DEPARTMENT OF THE ARMY

OFFICE OF ASSISTANT CHIEF OF STAFF FOR INSTALLATION MANAGEMENT U.S. ARMY FORT MONMOUTH P.O. 148 OCEANPORT, NEW JERSEY 07757

February 12, 2015

Ms. Linda Range New Jersey Department of Environmental Protection Bureau of Southern Field Operations 401 East State Street, 5th Floor PO Box 407 Trenton, NJ 08625

Re:

Request for No Further Action for Parcels 95

Fort Monmouth, NJ

Enclosures:

A. 31 January 1994 Letter to USEPA

B. Field Notes and Sample Locations

C. Analytical Results

Dear Ms. Range:

The U.S. Army Fort Monmouth (FTMM) is providing you with documentation for Parcel 95, which is the site of a polychlorinated biphenyl (PCB) transformer leak in 1992. The PCB release and subsequent cleanup was previously described in Section 5.5.1 of the 2007 *U.S. Army BRAC 2005 Environmental Condition of Property Report* for Fort Monmouth. A 1994 Army letter to the USEPA that fully describes the PCB release and subsequent cleanup is provided as Enclosure A. It is evident from our files and from discussions with personnel involved that a response from USEPA was not received. Field notes and a sketch of soil sample locations are provided as Enclosure B, and analytical results are provided as Enclosure C.

We request a No Further Action (NFA) determination from the NJDEP for Parcel 95. Should you have any questions or require additional information, please contact me at (732) 380-7064 or by email at wanda.s.green2.civ@mail.mil.

Sincerely,

Wanda Green

BRAC Environmental Coordinator

Wanda Green

cc:

Delight Balducci, HQDA ACSIM Joseph Pearson, Calibre

James Moore, USACE Cris Grill, Parsons

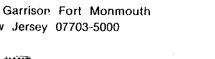
ATTACHMENT A

31 January 1994 Letter to USEPA



DEPARTMENT OF THE ARMY

Headquarters, U.S. Army Garrison Fort Monmouth Fort Monmouth, New Jersey 07703-5000





REPLY TO ATTENTION OF

3 1 JAN 1994

Directorate of Public Works

U.S. Environmental Protection Agency Toxic Substances Section ATTN: Mr. Daniel Craft 2890 Woodbridge Avenue Edison, NJ 08837 MS 105

SUBJECT: Cleanup of PCB-Contaminated Transformer Spill, Adjacent to Bldg. # 454.

Dear Mr. Craft:

On December 14, 1992, Mr. Joseph Fallon contacted your office to inform the U.S. Environmental Protection Agency that three pole mounted transformers containing PCB-contaminated oil had been knocked to the ground as a result of the northeaster storm which hit the New Jersey coast on December 11, 1992. Two out of the three transformers released their contents upon hitting the ground, the third transformer did not leak. Mr. Fallon also contacted the National Response Center and the New Jersey Department of Environmental Protection and Energy (NJDEPE) to report the spill. The National Response Center assigned case # 148988 to the spill and the NJDEPE assigned the spill case # 92-12-14-0952-53.

All three transformers involved in the spill were identified as PCB-Contaminated Class Equipment having the following PCB concentrations: 446, 469, and 484 parts per million. The two transformers with the higher PCB levels were the ones that leaked. Each transformer contained forty-eight gallons of oil, therefore the total spill involved ninety-six gallons of oil. The spill occurred in a grassy area adjacent to Bldg. 454.

Because of the severity of the storm and the possible danger of electrocution, the only action that could be taken on the day of the spill was to secure the area. Cleanup activities commenced at the site on December 14, 1992. Cleanup actions involved removing the three transformers and placing them inside Fort Monmouth's PCB storage facility (Bldg. 121). Sorbent pads were also placed over the spill area and the entire site was covered with polyethylene sheeting. On December 16, 1992, contaminated sorbent pads were collected and drummed for proper disposal. The site was repadded and covered with plastic sheeting. Because of frozen conditions, cleanup activities did

not resume at the site until January 27, 1993. On said day, all remaining pads and plastic sheeting were drummed for disposal. In addition, forty-five cubic yards of contaminated soil was excavated from the site and the soil was moved to a concrete pad located near Bldg. T-80. Soils were placed on and covered with plastic sheeting.

Following the removal of the contaminated soil, sixteen soil samples were collected at the site. Each sample was analyzed by a NJDEPE certified laboratory for Total PCBs and Total Petroleum Hydrocarbons (TPH) (See Attachment # 1). The results of the PCB analysis revealed that fifteen of the samples were below the NJDEPE's surface soil cleanup standard of 0.45 mg/kg for PCBs. The mean PCB value for the fifteen samples was 0.034 mg/kg. one of the sixteen samples had a PCB value above the NJDEPE's surface soil cleanup standard. Sample # 13 had a PCB value of 5.73 mg/kg. The results of the TPH analysis revealed that fifteen of the samples were below the NJDEPE's surface soil cleanup standard of 1,000 mg/kg for TPH. The mean TPH value for the fifteen samples was 122.5 mg/kg. Again, only one of the sixteen samples had a TPH value above the NJDEPE's surface soil cleanup standard. Sample # 13 had a TPH value of 7,685 mg/kg. Based on the analytical findings for sample # 13, an additional five cubic yards of soil was excavated from the site on February 10, 1993. The soil was combined with the previously excavated soils. Following the removal of the five cubic yards of soil, one additional soil sample (# 17) was collected and analyzed for PCBs and TPH (See Attachment # 2). The results for sample # 17 revealed a PCB value of 0.13 mg/kg and a TPH value of 504.6 mg/kg. Both of these values are below NJDEPE cleanup criteria for surface soils. On January 29, 1993, twenty additional soil samples were collected from areas surrounding the spill site and each sample was analyzed for TPH (See Attachment # 3). The results for all twenty samples were below the NJDEPE's surface soil cleanup standard of 1,000 mg/kg. The mean TPH value for the twenty samples was 87.3 mg/kg.

In summary, the final cleanup of the site resulted in the disposal of the three transformers, seven 55 gallon drums of PCB contaminated debris and fifty cubic yards of PCB contaminated soil. The three transformers and seven 55 gallon drums were manifested for proper disposal to Aptus Inc. on March 08, 1993 (See Attachment # 4). All PCB waste sent to Aptus, Inc. was slated for incineration. The fifty cubic yards of PCB contaminated soil was manifested for proper disposal to Chemical Waste Managent (CWM) on October 14, 1993 (See Attachment # 5). Soils are to be stabilized and placed into CWM's TSCA secure landfill.

