl (1))

Part 1

UIC	IDNUMBER	ADD	DEL	QUA	CTC	GTEST	PM	TKVA	KG	GALLONS	CUBICFT
M00264	FC31/GNW			1	OLFF	853		0	5.0	0.9	0.1
M00264	16623		F	1	OLFF	63		0	4.0	0.7	0.1
M00264	837-0649			1	TLFF	103		15	70.0	12.7	1.7
M00264	6369866			1	TLFF	382		10	38.0	6.9	0.9
M00264	B974229			1	TLFF	136		75	204.0	37.1	5.0
M00264	82D1855			1	TLFF	65		75	174.0	31.6	4.2
M00264	B700173			1	TLFF	293		15	70.0	12.7	1.7
M00264	9258126			1	TLFF	424		15	70.0	12.7	1.7
M00264	7913564			1	TLFF	59		38	126.0	22.9	3.1
M00264	D43031759P		F	1	TLFF	55		50	255.0	46.4	2.9
M00264	7328780			1	TLFF	3140		200	333.0	60.6	8.1
M00264	786005021		F	1	TLFF	143		500	714.0	129.8	17.4
M00264	C145662			1	TLFF	172		75	204.0	37.1	5.0
M00264	7328770			1	TLFF	157		200	333.0	60.6	8.1
M00264	6263864			1	TLFF	175		3	17.0	3.1	0.4
M00264	7328767			1	TLFF	13700		200	333.0	60.6	8.1
M00264	D213125			1	TLFF	64		38	119.0	21.6	2.9
M00264	2769350			1	TLFF	94		50	85.0	15.5	2.1
M00264	83NF136002		F	1	TLFF	86		15	68.0	12.4	1.7
M00264	B449651			1	TLFF	171		25	106.0	19.3	2.6
M00264	D213122			1	TLFF	54		38	102.0	18.6	2.5
M00264	76V7349			1	TLFF	1610		15	65.0	11.8	1.6
M00264	7961511			1	TLFF	966		25	95.0	17.3	2.3
M00264	F688954			1	TLFF	132		300	850.0	154.6	20.7
M00264	D213123			1	TLFF	69		38	119.0	21.6	2.9
M00264	3100723		F	1	TLFF	50		75	212.0	38.6	5.2
M00264	3411980		F	1	TLFF	50		75	212.0	38.6	5.2
M00264	796006839		F	1	TLFF	139		500	837.0	152.2	20.4
M00264	3000938			1	TLFF	136		25	85.0	15.5	2.1
M00264	D338962			1	TLFF	208		38	119.0	21.6	2.9
M00264	3100722		F	1	TLFF	50		75	212.0	38.6	5.2
M00264	7297977			1	TLFF	69		50	116.0	21.1	2.8
M00264	9266382		F	1	TLFF	64		15	90.0	16.4	2.2
M00264	B700175			1	TLFF	779		15	70.0	12.7	1.7
M00264	D338963			1	TLFF	197		38	119.0	21.6	2.9
M00264	B743106			1	TLFF	419		25	106.0	19.3	2.6
M00264	603823			1	TLFF	2000		25	130.0	23.6	3.2
M00264	C145659			1	TLFF	152		75	204.0	37.1	5.0
M00264	7297981			1	TLFF	160		50	116.0	21.1	2.8
M00264	C108994			1	TLFF	311		15	68.0	12.4	1.7
M00264	H258848-68P			1	TLFF	843		113	164.0	29.8	4.0
M00264	D342944			1	TLFF	101		50	119.0	21.6	2.9
M00264	859A110018	A		1	TLFF	102		75	297.0	54.0	10.0
M00264	120982C-11B	A		1	TLFF	106		20	392.0	71.0	12.0
M00264	32004/7620	A		1	TLFF	61		75	138.0	25.0	10.0
M00264	970155-62P	A		1	TLFF	89		112	94.0	17.0	63.0
M00264	1333229			1	TLFF	65		25	75.0	13.6	1.8
				0		0		0	0.0	0.0	0.0

Part 2

UIC	IDNUMBER	LOCAT	REG_PRES	PUIC	REPLCOST	ANTREMD	FUNDING	PRIORITY
M00264	FC31/GNW	NA	RF	M00264	10.0	083094	M	H
M00264	16623	NN	RF	M00264	10.0	083094	M	L
M00264	837-0649	NA	RF	M00264	10.0	083094	M	M
M00264	6369866	NN	RF	M00264	10.0	083094	M	M
M00264	B974229	NC	RF	M00264	10.0	083094	M	M
M00264	82D1855	NN	RF	M00264	10.0	083094	M	L
M00264	B700173	NA	RF	M00264	10.0	083094	M	M
M00264	9258126	NA	RF	M00264	10.0	083094	M	H
M00264	7913S64	NC	RF	M00264	10.0	083094	M	L
M00264	D43031759P	NC	RF	M00264	10.0	083094	M	L
M00264	7328780	IC	RF	M00264	10.0	083094	M	H
M00264	786005021	NC	RF	M00264	10.0	083094	M	M
M00264	C145662	NC	RF	M00264	10.0	083094	M	M
M00264	7328770	IC	RF	M00264	10.0	083094	M	H
M00264	6263864	NN	RF	M00264	10.0	083094	M	M
M00264	7328767	IC	RF	M00264	10.0	083094	M	H
M00264	D213125	NA	RF	M00264	10.0	083094	M	L
M00264	2769350	IC	RF	M00264	10.0	083094	M	H
M00264	83NF136002	NA	RF	M00264	10.0	083094	M	L
M00264	B449651	NA	RF	M00264	10.0	083094	M	M
M00264	D213122	NA	RF	M00264	10.0	083094	M	L
M00264	76V7349	NN	RF	M00264	10.0	083094	M	H
M00264	7961511	NA	RF	M00264	10.0	083094	M	H
M00264	F688954	NC	RF	M00264	10.0	083094	M	M
M00264	D213123	NA	RF	M00264	10.0	083094	M	L
M00264	3100723	NC	RF	M00264	10.0	083094	M	L
M00264	3411980	NC	RF	M00264	10.0	083094	M	L
M00264	796006839	NC	RF	M00264	10.0	083094	M	M
M00264	3000938	IC	RF	M00264	10.0	083094	M	H
M00264	D338962	NA	RF	M00264	10.0	083094	M	M
M00264	3100722	NC	RF	M00264	10.0	083094	M	L
M00264	7297977	IC	RF	M00264	10.0	083094	M	M
M00264	9266382	IC	RF	M00264	10.0	083094	M	H
M00264	B700175	NA	RF	M00264	10.0	083094	M	H
M00264	D338963	NA	RF	M00264	10.0	083094	M	M
M00264	B743106	NA	RF	M00264	10.0	083094	M	M
M00264	603823	NA	RF	M00264	10.0	083094	M	H
M00264	C145659	NC	RF	M00264	10.0	083094	M	M
M00264	7297981	IC	RF	M00264	10.0	083094	M	H
M00264	C108994	NC	RF	M00264	10.0	083094	M	M
M00264	H258848-68P	IC	RF	M00264	10.0	083094	M	H
M00264	D342944	NA	RF	M00264	10.0	083094	M	M
M00264	859A110018	NN	RF	M00264	10.0	083094	M	L
M00264	120982C-11B	IN	RF	M00264	10.0	083094	M	M
M00264	32004/7620	NA	RF	M00264	10.0	083094	M	L
M00264	970155-62P	NA	RF	M00264	10.0	083094	M	L
M00264	1333229	NA	RF	M00264	10.0	083094	M	L

Part 3

UIC	IDNUMBER	STREMOVED	STORAGED	THAULD	MANIFEST	COMPANR	DATEREERRED
M00264	FC31/GNW	I	113094	113094	121994	1391	4
M00264	16623	I					
M00264	837-0649	I	082994	082994	091994	41242	4
M00264	6369866	I	082994	082994	091994	41242	4
M00264	B974229	I	121394	121394	121994	1391	4
M00264	82D1855	I	121394	121394	121994	41242	4
M00264	B700173	I	082994	082994	091994	41242	4
M00264	9258126	I	082994	082994	091994	41242	4
M00264	7913564	I	082994	082994	091994	41242	4
M00264	D43031759P	I					
M00264	7328780	I	121094	121094	121994	1391	4
M00264	786005021	I					
M00264	C145662	I	121394	121394	121994	1391	4
M00264	7328770	I	121394	121394	121994	1391	4
M00264	6263864	I	082994	082994	091994	41242	4
M00264	7328767	I	121094	121094	121994	1391	4
M00264	D213125	I	082994	082994	091994	41242	4
M00264	2769350	I	121094	121094	121994	1391	4
M00264	83NF136002	I					
M00264	B449651	I	082994	082994	091994	41242	4
M00264	D213122	I	082994	082994	091994	41242	4
M00264	76V7349	I	121394	121394	121994	1391	4
M00264	7961511	I	082994	082994	091994	41242	4
M00264	F668954	I					
M00264	D213123	I	082994	082994	091994	41242	4
M00264	3100723	I					
M00264	3411980	I					
M00264	796006839	I					
M00264	3000938	I	121094	121094	121994	1391	4
M00264	D338962	I	082994	082994	091994	41242	4
M00264	3100722	I					
M00264	7297977	I	121394	121394	121994	1391	4
M00264	9266382	I					
M00264	B700175	I	082994	082994	091994	41242	4
M00264	D338963	I	082994	082994	091994	41242	4
M00264	B743106	I	082994	082994	091994	41242	4
M00264	603823	I	082994	082994	091994	41242	4
M00264	C145659	I	121394	121394	121994	1391	4
M00264	7297981	I	121394	121394	121994	1391	4
M00264	C108994	I	121394	121394	121994	1391	4
M00264	H258848-68P	I	121394	121394	121994	1391	4
M00264	D342944	I	082994	082994	091994	41242	4
M00264	859A110018	I	082994	082994	091994	41242	4
M00264	120982C-11B	I	062394	062394	092994	KF78N	1
M00264	32004/7620	I	120894	120894	121994	1391	4
M00264	970155-62P	I	121194	121194	121994	1391	4
M00264	1333229	I	082994	082994	091994	41242	4

Manifest # 1391 (3)

OICC/ROICC
MARINE CORPS COMBAT DEVELOPMENT COMMAND
BLDG 2004
P.O. BOX 1855
QUANTICO, VIRGINIA 22134-0855

PCB - 3

TELECOPY LEAD SHEET

DATE: 11/2/95

TIME: _____

NO. OF PAGES: 3 (INCLUDING COVER SHEET)

TO: Ralph Pappas
NREA

FROM: George Onekundro
ROICC

TELECOPIER NUMBER AVTOVON 278-2124 OR (703) 640-2124

COMMENTS: Will give you the original when I see you again

Type (Form designed for use on elite (12-pitch) typewriter)

Form Approved. OMB No. 2050-0039. Expires 9-30-94

UNIFORM HAZARDOUS WASTE MANIFEST

1 Generator's US EPA ID No: V A 1 1 7 0 0 2 4 7 2 2 | Manifest Document No: 1 3 9 1 | 2 Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3 Generator's Name and Mailing Address
HEAD NAT. RES. ENVIR. AFFAIRS
QUANTICO, VA 22134-5053
703) 640-4030

3040 MCLAWLEY AVENUE
Cnt: RALPH PHIPPS

4 Generator's Phone

A State Manifest Document Number

B State Generator's ID

5 Transporter 1 Company Name: TOI, INC.
6 US EPA ID Number: N Y D 9 8 6 8 9 9 9 1 2
C State Transporter's ID
D Transporter's Phone: 518 828-9887

7 Transporter 2 Company Name
8 US EPA ID Number
E State Transporter's ID
F Transporter's Phone

9 Designated Facility Name and Site Address
TRANS-CYCLE INDUSTRIES, INC. P.O. BOX 765
101 PARKWAY EAST
PELL CITY, AL. 35125-

10 US EPA ID Number: A L D 9 8 3 1 6 7 8 9 1
G State Facility's ID
H Facility's Phone: 205 338-9937

11 US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12 Containers No	Type	13 Total Quantity	14 Unit Wt/Vol	I Waste No.
a. RQ, POLYCHLORINATED BIPHENYLS, CLASS 9 UN2315, PGIII, LIQUID	012	TP	00845	K	PCB
b. RQ, Polychlorinated Biphenyls, Class 9 UN2315, PGIII, Liquid	001	CW	00325	K	PCB
c. RQ, POLYCHLORINATED BIPHENYLS, CLASS 9, UN2315, PG III Liquid	003	TP	03545	K	PCB
d. DOD DOT Regulated Electrical Equipment	002	TP	00263	G	

J Additional Descriptions for Materials Listed Above

A. PCB CONTAMINATED FLUID IN ELECTRICAL EQUIPMENT
B. PCB Contaminated Fluid in Containers and Skids
C. PCB Elec. Equip. Containing >499 PCB's
D. NON PCB DIELECTRIC FLUID IN ELEC. EQUIPMENT

K Handling Codes for Wastes Listed Above

a.

15 Special Handling Instructions and Additional Information

24 HOURS EMERGENCY CONTACT: GARY WALDRON Ph: 800 626-9997

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

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

Printed/Typed Name	Signature	Month	Day	Year
RALPH S. PHIPPS	Ralph S Phipps	1	12	1994

17 Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
JAMES POTTER	James Potter	1	12	1994

18 Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19 Discrepancy Indication Space: TOTAL QUANTITY CORRECTED TO ACTUAL.
FIVE(5) UNITS IN 11.A. TESTED GREATER THAN 500ppm PCB'S; MOVED TO 11.C.
TWO(2) UNITS IN 11.A. TESTED LESS THAN <50ppm PCB'S; MOVED TO 11.D. DC

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

Printed/Typed Name	Signature	Month	Day	Year
DAVE A. ROBERSON	Dave A. Roberson	1	12	1994

SV 6 Lake Hurley, An American Labelmark Co., Chicago, IL 60646 (800)621-5808

EDITION RECYCLED PAPER PRINTED WITH SOY INK

ORIGINAL - RETURN TO GENERATOR

TCI INC - Detail Pickup List of Items
Addendum to Manifest Doc 941391

Date: 12/15/94
Page: 2

Generator: HEAD NAT. RES. ENVIR. AFFAIRS US EPA ID: VA1170024722

Item Nbr	Gen Ref Nbr	Serial Nbr	Qty	Type	Size	PCB PPM	Removed From Srv	Est GAL	Est Wt LBS
001	✓	GEC108994	1	TRANSFRM	15	~~499~~ 222	12/13/94	12	~~230~~ 292
~~002~~		~~B411056-15-T1~~	~~1~~	~~TRANSFRM~~	~~15~~	~~499~~	~~12/13/94~~	~~12~~	~~260~~
4- 003	✓	76V7349	1	TRANSFRM	15	~~499~~ 2720	12/13/94	12	~~250~~ 240
~~004~~			~~1~~	~~TRANSFRM~~	~~25~~	~~499~~	~~12/13/94~~	~~20~~	~~450~~
~~005~~			~~1~~	~~TRANSFRM~~	~~50~~	~~499~~	~~12/13/94~~	~~35~~	~~787~~
2- 006	✓	7297981	1	TRANSFRM	50	~~499~~ 122	12/13/94	35	~~880~~ 1118
3- 007	✓	7297977	1	TRANSFRM	50	~~499~~ 60	12/13/94	35	~~880~~ 1118
~~3- 008~~		~~38B1056~~	~~1~~	~~TRANSFRM~~	~~75~~	~~499~~	~~12/13/94~~	~~45~~	~~800~~
7- 009	✓	C145662	1	TRANSFRM	75	~~499~~ 135	12/13/94	45	~~1000~~ 1270
5- 010	✓	C145659	1	TRANSFRM	75	~~499~~ 120	12/13/94	45	~~1000~~ 1270
6- 011	✓	B974229	1	TRANSFRM	75	~~499~~ 162	12/13/94	45	~~1000~~ 1270
7- 012	✓	H25884868P	1	TRANSFRM	112	~~499~~ 213	12/13/94	60	~~1870~~ 2375
8- 013	✓	7328770	1	TRANSFRM	200	~~499~~ 127	12/13/94	100	~~2680~~ 3417
		>TOTAL Quantity: 13					>TOTALS:	501	~~12687~~ 19260

CENTP PCB CONTAMINATED FLUID IN ELECTRICAL

Non-PCB	✓ 7960068239	—	—	500	UD	12/10/94	132	5700
	✓ 7328767			200	14,000	↑	95	2680
	✓ 7328780			200	9850	↓	90	2685
9-	✓ 2769350			50		12/10/94		880
10-	✓ 300938			25		12/10/94		450
1-	— 3200Y/7620			75	61	12/8/94	25	1000
PCB	✓ 88NF136-002			15	UD	12/9/94	131	250
	~~✓~~ FC31/GNW		Switch		853	11/30/94		200
2-	— 270155-62P			112.5	89	12/11/94	17	4,800
			Skid, w/6 Plastic Containers					450

Driver Signature: [signature] Date: 12-19-94

Generator Signature: [signature] Date: 12-19-94

ORIGINAL - RETURN TO GENERATOR

(4)

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

Form Approved. OMB No. 2050-0039 Expires 9-30-94

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No. VA1170024722	Manifest Document No. 41242	2. Page 1 of 3	Information in the shaded areas is not required by Federal law

3. Generator's Name and Mailing Address: HEAD, NAT. RES. ENVIR. AFF. DR
MCB 3040 MCCAWLEY AVE. P.O. BOX 1665
QUANTICO, VA 22134-5053 Cnt: RALPH PHIPPS
Generator's Phone: (703) 640-4030

A. State Manifest Document Number:

B. State Generator's ID:

4. Transporter 1 Company Name: , INC.
5. US EPA ID Number: NYD986899912
C. State Transporter's ID:
D. Transporter's Phone: 518 828-9997

6. Transporter 2 Company Name:
7. US EPA ID Number:
E. State Transporter's ID:
F. Transporter's Phone:

8. Designated Facility Name and Site Address: TRANS-CYCLE INDUSTRIES, INC. P.O. BOX 765
101 PARKWAY EAST
PELL CITY, AL 35125-
9. US EPA ID Number: ALD983167891
G. State Facility's ID:
H. Facility's Phone: 205 338-9997

11. US DOT Description (including Proper Shipping Name, Hazard Class and ID Number)	12 Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, POLYCHLORINATED BIPHENYLS, CLASS 9 UN2315, PGIII, LIQUID	016	T,P	01336	K	PCB
b. NON-PCB DIELECTRIC FLUID IN ELECTRICAL EQUIPMENT	003	TP	00286	G	
c. PCB CONTAMINATED FLUID IN ELECTRICAL EQUIPMENT	002	TP	00572	K	PCB
d.					

