



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

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

31 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 Decemeber 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

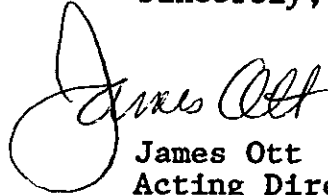
not resume at the site until January 27, 1993. On said day, all remaining pads and plastic sheeting were drummed for disposal. In addition, forty-five cubic yards of contaminated soil was excavated from the site and the soil was moved to a concrete pad located near Bldg. T-80. Soils were placed on and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

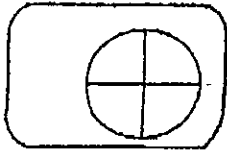
Sincerely,

A handwritten signature in cursive script that reads "James Ott". The signature is written in black ink and is positioned to the left of the typed name.

James Ott
Acting Director
Directorate of Public Works

Enclosures

cc: Ian Curtis, NJDEPE
Walter Strucek, MCHD



Princeton Testing Laboratory Inc.

P.O. Box 310E
 3490 U.S. Route 1
 Princeton, NJ 08543-3108
 (809) 452-9050
 (FAX) (609) 452-0347

E-Systems/Serv-Air
 P.O. Box 360
 Fort Monmouth, New Jersey 07703

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

Attention: Ms. Barbara O'Toole

Page: 1

Analysis: Polychlorinated Biphenyls, Oil, EPA 600/4-81-045
Units: mg/kg

Parameters	Sample I.D.: 1135.4 B9044 Elect Oil 1/28/93	Blank 02/02/93
Aroclor 1221	<5	<5
Aroclor 1016	5.9	<5
Aroclor 1232	<5	<5
Aroclor 1242	<5	<5
Aroclor 1248	<5	<5
Aroclor 1254	<5	<5
Aroclor 1260	<5	<5

RECOVERY DATA
 TCMX (Surrogate)

QC LIMITS
 42-122% 55 124

Analysis: Polychlorinated Biphenyls, SW, SW-846 8080
Units: mg/kg(dry weight)

Parameters	Sample I.D.: 1133.0 S#1 Bldg. 454 1/27/93	1133.1 S#2 Bldg. 454 1/27/93	1133.2 S#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
 TCMX (Surrogate)

QC LIMITS
 42-122% 97 124 123

J = Estimated Value Detected Below MDL



Analysis: Polychlorinated Biphenyls, SW, SW-846 8080
Units: mg/kg(dry weight)

S#4 S#5 S#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. 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	0.014 J	0.010

RECOVERY DATA

QC LIMITS

TCMX (Surrogate)	42-122	93	97	114
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J - Estimated Value Detected Below MDL

Analysis: Polychlorinated Biphenyls, SW, SW-846 8080
Units: mg/kg(dry weight)

S#7 S#8 S#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 Bldg. 4 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	0.0096 J	0.026	0.022

RECOVERY DATA

QC LIMITS

TCMX (Surrogate)	42-122	104	102	108
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J = Estimated Value Detected Below MDL



Analysis: Polychlorinated Biphenyls, SW, SW-846 8080
Units: mg/kg(dry weight)

S#10

S#11

S#12

Parameters

Sample I.D.: 1133.9
S#10 Bldg. 454
1/27/93

1133.10
S#11 Bldg. 454
1/27/93

1133.11
S#12 Bldg
1/27/93

Parameters	S#10	S#11	S#12
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	0.0085 J	0.038	0.019

RECOVERY DATA

QC LIMITS

TCMX (Surrogate)

42-122% 112 110 115

J - Estimated Value Detected Below MDL

Analysis: Polychlorinated Biphenyls, SW, SW-846 8080
Units: mg/kg(dry weight)

S#13

S#14

S#15

Parameters

Sample I.D.: 1133.12
S#13 Bldg. 454
1/27/93

1133.13
S#14 Bldg. 454
1/27/93

1133.14
S#15 Bldg.
1/27/93

Parameters	S#13	S#14	S#15
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	5.73	0.12	0.054

RECOVERY DATA

QC LIMITS

TCMX (Surrogate)

42-122% 142 ** 70 101

** - Outside Of Advisory QC Limits



Princeton Testing
Laboratory Inc.

E-Systems/Serv-Air

Job Number: 9300687-001

Page: 4

Analysis: Polychlorinated Biphenyls, SW, SW-846 8080
Units: mg/kg(dry weight)

S#16
Correct

Parameters

Sample I.D.:

1133.85
8023
1/28/93 S#16

Blank 02/03/93

Aroclor 1221	<.05	<.05
Aroclor 1016	<.05	<.05
Aroclor 1232	<.05	<.05
Aroclor 1242	<.05	<.05
Aroclor 1248	<.05	<.05
Aroclor 1254	<.05	<.05
Aroclor 1260	0.057	<.05

RECOVERY DATA

QC LIMITS

TCMX (Surrogate)

42-122*

86

112

Jane E. Dennison, Ph.D., CIH
Supervisor G.C. Laboratory

For inquiries call us at (609) 452-9050 and ask for our Customer Service Department

Member: American Council of Independent Laboratories, Inc.