Should you have any questions or concerns regarding this matter, please contact Mr. Joseph Fallon. He can be reached at the following telephone number: 908-532-6223.

Sincerely,

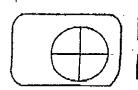
James Ott

Acting Director Directorate of Public Works

Enclosures

Ian Curtis, NJDEPE Walter Strucek, MCHD

Attachment #1



Princeton Testing Laboratory Inc.

P.O. Box 3108 3490 U.S. Route 1 Princeton, NJ 08543-3108 (909) 452-9050 (FAX) (609) 452-0347

E-Systems/Serv-Air P.O. Box 360 Fort Monmouth, New Jersey

Fort Monmouth, New Jersey 07703
Attention: Ms. Barbara O'Toole

J = Estimated Value Detected Below MDL

Report Date: 02/05/93 Job Number: 9300687-001 Date Received: 02.01.93

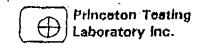
Analysis: Polychlorinated Bipheny Units; mg/kg	is, Oil, EPA 600/4-81-	-045		
Parameters	Sample I.D.: 113 890 1/2	35.4 044 Elect Oil 28/93	Blank 02/02/93	
Aroclor 1221		<5	<5	225 . 2
Aroclor 1016		5.9	<5	
Aroclor 1232		<5	<5	
Aroclor 1242	e e e e e e e e e e e e e e e e e e e		<5	
Aroclor 1248		<5	<5	
Aroclor 1254		<5	<5	
Aroclor 1260.	, in the second	<5	<5	•
RECOVERY DATA	QC LIMITS			
TCMX (Surrogate)	42-122%	55 - 1 - 1 74-1	124	
Analysis: Polychlorinated Biphenyls Units: mg/kg(dry weight)	s, SW, SW-846 8080	S#1	S#2	5#3
Paramecers	Sample I.D.: 113 · S#1 1/2	33.0 1 Bldg. 454 27/93	1133.1 5#2 Bldg. 454 1/27/93	1133.2 5#3 Bldg. 45 1/27/93
Aroclor 1221		< .05	<.05	<.05
Aroclor 1016		<.05	<.05	<.05
Aroclor 1232		<.05	<.05	<.05
Aroclor 1242	· · · · · · · · · · · · · · · · · · ·	<.05	<.05	<.05
Aroclor 1248		<.05	<.05	<.05
Aroclor 1254		<.05	<.05	<.05
Aroclor 1260		0.044	0.026	0.013 J
RECOVERY DATA	QC LIMITS	. ·	*	
TCMX (Surrogate)	42-1221	97	124	123



E-Systems/Serv-Air

Job Number: 9300687-001

Analysis: Polychlorinated Bipher Units: mg/kg(dry weigh	iyls, SW, SW-846 86 f)	080 5#4	5#5	5#6
Parameters	Sample I.D.:	1133.3 S#4 Bldg. 454 1/27/93	1133.4 S#5 Bldg. 454 1/27/93	1133.5 S#6 Bldg. 4 1/27/93
Aroclor 1221	Section Application (1) in the control of the contr	<.05	<,05	<.05
Aroclor 1016	The second of th	₹.05	<.05	<,05
Aroclor 1232		<.05	<.05	<.05
Aroclor 1242	•	<.05	<.05	<.05
Aroclor 1248		<.05	<.05	<.05
Aroclor 1254		<.05	<.05	<.05
Aroclor 1260	1 sa Van Hi	0.044	0.014 J	0.010
RECOVERY DATA	oc timi:	ા		والشواريع أتعد ويدري
TCMX (Surrogate)	42-1.27	93	97	11/6
J - Estimated Value Detect	ed Below MDL			
Analysis: Polychlorinated Bipheny Units: mg/kg(dry weight	vis, SW, SW-846 808)	30 S#7	5#8	5#9
Parameters	Sample I.D.:	1133.6 S#7 Bldg. 454 1/27/93	1133.7 S#8 Bldg. 454 1/27/93	1133.8 S#9 B1dg. 4 1/27/93
Aroclor 1221	and the state of t	<.05	<.05	<.05
Aroclor 1016		<.05	<.05	<.05
A.m. a 1 a m 1 1 1 2 2 2			the contract of the contract o	
Aroclor 1232	The state of the s	<.05	######################################	<.05
Aroclor 1232 Aroclor 1242		<.05 <.05	<.05	
•	The second s			<.05
Aroclor 1242		<.05	<.05	<.05 <.05
Aroclor 1242 Aroclor 1248		<.05 <.05	<.05 <.05	<.05 <.05 <.05
Aroclor 1242 Aroclor 1248 Aroclor 1254	óc-Tihil	<.05 <.05 <.05 0.0096 J	<.05 <.05 <.05 0.026	<.05 <.05 <.05 <.05
Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260	• • • • • • • • • • • • • • • • • • • •	<.05 <.05 <.05 0.0096 J	<.05 <.05 <.05 0.026	<.05 <.05 <.05 <.05 0.022