J. Additional Descriptions for Materials Listed Above
a. PCB CONTAMINATED FLUID IN ELECTRICAL EQUIPMENT
b. NON-PCB DIELECTRIC FLUID IN ELECTRICAL EQUIPMENT
c. PCB ELECTRICAL EQUIPMENT CONTAINING >499 PPM PCB'S

K. Handling Codes for Wastes Listed Above
a. DK
b. DK

15. Special Handling Instructions and Additional Information
MCB EMERGENCY CONTACT: 703 640 2636 Fire Dept. MCB QUANTICO

24 HOURS EMERGENCY CONTACT: GARY WALDRON Ph: 800 626-9997

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

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

Printed/Typed Name	Signature	Month	Day	Year
RALPH S. PHIPPS	Ralph S Phipps	09	19	94

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
JACK FALCK		09	19	94

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space
16 UNITS IN ITEM 16. TESTED LESS THAN 500 PPM PCB'S. THREE (3) UNITS TESTED 1000 PPM PCB'S. TWO UNITS TESTED >500 PPM PCB'S. ITEM 15 WAS LOTED BY DRIVER. TWO (2) UNITS ON TRUCK NOT LISTED ON MANIFEST. QUANTITY CORRECTED TO ACTUAL

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

Printed/Typed Name	Signature	Month	Day	Year
DAVE A. ROBERSON	Dave A. Roberson	09	20	94

ETQ Vs (Manufactured by Ad American Labelmark Co., Chicago, IL 60648 (800) 621-5808)

Form: 17

TCI INC - Detail Pickup List of Items
Addendum to Manifest Doc 41242

Date: 09/16/94
Page: 2 of 3

Generator: ROICC US EPA ID: VA1170024722

Itm Nbr	Gen Ref Nbr	Serial Nbr	Qty	Type	Size	PCB PPM	Removed From Srv	Est GAL	Est Wt LBS
20 → 001	001	ESNA/10015	1	POLE MT.	75	103 ~~499~~	08/29/94	~~40~~ 54	900
~~002~~	~~002~~		~~1~~	~~POLE MT.~~	~~75~~	~~499~~	~~08/29/94~~	~~40~~	~~900~~
~~003~~	~~003~~		~~1~~	~~POLE MT.~~	~~75~~	~~499~~	~~08/29/94~~	~~40~~	~~900~~
~~004~~	~~004~~		~~1~~	~~POLE MT.~~	~~75~~	~~499~~	~~08/29/94~~	~~40~~	~~900~~
~~005~~	~~005~~		~~1~~	~~POLE MT.~~	~~75~~	~~499~~	~~08/29/94~~	~~40~~	~~900~~
18 → 006	006	D342944E5E?	1	POLE MT.	50	103 ~~499~~	08/29/94	~~35~~ 45	788
19 → 007	007	14[illegible]925	1	POLE MT.	50	12 ~~499~~	08/29/94	~~35~~ 4C	788
~~008~~	~~008~~		~~1~~	~~POLE MT.~~	~~50~~	~~499~~	~~08/29/94~~	~~35~~	~~788~~
~~009~~	~~009~~		~~1~~	~~POLE MT.~~	~~50~~	~~499~~	~~08/29/94~~	~~35~~	~~788~~
~~010~~	~~010~~		~~1~~	~~POLE MT.~~	~~50~~	~~499~~	~~08/29/94~~	~~35~~	~~788~~
~~011~~	~~011~~		~~1~~	~~POLE MT.~~	~~50~~	~~499~~	~~08/29/94~~	~~35~~	~~788~~
~~012~~	~~012~~		~~1~~	~~POLE MT.~~	~~50~~	~~499~~	~~08/29/94~~	~~35~~	~~788~~
~~013~~	~~013~~		~~1~~	~~POLE MT.~~	~~50~~	~~499~~	~~08/29/94~~	~~35~~	~~788~~
~~014~~	~~014~~		~~1~~	~~POLE MT.~~	~~50~~	~~499~~	~~08/29/94~~	~~35~~	~~788~~
~~015~~	~~015~~		~~1~~	~~POLE MT.~~	~~50~~	~~499~~	~~08/29/94~~	~~35~~	~~788~~
~~016~~	~~016~~		~~1~~	~~POLE MT.~~	~~50~~	~~499~~	~~08/29/94~~	~~35~~	~~788~~
~~017~~	~~017~~		~~1~~	~~POLE MT.~~	~~50~~	~~499~~	~~08/29/94~~	~~35~~	~~788~~
~~018~~	~~018~~		~~1~~	~~POLE MT.~~	~~50~~	~~499~~	~~08/29/94~~	~~35~~	~~788~~
~~019~~	~~019~~		~~1~~	~~POLE MT.~~	~~50~~	~~499~~	~~08/29/94~~	~~35~~	~~788~~
~~020~~	~~020~~		~~1~~	~~POLE MT.~~	~~50~~	~~499~~	~~08/29/94~~	~~35~~	~~788~~
8 → 021	021	B44965/	1	POLE MT.	25	139 ~~499~~	08/29/94	~~20~~ 26	450
14 → 022	022	1333229	1	POLE MT.	25	69 ~~499~~	08/29/94	~~20~~ 26	450
10 → 023	023	756151/	1	POLE MT.	25	824 ~~499~~	08/29/94	~~20~~ 21	~~450~~ 504
16 → 024	024	B743106	1	POLE MT.	25	151 ~~499~~	08/29/94	~~20~~ 26	450

Jack Rankin
09 19 94

Ralph A Phipps 09/19/94

PR/

1:1861 5ppm 8/29/94 12 Gal

17 → 603823 >5000ppm 8/29/94 28 Gal 1437 Lbs.

TRANS-CYCLE INDUSTRIES INC.
P.O. BOX 765 • 101 PARKWAY EAST • COGSWELL INDUSTRIAL PARK • PELL CITY, ALABAMA 35125
PHONE (205) 338-9997 • FAX (205) 338-9979

Form: 12

TCI INC - Detail Pickup List of Items
Addendum to Manifest Doc 41242

Date: 09/16/94
Page: 3 of 3

Generator: EOICC US EPA ID: VA1170024722

Line Nbr	Gen Ref Nbr	Serial Nbr	Qty	Type	Size	PCB PPM	Removed From Srv	Est GAL	Est Wt LBS	
~~025~~	~~025~~	~~illegible~~	~~1~~	~~POLE MT.~~	~~25~~	~~499~~	~~08/29/94~~	~~20~~	~~450~~	NOT ON TRUCK
~~026~~	~~026~~		~~1~~	~~POLE MT.~~	~~25~~ DRV	~~499~~ DRV	~~08/29/94~~	~~20~~ DRV	~~450~~	
7 →	027	D-213125-57P	1	POLE MT.	35-5	55 ~~499~~	08/29/94	26 ~~20~~	450	
9 →	028	D213122-57P	1	POLE MT.	37	55 ~~499~~	08/29/94	32 ~~25~~	563	
15 →	029	D 338963-58P	1	POLE MT.	37	190 ~~499~~	08/29/94	32 ~~25~~	563	
3 →	030	D 338962-58P	1	POLE MT.	37	190 ~~499~~	08/29/94	32 ~~25~~	563	
11 →	031	D 213123-57P	1	POLE MT.	35	59 ~~499~~	08/29/94	15 ~~12~~	270	
5 →	032	7913564	1	POLE MT.	35	55 ~~499~~	08/29/94	15 ~~12~~	270	
1 →	033	8370649	1	POLE MT.	15	23 ~~499~~	08/29/94	17 ~~12~~	270	
2 →	034	B700175	1	POLE MT.	15	190 ~~499~~	08/29/94	15 ~~12~~	270	
4 →	035	9258126	1	POLE MT.	15	280 ~~499~~	08/29/94	16 ~~12~~	270	
7 →	036	B700173	1	POLE MT.	15	205 ~~499~~	08/29/94	15 ~~12~~	270	
~~037~~	~~037~~		~~1~~	~~POLE MT.~~	~~15~~	~~499~~	~~08/29/94~~	~~12~~	~~270~~	
2 →	038	6369866	1	POLE MT.	10	280 ~~499~~	08/29/94	9 ~~7~~	158	
~~039~~	~~039~~		~~1~~	~~POLE MT.~~	~~5~~	~~499~~	~~08/29/94~~	~~7~~	~~158~~	
~~040~~	~~040~~		~~1~~	~~POLE MT.~~	~~5~~	~~499~~	~~08/29/94~~	~~7~~	~~158~~	
~~041~~	~~041~~		~~1~~	~~POLE MT.~~	~~5~~	~~499~~	~~08/29/94~~	~~7~~	~~158~~	
~~042~~	~~042~~		~~1~~	~~POLE MT.~~	~~5~~	~~499~~	~~08/29/94~~	~~7~~	~~158~~	
6 →	043	6263869	1	POLE MT.	35	119 ~~499~~	08/29/94	9 ~~7~~	158	

CELTP >TOTAL Qty: 43 >TOTALS: 1066 23997
PCB CONTAMINATED FLUID IN ELECTRICAL

Driver Signature [signature] Date 09 1994

Generator Signature [signature] Date 09 1994

(5)

PCB - 5

Aptus, Inc
Environmental Services

P O Box 1328
Colleyville KS 67337
(316) 251 6380

APTUS

October 14, 1994

VALERIE SMITH
QUANTICO MARINE CORPS BASE
NREA BRANCH, STE #2, CODE-46
3040 MCCASTY AVE MCB
QUANTICO, VA 22134-

RE: QUANTICO MARINE CORPS BASE
Aptus Document No. KV21D

Dear VALERIE SMITH:

Enclosed is your copy of the hazardous waste manifest, which indicates that your waste material has been received and accepted by Aptus.

Immediately following disposal of your manifested waste, you will receive a Certificate of Disposal.

We appreciate your business. If you have any questions, please contact your Facility Service Representative at 1-316-251-6380.

Pete D. Hanley, P.E.
Manager, Environmental Affairs

Enclosures

Please print or type (Form designed for use on elite (12 pitch) typewriter)

10131D

UNIFORM HAZARDOUS WASTE MANIFEST

1 Generator's US EPA ID No: VA1700024722 | Manifest Document No: ~~KET~~ | 2 Page 1 of 2 | Information in the shaded areas is not required by Federal law

3 Generator's Name and Mailing Address: NREA BRANCH CODE 46
QUANTICO MARINE CORPS, BASE
703-640-4037 MCCAWLEY AVE, SUITE 2
4 Generator's Phone ( ) QUANTICO, VA. 22134

A State Manifest Document Number:
B State Generator's ID:

5 Transporter 1 Company Name: Tri-State Motor Transit CO.
6 US EPA ID Number: M O D 0 9 5 0 3 8 9 9 8
C State Transporter's ID:
D Transporter's Phone: 417-624-3131

7 Transporter 2 Company Name:
8 US EPA ID Number:
E State Transporter's ID:
F Transporter's Phone:

9 Designated Facility Name and Site Address: Aptus, Inc.
P.O. Box 1328/Hwy. 169 North
Coffeyville, KS 67337
10 US EPA ID Number: K S D 9 8 1 5 0 6 0 2 5
G State Facility's ID:
H Facility's Phone: 316-251-6380

	11 US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12 Containers No	12 Containers Type	13 Total Quantity	14 Unit Wt/Vol	I Waste No
a	NON REGULATED MATERIAL	001	CM	00078	K	NA ~~PCB~~
b	RQ POLYCHLORINATED BIPHENYLS, 9, UN2315, PG II	001	CM	00392	K	PCB I
c						
d						

J Additional Descriptions for Materials Listed Above
A TRANSFORMER NON REGULATED.
B TRANSFORMER >500

K Handling Codes for Wastes Listed Above

15 Special Handling Instructions and Additional Information: Contract DLA20091D0020 DO# 0513
Work Order ~~#102881~~ 103495
EMERGENCY NUMBER
24HR # 703-440-2637 ERG CODE # 31

16 GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
R. GLEASON / WILLIAM B. POSEY	R Gleason / ON BEHALF OF William B Posey	09	29	94

17 Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
RONALD J. LORENZ	Ronald J. Lorenz	09	29	94

18 Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19 Discrepancy Indication Space

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

Printed/Typed Name	Signature	Month	Day	Year
GARRETT FRIDLE		10	03	94

GENERATOR / TRANSPORTER / FACILITY

Style F15 REV 6 Lawmaster An American Labelmark Co., Chicago IL 60646 (800)621-5808

EPA Form 8700-22 (Rev. 9-88) Previous editions are obsolete.

PRINTED ON RECYCLED PAPER

CONTINUATION SHEET KV210

GENERATOR NAME	MANIFEST NUMBER	PAGE
QUANTICO MARINE CORP BASE	KE~~F~~8N	2 OF 2

This continuation sheet contains the information required under 40CFR761.207 and /or 40CFR761.292
THE MANIFEST GENERAL REQUIREMENTS.

WASTE TYPE	I.D.#	DATES REMOVED FROM SERVICE FOR DISPOSAL	WEIGHT IN Kg.
6. TRANSFORMER	9A73 - 11A	6-23-94	172P 78K
TRANSFORMER	~~209820~~ - 11B	6-23-94	864P 392K

CERTIFICATION:
I certify the information listed above accurately describes all of the Waste contained on this manifest.

SIGNATURE R Hasson / ON BEHALF OF William B Hay

TITLE EPS / C.O.R. / E.P.S

DATE 9/29/94

3

* IF MORE SPACE IS NEEDED - PLEASE USE ANOTHER CONTINUATION SHEET *

(6)

CERTIFICATE OF DISPOSAL

We hereby certify that PCB item listed below, received from Head National Reseervoir Environmental AFF, BR, on Manifest Document #41242 of 09/19/94 was disposed of on the date shown below at Trans-Cycle Industries, Incorporated's facility located at 101 Parkway East, Pell City, Alabama, 35125; EPA ID #ALD983167891.

PCB ITEM NUMBER	DATE DISPOSED	DISPOSAL METHOD
1333229	02/14/95	Metals Cleaning and Recycling
603823	02/22/95	Metals Cleaning and Recycling

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

Paul E. Turner
Plant Superintendent

3/21/95
Date

TRANS-CYCLE INDUSTRIES INC.
P.O. BOX 765 • 101 PARKWAY EAST • COGSWELL INDUSTRIAL PARK • PELL CITY, ALABAMA 35125
PHONE (205) 338-9997 • FAX (205) 338-9979

MAILED

3/29/95 - UPS 2nd Day

CERTIFICATE OF DISPOSAL

We hereby certify that PCB item listed below, received from Head National Reseervoir Environmental AFF. BR. on Manifest Document #41242 of 09/19/94 was disposed of on the date shown below at Trans-Cycle Industries, Incorporated's facility located at 101 Parkway East, Pell City, Alabama, 35125: EPA ID #ALD983167891

PCB ITEM NUMBER	DATE DISPOSED	DISPOSAL METHOD
1333229	02/14/95	Metals Cleaning and Recycling
603823	02/22/95	Metals Cleaning and Recycling

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

Paul E. Turner
Plant Superintendent

3/21/95
Date

TRANS-CYCLE INDUSTRIES INC.
P.O. BOX 765 • 101 PARKWAY EAST • COGSWELL INDUSTRIAL PARK • PELL CITY, ALABAMA 35125
PHONE (205) 338-9997 • FAX (205) 338-9979

941391

MAILED

5.30.95 SW

Regular Mail

CERTIFICATE OF DISPOSAL

We hereby certify that PCB items listed below, received from Head National Reserve Environmental Affairs on Manifest Document #941391 of 12/09/94 were disposed of on the date shown below at Trans-Cycle Industries, Incorporated's facility located at 101 Parkway East, Pell City, Alabama, 35125; EPA ID #ALD983167891.

PCB ITEM NUMBER	DATE DISPOSED	DISPOSAL METHOD
76V7349	04/17/95	Metals Cleaning and Recycling
7328767	04/24/95	Metals Cleaning and Recycling
7328780	05/02/95	Metals Cleaning and Recycling

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

Paul E. Turner
Plant Superintendent

5/30/95
Date

TRANS-CYCLE INDUSTRIES INC.
P O BOX 765 • 101 PARKWAY EAST • COGSWELL INDUSTRIAL PARK • PELL CITY, ALABAMA 35125
PHONE (205) 338-9997 • FAX (205) 338-9979

PRINTED ON RECYCLED PAPER

LAIDLAW ENVIRONMENTAL SERVICES (ARAGONITE), INC.

DETAIL REPORT

GENERATOR
QUANTICO MARINE CORPS BASE
NREA BRANCH, STE #2, CODE-46
3040 MCCASTY AVE MCB
QUANTICO VA 22134-
EPA # VA1170024722
PHONE: 7036404030
VALERIE SMITH
GCODE: 21166

CORRESPONDENT
DEFENSE REUTIL. & MKT.SERVICE
P.O. BOX 533
926 TAYLOR STATION ROAD
BLACKLICK OH 43004
PHONE:
G JEFFERY MIZEY
CCODE: 04521

WORKORDER # 103495
APT DOC # KV21D
CUST MANIFEST:
STATE MANIFEST:
DATE OF REPORT: 08/07/97
SALESMAN: DEPT OF DEFENSE
MOLD BACK: 0%

ITEM	PRDTYPE	CNT	DESCRIPTION	SERIAL/DRUM #	WT/LBS	LOCAT	SHIPMAN	ARRIVAL	OUT/SRVC	DESTROYD	CDSENT	DISPOSAL FACILITY
1	MDCLO	1	TRANS	9A73	170	399000		10/01/94	06/23/94	11/12/94	12/09/94	DECOMMISSION KS
2	PTRNS	1	TRANS	1209820	810	9306000	CKW41	10/01/94	06/23/94	10/31/94	12/09/94	US ECOLOGY LANDFILL - BEATTY,NV
3	PFUEL	1	TRANS	1209820	90	0000000		10/01/94	06/23/94	12/07/94	12/09/94	LAIDLAW INCINERATOR COFFEYVILLE,KS
					1070							

Nicki Bennett
703-784-4953
Copy of CD

Aptus, Inc.
Environmental Services

P.O. Box 1328
Colleyville, KS 67337
(316) 251-6380

APTUS

December 9, 1994

CERTIFICATE OF DISPOSAL

NO. 25501

QUANTICO MARINE CORPS BASE
NREA BRANCH, STE #2, CODE-46
3040 MCCASTY AVE MCB
QUANTICO, VA 22134-

A. THIS IS TO CERTIFY THAT THE HAZARDOUS SUBSTANCE MANIFESTED TO APTUS ON APTUS DOCUMENT #KV21D WAS DISPOSED OF IN ACCORDANCE WITH 40 CFR 761 (AND 40 CFR 264 IF APPLICABLE) AS OF 12/07/94. ATTACHED, IS A DETAIL REPORT WHICH IDENTIFIES THE DATE(S) OF DISPOSAL AND THE PROCESS UTILIZED FOR EACH WASTE LISTED.