E-Systems/Serv-Air

Job Number: 9300687-001

Analysis:	Polychlorinated Biphe Units: mg/kg(dry weig	enyls, SW, SW-846 80 ht)	080 5#10	5#11	5#1.
Paramete	rs	Sample I.D.:	1133.9 \$#10 Bldg. 454 1/27/93	1133.10 \$#11 Bldg. 454 1/27/93	1133.11 \$#12 B1dg 1/27/93
Aroclor 1	L221		<.05	<.05	<.05
Aroclor 1	L016		<.05	<.05	<.05
Aroclor I	232	managarah dari dari dari dari dari dari dari dari	<.05	<.05	< .05
Aroclor 1	.242		<.05	<.05	<.05
Aroclor l	248		<.05	<.05	<.05
Aroclor 1	254		<.05	<.05	<.05
Aroclor 1	260		0.0085 J	0,038	0.019
RECOVERY	DATA	de Timi	rs		
TCMX (Sur	rogate)	42-122	24 few - 4.12 Julius - 1	la a. aast 110 2500 (g.s.)	1.45
J = Est	imated Value Detec	ted Below MDL			
Analysis:	Polychlorinated Bipher Units: mg/kg(dry weigh	nyls, SW, SW-846 808	80 S# 13	S#14	5#15
Analysis:	Polychlorinated Bipher Units: mg/kg(dry weigh	nyls, SW, SW-846 808	80 S# 13 1133.12 5#13 B1dg. 454 1/27/93	S#14 1133.13 S#14 B1dg. 454 1/27/93	5#15 1133.14 5#15 Bldg. 1/27/93
Analysis:	Polychlorinated Bipher Units: mg/kg(dry weigh	nyls, SW, SW-846 809 nt)	1133.12 5#13 Bldg. 454	1133.13 \$#14 Bldg. 454	1133.14 S#15 Bidg.
Analysis:	Polychlorinated Bipher Units: mg/kg(dry weigh	nyls, SW, SW-846 809 nt)	1133.12 5#13 Bldg. 454 1/27/93	1133.13 S#14 Bldg. 454 1/27/93	1133.14 S#15 Bldg. 1/27/93
Analysis: Parameter Aroclor 1:	Polychlorinated Bipher Units: mg/kg(dry weigh s 221 016	nyls, SW, SW-846 809 nt)	1133.12 5#13 Bldg. 454 1/27/93 < 05	1133.13 S#14 Bldg. 454 1/27/93 <.05	1133.14 S#15 Bidg. 1/27/93 <.05
Analysis: Parameter: Aroclor 1: Aroclor 1:	Polychlorinated Bipher Units: mg/kg(dry weigh 221 016	nyls, SW, SW-846 809 nt)	1133.12 \$#13 Bldg. 454 1/27/93 < 05 < 05	1133.13 S#14 Bldg. 454 1/27/93 <.05	1133.14 S#15 Bldg. 1/27/93 <.05
Analysis: Parameter: Aroclor 1: Aroclor 1: Aroclor 1:	Polychlorinated Bipher Units: mg/kg(dry weigh 221 216 232	nyls, SW, SW-846 809 nt)	1133.12 5#13 Bldg. 454 1/27/93 < .05 < .05	1133.13 \$#14 Bldg. 454 1/27/93 <.05 <.05	1133.14 S#15 Bldg. 1/27/93 <.05 <.05
Analysis: Parameter: Aroclor 1: Aroclor 1: Aroclor 1: Aroclor 1:	Polychlorinated Bipher Units: mg/kg(dry weigh s 221 232 242	nyls, SW, SW-846 809 nt)	1133.12 \$#13 Bldg. 454 1/27/93 < 05 < .05 < .05 < .05 < .05 < .05 < .05	1133.13 S#14 Bldg. 454 1/27/93 <.05 <.05 <.05 <.05 <.05 <.05	1133.14 S#15 Bldg. 1/27/93 <.05 <.05 <.05 <.05 <.05
Analysis: Parameter: Aroclor 12 Aroclor 12 Aroclor 12 Aroclor 12	Polychlorinated Bipher Units: mg/kg(dry weigh 221 216 232 242 248	nyls, SW, SW-846 809 nt)	1133.12 \$#13 Bldg. 454 1/27/93 < 05 < .05 < .05 < .05 < .05 < .05 < .05	1133.13 S#14 Bldg. 454 1/27/93 <.05 <.05 <.05 <.05 <.05	1133.14 S#15 Bldg. 1/27/93 <.05 <.05 <.05 <.05 <.05
Analysis: Parameter: Aroclor 12 Aroclor 12 Aroclor 12 Aroclor 12 Aroclor 12	Polychlorinated Bipher Units: mg/kg(dry weigh s 221 222 242 248 254 260	syls, SW, SW-846 808	1133.12 \$#13 Bldg. 454 1/27/93 < 05 <.05 <.05 <.05 <.05 <.05 <.05 <.73	1133.13 S#14 Bldg. 454 1/27/93 <.05 <.05 <.05 <.05 <.05 <.05	1133.14 S#15 Bldg. 1/27/93 <.05 <.05 <.05 <.05 <.05 <.05 <.05
Analysis: Parameter: Aroclor 1: Aroclor 1:	Polychlorinated Bipher Units: mg/kg(dry weigh 221 216 232 242 248 254 260	nyls, SW, SW-846 800 Sample I.D.: QC LIMIT	1133.12 \$#13 Bldg. 454 1/27/93 < 05 < .05 < .05 < .05 < .05 < .05 < .73	1133.13 S#14 Bldg. 454 1/27/93 <.05 <.05 <.05 <.05 <.05 <.05 <.105 <.105 <.105	1133.14 S#15 Bldg. 1/27/93 <.05 <.05 <.05 <.05 <.05 <.05 <.05



E-Systems/Serv-Air

Job Number: 9300687-001

Analysis: Polychlorinated B Units: mg/kg(dry v	iphenyls, SW, SW-846 6080 veight)	5#10 corre	T	_
Parameters	Sample I.D.:	113 3,15 1623 1/28/93 5#/	Blank 02/03/93	
Aroclor 1221	en la companya de la	<.05	<.05	e e de la constante de la cons
Aroclor 1016		< 05	< D5	
Aroclor 1232		< . U >	<.05	
Aroclor 1242		<.05	<.05	
Aroclor 1248		<.05	<.05	
Aroclor 1254	e	<.05	<.05	
Aroclor 1260		0.057	<.05	· •
RECOVERY DATA	OC LIMITS		;	
TCMX (Surrogate)	42-122%	86	112	

Report of Analysis U.S. Army, Fort Monmouth Environmental Laboratory NJDEPE Cert. # 13461

Client: U.S. Army, FM

Project: Sample Rec'd: Bldg. 454

DEH

Start: Complete: 01/27/93 01/28/93

01/29/93

Analysis: TPH Matrix: Soil

	.==========	=======	=======	====:	=======	
Lab. ID	Description	mg/L	grams	% S	mg/Kg	D. Limit
	=========	=======	======	=====	=======	
1133.0	S#1	54.5	30	87	208.8	3.3
1133.1	S#2	6.6	30	86	25.6	3.3
1133.2	\$#3	7.8	30	81	32.1	3.3
1133.3	S#4	8 9. 9	30	91	329.3	3.3
1133.4	S#5	18.3	30	8 9	68.5	3.3
1133.5	S#6	1.5	30	82	6.1	3.3
1133.6	S#7	9.7	30	86	37.6	3.3
1133.7	S# 8	20.3	30	85	79.6	3.3
1133.8	S# 9	5.4	30	81	22.2	3.3
1133.9	S#10	18.8	30	87	72	3,3
1133.10	S#11	6.6	30	87	25.3	3.3
1133.11	S#12	7.8	30	82	31.7	3.3
1133.12	S#13	1002.	15	87	7685.1	40
1133.13	S#14	83.2	30	87	318.8	3.3
1133.14	S#15	43.9	30	8 9	164.4	3.3

Notes:

ND = Not Detected, ERR = Not Detected mg/Kg value is based on dry weight

Brian K. McKee

Laboratory Director

Report of Analysis

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEPE Cert. # 13461

Client:

U.S. Army, FM

Project:

Bldg. 454

DEH

Sample Rec'd:

01/28/93

Start:

01/28/93

Complete:

01/28/93

Analysis: TPH

Matrix: Soil

Lab.	ID	Description	mg/L	grams	% S	mg/Kg	D. Limit
=====	=======		======	=======	=====	=======	
113	35.0	Site #16	105.8	30	85	414.9	3.3

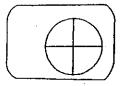
Notes:

ND = Not Detected, ERR = Not Detected mg/Kg value is based on dry weight.

Brian K. McKee

Laboratory Director

Attachment #2



Princeton Testing Laboratory Inc.

P.O. Box 3108 3490 U.S. Route 1 Princeton, NJ 08543-3108 (609) 452-9050 (FAX) (609) 452-0347

E-Systems/Serv-Air P.O. Box 360

Fort Monmouth, New Jersey 07703

Attention: Brian McKee

Report Date: 02/19/93 Job Number: 9301067-001 Date Received: 02/17/93

P.O. # R3-0902

Page: 1

Analysis: Polychlorinated Bipheny Units: mg/kg(dry weight)	ls, SW, SW-846 8080	S#17	
Parameters	Sample I.D.:	1145.2 Bla 2/10/93	nk 02/18/93
Aroclor 1221		<.2	<.2
Aroclor 1016		<.1	<.1
Aroclor 1232		<.1	<.1 <.1
Aroclor 1242		<.1	<.1
Aroclor 1248		<.1	<.1
Aroclor 1254		<.1	<.1
Aroclor 1260		0.13	<.1
RECOVERY DATA	QC LIMITS	ere e de la companya	
CCMX (Surrogate)	42-122%	68	83

S. O. Hubband Prec. 2-25-93

Jane Dennison, Ph.D., CIH Supérvisor G.C. Laboratory Report of Analysis

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEPE Cert. # 13461

U.S. Army, FM Client:

DEH

Project:

Bldg. 454

Sample Rec'd:

02/10/93 02/18/93

Start: Complete:

@2/18/93

Analysis: TFH Matrix: Soil

Lab.	ΙD	Description	mg/L	grams ·	%S	mg∕Kg	D. Limit			
====	======		======	=======	====	=======	========			
1	145 1	Site # 17	131.7	30	87	504.6	3.3			

ND = Not Detected Notes

mg/Kg value is based on dry weight.

Sample exceeded holding time

Brian K. McKee

Laboratory Director

Attachment #3

Report of Analysis U.S. Army, Fort Monmouth Environmental Laboratory NJDEPE Cert. # 13461

Client:

U.S. Army, FM

DEH-

Project:

Sample Rec'd:

Start:

Bldg. 454

01/29/93 01/29/93 01/29/93

Complete:

Analysis: TPH Matrix: Soil

				=====	=======	
Lab. ID	Description	mg/L	grams	% S	mg/Kg	D. Limit
=========	=======================================	***			44.0	^ ^
1137.0	A	11.4	30	81	46.9	3.3
1137.1	В	10.7	30	79	45.1	3.3
1137.2	Ċ	8.36	30	79	35.3	3.3
1137.3	D	6.04	30	76	26.5	3.3
1137.4	Ε	12.6 *	30	78	53.8	3.3
1137.5	F	41.5 *	30	77	179.7	3,3
1137.6	G	23.4 *	30	83	94	3.3
1137.7	Н	17.6	30	82	71.5	3.3
1137.8	I	28 .	30	80	116.7	3.3
1137.9	, l	4.12	30	77	17.8	3.3
1137.10	K	23.8	30	81	97.9	3.3
1137.11	L	137.8 *	30	80	574.2	3.3
1137.12	M ·	6.82	30	″ 8 5	26.7	3.3
1137.13	N	9.51	30	84	37.7	3.3
1137.14	0	11.4 *	30	83	45.8	3.3
1137.15	P	3.73	30	91	13.7	3.3
1137.16	Q -	4.89	30	85	19.2	3.3
1137.17	R	13.8	30	78	59	3.3
1137.18	S	22.2	30	85	87.1	3.3
1137.19	Ť	23	30	79	97	3.3

Notes: ND = Not Detected, ERR = Not Detected

mg/Kg value is based on dry weight.

* Silica Gel Added

Brian K. McKee

Laboratory Director



State of New Jersey Department of Environmental Protection Division of Hazardous Waste Management Manifest Section CN 028; Trenton, NJ 08625 Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039. Expires 9-34