B. UNDER CIVIL AND CRIMINAL PENALTIES OF LAW FOR THE MAKING OR SUBMISSION OF FALSE OR FRAUDULENT STATEMENTS OR REPRESENTATIONS (18 U.S. C. 1001 AND 15 U.S. C. 2615), I CERTIFY THAT THE INFORMATION CONTAINED IN OR ACCOMPANYING THIS DOCUMENT IS TRUE, ACCURATE AND COMPLETE. AS TO THE IDENTIFIED SECTIONS(S)(A.) OF THIS DOCUMENT FOR WHICH I CANNOT PERSONALLY VERIFY TRUTH AND ACCURACY, I CERTIFY AS THE COMPANY OFFICIAL HAVING SUPERVISORY RESPONSIBILITY FOR THE PERSONS WHO, ACTING UNDER MY DIRECT INSTRUCTIONS, MADE THE VERIFICATION THAT THIS INFORMATION IS TRUE, ACCURATE, AND COMPLETE.

APTUS
EPA ID # KSD981506025

PETER D. HANLEY, P.E.
MANAGER, ENVIRONMENTAL AFFAIRS

(7)

UNITED STATES MARINE CORPS
MARINE CORPS BASE
MARINE CORPS COMBAT DEVELOPMENT COMMAND
QUANTICO, VIRGINIA 22134-5000

IN REPLY REFER TO

6280 2
C 046
07 FEB 1996

PCB - 7

From: Commanding General, Marine Corps Base, 3040 McCawley Avenue, Quantico, VA 22134-5053 (C 046)
To: Commanding Officer, Naval Facilities Engineering Service Center, Port Hueneme, CA 93043-4328

Subj: CALENDAR YEAR (CY) 1995 POLYCHLORINATED BIPHENYLS (PCB) INVENTORY UPDATE

Ref: (a) MCO P5090.2
(b) CO, NFESC ltr 5090 Ser 423/3002 of 2 Jan 96

Encl: (1) CY 1995 PCB Inventory Data Diskette
(2) CY 1994 PCB Inventory Forms (Revised)

1. In accordance with references (a) and (b), enclosures (1) and (2) are submitted.

2. If you have any questions or require additional information, please contact Mr. Ralph Phipps at (703) 784-4030.

Bruce C. Frizzell
BRUCE C. FRIZZELL
By direction

Copy to:
CMC (LFL) (w/o encl (1))

UIC: M00264
CONTACT: Ralph Phipps, Head, Environmental Affairs
COM: (703) 784-4030
DSN: 278-4030 FAX: (703) 784-4053

UIC	IDNUMB	ADD	DEL	QUA	CONT	TYPE	CON	GE500	TESTPM	TKVA	KG	GALLON	CUBICF
M00264	262180	A		1	O	L		T	1950		11	2	0.3
M00264	B488436	A		1	T	L		T	380000	10	71.5	13	1.7
M00264	B488496	A		1	T	L		T	360000	15	93.5	17	2.3
M00264	F688954			1	T	L		F	132	300	850	154 6	20.7

UIC M00264
CONTACT: Ralph Phipps, Head, Environmental Affairs
COM: (703) 784-4030
DSN. 278-4030 FAX: (703) 784-4053

IC	IDNUMBER	LOCATION	REG_PROG	RESPUIC	REPLCOST	ANTREMDAT	FUNDING	PRIORITY
100264	262180	IC	RF	M00264		060196	M	M
100264	B488436	NA	RF	M00264	10	081895	M	M
100264	B488496	NA	RF	M00264	10	081895	M	M
100264	F688954	NC	RF	M00264	10	083094	M	M

JIC: M00264
CONTACT: Ralph Phipps, Head, Environmental Affairs
COM (703) 784-4030
DSN: 278-4030 FAX:(703) 784-4053

IC	IDNUMBER	STATUS	REMOVE	STORAG	DTHAULER	DRMO	MANIFEST	CO	RETROF	DATERETR	ERRED
M00264	262180	S		110195							
M00264	B488436	D	071495	071495	081895		50565	4			
M00264	B488496	D	071495	071495	081895		50565	4			
M00264	F688954	D	040795	040795	040795		50154	4			

1995 PCB INVENTORY

COMPANY CODE	DISPOSAL COMPANY	
1	COMPANY NAME: OWNER: ADDRESS:	APTUS. INC P.O. BOX 1328 HWY 169 NORTH COFFEYVILLE. KS 67337
2.	COMPANY NAME: OWNER: ADDRESS	S.D. MEYERS, INC. 180 SOUTH AVENUE TALLMMADGE, OH 44278
3.	COMPANY NAME: OWNER: ADDRESS:	USPCI, GRAYBACK MTN. FACILITY 180 WEST, EXIT 41, 3 MILES EAST, NORTH OF CLIVE, UT
4.	COMPANY NAME: OWNER: ADDRESS:	TRANS-CYCLE INDUSTRIES INC. P.O. BOX 765 101 PARKWAY EAST PELL CITY, AL 35125

(C) W/O# 619665
TRL# 548042

Please print or type (Form designed for use on elite (12-pitch) typewriter)

Form Approved OMB No 2050-0039 Expires 9 30 96

UNIFORM HAZARDOUS WASTE MANIFEST

1 Generator's US EPA ID No: VA1170024722 | Manifest Document No: 50565 | 2 Page 1 of 1 | Information in the shaded areas is not required by Federal law

GENERATOR

3 Generator's Name and Mailing Address
HEAD NAT. RES. ENVIR. AFFAIRS
QUANTICO, VA 22134-5053
3040 MCLAWLEY AVENUE
Cnt: RALPH PHIPPS

4. Generator's Phone (703) 640-4030 Ext:

A. State Manifest Document Number:
B. State Generator's ID:

5. Transporter 1 Company Name: ~~ROBBIE D. WOOD Tr. Inc.~~ (illegible)
6. US EPA ID Number: (illegible)
C. State Transporter's ID: (illegible)
D. Transporter's Phone: ~~205-744-9440~~

7. Transporter 2 Company Name: TRISTATE MOTOR TRANSIT CO.
8. US EPA ID Number: MOD095038998
E. State Transporter's ID:
F. Transporter's Phone: 1-800-234-8769

9. Designated Facility Name and Site Address
TRANS-CYCLE INDUSTRIES, INC. P.O. BOX 765
101 PARKWAY EAST
PELL CITY, AL 35125-
10. US EPA ID Number: ALD983167891
G. State Facility's ID:
H. Facility's Phone: 205 338-9997

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	HM	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, POLYCHLORINATED BIPHENYLS, CLASS 9 UN2315, PGIII, LIQUID		2	T P	450 ~~130~~	K	PCB2
b.						
c.						
d.						

J. Additional Descriptions for Materials Listed Above
a. ~~PCB CONTAMINATED FLUID IN~~ ELECTRICAL EQUIPMENT
Containing 7499 ppm PCBs. ERG#31

K. Handling Codes for Wastes Listed Above
a.

15. Special Handling Instructions and Additional Information
Emergency Contact MCB Quantico VA Fire Dept 703-784-2636
24 HOURS EMERGENCY CONTACT: GARY WALDRON Ph: 800 626-9997

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

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

Printed/Typed Name: R A GLEASON | Signature: R A Gleason | Month Day Year: 10 18 1 8 9 5

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: DAVE Valdez | Signature: (signature) | Month Day Year: 10 18 1 8 9 5

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: | Signature: | Month Day Year:

FACILITY

19. Discrepancy Indication Space
Corrected PCB Content To Actual

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19
Printed/Typed Name: Philip R. Jenkins Sr | Signature: (signature) | Month Day Year: 10 21 9 6

Style F15 REV-6 Labelmaster, An American Labelmark Co., Chicago, IL 60648 (800)621-5808

EPA Form 8700-22 (Rev. 9-88) Previous editions are obsolete

Form:

TCI INC - Detail Pickup List of Items
Addendum to Manifest Doc 50565

Date: 08/15/95
Page: 2

Generator: HEAD NAT. RES. ENVIR. AFFAIRS

US EPA ID: VA1170024722

Item Nbr	Gen Ref Nbr	Serial Nbr	Qty	Type	Size	PCB PPM	Removed From Srv	Est GAL	Est Wt LBS
001		B 488426	1	POLE MT.	38	~~499~~ 74,000	07/14/95	~~22~~ 17	~~490~~ 580
002		B 488436	1	POLE MT.	15	~~499~~ 500,000	07/14/95	~~16~~ 13	~~360~~ 410
		TOTAL Quantity:	2				TOTALS:	38	850

02PCBL CELTP PCB CONTAMINATED FLUID IN ELECTRICAL

Driver Signature: [signature] Date: 08-18-95

Generator Signature: [signature] Date: 08-18-95

Certificate of Disposal Number 950565

460C
460D
460
462

Issued By

TRANS-CYCLE INDUSTRIES INC.
101 PARKWAY EAST
P.O. BOX 765
PELL CITY, AL 35125
PHONE (205) 338-9997 FAX (205) 338-9979

enerator: HEAD NAT. RES. ENVIR. AFFAIRS
3040 MCLAWLEY AVENUE

QUANTICO, VA 221345053
PHONE (703) 640-4030

TCI EPA ID #: ALD983167891
Manifest Doc: 50565
TCI Load #: 950565
of: 08/18/95

We hereby certify that the following PCB items were disposed of as the date(s) shown below:

Item Number	Qty	Description	Disposed	Disposal Method
488496	1	POLE MOUNT TRAN	09/22/95	METALS CLEANING AND RECYCLING
38436	1	POLE MOUNT TRAN	09/22/95	METALS CLEANING AND RECYCLING

nder civil and criminal penalties of law for the making or submission of alse or fraudulent statements or representations (18 U.S.C. 1001 and 5 U.S.C. 2615), I certify that the information contained in or accompanying .s document is true, accurate, and complete. As to the identified ection(s) of this document for which I cannot personally verify truth and ccuracy, I certify as the company official having supervisory esponsibility for the persons who, acting under my direct instructions, ade the verification that this information is true, accurate, and complete.

Paul Turner

Paul E. Turner
Plant Superintendent

10/02/95
Date

Table 3. 1997-1998 CHECKOUT SCHEDULE FOR [1]WATERFOWL BLIND AND [2]DOVE FIELD ASSIGNMENTS	
AT 1130, HUNTERS IN LINE WILL BE SERVED IN THE FOLLOWING ORDER:	PERMIT QUOTA ELIGIBILITY
(1) GREEN with [3]CVP Card	Green
(2) GREEN	Green
(3) BLUE with CVP Card	Blue & Green
(4) BLUE	Blue & Green
(5) BROWN with CVP Card	Brown, Green & Blue
(6) BROWN	All Remaining Permits
(7) First-Come First-Served	All Remaining Permits
(8) AT 1145, telephone reservations will be accepted first-come first-served.	All Remaining Permits

[1] A calendar will be published prior to the season that designates for each hunting day which waterfowl blinds are coded GREEN, BLUE or BROWN for early checkout purposes. The color designation of the blinds will be rotated on a systematic basis. Due to the limited number of blinds, a hunter may reserve or pick up only one blind during early checkout. To encourage equal access to blinds, a hunter may not reserve the same blind during early checkout on two consecutive days.

[2] Dove field assignments will only be made on the hunting day on 1 September 1997.

[3] MCB Conservation Volunteer Program Card

Disposal Summary #950565

Issued By

TRANS-CYCLE INDUSTRIES INC.
101 PARKWAY EAST
P.O. BOX 765
PELL CITY, AL 35125
PHONE (205) 338-9997 FAX (205) 338-9979

Created: HEAD NAT. RES. ENVIR. AFFAIRS
3040 MCCAWLEY AVENUE

QUANTICO, VA 221345053
PHONE (703) 640-4030

TCI EPA ID #: ALD983167891
Manifest Doc: 50565
TCI Load #: 950565
of: 08/18/95

In accordance with our agreement to provide PCB disposal services, we hereby certify the completion of all items picked up on the above listed manifest. Summary of the disposition is as follow:

Qty	Item Description	Disposal Method	Completed
2	TP s cE PCB ELECTRICAL EQUIPMENT	METALS CLEANING AND RECYCLING	09/22/95
	FLUID FROM ABOVE	PCB INCINERATION Shipped on Manifest #95173, 09/25/95 To CHEMICAL WASTE MANAGEMENT, INC	09/30/95

Certification:

Cindy H. Stewart
Office Manager

10/28/95
Date

Form: 52

Disposal Summary #950565

Issued By

TRANS-CYCLE INDUSTRIES INC.
101 PARKWAY EAST
P.O. BOX 765
PELL CITY, AL 35125
PHONE (205) 338-9997 FAX (205) 338-9979

Generator: HEAD NAT. RES. ENVIR. AFFAIRS
3040 MCLAWLEY AVENUE

QUANTICO, VA 221345053
PHONE (703) 640-4030

TCI EPA ID #: ALD983167891
Manifest Doc: 50565
TCI Load #: 950565
of: 08/18/95

In accordance with our agreement to provide PCB disposal services, we hereby certify the completion of all items picked up on the above listed manifest. A summary of the disposition is as follow:

Qty	Item Description	Disposal Method	Completed
2	TP's of PCB ELECTRICAL EQUIPMENT	METALS CLEANING AND RECYCLING	09/22/95
	FLUID FROM ABOVE	PCB INCINERATION Shipped on Manifest #95173, 09/25/95 To CHEMICAL WASTE MANAGEMENT, INC	09/30/95

Certification: Cindy H. Stewart 10/28/95

Cindy H. Stewart
Office Manager

Date

Certificate of Disposal Number 950565

Issued By

TRANS-CYCLE INDUSTRIES INC.
101 PARKWAY EAST
P.O. BOX 765
PELL CITY, AL 35125
PHONE (205) 338-9997 FAX (205) 338-9979

460C
460D
460
462

...erator: HEAD NAT. RES. ENVIR. AFFAIRS
3040 MCLAWLEY AVENUE

QUANTICO, VA 221345053
PHONE (703) 640-4030

TCI EPA ID #: ALD983167891
Manifest Doc: 50565
TCI Load #: 950565
of: 08/18/95

...e hereby certify that the following PCB items were disposed of as the date(s) shown below:

Item Number	Qty	Description	Disposed	Disposal Method
...8496	1	POLE MOUNT TRAN	09/22/95	METALS CLEANING AND RECYCLING
...88436	1	POLE MOUNT TRAN	09/22/95	METALS CLEANING AND RECYCLING

...der civil and criminal penalties of law for the making or submission of ...alse or fraudulent statements or representations (18 U.S.C. 1001 and ... U.S.C. 2615), I certify that the information contained in or accompanying ...is document is true, accurate, and complete. As to the identified ...ection(s) of this document for which I cannot personally verify truth and ...ccuracy, I certify as the company official having supervisory ...esponsibility for the persons who, acting under my direct instructions, ...ade the verification that this information is true, accurate, and complete.

Paul Turner

Paul E. Turner
Plant Superintendent

10/02/95
Date

(7)

PRINTED ON RECYCLED PAPER USING SOYINK
AMERICAN LABEL MARK CO. — CHICAGO IL 60646

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

Form Approved OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No: V A 1 1 7 0 0 2 4 7 2 2 | Manifest Document No: 2 5 0 1 5 | 2. Page 1 of | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: HEAD NAT. RES. ENVIR. AFFAIRS, QUANTICO, VA 22134-5053 — 3040 MCLAWLEY AVENUE — Cnt: RALPH PHIPPS — Generator's Phone (703) 640-4030 Ext:

A. State Manifest Document Number:

B. State Generator's ID:

4. Transporter 1 Company Name: [illegible]TATE MOTOR TRANSIT | 6. US EPA ID Number: M O D 0 9 5 0 3 8 9 9 8 | C. State Transporter's ID | D. Transporter's Phone

5. Transporter 2 Company Name | 8. US EPA ID Number | E. State Transporter's ID | F. Transporter's Phone

9. Designated Facility Name and Site Address: -CYCLE INDUSTRIES, INC. P.O. BOX 765 / [illegible]RKWAY EAST / [illegible]ITY, AL 35125- | 10. US EPA ID Number: A L D 9 8 3 1 6 7 8 9 1 | G. State Facility's ID | H. Facility's Phone: 205 [illegible]

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
), POLYCHLORINATED BIPHENYLS, CLASS 9 12315, PGIII, LIQUID	1	T P	6 0 7	K	

J. Additional Descriptions for Materials Listed Above:
a. PCB CONTAMINATED FLUID IN ELECTRICAL EQUIPMENT

K. Handling Codes for Wastes Listed Above:
a.

15. Special Handling Instructions and Additional Information:
Emergency Contact MCCOC Quantico, VA Fire Dept 703-784-2636

24 HOURS EMERGENCY CONTACT: GARY WALDRON Ph: 800 626-9997

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

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

Printed/Typed Name	Signature	Month	Day	Year
Bhasker K Thaker	BK Thaker	0 6	0 7	9 5

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
William F Kyle JR	William F Kyle	0 6	0 9	9 5

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Bhasker K Thaker (BKT)	BKT			

FACILITY

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Month	Day	Year

FAX TRANSMITTAL

To: Robert Bryan Dept/Agency: EE-4933 Fax #:
From: George Chukwueke Phone #: Fax #:
# of pages ▶ 2

GENERAL SERVICES ADMINISTRATION 5099-101 NSN 7540-01-317-7388

OPTIONAL FORM (7-90)

Form: 12

TCI INC - Retail Pickup List of Items
Addendum to Manifest Doc 50184

Page

Generator: HEAD NAT. RES. ENVIR. AFFAIRS

US EPA ID: [illegible]

Item Nbr	Gen Ref Nbr	Serial Nbr	Qty	Type	Size	PCB PPM	Removed From Dtv	Est GAL
001		F688954	1	TRANSFRM	300	132	04/07/88	132
		>TOTAL Quantity:	1				>TOTAL:	132
CELTP		PCB CONTAMINATED FLUID IN ELECTRICAL						

Driver Signature: William F Kelly Date:

Generator Signature: [signature] Date: Apr 12, 1988

950154

Form: 52

Disposal Summary #950154

Issued By

TRANS-CYCLE INDUSTRIES INC.
101 PARKWAY EAST
P.O. BOX 765
PELL CITY, AL 35125
PHONE (205) 338-9997 FAX (205) 338-9979

Generator: HEAD NAT. RES. ENVIR. AFFAIRS
3040 MCLAWLEY AVENUE

QUANTICO, VA 221345053
PHONE (703) 640-4030

TCI EPA ID #: ALD983167891
Manifest Doc: 50154
TCI Load #: 950154
of: 04/07/95

In accordance with our agreement to provide PCB disposal services, we hereby certify the completion of all items picked up on the above listed manifest. A summary of the disposition is as follow:

Qty	Item Description	Disposal Method	Completed
1	TP of PCB-CONT ELECTRICAL EQUIPMENT	METALS CLEANING AND RECYCLING	04/28/95
	FLUID FROM ABOVE	PCB INCINERATION Shipped on Manifest #95077, 05/15/95 To APTUS	06/17/95

Certification: Cindy H. Stewart 08/04/95

Cindy H. Stewart
Office Manager

Date

(10)

UNITED STATES MARI[illegible] CORPS
MARINE CORPS I
MARINE CORPS COMBAT DEVEL[illegible]ENT COMMAND
QUANTICO, VIRGINIA 2[illegible]134-5000

IN REPLY REFER TO
6280/2
B 046
08 JAN 1997

PCB - 10

From: Commanding General, Marine Corps Base, 3040 McCawley Avenue, Quantico, VA 22134-5053 (B 046)
To: Commanding Officer, Naval Facilities Engineering Service Center, Port Hueneme, CA 93043-4328

Subj: CALENDAR YEAR (CY) 1996 POLYCHLORINATED BIPHENYLS PCB INVENTORY UPDATE

Ref: a) MCO P5090.2
b) CO, NFESC ltr 5090 Ser 426/4021 of 11 Oct 1996

Encl: (1) CY 1996 PCB Inventory Data Diskette
(2) CY 1995 PCB Inventory Forms (Revised

1. In accordance with references (a) and (b), enclosures (1) and (2) are submitted.

2. If you have any questions or require additional information, please contact Mr. Ralph Phipps at (703) 784-4030.

Bruce C. Frizzell
BRUCE C. FRIZZELL
By direction

Copy to:
CMC (LFL) (w/o encl (1))

UIC: M00264
CONTACT: Ralph Phipps, Head, Environmental Affairs
COM: (703) 784-4030
DSN: 278-4030 FAX: (703) 784-4053

UIC	IDNUMB	ADD	DEL	QUA	CONT	TYPE	CON	GE500	TESTPM	TKVA	KG	GALLON	CUBICF
M00264	262180			1	O	L			1950		11	2	0.3

JIC: M00264
CONTACT: Ralph Phipps, Head, Environmental Affairs
COM (703) 784-4030
DSN 278-4030 FAX: (703) 784-4053

IC	IDNUMBER	LOCATION	REG_PROG	RESPUIC	REPLCOST	ANTREMDAT	FUNDING	PRIORITY
M00264	262180	IC	RF	M00264		060196	M	M

UIC M00264
CONTACT: Ralph Phipps, Head, Environmental Affairs
COM (703) 784 4030
DSN 278-4030 FAX.(703) 784-4053

IIC	IDNUMBER	STATUS	REMOVE	STORAG	DTHAULER	DRMO	MANIFEST	CO	RETROF	DATERETR	ERRED
M00264	262180	D	110195	110195	050696		32271	1			

1996 PCB INVENTORY

COMPANY CODE DISPOSAL COMPANY

COMPANY NAME: PPM INC.
OWNER:
ADDRESS: 4108 WHITAKER AVENUE PHILADELPHIA PA 19124

P O Box 8550
Harrisburg, PA 17105-8550
OFFICIAL PENNSYLVANIA MANIFEST FORM

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No: VA 1 7 0 0 2 4 7 2 2 | 3 2 7 1
2. Page 1 of 1 — Information within the blue borders is not required by Federal law but may be required by State law

3. Generator's Name and Mailing Address
DOD NATURAL RESOURCES ENVIRONMENTAL AFFAIRS BRANCH
3040 McCAWLEY AVENUE - FACILITIES BRANCH
QUANTICO, VA 22134-5053 2637
24 HR # 1-703-784-4630 DO

A. State Manifest Document Number: PAE 5132271
B. State Gen. ID:

5. Transporter 1 Company Name: HAZMAT ENVIRONMENTAL GROUP INC
6. US EPA ID Number: V A D 9 8 0 7 6 9 9 4 7
C. State Trans. ID: PA-AH0315

7. Transporter 2 Company Name:
8. US EPA ID Number:
D. Transporter's Phone: (716) 827-7200

9. Designated Facility Name and Site Address
PPM INC.
4105 WHITAKER AVENUE
PHILADELPHIA, PA 19124
10. US EPA ID Number: P A D 9 8 1 1 1 3 7 4 9
E. State Trans ID: PA-AH
F. Transporter's Phone: ( )
G. State Facility's ID:
H. Facility's Phone: (215) 475-5144

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No
a. RQ, POLYCHLORINATED BIPHENYLS, 9, UN2315, PG III	001	DM DE	00002	K	
b. RQ, POLYCHLORINATED BIPHENYLS MIXTURE, 9, UN2315, PG III	001	DM	00135 ~~00030~~	K	
c. RQ, POLYCHLORINATED BIPHENYLS, 9, UN2315, PG III	001	DM	00030	K	
d. RQ, POLYCHLORINATED BIPHENYLS, 9, UN2315, PG III	001	CM	01727	K	

J. Additional Descriptions for Materials Listed Above

Lab Pack	Physical State		Lab Pack	Physical State	
a.	L	PCB TEST KITS	c.	L	PCB OIL
b.	S	DEBRIS	d.	S	DRAINED ARTICLE

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

15. Special Handling Instructions and Additional Information: DIKE AND CONTAIN IN CASE OF SPILL "ERG-31"
SEE CONTINUATION SHEET FOR UNIQUE I.D.'S AND OUT OF SERVICE DATES.
DRMS-SP4400960001-D ~~0~~ #0090/0102

24 HOUR EMERGENCY #(800) 535-5053

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
DWAINE O'BRIEN Vice President	Dwaine O'Brien	05	06	96

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
[illegible]	[illegible]	05	10	[illegible]

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space
REJECTED TO ALTERNATE TSDF FACILITY: TRANSCORE - 1672 HIGHLANDS ROAD TWINSBURG, OH 44087
Recd 1a 2Kg, 1b. 125 Kg, 1c 30 Kg, 1d. 1727 Kg OHD986975399 (800)995-9762

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

Printed/Typed Name	Signature	Month	Day	Year
Cathy Hamilton	Cathy Hamilton	05	13	96

Form 8700-22 (Rev. 9/88) Previous editions are obsolete

PAE 5132271

5

Copy 5 - TSD Facility - Mail to Generator

(11)

DEPARTMENT OF THE NAVY

NAVAL FACILITIES ENGINEERING SERVICE CENTER
1100 23RD AVE
PORT HUENEME CA 93043-4370

IN REPLY REFER TO:
5090
Ser 426/4021
10 Oct 1996

PCB - 11

From. Commanding Officer, Naval Facilities Engineering Service Center, Port Hueneme

Subj: CY96 POLYCHLORINATED BIPHENYL INVENTORY STATUS

Ref: (a) OPNAVINST 5090.1B (NOTAL)
(b) MCO P5090.2 (NOTAL)

Encl: (1) PCB Reporting Information
(2) Calendar Year 96 Polychlorinated Biphenyl (PCB) Annual Inventory Guide, UG-2021-ENV, September 1996 (NOTAL)
(3) Your CY95 PCB Inventory Printout with Instructions (NOTAL)

1. Please forward your PCB inventories as required by references (a) and (b) by 1 February. We are providing enclosure (1), PCB Reporting Information as a quick reference for PCB reporting requirements. Only activities who reported CY95 PCB inventories will get enclosures (2) and (3). To assist you we have included electronic database copies of past reports for large activities.

2. Navy shore activities are required by reference (a) to report their inventories of PCB containing equipment and PCB disposal actions to their major claimant by 1 February 1997. Reference (b) requires Marine Corps installations to report their inventories to us with a copy to Headquarters Marine Corps. If you reported a CY96 PCB inventory, please complete enclosure (2) or mark up and return enclosure (3) to your major claimant or us, as appropriate, by 1 February 1997.

3. You are not required to submit a negative response if you remain PCB-free. We will consider your activity PCB-free if you reported PCB-free for CY95. If you discover PCB items or had a PCB disposal action, please contact us for PCB inventory forms.

4. Our contacts are Wallace Eakes, ESC 426 at (805) 982-4882, DSN 551-4882, or e-mail eakes@nfesc.navy.mil, and Tracey Jordan, ESC-424 at (805) 982-5309, DSN 551-5309, or e-mail tjordan@nfesc.navy.mil. Our FAX number is (805) 982-4832.

PAMELA S. LATIMER
By direction

Distribution:
(See page 2)

703-784-4953
ATTN: Nicki Bennett
MC Quantico

1996 PCB INVENTORY PART 1 OF 4

IC: M00264 PAGE NO. 1

ONTACT: RALPH PHIPPS 11/01/96

OMMERICAL: 703-784-4030

SN: 278-4030

****

PLEASE VERIFY AND UPDATE THIS INFORMATION.

THIS INFORMATION MUST BE FORWARDED TO YOUR MAJOR CLAIMANT NO LATER THAN 01 FEB 97

NFESC CONTACT: Tracey Jordan, DSN 551-5309 or COMM 805-982-5309

#/LOCATION	ADD A	DEL F/E	QTY	T/C D/O	TYPE S/L	TESTED PPM	XFRMR KVA	KG	GALLONS	CUBIC FT (SOLIDS)
2180	A		1	T	L	1950		11.0	2.0	0.3

1996 PCB INVENTORY PART 2 OF 4

IC: M00264 PAGE NO. 1

ONTACT: RALPH PHIPPS 11/01/96

MMERICAL: 703-784-4030

N: 278-4030

****

PLEASE VERIFY AND UPDATE THIS INFORMATION.

THIS INFORMATION MUST BE FORWARDED TO YOUR MAJOR CLAIMANT NO LATER THAN 01 FEB 97

NFESC CONTACT: Tracey Jordan, DSN 551-5309 or COMM 805-982-5309

#/LOCATION	REG/ LOCAT CODE	PROJ CODE	DISP COST ($000)	RESPON. UIC	ANTICIPTD REMOVAL DATE	FUNDING SOURCE	PRIORITY
2180	IN	RF			060196	M	M

1996 PCB INVENTORY PART 3 OF 4

IC: M00264 PAGE NO. 1
ONTACT: RALPH PHIPPS 11/01/96
MMERICAL: 703-784-4030
N: 278-4030
****

PLEASE VERIFY AND UPDATE THIS INFORMATION.
THIS INFORMATION MUST BE FORWARDED TO YOUR MAJOR CLAIMANT NO LATER THAN 01 FEB 97
NFESC CONTACT: Tracey Jordan, DSN 551-5309 or COMM 805-982-5309

#/LOCATION	STATUS	DATE REMOVED	DATE STORED	DATE HAULED	MANIFEST NUMBER	COMPANY CODE	RETROFILLED Y/N	RETROFILLED DATE
-2180	S	110195	110195					

(12)

LAIDLAW ENVIRONMENTAL SERVICES

FAX TRANSMISSION

Mission Statement

As leaders in the environmental services industry, we continually make life easier and healthier for our customers and the communities we serve by providing practical solutions to their needs which results in enhanced shareholder value.

Household Hazardous Waste

Resource Recovery

Site Remediation

Lab Pack Services

Transportation

Incineration

Wastewater Treatment

Secure Landfills

Biological Treatment

Government Services

To: Nikki Bennett

Company: MARINE CORPS STATION, QUANTICO, VA

From: SANDY DRZEWIECKI (GOV'T SERVICES)
SAUKVILLE, WI

Page: 1 of 7 **Date/Time:** 08/08/97 11:25 AM

Comments:

Following this cover are the certificates of disposal for manifest #32271. Please call me with any questions.

If you do not receive the pages as specified, please call: 414-268-6723.

FAX REPLY TO:

Main 414-268-6781 **Bidding 414-268-6782**

USPCI
A CHEMICAL WASTE MANAGEMENT COMPANY

32271-F
B

January 13, 1997

TO GB 96107-1

Head Nat'l Res. D.O. # 90,102
3040 McCawley Avenue
Quantico, VA 22134
Attn: Environmental Department

RE: PPM, Inc. Job Control Number: 96-0283

Dear Sirs:

This is to inform you that the following material received from your company on manifest number VA1170024722/32271 was properly placed in a chemical waste landfill on 06/04/96 at U.S.P.C.I. - Grayback Mountain facility located in Clive, Utah according to all of the Federal regulations contained in 40 CFR PART 761 and all appropriate State and Local regulations.

GENERATOR	DESCRIPTION OF MATERIAL
Head Nat'l Res.	2 drums PCB debris *See Attached*

If you have any questions concerning the disposal of your material, please feel free to contact me in our Twinsburg, Ohio operations office at (216) 425-3825.

Sincerely,

PPM, Inc.

Cathy Hamilton

Cathy Hamilton
Records Administrator

PPM, Inc. of Georgia
(Transcore)
1672 E. Highland Road Twinsburg, Ohio 44087
Phone 216.425.3825 Fax 216.487.5784

PPM JOB # 0283 VA1170024722/32271
HEAD NAT'L RES. DO # 90/102
3040 MCCAWLEY AVE, QUANTICO, VA 22134-5063

OUR NO	MAT TYPE	GEN ID NO	POUNDS	KGS	DRFS DATE	SERIAL NO	DISP DATE
05561-6	D	90-1	4.00	1.82	3/12/96		6/ 4/96
05562-6	D	102-1	275.00	125.00	4/19/96		6/ 4/96

USPCI
A WASTE MANAGEMENT COMPANY

32271-C

April 5, 1997

Head National Resource DO # 90/102
3040 McCawley Avenue
Quantico, VA 22134-5053
Attn: Env. Department

to PPM-PA
96130-A

RE: PPM, Inc. Job Control Number: 96-0283

Dear Sirs:

This is to inform you that the following material received from your company on manifest number VA1170024722/32271 was properly decontaminated to less than 2 ppm on 07/03/96 at PPM, Inc. - Philadelphia Facility located in Philadelphia, Pennsylvania according to all of the Federal regulations contained in 40 CFR PART 761 and all appropriate State and Local regulations.

GENERATOR	DESCRIPTION OF MATERIAL
Head National	1 drum PCB oil *See Attached*

If you have any questions concerning the disposal of your material, please feel free to contact me in our Twinsburg, Ohio operations office at (216) 425-3825.

Sincerely,

PPM, Inc.

Cathy Hamilton

Cathy Hamilton
Records Administrator

PPM, Inc. of Georgia
(Transcore)
1672 E. Highland Road Twinsburg, Ohio 44087

JOB NUMBER 0283 HEAD NAT'L RES. DO # 90/102
3040 MCCAWLEY AVE, QUANTICO, VA 22134-5053 VA1170024722/32271 7/ 3/98

MAT TYPE	OUR NO	GEN ID NO	POUNDS	KGS	SERIAL NO	PCB LEVEL
O	05563-6	102-2	67.00	30.45		328

USPCI
A WASTE MANAGEMENT COMPANY

32271-D

August 20, 1996

to GB# 96108-A

Head Natural Resources Env. Affairs Branch
3040 McCawley Ave-Facilities Branch
Quantico, VA 22134-5053
Attn: Dwaine O-Barr

RE: PPM, Inc. Job Control Number: 96-0283 DO #90/102

Dear Sirs:

This is to inform you that the following material received from your company on manifest number VA1170024722/32271 was properly placed in a chemical waste landfill on 06/04/96 at U.S.P.C.I. - Grayback Mountain facility located in Clive, Utah according to all of the Federal regulations contained in 40 CFR PART 761 and all appropriate State and Local regulations.

GENERATOR	DESCRIPTION OF MATERIAL
Head Natural Resources	1 drained PCB article >500 ppm *See Attached*

If you have any questions concerning the disposal of your material, please feel free to contact me in our Twinsburg, Ohio operations office at (216) 425-3825.

Sincerely,

PPM, Inc.
Cathy Hamilton

Cathy Hamilton
Records Administrator

PPM, Inc of Georgia
(Transcore)
1672 E. Highland Road Twinsburg, Ohio 44087
Phone 216 425-3825 Fax 216 487-5784

CONTAINER	MATERIAL	PPM ID NO	GENERATOR ID NO	POUNDS	KILOGRAMS	DATE REMOVED FROM SERVICE FOR DISPOSAL	MANUFACTURER	SERIAL NUMBER
B	T	05564-6	102-3	3800	1727.27	04/19/96		
				3800	1727.27			

(13)

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

(TS-798)
April 4, 1990
1153

HERBAUGH MICHAEL R
MARINE CORP DEVEL COMMAND
BLDG 2004 PO BOX 1855
QUANTICO, VA 22134-0855

Subject: Notification of PCB Activity

Thank you for filing the Notification of PCB Activity form dated March 1, 1990 for the facility location listed below:

MARINE CORP DEVEL COMMAND
BLDG 2004 PO BOX 1855
QUANTICO, VA 22134

Please be advised that the EPA Identification Number for the above facility is correctly stated on your form as **VA1170024722.**

If you have any questions on the EPA ID, call 301 294-2856. If you have any questions on the interpretation of PCB Waste Handlers rules, call 202 382-3933.

Sincerely,

Tony Baney, Chief
Chemical Regulation Branch

EPA

United States Environmental Protection Agency
Washington, DC 20460

Notification of PCB Activity

Form Approved
OMB No. 2070-0112
Approval expires 12-31-92

No information on this form may be claimed as TSCA CBI.

Return To:

Chemical Regulation Branch
Office of Toxic Substances TS-798
U.S. Environmental Protection Agency
401 M St., SW
Washington, DC 20460

For Official Use Only

TSCA PCB ID Number

I. Name of Facility	Name of Owner of Facility	II. EPA Identification Number (If already assigned under RCRA)
Marine Corps Combat Development Command	U.S. Marine Corps Washington, D.C.	VA1170024722

III. Facility Mailing Address (Street or PO Box, City, State, & ZIP Code)

Environmental Affairs Office
Public Works Branch
Building 2004, P. O. Box 1855
Marine Corps Combat Development Command
Quantico, VA 22134-0855

IV. Location of Facility (No. & Street, City, State, & ZIP Code)

Environmental Affairs Office
Public Works Branch
Building 2004, P. O. Box 1855
Marine Corps Combat Development Command
Quantico, VA 22134-0855

V. Installation Contact (Name and Title)

Michael R. Herbaugh
Supervisory Environmental Protection Specialist

Telephone Number (Area Code and Number)

VI. Type of PCB Activity (Mark 'X' in appropriate box. See instructions.)

- [X] A. Generator with onsite storage facility
- [ ] B. Storer (Commercial)
- [ ] C. Transporter
- [ ] D. Permitted Disposer

VII. Certification

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

Signature	Name and Official Title (Type or print)	Date Signed
D R Fritchen	D. R. FRITCHEN Head, Public Works Branch	1 March 1990

Paperwork Reduction Act Notice

The public reporting burden for this collection of information is estimated to average 1.5 hours per response. This estimate includes time for reviewing instructions, searching existing data sources, gathering and maintaining the needed data, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information to the Chief, Information Policy Branch (PM-223), US Environmental Protection Agency, 401 M Street, SW, Washington, DC 20460, and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503, marked ATTENTION: Desk Officer for EPA.

EPA Form 7710-53 (12-89)

REPRODUCED AT GOVERNMENT EXPENSE

UNITED STATES MARINE CORPS
MARINE CORPS COMBAT DEVELOPMENT COMMAND
QUANTICO, VIRGINIA 22134-5001

IN REPLY REFER TO:
6280/2
C 042
11 DEC 1991

From: Head, Public Works Branch, Facilities Division, Marine Corps Base, Marine Corps Combat Development Command
To: Director, Public Safety Division, Marine Corps Base, Marine Corps Combat Development Command (Attn: C 279)

Via: Director, Facilities Division, Marine Corps Base, Marine Corps Combat Development Command

Subj: NOTIFICATION OF POLYCHLORINATED BIPHENYL (PCB) AND PCB-CONTAMINATED TRANSFORMERS

Ref: (a) 40 CFR, Part 761 (TSCA, PCB Regs) (NOTAL)
(b) MCO P5090.2
(c) CG, MCCDC ltr 5090 C 042 of 29 May 91

Encl: (1) PCB Transformers
(2) PCB Contaminated Transformers
(3) Test Results, Phases I and II

Bn CO	
Bn XO	
BnADJ	
Safety	

1. The references require that fire and emergency response organizations be notified of the locations of all polychlorinated biphenyl (PCB) and PCB-contaminated transformers. The enclosures are provided as the required notification of the Base's inventory of these items. The tenant organizations occupying buildings within 30 meters of these transformers will be considered notified by copy of this letter.

2. All PCB or PCB-contaminated transformers listed on these inventories are scheduled for removal. Notifications of removal will be made by phone.

3. The inventory of all transformers tested, with test results, has been provided at enclosure (3). This is provided in order that your records may also reflect which transformers are known to be free of PCB's. Additionally, all transformers that have been tested will be marked in accordance with the test results for easy visual identification.

4. Approximately 125 transformers remain to be tested. This will require a third phase to our test and inventory contract. Notification will be made on receipt of the results. In the interim, untested transformers can be identified by the absence of a readily identifiable label. These items must, by the Regulations, be treated as if PCB-contaminated until determined otherwise through testing or by visual inspection of the manufacturer's plate on the transformer..

RECEIVED
DEC 16 1991
MCCDC
SAFETY

RECEIVED
16 DEC 1991

Subj: NOTIFICATION OF POLYCHLORINATED BIPHENYL (PCB) AND PCB-[redacted] CONTAMINATED TRANSFORMERS

4. The point of contact and Base PCB Coordinator is Captain N. E. Roberts, Natural Resources and Environmental Affairs, Public Works Branch, Facilities Division. Captain Roberts can be reached at extensions 2020, 2028, or 2029.

extension: X2020/8/9

Bruce C. Frizzell

Bruce Frizzell
By direction

Copy to:
7-9, 11, 17, 20, 20A, 20B, 20E, 20G, 22, 23, 25, 26, 28-30, 40, 41

PCB TRANSFORMERS
(>500 PPM)

LOCATION	SERIAL NUMBER	PPM	KVA	TYPE
2002	76V8207	2000+	25	PAD
CINDER CITY SUB.	B531332	2000+	1500	PAD
CINDER CITY SUB.	" "	592	N/A	TAP
RUSSELL ELEM	14306	2000+	75	POLE
CAMP BARRETT (BALLFIELD-2ND S.	D338963 POLE)	650	37.5	POLE
CAMP BARRETT (BALLFIELD-1ST W.	D338962 POLE)	580	37.5	POLE
27210	C108983	1065	15	POLE

ENCLOSURE (1)

PCB-CONTAMINATED TRANSFORMERS
(*40 - 499 PPM)

LOCATION	SERIAL NUMBER	PPM	KVA	TYPE
5 (AVIA. MUS)	F4008563Y	41	50	POLE
5 (AVIA. MUS)	F43346763Y	47	50	POLE
5 (AVIA. MUS)	F44172863Y	60	50	POLE
2002	786007950	435	500	PAD
2007 (MARSHALL)	796006839	140	500	PAD
2005 (MATHEWS)	786007949	473	500	PAD
2010	F688954	405	300	PAD
2100	2769350	329	50	PAD
2100	3000938	388	25	PAD
2103	M00491	51	150	PAD
2112 LARSON GYM (SUBSTATION)	3061296	53	3000	TAP
2112 LARSON GYM (SUBSTATION)	3061296	49	3000	PAD
2113 (INSIDE BOILER HS)	5406622	45	50	PAD
2113 (INSIDE BOILER HS)	5326782	42	50	PAD
2113 (INSIDE BOILER HS)	5326790	50	50	PAD
2116 (BY LARSON)	82JJ786072	52	750	PAD
2600	7913564	173	37.5	POLE 118
2603-04	125758	42	37.5	POLE 122
2633	299592	74	15	POLE 113

ENCLOSURE (J)

PCB-CONTAMINATED TRANSFORMERS
(*40-499 PPM)

LOCATION	SERIAL NUMBER	PPM	KVA	TYPE
2633	299591	57	15	POLE 113
3091	RKA0094	335	300	PAD
QTRS 4002-3A/B	85NA11018	44	75	POLE
QTRS 4203-4A/B	4127144	41	75	POLE
5109	16623	64	N/A	WALL
5110 (MCAF)	2493016	73	N/A	VOLT. REG
24004 (REASONER)	70C44388	56	225	PAD
24115	6000325	58	75	POLE B-7
24180 (RAMER)	82600676	46	150	PAD
26103-11	701879	50	37.5	POLE 166
26145	D43031759P	56	50	POLE 149
CAMP BARRETT (BALLFIELD, E.)	D213122	173	37.5	POLE
CAMP BARRETT (BALLFIELD, 1ST S.)	D342944	347	50	POLE
CAMP BARRETT (BALLFIELD, 2ND W.)	D342943	216	50	POLE
CAMP BARRETT (BALLFIELD, 1ST N.)	D147324	74	50	POLE
CAMP BARRETT (BALLFIELD, 2ND N.)	D213125	212	37.5	POLE
CAMP BARRETT (BALLFIELD, 2ND N.)	D213123	215	37.5	POLE
CAMP BARRETT (SEW PUMP STA.)	80B2856	103	50	POLE
CAMP BARRETT (SEW PUMP STA.)	80B2857	98	50	POLE

PCB-CONTAMINATED TRANSFORMERS
(*40-499 PPM)

LOCATION	SERIAL NUMBER	PPM	KVA	TYPE
CAMP BARRETT (SEW PUMP STA.)	80B2855	125	50	POLE
RUSSELL ELEM	14305	45	75	POLE
BURROWS ELEM.	786005021	144	500	PAD
GUN & ROD	1333229	173	25	POLE 443-11
MCB-4	74AL9944	54	10	POLE 412
MCB-4	F166832	87	15	POLE 379
27215	83NA153002	44	15	POLE 375
27215	83NA153003	44	15	POLE 375
27244	83NC254001	55	15	POLE 379
27244	83NF136002	86	15	POLE 379

*40 PPM - ALLOWS A ± 10 PPM MARGIN FOR ERROR

(15)

6280/2
B 046

From: Corporal Sean P. Jensen
To: Ralph S. Phipps

Subj: POLYCHLORINATED BIPHENYL (PCB) MANAGEMENT SAMPLING REPORT

Ref: (a) MCO P5090.2
(b) MCBO 6280.3

Encl: (1) Lab results on Machine Shop Equipment Tested for PCB's

1. Per the references; samples were conducted 20 June 1996 through 02 December 1996. The following equipment was sampled and found to be non-contaminated with PCB's:

DESCRIPTION	SERIAL NO	LOCATION	BLDG NO
Lagun Republic, Milling Machine	20689	Fac Maint	3242
Kearney & Trecker, Milling Machine	264-269916	Fac Maint	3242
LeBlonde, Lathe	NB1019	Fac Maint	3242
Lodge & Shipley, Lathe	37904	Fac Maint	3242
American Tool Wrks, Lathe	060583	Fac Maint	3242
Monarch Machine Co, Lathe	36523	Fac Maint	3242
Gallmeyer&Livinston	272714	Fac Maint	3242
Oyster, Pipe Cutter	296227	Fac Maint	3242
DOALL, Power Bandsaw	438871848	Fac Maint	3242
Niagra, Power Shear	56505	Fac Maint	3242
J H Elliot, Lathe	275954	WTBN	27241
Cint Mill, Milling Machine	55602p5v0024	WTBN	27241
Fritz Warner, Milling Machine	01100502	WTBN	27241
Maximat, Lathe	RTE 1	WTBN	27241

Equipment Sampled List Con't

Enco, Milling Machine	891211	WTBN	27241
True Trace, Tracer	1267	WTBN	27241
Van Norman, Milling Machine	5874	WTBN	27241
Gallmeyer Livinston Lathe	555987	WTBN	27241
Golchester Co, Lathe	2081407	WTBN	27241
DOALL, Lathe	28081407	WTBN	27241
Doall, Power Band Saw	47389129	WTBN	27241
Keller, Power Hack Saw	3HD28657	WTBN	27241
Partner III, Milling Machine	1305	WTBN	27241
Lagun, Milling Machine	19278	WTBN	27241
Bridgeport, Milling Machine	115988-2	WTBN	27241
Colchester Co, Lathe	2603902-1	WTBN	27241
Doall, Lathe	28081407-1	WTBN	27241
Turnmaster, Lathe	282079-1	WTBN	27241
Keller, Power Hack Saw	3HD28657	WTBN	27241

2. Per the references the following machine was sampled and determined to be PCB contaminated. It was properly cleaned and disposed of upon discovery.

Milwaukee, Milling Machine	262180	Central Heat Plant

3. The procedures used to ensure all equipment was checked and sampled for PCB's are as follows:

a. Reviewed the plant account list of machines on base and visited the three machine shops listed as users of shop equipment confirming the records maintained by the Plant Property Manager.

Procedures Con't

b. Advertised over the local area network and posted on the base tack board that Natural Resources and Environmental Affairs (NREA) Branch was conducting PCB sampling around the base.

c. Inspected the following facilities on base and surveyed their shop machinery for potential PCB hazards:

1. Communications officer school

2. Marine Helicopter Squadron 1 and the Air Ground Museum

3. Carpentry Shop

4. FBI Academy

5. Motor Transport Maintenance

6. The Basic School AAV and Motor Transport Maintenance

7. Refueller and Firefighter Maintenance

8. Hobby Shop

9. Engineer Test Site

d. Checked with generator site coordinators for possible equipment needing sampling or using oils to cool machinery down.

4. Per the references, NREA has surveyed all potential PCB hazard areas and if needed sampled their equipment. PCB sample results of machines sampled during this time are kept at NREA. A catch all is in place for machines not sampled. The Base Property Manager will inform NREA when a machine is to be turned in or moved from the base. NREA will then survey the machine and sample it for PCB's if deemed necessary.

Respectfully,
S. P. JENSEN

WASHINGTON, DO 20460

TOXIC SUBSTANCES CONTROL ACT

NOTICE OF INSPECTION

1. INVESTIGATION IDENTIFICATION			2. TIME	3. FIRM NAME
DATE	INSPECTOR NO.	DAILY SEQ. NO.		
8-12-97	11177	01	0800	QUANTICO MARINE BASE

4. INSPECTOR ADDRESS	5. FIRM ADDRESS
U.S. Environmental Protection Agency Annapolis Operations Section 2530 Riva Road, Suite 300 Annapolis, MD 21401	NREA BRANCH 462 3040 McCAULEY AVE SUITE-2 QUANTICO VA 22134

REASON FOR INSPECTION

Under the authority of Section 11 of the Toxic Substances Control Act :

☒ For the purpose of inspecting (including taking samples, photographs, statements, and other inspection activities) an establishment, facility, or other premises in which chemical substances or mixtures or articles containing same are manufactured, processed or stored, or held before or after their distribution in commerce (including records, files, papers, processes, controls, and facilities) and any conveyance being used to transport chemical substances, mixtures, or articles containing same in connection with their distribution in commerce (including records, files, papers, processes, controls, and facilities) bearing on whether the requirements of the Act applicable to the chemical substances, mixtures, or articles within or associated with such premises or conveyance have been complied with.

☐ In addition, this inspection extends to *(Check appropriate blocks)*:

- ☐ A. Financial data
- ☐ B. Sales data
- ☐ C. Pricing data
- ☐ D. Personnel data
- ☐ E. Research data

The nature and extent of inspection of such data specified in A through E above is as follows:

INSPECTOR SIGNATURE		RECIPIENT SIGNATURE	
NAME: GERARD CRUTCHLEY		NAME: RALPH S. PHIPPS	
TITLE: ENVIRONMENTAL PROTECTION SPECIALIST	DATE SIGNED: 8-12-97	TITLE: H/ENV. AFFAIRS SEC	DATE SIGNED: 8/12/97

EPA Form 7740-9 (10-89)

US ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

TOXIC SUBSTANCES CONTROL ACT

TSCA INSPECTION CONFIDENTIALITY NOTICE

Form Approved
OMB No 2070-0007
Expires 3-31-88.

1. INVESTIGATION IDENTIFICATION			2. FIRM NAME
DATE	INSPECTOR NO.	DAILY SEQ. NO.	
8-12-87	1177	01	[illegible]
3. INSPECTOR NAME			4. FIRM ADDRESS
[illegible]			[illegible]
5. INSPECTOR ADDRESS			6. CHIEF EXECUTIVE OFFICER NAME
U.S. Environmental Protection Agency Annapolis Operations Section 2530 Riva Road, Suite 300 Annapolis, MD 21401			7. TITLE

TO ASSERT A CONFIDENTIAL BUSINESS INFORMATION CLAIM

It is possible that EPA will receive public requests for release of the information obtained during inspection of the facility above. Such requests will be handled by EPA in accordance with provisions of the Freedom of Information Act (FOIA), 5 USC 552; EPA regulations issued thereunder, 40 CFR Part 2; and the Toxic Substances Control Act (TSCA), Section 14. EPA is required to make inspection data available in response to FOIA requests unless the Administrator of the Agency determines that the data contain information entitled to confidential treatment or may be withheld from release under other exceptions of FOIA.

Any or all the information collected by EPA during the inspection may be claimed confidential if it relates to trade secrets or commercial or financial matters that you consider to be confidential business information. If you assert a CBI claim, EPA will disclose the information only to the extent, and by means of the procedures set forth in the regulations (cited above) governing EPA's treatment of confidential business information. Among other things, the regulations require that EPA notify you in advance of publicly disclosing any information you have claimed as confidential business information.

A confidential business information (CBI) claim may be asserted at any time. You may assert a CBI claim prior to, during, or after the information is collected. The declaration form was developed by the Agency to assist you in asserting a CBI claim. If it is more convenient for you to assert a CBI claim on your own stationery or by marking the individual documents or samples "TSCA confidential business information," it is not necessary for you to use this form. The inspector will be glad to answer any questions you may have regarding the Agency's CBI procedures.

While you may claim any collected information or sample as confidential business information, such claims are unlikely to be upheld if they are challenged unless the information meets the following criteria:

1. Your company has taken measures to protect the confidentiality of the information, and it intends to continue to take such measures.
2. The information is not, and has not been, reasonably obtainable without your company's consent by other persons (other than governmental bodies) by use of legitimate means (other than discovery based on showing of special need in a judicial or quasi-judicial proceeding).
3. The information is not publicly available elsewhere.
4. Disclosure of the information would cause substantial harm to your company's competitive position.

At the completion of the inspection, you will be given a receipt for all documents, samples, and other materials collected. At that time, you may make claims that some or all of the information is confidential business information.

If you are not authorized by your company to assert a CBI claim, this notice will be sent by certified mail, along with the receipt for documents, samples, and other materials to the Chief Executive Officer of your firm within 2 days of this date. The Chief Executive Officer must return a statement specifying any information which should receive confidential treatment.

The statement from the Chief Executive Officer should be addressed to:

and mailed by registered, return-receipt requested mail within 7 calendar days of receipt of this Notice. Claims may be made any time after the inspection, but inspection data will not be entered into the special security system for TSCA confidential business information until an official confidentiality claim is made. The data will be handled under the agency's routine security system unless and until a claim is made.

TO BE COMPLETED BY FACILITY OFFICIAL RECEIVING THIS NOTICE:		If there is no one on the premises of the facility who is authorized to make business confidentiality claims for the firm, a copy of this Notice and other inspection materials will be sent to the company's chief executive officer. If there is another company official who should also receive this information, please designate below.
I have received and read the notice		
SIGNATURE [illegible]		NAME
NAME [illegible]		TITLE
TITLE [illegible]	DATE SIGNED 8/12/87	ADDRESS

US ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

EPA

TOXIC SUBSTANCES CONTROL ACT

RECEIPT FOR SAMPLES AND DOCUMENTS

Form Approved
OMB No. 2070-0007
Approval expires 10-31-92

1. INVESTIGATION IDENTIFICATION			2. FIRM NAME
DATE	INSPECTOR NO.	DAILY SEQ. NO.	
8-14-97	11177	01	QUANTICO MARINE BASE

3. INSPECTOR ADDRESS

U.S. Environmental Protection Agency
Annapolis Operations Section
2530 Riva Road, Suite 300
Annapolis, MD 21401

4. FIRM ADDRESS

NREA Branch 462
3040 McCAULEY AVE, Suite 2
QUANTICO, VA. 22134

The documents and samples of chemical substances and/or mixtures described below were collected in connection with the administration and enforcement of the Toxic Substances Control Act.