Ī	UNIFORM HAZARDOUS WASTE MANIFEST	Generators US EPA ID No.	Manifest 2 Page 1 Information in the shaded are sometimes of 2 is not required; by Feder law:
	3. Generator's Name and Mailing Address HAZAR DOUS WASTE FACIL;	TV 945T9 18 THE	A. State Manifest Document Number
ľ	SELEN -EHEVBLAG-121	DE AM-HW OF	となりません
	4. Generator's Phone (908)544-401		SAME Y
	5. Transporter 1:Company Name	6US EPA ID Nu	IIDer
l	7. Transporter 2 Company Name	p Inc. N J D 0 0 0 6 9	
П	7. Fransporter 2 Configure Addition		D. Transporter's Phone (2013-73-7-8200) E. State Trans. ID
П	9. Designated Facility Name and Site Address	10. US EPA ID Nur	
	Aptus, Inc.		F, Transporter's Phone ()
П	P.O. Box 1328/Hwy. 169 Nor Coffeyville, XS 67337	tn 	G. State Facility's ID 6 0 2 5 H. Facility's Phone (318) 251 6380
			12. Containers 13. 14.
!	11. US DOT Description (Including Proper Shippin	g Name, Hazard Class, and ID Number)	No. Type Quantity WtVoll Waste No.
G	RQ HAZARDOUS SUBSTANCE, H	42 N	100 gr. 100
N	ORM-E, NA 9188 (POLYCHIA		201 CIMO 021618 K X 715 13
R	h		
T	New Jersey waste F	C 10 2 0 2 4 4 4 14 16 10 2	1 43 5 4 49 70 F 19 7 5 3
R	c	<u> </u>	0/03 CM 009 70 K XI 7153
İ	New Joisey waste PC	B 55.499PDm	
			0,070,mag7,67 K 8751
	d.	and the second of the second o	
		ا از این به این	
ľ	J. Additional Descriptions for Materials Listed Abo	。	K Handling Codes for Wastes Listed Above 13
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	BRENDERCY HUNGER	FRE	B/ ADMI GGSOD
ſ	proper-shipping name and are classified, packed	, marked, and labeled, and are in all respects	fully and accurately described above by in proper condition for transport by highway
-	according to applicable international and national		nd toxicity of waste generated to the degree I have determined to be
	economically practicable and that I have selected to future threat to human health and the environment	he practicable method of treatment, storage, o : OR, if I am a small quantity generator. I have i	r disposal currently available to me which minimizes the present and made a good faith effort to minimize my waste generation and select
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	Printed/Typed Name ASA BOI/O	Signature	Dy By (10) 3089:
	18. Transporter 2 Acknowledgement of Receipt of M	aterials	The same of the sa
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	20. Faculty Owner or Operator: Certification of recei	pt of hazardous materials covered by this ma	nifest except as noted in Item 19.
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GENERATOR MANIE FT MOMONTH NO		MANIFEST NUMBER PA	ICE Z
This continuation sheet to	ntains the inform:		
PCB WASTE TYPE	1.17.//	TATE RESERVED FROM	
DTRANSF CILL < 500 FRM	9337366	12-14-92	308
2) TOAWH FULL SOOPPON	9335642	12.14.92	318
3) 70 pas (Pul < 500 Apon	933.5649	12-14-92	343
4) TRANSP BANK Dry SOOPM	001	10-1-92	268
STDrun of Debris 2500 from	. 1	1-28-73	225
Storemal Dobpic < 500 Pm	2	1-28-83	16.5
5) Drum of Delic < 500 Pm	3	1-78-93	47
5) Drum of Dobbis <500 fpm	4	1-28-93	55 '
5) Trum of Dalpis < 500 ffm	5	1-28-93	29
5) Draw of DobRISTER flow	6	1-28-93	181
5) Drum of Dobois <500 flow	7	1-28-93	
			
CERTIFICATION: I certify the information listed above	e necurately descr	thes all of the PCB Weste	econtained on this manifest.
SIGNATURE	E Sheet	luo	
TITLE	GAST	CHPMINLS	
DATE 3/8/93	:	•	
IF MORE SPACE IS NE	EDED - PLEASI	E USE ANOTILER CONT	INUATION SILECT

48-14-1 (3/89)---7f



In case of emergency or spill immediately call the National Response Center (600) 424-8802 and the N.Y. Dept. of Environmental Conservation (518) 457-7362.

STATE OF NEW YORK

LPARTMENT OF ENVIRONMENTAL CONSERVATION

DIVISION OF HAZARDOUS SUBSTANCES REGULATION

HAZARDOUS:WASTE MANIFEST

Please print or type. Do not Staple.

P.O. Box 12820, Albany, New York 12212

Form Approved, OMB No. 2050-0039, Expires 9-30-94 --

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's	US EPA No.	, Doc	ifest ument No		Page 1			the shaded areas by Federal Law.
3. Generator's Name and Malling Address U.S. Army Communications Main Post Ft. Monmout	Command				B.24	State Man NY: Senerator	B.5-1	17	674 <u>3</u>
4. Generator's Phone 908 332-6223					(a)	Mate Tees			
5. Transporter 1 (Company Name)		6. US EPA ID N		101/10					12589-1600
Merola Enterprises Inc. 7. Transporter 2 (Company Name)		N J D 9 8 8. US EPA ID N		191415					***N/A=
7. Transporter 2 (Company Name)		O. US EFAILU					•) N/A
9. Designated Facility Name and Site Addres		10. US EPA ID	Number			State Faci			N/A
CWM	Model City						,		Ag · N/Ax
Chemical Services Inc.	Model Ofly	NI 14107			Н. 1	acility's f	hone_		
1550 Balmer		NY D 0 4	9181316	161719		⁽ 716 ⁾	754-	8231	
				12. Cor		13		14.	
11. US DOT Description (Including Proper Shi	pping Name, Haza	ard Class and ID N	lumber)	No.	! Type	Tol		Unit Wt/Vol	l. Waste No.
^a -RQ Environmentally Hazardo (Contains Polychorinated I	ous Substan Siphenls)	ce, Solid.	Nos			13.7	64	K	EPA
Hazard Class 9 UN 3077	•			0 0 1	DIT	01010	1117	Γ	N 816 X7
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15. Special Handling Instructions and Addition Service No. 30820-3 Emergency No. 1 908-544-22							-		
16. GENERATOR'S CERTIFICATION: I here classified, packed, marked and labeled, and are regulations and state laws and regulations. If I am a large quantity generator, I certify that I he practicable and that I have selected the practicab health and the environment; OR if I am a small ger	in all respects in pro we program in place : le method treatment.	per condition for tra to reduce the volume storage, or disposal	nsport by high and toxicity of currently avail	way accord waste geni able to me	ling to a crated to which m	opticable in the degree inimizes the	iternation I have des e present	al and no termined and futu	ational government to be economically tre threat to human
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Printed/Typed Name		Signature	/	(Om		- 00		٨	do. Day Year
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17. Transporter 1 (Acknowledgement of Receip	t of Materials)		V		/	<u> </u>			
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Printed/Typed Name	• •	Signature						٨	lo. Day Year
<u> </u>									<u> </u>
19. Discrepancy Indication Space					,				
20. Facility Owner or Operator: Certification of	receipt of hazard	ous materials cov	ered by this	manifest	except	as noted	in Item	19.	
Printed/Typed Name		Signature		7					fo. Day Year



In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the N.Y. Dept. of Environmental Conservation (518) 457-7362.

STATE OF NEW YORK

LEPARTMENT OF ENVIRONMENTAL CONSERVATION

DIVISION OF HAZARDOUS SUBSTANCES REGULATION

Please print or type. Do not Staple.