RECEIPT OF THE DOCUMENT(S) AND/OR SAMPLE(S) DESCRIBED IS HEREBY ACKNOWLEDGED:

NO.	DESCRIPTION
1	Pages 4-31 to 4-34, site management plan
2	1994 PCB inventory
3	manifest # 1391 (1994)
4	manifest # 41242 (1994)
5	manifest # KV21D (1994)
6	certificate of disposal (1994)
7	1995 PCB inventory
8	manifest # 50565
9	manifest # 50154
10	1996 PCB inventory
11	1996 PCB inventory status
12	certificate of disposal for manifest 32271
13	notification of PCB activity
14	fire dept. registration info.
15	analytical results, machine shop equipment
	8 photographs

OPTIONAL:

DUPLICATE OR SPLIT SAMPLES: REQUESTED AND PROVIDED ☐ NOT REQUESTED ☐

INSPECTOR SIGNATURE		RECIPIENT SIGNATURE	
Gerard Crutchley		Ralph S. Phipps	
NAME		**NAME**	
GERARD CRUTCHLEY		RALPH S. PHIPPS	
TITLE	**DATE SIGNED**	**TITLE**	**DATE SIGNED**
ENVIRONMENTAL PROTECTION SPECIALIST	8-14-97	H/ENV. AFF. Sec	8/14/97

Photographs

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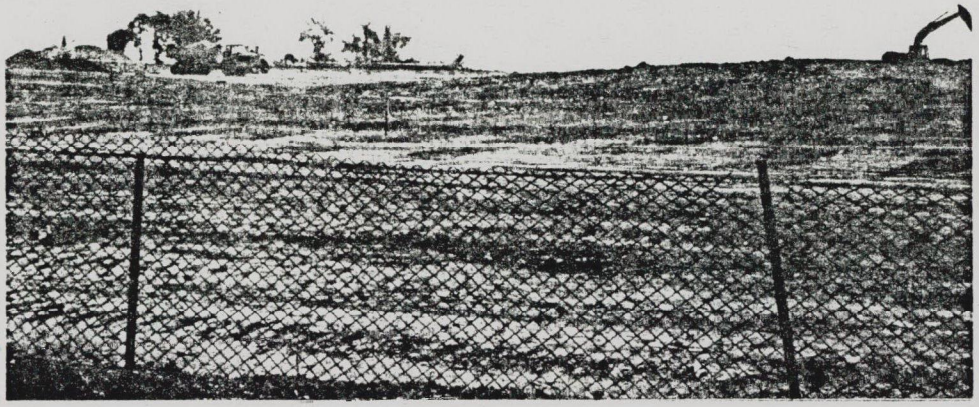

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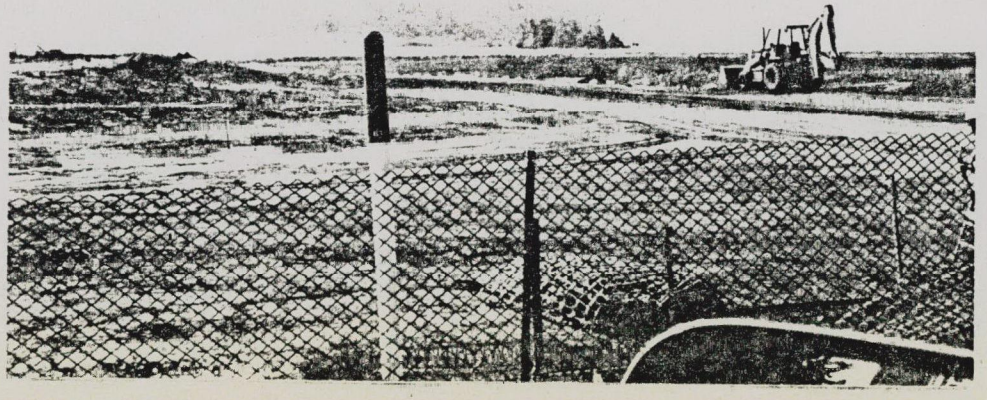

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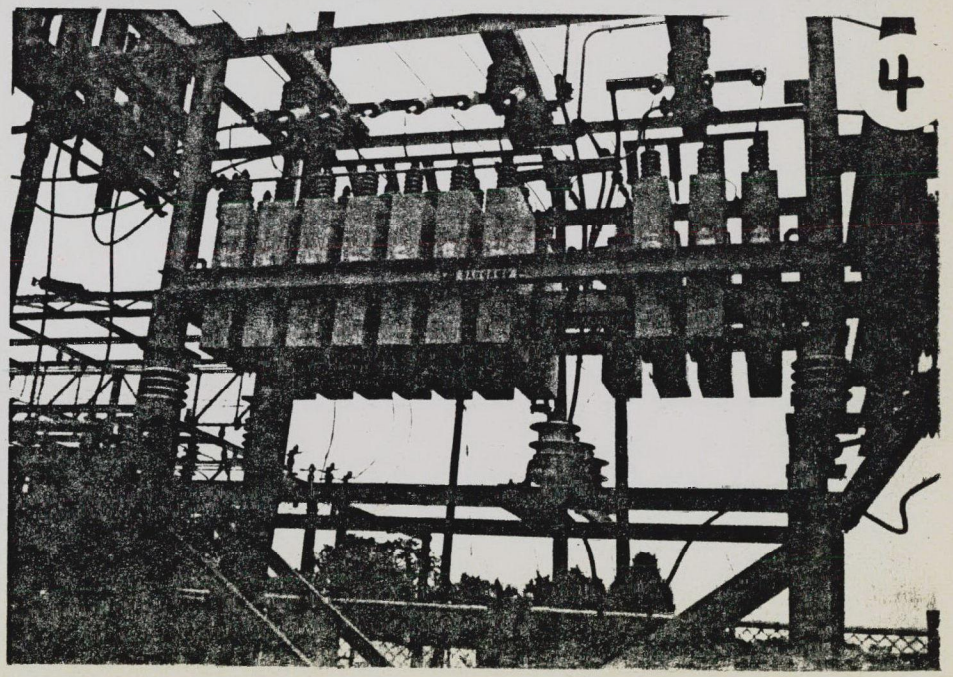

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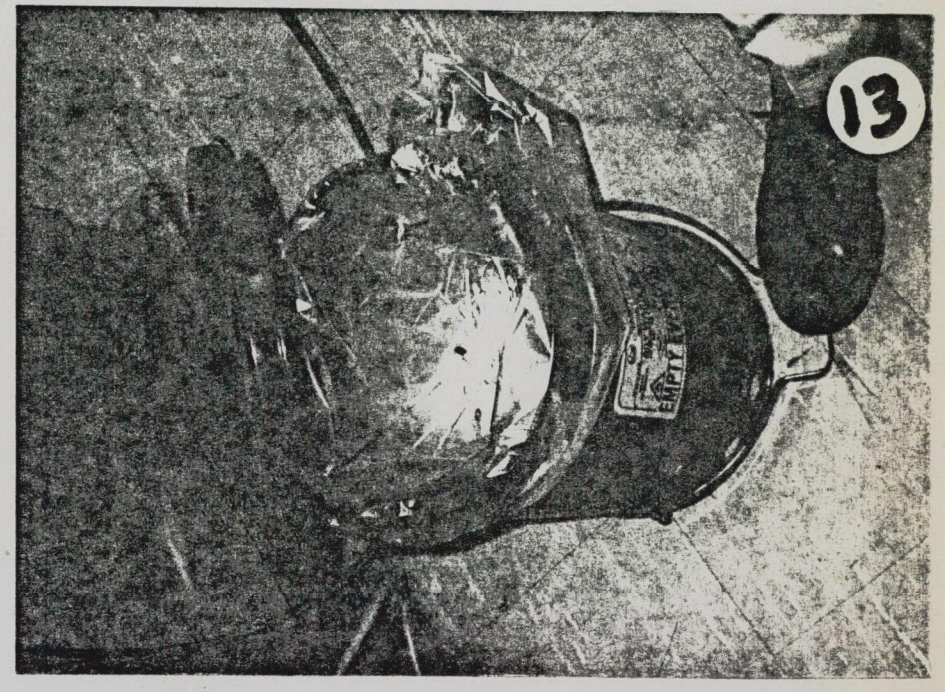
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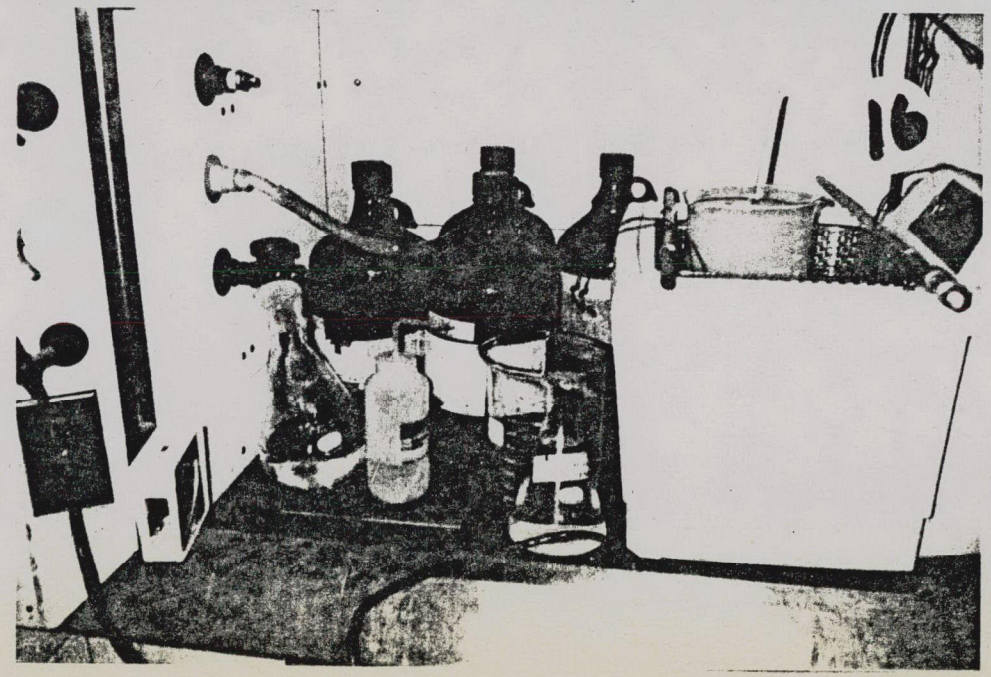
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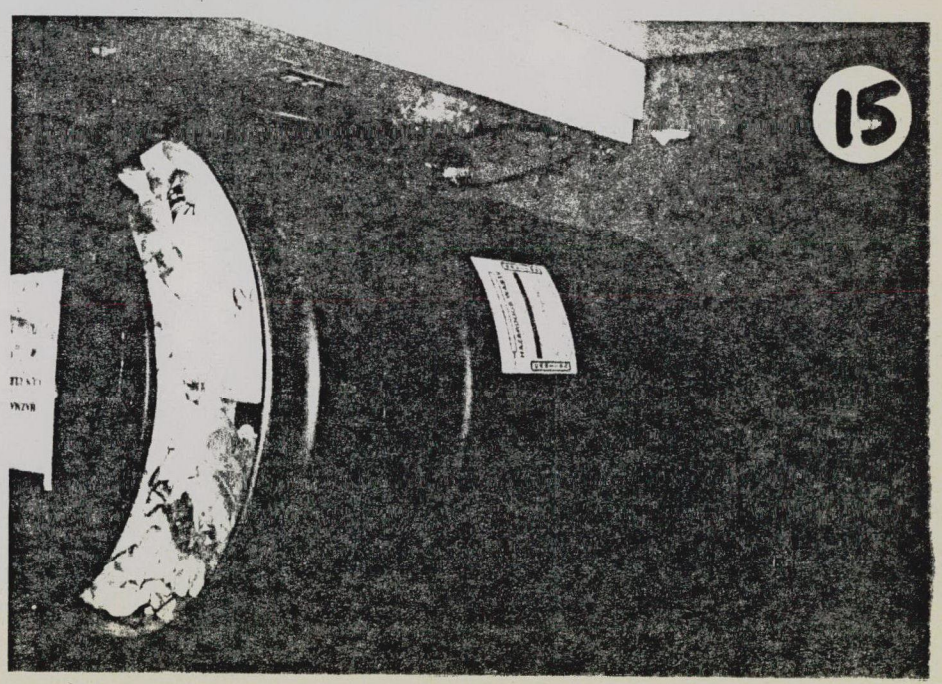
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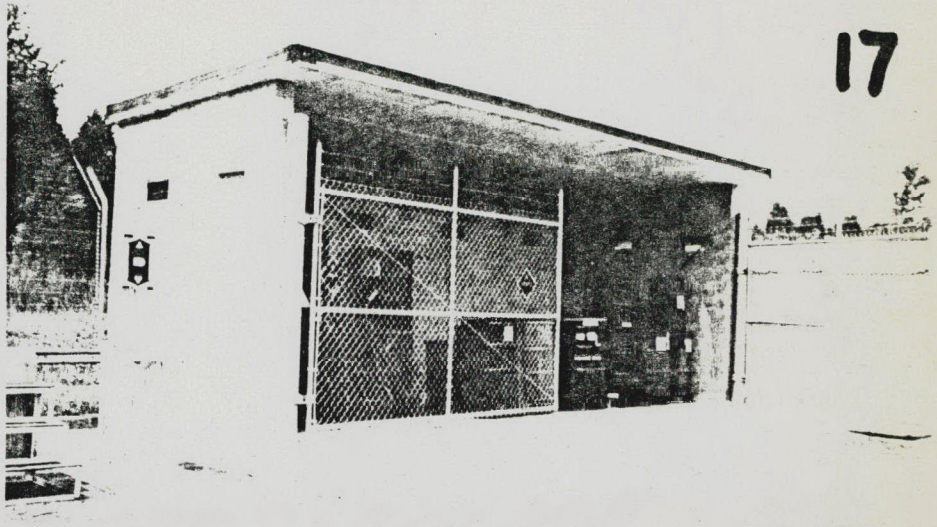
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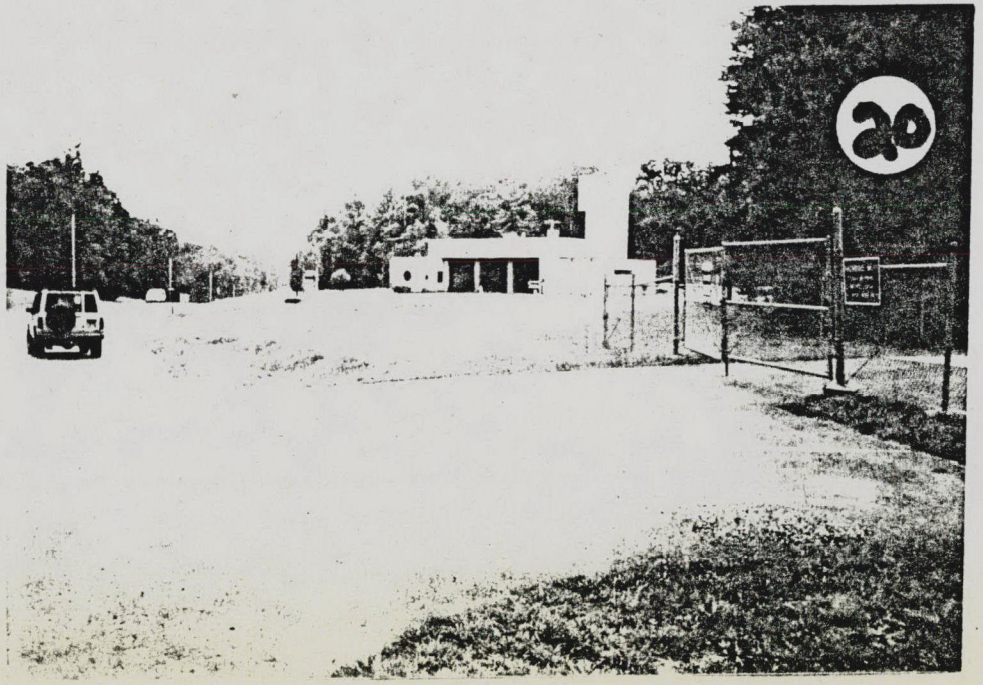
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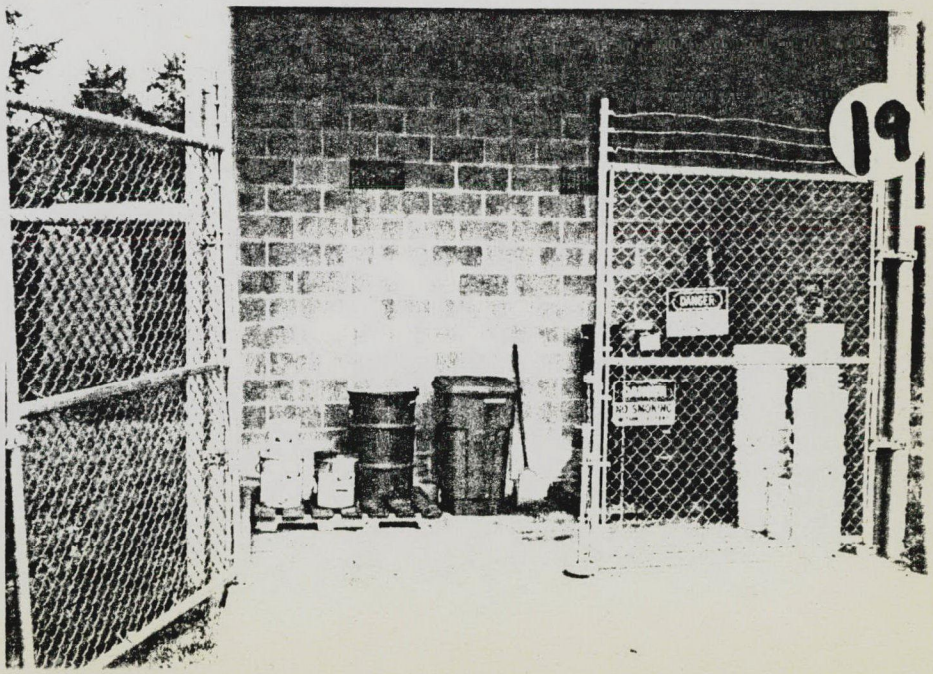
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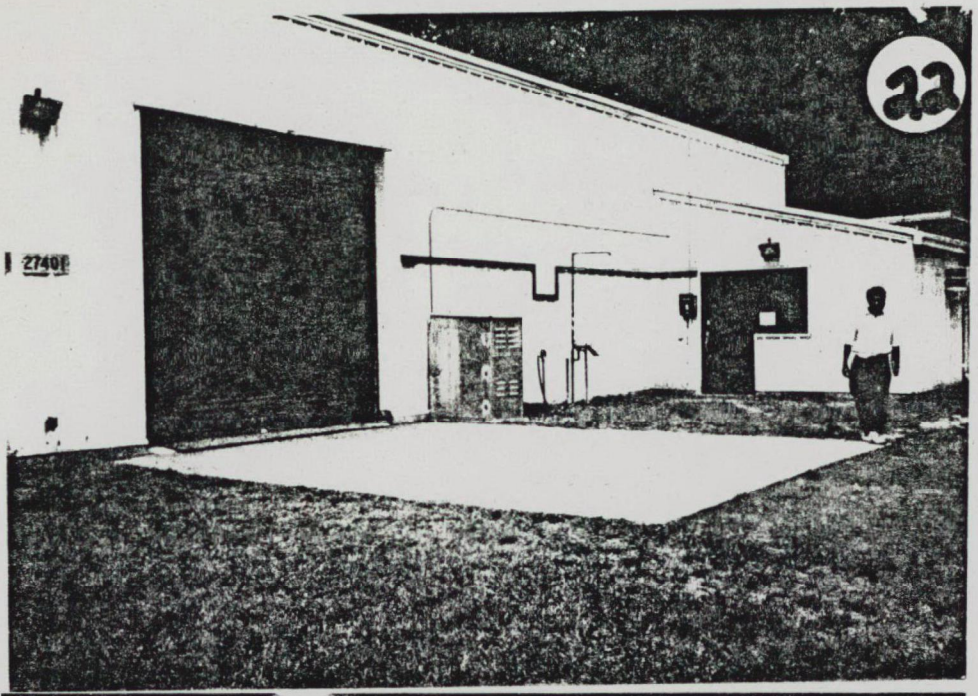
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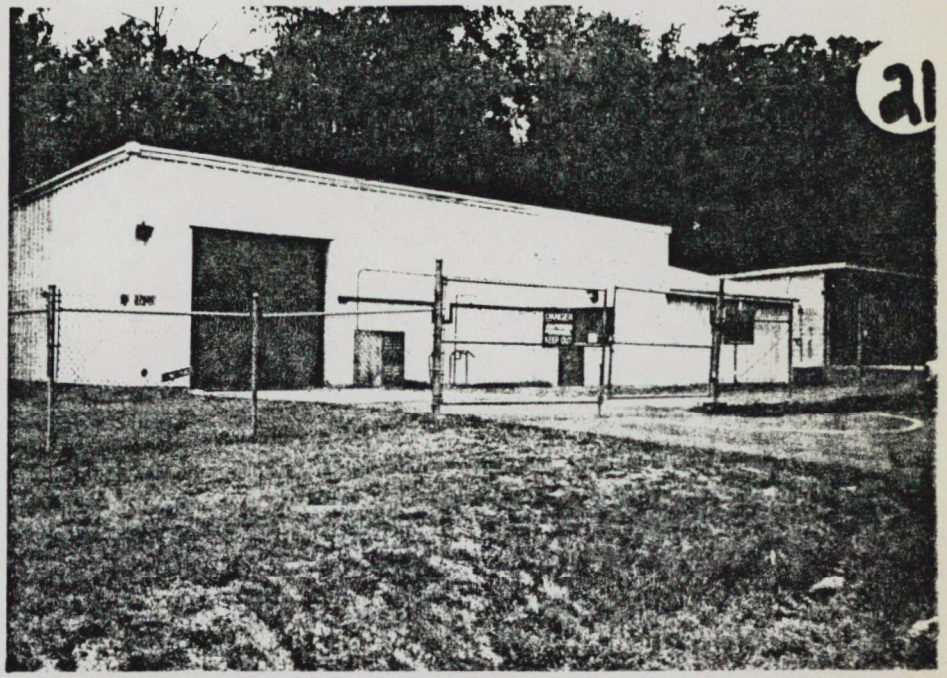
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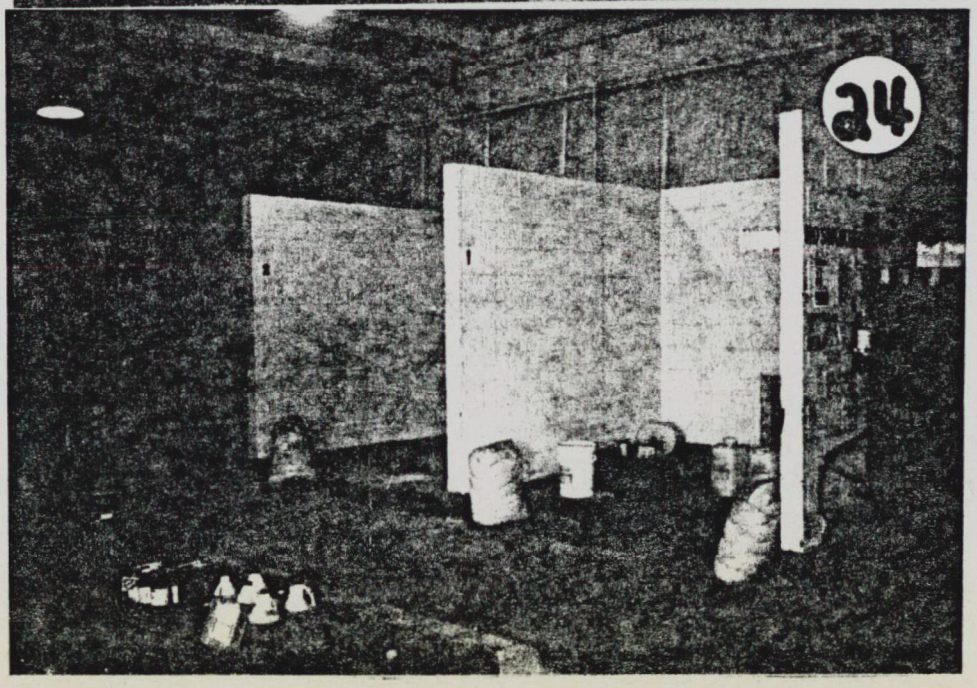
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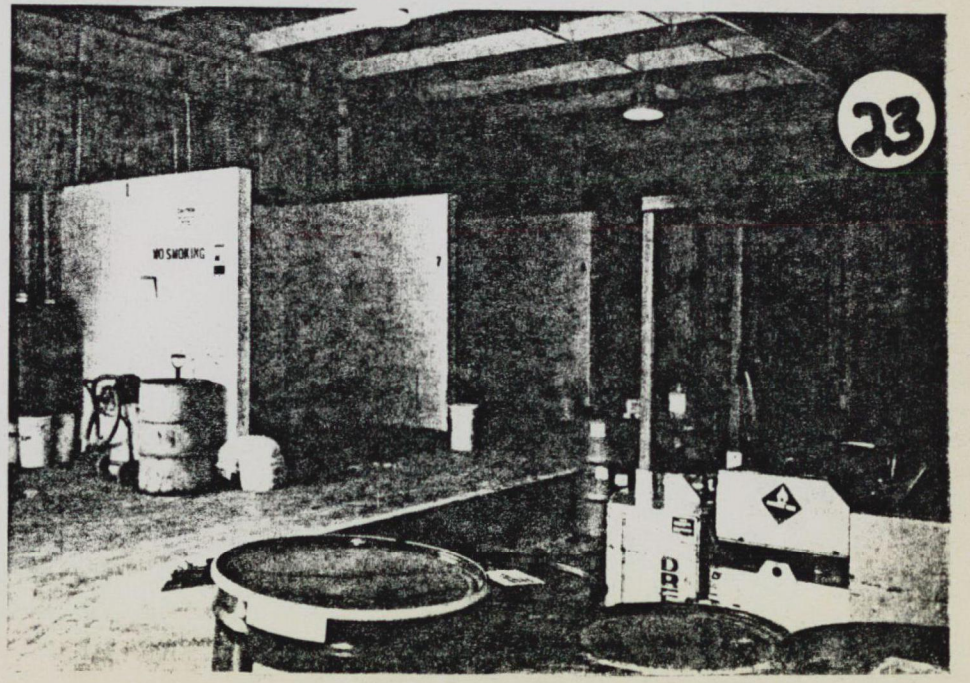
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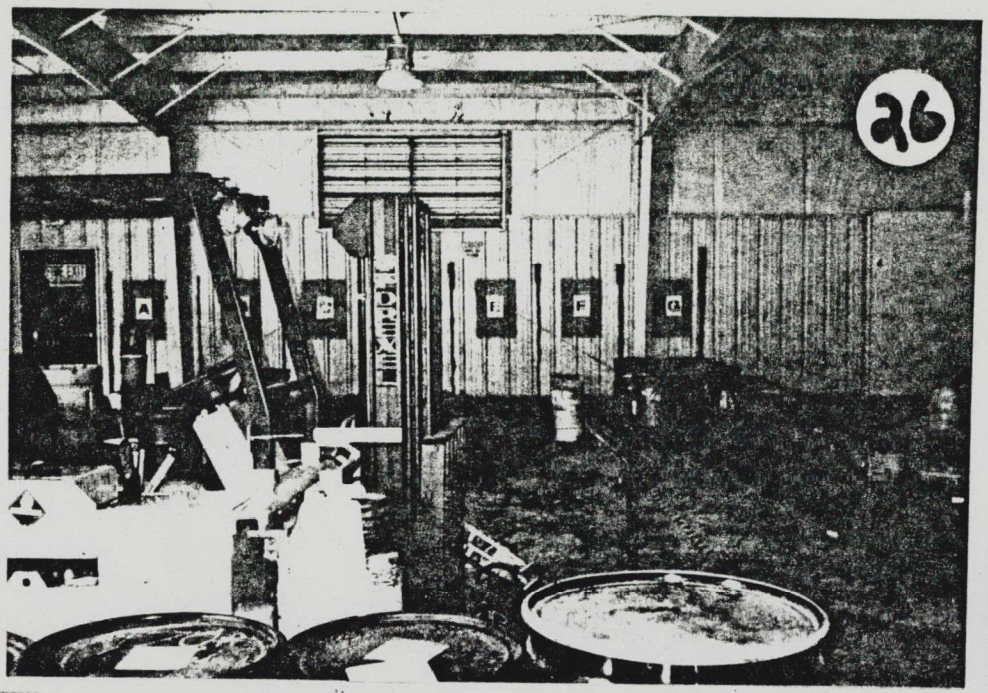
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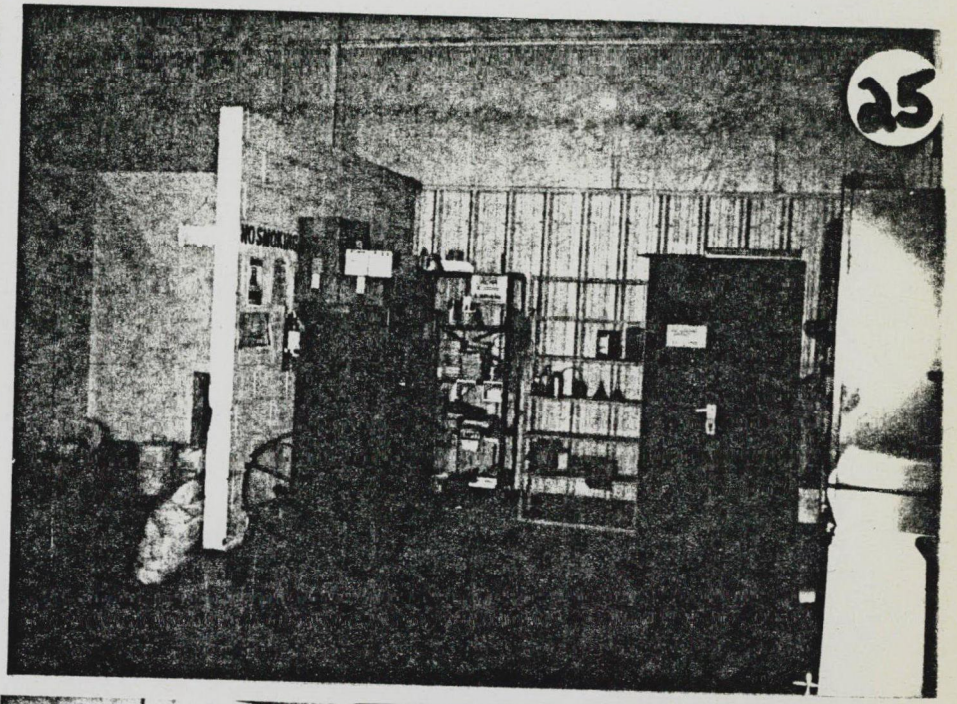