P.O. Box 12820, Albany, New York 12212

Form Approved. OMB No. 2050-0039, Expires 9-30-94

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	UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's N J 3 2 1	US EPA No. 0 0 2 0 5 9	, Doo	nifest sument N		Page 1 of			the shade by Federa	
	3. Generator's Name and Malling Address U.S. Army Communications Main Post	Electronic	es Command			Α.	State Ma NY	B51	chinent	65	2
	Ft. Monmouth, NJ 4. Generator's Phone 908 532-6223					Buil	Generato	r's ID.			• • • • • • • • • • • • • • • • • • • •
	5. Transporter 1 (Company Name)		6. US EPA ID Nur	nber ··	-					DEP572	
	Merola Enterprises, Inc		1816 DEFIN	161019	19141	9 D.	Transport	ter's Pho	ne (20	1:)589=	1600
	7. Transporter 2 (Company Name)		8. US EPA ID Nur	nber			State Tra			N/A:	
						→	Fransport) N/.	<u>A</u>
	9. Designated Facility Name and Site Addres CWM Chemical Services, Inc	s Model City,	10. US EPA ID Nu NY 14107	mber		G.	State Fac	ility's ID		N/A	 <u></u>
	1550 Balmer		N Y D 0 4 <u> 9</u>	81316	161715		Facility's		8231		******
	11. US DOT Description (Including Proper Shi					ntainers Type	To	3. otal intity	14. Unit	I. Waste	No.
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	15. Special Handling Instructions and Addition Service No. 30820-2	nai information		•							
	Emergency No. 1-908-544-2	222								· <u>.</u> .	·
	 GENERATOR'S CERTIFICATION: I here classified, packed, marked and labeled, and are regulations and state laws and regulations. 										
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}	to me and that I can afford. Printed/Typed Name		Signature A				-01			Mo. Day	Year
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In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the N.Y. Dept. of Environmental Conservation (518) 457-7362.

STATE OF NEW YORK

_CPARTMENT OF ENVIRONMENTAL CONSERVATION

DIVISION OF HAZARDOUS SUBSTANCES REGULATION

HAZARDOUS WASTE MANIFEST

Please print or type. Do not Staple.

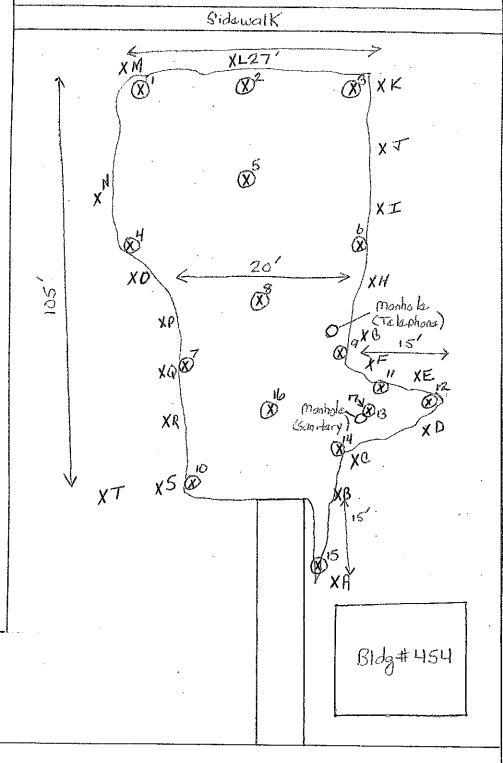
P.O. Box 12820, Albany, New York 12212

Form Approved, OMB No. 2050-0039, Expires 9-30-94

_	UNIFORM TIAZARDOG	. Generator's US EPA I J 322 1 0 0 2	Docu	fest ment No.	2. Page 1 of		the shaded areas d by Federal Law.
	3. Generator's Name and Mailing Address U.S. Army Communications El	· ·			A. State Ma	B.5.117	126-12
	Main Post Fort Monmouth, New Jersey 4. Generator's Phone (908) 532-6223				B. Generato	13 m	
	5. Transporter 1 (Company Name) Merola Enterprises Inc.	4	PA ID Number 19 8 6 6 0 9	01410			IDEE57277 1₹589—1600
	7. Transporter 2 (Company Name)		PA ID Number	71417		naporter's ID:M	
						er's Phone ()-N/A
	Designated Facility Name and Site Address CWM Mod		EPA ID Number L4107		G. State Fac	cility's ID	N/A
	Chemical Services Inc. 1550 Balmer	מוצוע	10 4 9 8 3 6	6 17 19	-	754-8231	
	11. US DOT Description (Including Proper Shippin			12. Conta	To	3. 14. otal Unit	I. Waste No.
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ATTACHMENT B

Field Notes and Sample Locations



LEONARD AVENUE

X-TPH Samples -36 0- PCB Samples - 16

Sample #151-15 collected on 01/27/93. Sample # 16 collected on 01/28/93.

869 # 456

" Date: 12/11/92 Time: Approx. 1:00pm

PCB Contaminated Oil Release: 3-50 KVA transformer Spill Location: Bklg. 456 - Corner of Leonard an + Wade Street

- 1) GE 5N: 9337366 (mpzig) PCB Content 469 ppm La Contento spilled.
- DGE SN: 9335642 (MP220) PCB Content 484 ppm
 La Contento poilled.
- 3 GE-5N: 9335649 (MP2ZI) PCB Content-446ppm La Contento did mot spill.

Cach transformer contained approximately 48 gellor of PCB-Contaminated Cleatrical Oil.

Regulatory agencies Notified:

- O National Response Center (1-800-424-8802)

 motified by Joe Fallon date: 12/14/92 time: 0930

 Case # 148988 agency Rep: Petty Officer Craft
- 2) USEPA Region II TSCA Section, Colson NJ 908-321-6669 notified by for Fellon-12/14/92-094 agency Rep: Dan Craft

ATTACHMENT C

Analytical Results

Report of Analysis U.S. Army, Fort Monmouth Environmental Laboratory NJDEPE Cert. # 13461

Client: U.S. Army, FM

Project:

Bldg. 454

DEH

Sample Rec'd:

01/27/93

Start:

01/28/93

Complete:

01/29/93

Analysis: TPH Matrix: Soil

		======	-======	=====		
Lab. ID	Description	mg/L	grams	% S	mg/Kg	D. Limit
				_ = = = = :		*========
1133.0	S#1	54.5	30	87	208.8	3.3
1133.1	S#2	6.6	30	86	25.6	3.3
1133.2	S#3	7.8	30	81	32.1	3.3
1133.3	S#4	89.9	30	91	329.3	3.3
1133.4	S#5	18.3	30	89	68.5	3.3
1133.5	S#6	1.5	30	82	6.1	3.3
1133.6	S#7	9.7	30	86	37.6	3.3
1133.7	S# 8	20.3	30	85	79.6	3.3
1133.8	5#9	5.4	30	81	22.2	3.3
1133.9	S#10	18.8	30	87	72	3.3
1133.10	S#11	6.6	30	87	25.3	3.3
1133.11	S#12	7.8	30	82	31.7	3.3
1133.12	S#13	1002.	15	87	7685.1	40
1133.13	S#14	83.2	30	87	318.8	3.3
1133.14	S#15	43.9	30	89	164.4	3.3