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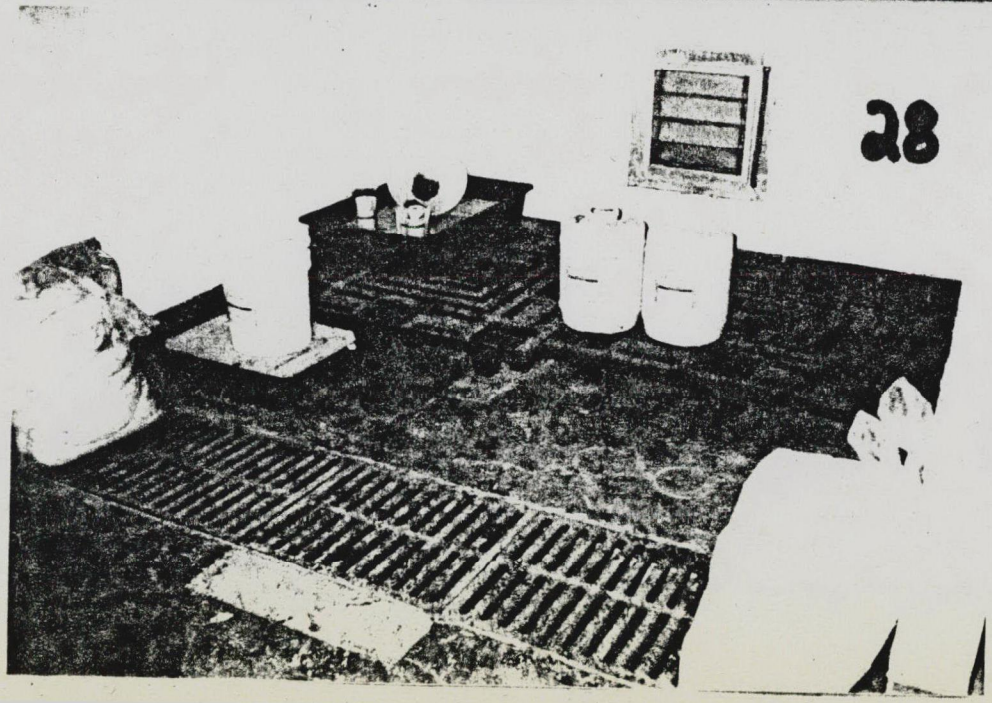
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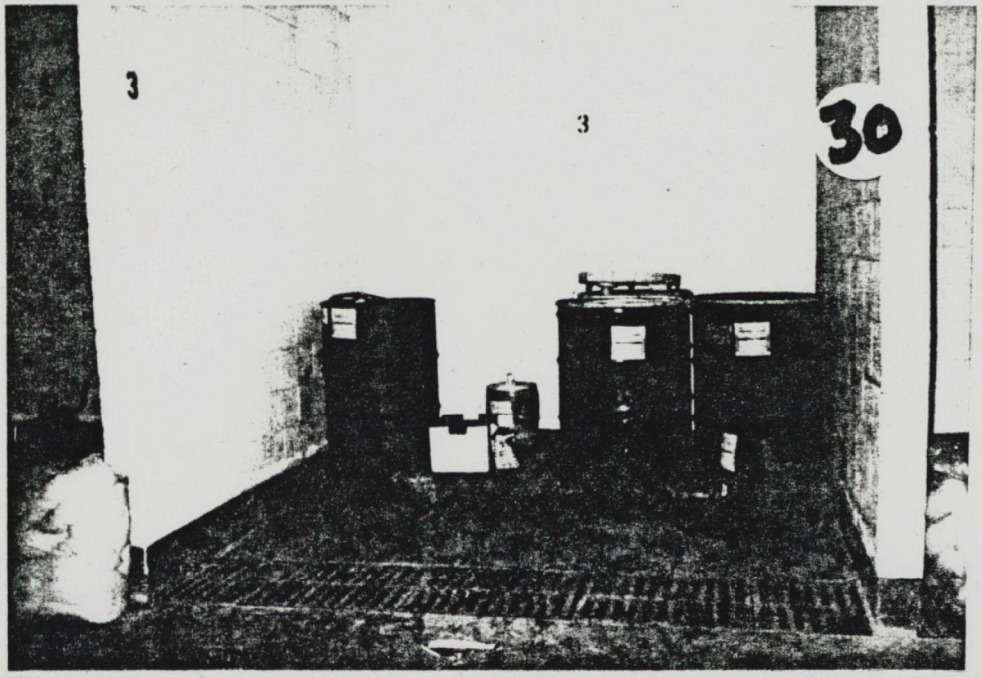
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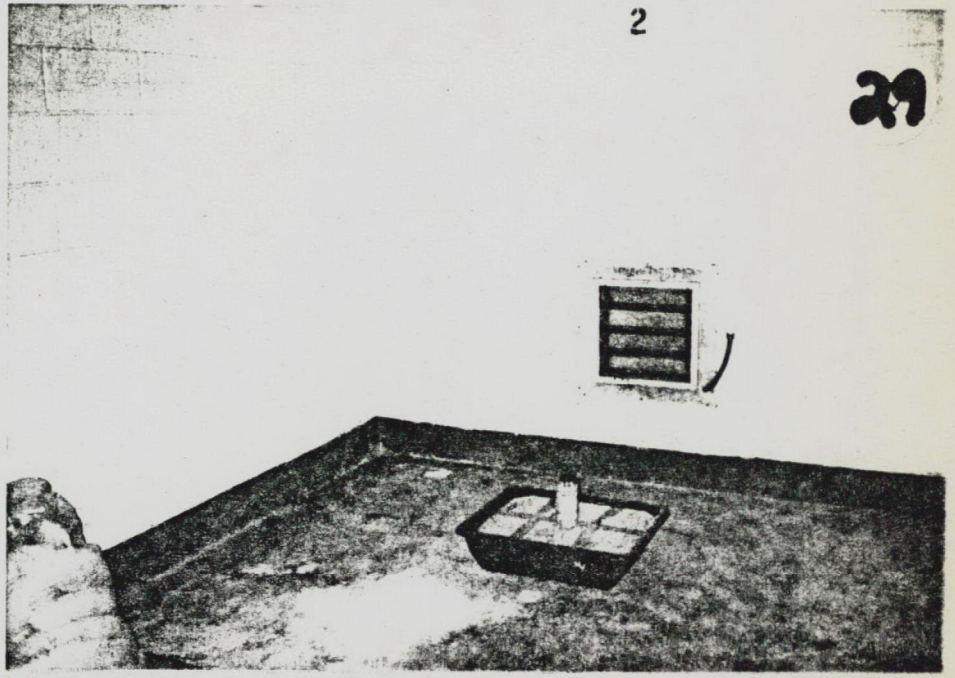
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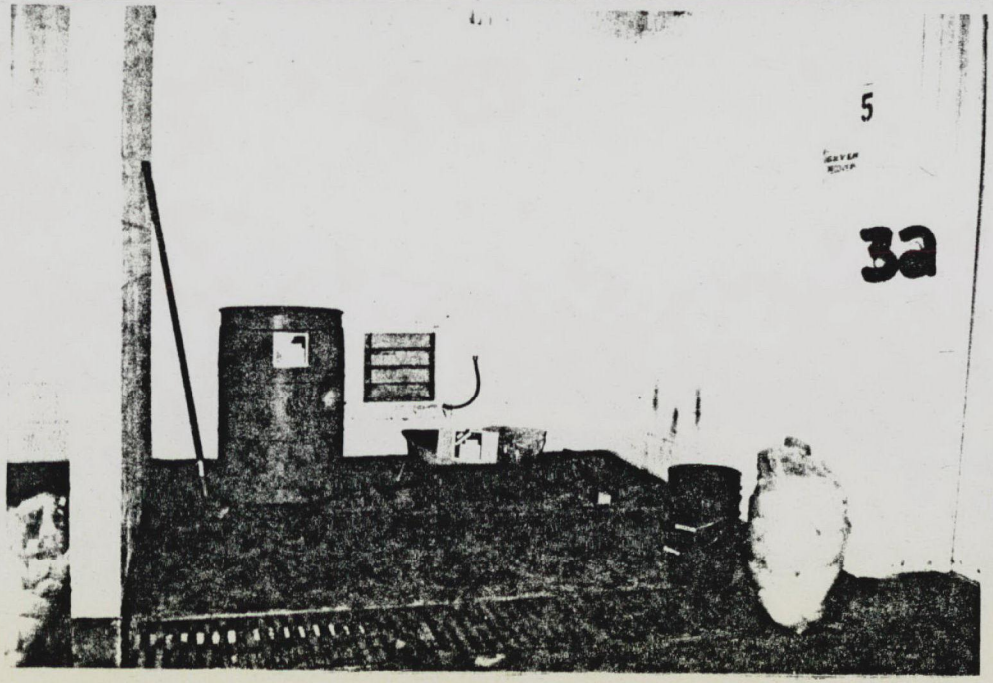
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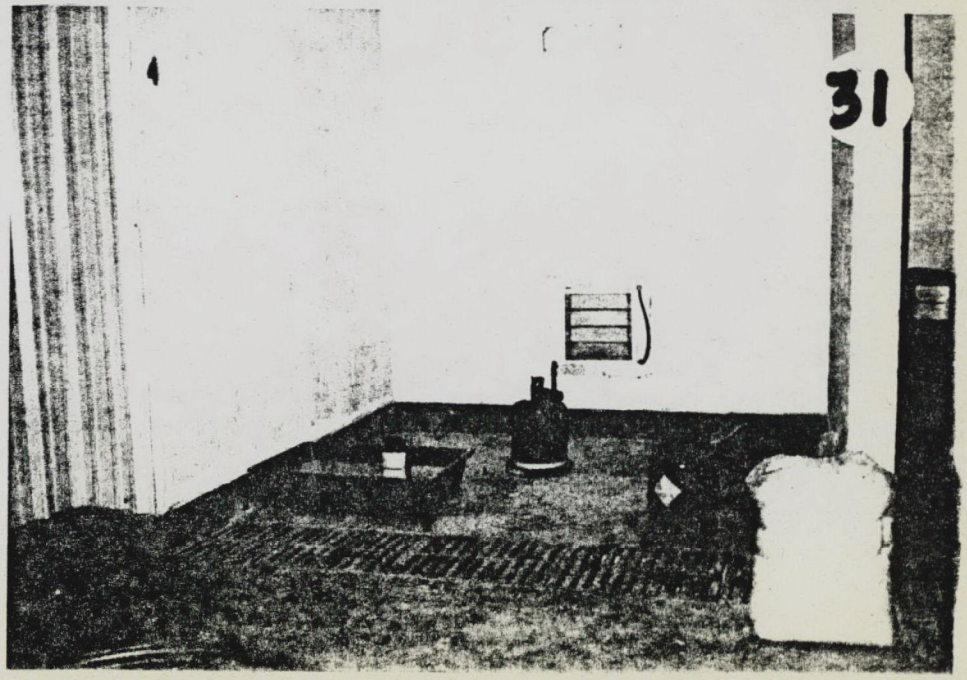
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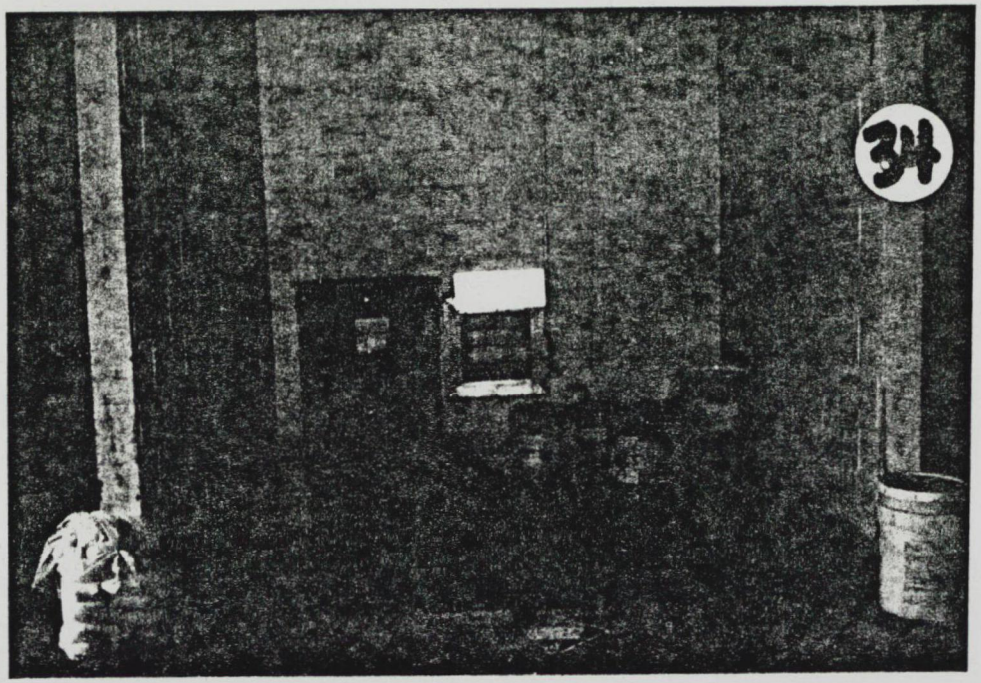
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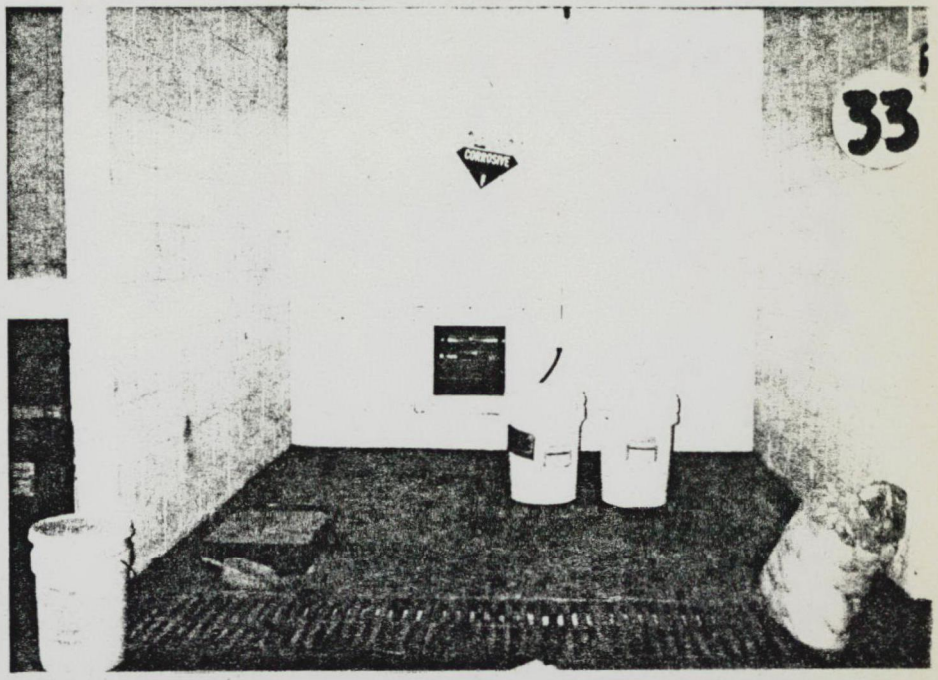
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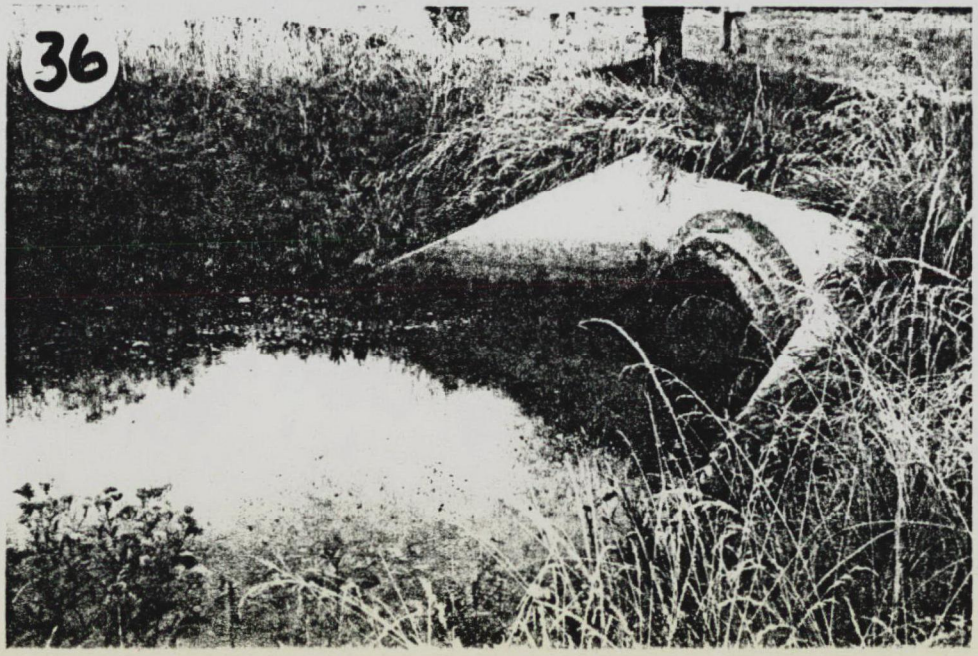
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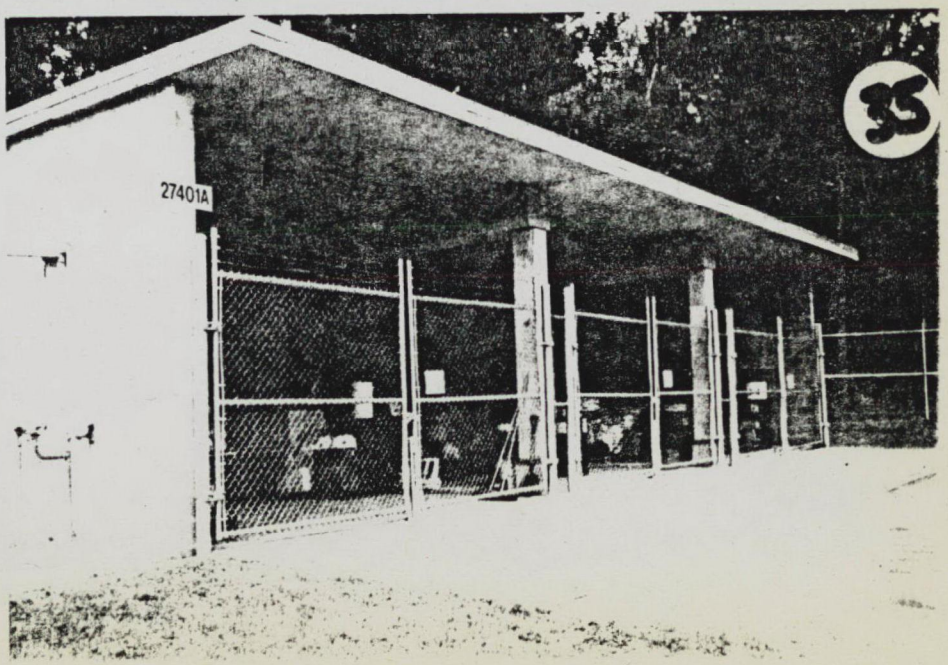
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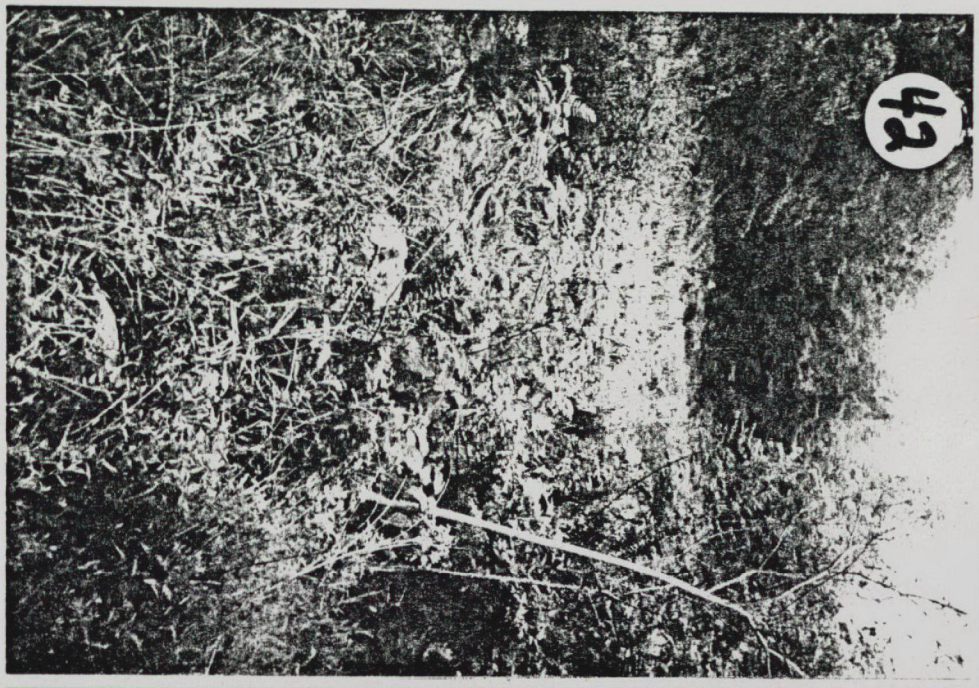
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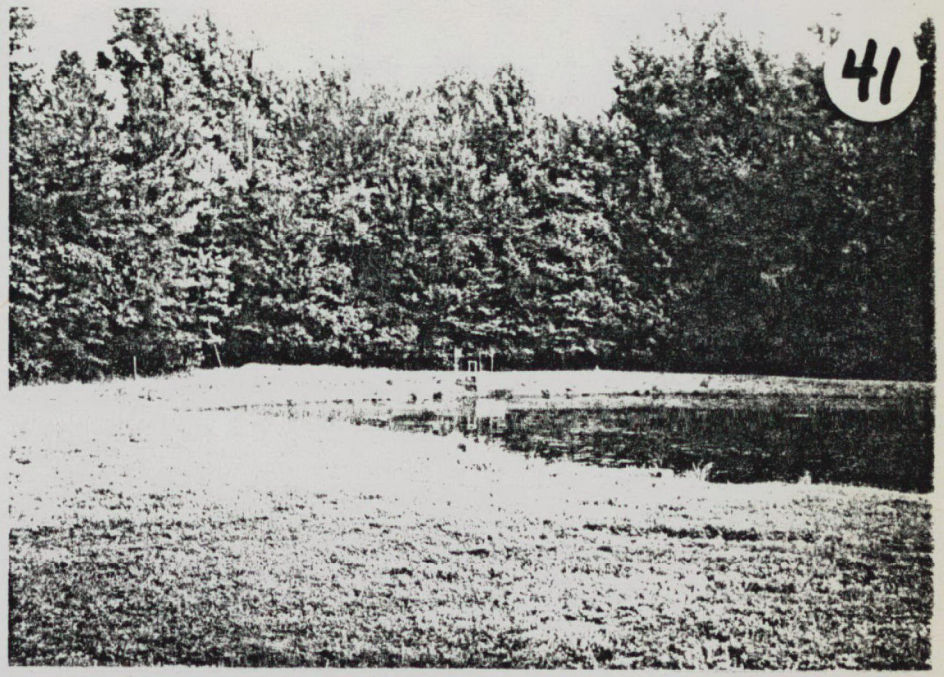
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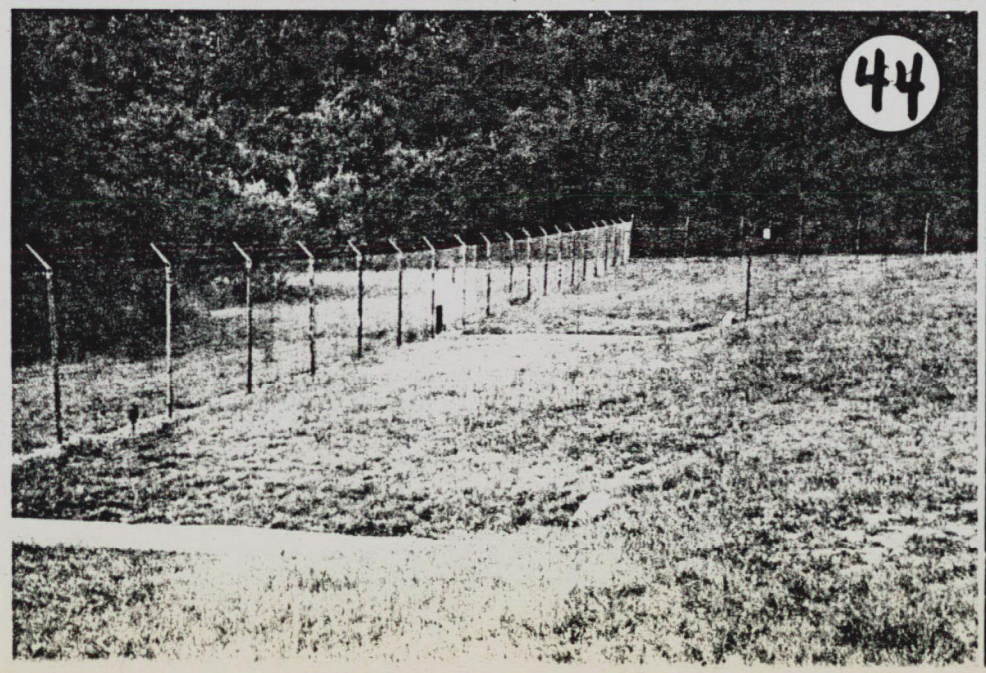
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