ND = Not Detected, ERR = Not Detected mg/Kg value is based on dry weight

Brian K. McKee

Laboratory Director

CHAIN OF CUSTODY RECORD

BLDG #	PROJECT			7 :		/ 	
454	PLB G	of Soull Romandiation		ANA	LYSIS REQ		
SAMPLERS:	OF	st Spill Revordiation	NO.		////		
	5.R.		OF	69///			REMARKS
SAMPLE DATE		.	CON- TAINERS		///		<u> </u>
NO.	5 5		'	[] [[[/ T5%	Wt.	Post 0/0
1133.0 1/2	7 1550 X	<u> </u>	/			19.008	16.693 87
1/33 - 1		132	1	X		25.292	21.640 86
1/33.2	1558 X	543	1	\times		19.740	16.004 81
1133.3	1602 X	544	1	X		15.083	15,795 91
1133.4		546	/	\times		20.747	18.553 89
1133.5	1606 7		1	\times		21.425	17.586 82
11336	1609 ×	5 #7	1	メ		17.679	14.737 86
1133.7	1613 >	528		X		27.874	23.826 85
1133.8	1616 7	5#9	1	×		18.382	14.891 81
1133.9	1619 >	(5 [#] 10	1	×		21.026	18.323 87
1133.10	1622 >	5411	1	X		15.033	13.055 87
113.11	1624	(54)2	1			12.521	10.312 82
1133-12	1626 >	5213	1	X		19.82	17.277 87
- 11.33.13	1629 X	5#14	1	×		16.450	14.310 87
7/33.14	1631 X	5#15 V	1	X		29.703	26,495 89
Relinquished b	y: (Signature)	Date/Time Received by: (Signat	ture)	Relinquished by: (Si	gnature) Dat	te/Time	Received by: (Signature)
Relinquished b	y: (Signature)	Date/Time Received by: (Signat	ture)	Relinquished by: (Si	gnature) Da	te/Time	Received by: (Signature)
Relinquished b	y: (Signature)	Date/Time Received for Labora (Signature)	atory by:	Date/Time	Remarks		
L		1 X wan 1	MUNICIPALITY	-10/10/10/1	-		

* Silvia I'll added to extraction

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Report of Analysis

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEPE Cert. # 13461

Client:

U.S. Army, FM

DEH

Project:

Bldg. 454

Sample Rec'd:

01/28/93

Start:

01/28/93

Complete:

01/28/93

Analysis: TPH Matrix: Soil

Lab. ID	Description	mg/L	grams	%5	mg/Kg	D. Limit
			=======	=====	=======	==========
1135.0	Site #16	105.8	30	85	414.9	3.3

Notes:

ND = Not Detected, ERR = Not Detected mg/Kg value is based on dry weight.

> Brian K. McKee Laboratory Director



Privity Phense

	· 	JH. Mo	СН	AIN OF	CUSTO	DY REC	CORD		
	CLIENT:	JH. Ma	mout	h			PROJECT	ID:	
	ADDRESS:						SAMPLER	90	e follow
	CITY/STATE	8 = -					PHONE #:		
	LAB ID #	SAMPLE ID	CAMBLE	CAMPLE		MOLETY	·nc		ANALYSIS DEGUESTED
#15	LAB ID #	SAMPLEID	SAMPLE DATE	SAMPLE TIME	GRAB-	MPLE TY SOIL	COMP	NO. OF BOTTLES	ANALYSIS REQUESTED
-	1135-0	8623	1-28-93	1646	wipe w/herne				PCB -
	1135, [B454 Site = 16	1-28-93	1420		×			PCB - TPH total PCB -
#13	1135.2	B623	1-28-93	1210					total ACB -
#14	1135,3	B623	1-28-93	1215					total PCB -
	1135.4	B9044 011	1-28-93	1530		-			total PCB
						<u> </u>	ļ		
	• .		· · · · · · · · · · · · · · · · · · ·						
				:					
	SAMPLE COLLECTED E		<u>DATE</u> 1-ッなのる	1550		NaOH	H2SO4	HNO3	NONE) OTHER
	RELINQUISHE	D BY:	- W 10	1.)	RECEIVED	BY:		. /	
				·	Ja	ich	(Hull	ard
	Lebrah	J. Hubbard	1-299	31300	// 7	TCV,	f//		

Report of Analysis U.S. Army, Fort Monmouth Environmental Laboratory NJDEPE Cert. # 13461

Client:

U.S. Army, FM

DEH

Project:

Bldg. 454 01/29/93

Sample Rec'd: Start:

01/29/93

Complete:

01/29/93

Analysis: TPH Matrix: Soil

			==:	=====	.=====	=======	
Lab. ID	Description	mg/L	,	grams	% S	mg/Kg	D. Limit
	=========		==:	=====	======	=======	
1137.0	A	11.4		30	81	46.9	3.3
1137.1	В	10.7		30	79	45.1	3.3
1137.2	Ç	8,36		30	79	35.3	3.3
1137.3	D	6.04		30	76	26.5	3.3
1137.4	Ε	12.6	*	30	78	53.8	3.3
1137.5	F	41.5	*	30	プ フ	179.7	3.3
1137.6	G	23.4	*	30	83	94	3.3
1137.7	Н	17.6		30	82	71.5	3.3
1137.8	I	28		30	80	116.7	3.3
1137.9	J	4.12		30	77	17.8	3.3
1137.10	K	23.8		30	81	97.9	3.3
1137.11	L	137.8	*	30	80	574.2	3.3
1137.12	М	6.82		30	85	26.7	3.3
1137.13	N	9.51		30	84	37.7	3.3
1137.14	0	11.4	*	30	83	45.8	3.3
1137.15	P	3.73		30	91	13.7	3.3
1137.16	Q	4.89		30	85	19.2	3.3
1137.17	Ŕ	13.8		30	78	59	3.3
1137.18	S	22.2		30	85	87.1	3.3
1137.19	Ť	23		30	79	97	3.3

Notes:

ND = Not Detected, ERR = Not Detected mg/Kg value is based on dry weight. * Silica Gel Added

Brian K. McKee

Laboratory Director

						CHAIN C	F CUSTO	DY RE	COR	D			pagel of 2
BLDG	54	PROJEC PC		int	Remedia VSKy	tien	NO.		F	At	NALY	SIS	S REQ
AMPLER	13:	R	och	ko	usky		OF CON-	/,	,/	/,	//	//	REMARKS
SAMPLE NO.	DATE	TIME	сошр	grab	SAMPLE	LOCATION	TAINERS	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\					
137,0	1/29	0956		X	55 #A		/	×	ļ				
137.1	1	1005	1		55#B		/_	<u> </u>	 	<u> </u>			
137.Z		1006			55#C		/	\times	-	-			
137.3		1009		11_	55#D		/	\times	-	-			
137.4	1_1	1011	ļ	Щ.	55 # E		/	X	-	-			`
137.5		1013	+	11	55ªF		/	X		-			
137.6		1015	1	11	55 #G		/	×		_			· · · · · · · · · · · · · · · · · · ·
137,7	<u> </u>	1016	\$	\coprod	55#H	·		×		-			
737.8		1018	3	\prod	55#I		/	×		-	-		
737.9 או		1023	3	\coprod	55#J		2		-				
1137.10	1	1026	<u> </u>	\coprod	55#X				-	+			
//37.//	<u> </u>	1029			55#4		 / 	X					
1137.12	4	103			55×10		/ -	 		-	-		
1137.13		1033	3	+	SSAN		/ _	×	-	-	+	-	
1137.14		/03		Ŋ.	55 40 Date/Time	Received by: (Signa	/ //	Relina	uishe	d by:	(Sign:	ature)	Date/Time Received by: (Signature)
Relinqui	ished b	y: (Signa	iture)	\downarrow	Date/Time	neceived by (Signa	atore,						
Relinqu	ished t	y: (Signa	iture).	\downarrow	Date/Time	Received by: (Signa	ature)	Relino	juishe	ed by:	(Sign	ature)	Date/Time Received by: (Signature)
		oy: (Signi	ı		Date/Time 1/29/93/1134	Received for Labor (Signature)	ratory by:		Date	e/Tim	e	Rema	arks

* Silica Itel added to extraction.

janggi yangsunya.

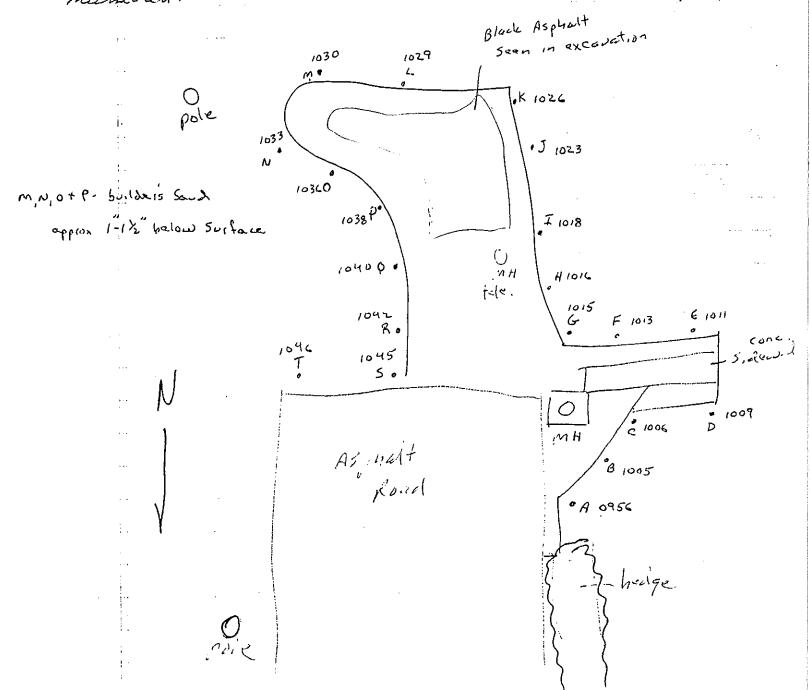
page 2 of 2

CHAIN OF CUSTODY RECORD BLDG # PROJECT ANALYSIS REQ PCB Cost. Ramadiation Rochkovsky 454 NO. SAMPLERS: OF REMARKS CON-**TAINERS** SAMPLE DATE TIME SAMPLE LOCATION × 55#P 1137,15 1/29 1038 7 55#0 1040 1137.16 55#R 1042 1137.17 × 5545 1 1137,18 1045 X 55#T 1137,19 1046 Date/Time Received by: (Signature) Relinquished by: (Signature) Received by: (Signature) Date/Time Relinquished by: (Signature) Date/Time Received by: (Signature) Relinquished by: (Signature) Received by: (Signature) Date/Time_ Relinquished by: (Signature) Date/Time Remarks Received for Laboratory by: Date/Time Relinquished by: (Signature) Rolleonly

1/29 weatler-Mid 30's wand N.

Regnest of TPHC namples (1-402 WM) l'out fin execution +
helow 500 every 10' Linear feet

w.11 be labeled ALPHABETICALLY. (Somples in exc



Report of Analysis U.S. Army, Fort Monmouth Environmental Laboratory NJDEPE Cert. # 13461

Client: U.S.

U.S. Army, FM

DEH

Project:

Bldg. 454

Sample Rec'd:

02/10/93

Start:

02/18/93

Complete:

02/18/93

Analysis: TPH Matrix: Soil

Lab.	II)	Descript	i.on	mg/L	grams	7.8	mg/Kg	D.,	Limit
22 E1 E1 E1 10 E			: ==: == :== :== :== :	22 431 511 213 213 21 1 211 211	3 kg sa 50 23 Mg 24 Cg 2			:= == == ==	
1	145.1	Site #	17	131.7	30	87	504.6		3.3

Notes: ND = Not Detected

mg/Kg value is based on dry weight.

Sample exceeded holding time

Brian K. McKee Laboratory Director

CHAIN OF CUSTODY RECORD

BLDG	# Т.	200 150			·	,						-			
		PROJEC										Αſ	NALY	SIS	S REQ /
45	4 1	50)	7/	. (clea.	3-01	2 🗧	NO.			/-		7	7	777
SAMPLER	RS:]					/		/ / /
	\mathbb{R}	02h1	COV	13K	clea.			OF							REMARKS
SAMPLE NO.	DATE	TIME	сошр	grab		SAMPLE	LOCATION	CON- TAINERS	1	\				/,	
1145,1	2-10	1010		X		ガノフ		/	X					7	75% PreWt. / Post Wt.
		10,0					. ,							_	75% PreWt. / Post Wt. 26.988 23,563
•														-	25,565
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				-											
Relinquis					Date	/Time	Received for Labora	itory by:		Ċ	ate/	Time	R	emai	arks
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