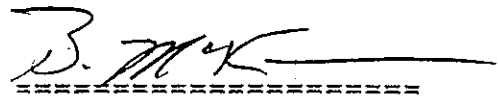
Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEPE Cert. # 13461

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	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	89	164.4	3.3

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



Brian K. McKee
Laboratory Director

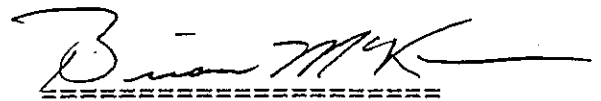
Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEPE Cert. # 13461

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

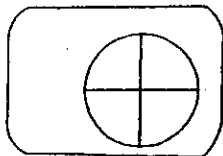
Lab. ID	Description	mg/L	grams	%S	mg/Kg	D. Limit
1135.0	Site #16	105.8	30	85	414.9	3.3

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



=====
Brian K. McKee
Laboratory Director

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

Report Date: 02/19/93
Job Number: 9301067-001
Date Received: 02/17/93
P.O. # R3-0902
Page: 1

Attention: Brian McKee

Analysis: Polychlorinated Biphenyls, SW, SW-846 8080
Units: mg/kg(dry weight)

S#17

Parameters	Sample I.D.:	1145.2 2/10/93	Blank 02/18/93
Aroclor 1221		<.2	<.2
Aroclor 1016		<.1	<.1
Aroclor 1232		<.1	<.1
Aroclor 1242		<.1	<.1
Aroclor 1248		<.1	<.1
Aroclor 1254		<.1	<.1
Aroclor 1260		0.13	<.1

RECOVERY DATA
CMX (Surrogate)

QC LIMITS	68	83
42-122%	68	83

*S.G. Hubbard
rec. 2-25-93*

Jane Dennison, Ph.D., CIH
Supervisor G.C. Laboratory

For inquiries call us at (609) 452-9050 and ask for our Customer Service Department

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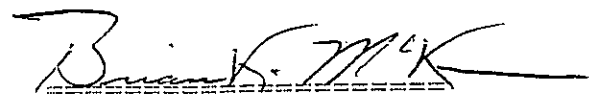
Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEPE Cert. # 13461

Client: U.S. Army, FM Project: Bldg. 454
 DEH Sample Rec'd: 02/10/93
 Start: 02/18/93
 Complete: 02/18/93

Analysis: TPH
Matrix: Soil

Lab. ID	Description	mg/L	grams	%S	mg/Kg	D. Limit
1145.1	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

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:
Complete:

Bldg. 454
01/29/93
01/29/93
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	B	10.7	30	79	45.1	3.3
1137.2	C	8.36	30	79	35.3	3.3
1137.3	D	6.04	30	76	26.5	3.3
1137.4	E	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	H	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	M	6.82	30	85	26.7	3.3
1137.13	N	9.51	30	84	37.7	3.3
1137.14	O	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	T	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

Attachment #4

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 9-30

In case of an emergency or spill immediately call the state the emergency occurred in and the N.J. Dept. of Environmental Protection. (609) 292-5580 (Day) (609) 292-7172 (Night)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NJ321100205973060418		Manifest Document No. 01418		2. Page 1 of 2		Information in the shaded area is not required by Federal law.					
3. Generator's Name and Mailing Address HAZARDOUS WASTE FACILITY SELF IN - EMER BLDG - 121 FT. MONMOUTH, NJ 411 ST. HAZARDOUS WASTE FACILITY SELF IN - EMER BLDG - 121 FT. MONMOUTH, NJ						A. State Manifest Document Number NJ A 1028945		B. State Generator's ID SAME					
4. Generator's Phone (908) 544-4049						5. Transporter 1 Company Name Environmental Transport Group Inc.		6. US EPA ID Number NJ D 0 0 0 6 9 2 0 6 1					
7. Transporter 2 Company Name						8. US EPA ID Number		C. State Trans. ID NJ D 0 0 0 6 9 2 0 6 1					
9. Designated Facility Name and Site Address Aptus, Inc. P.O. Box 1328/Hwy. 169 North Coffeyville, KS 67337						10. US EPA ID Number KS D 9 8 1 5 0 6 0 2 5		D. Transporter's Phone (201) 347-8200					
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HM						12. Containers No. Type		13. Total Quantity		14. Unit W/Vol		15. Waste No.	
a. RQ HAZARDOUS SUBSTANCE, LIQUID OR SOLID, N.O.S., ORM-E, NA 9188 (POLYCHLORINATED BIPHENYLS)						101 CM 00268 K		X 753					
b. New Jersey waste PCB 50-499 ppm						103 CM 00970 K		X 753					
c. New Jersey waste PCB 50-499 ppm						107 DM 00767 K		X 751					
J. Additional Descriptions for Materials Listed Above Dry TB - Steamer CANK 2500ppm Dumps of DIBS 2500ppm						K. Handling Codes for Wastes Listed Above D 1 8 1 0							
15. Special Handling Instructions and Additional Information See Enclosed Contingency Plan Work Order: 196242 EMERGENCY NUMBER: DECAL # 40537 Contract DLA20091D0020 DOI 0242 MAIL MANIFEST TO: DRMO-ELC BLDG-75 NAWG, LAKENHURST NJ 01783 ERG # 31 ADW 0059D						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 JAMES SHIRCHIO / BARBARA ANN FULEY						Signature James Shirchio / Barbara Ann Fuley						Month Day Year 03 08 93	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name ASA Boyd						Signature ASA Boyd						Month Day Year 03 08 93	
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 Allen Stoltz						Signature Allen Stoltz						Month Day Year 10 31 11 83	

(See Reverse Side for Instructions)

48-14-1 (3/89)-71



STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS SUBSTANCES REGULATION
HAZARDOUS WASTE MANIFEST
P.O. Box 12820, Albany, New York 12212

Attachment #:

Please print or type. Do not Staple.

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

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA No. NJ13121101012101519171010131		Manifest Document No. 1010131		2. Page 1 of		Information in the shaded areas is not required by Federal Law.	
3. Generator's Name and Mailing Address U.S. Army Communications Command Main Post Ft. Monmouth, NJ		4. Generator's Phone 908 532-6223		5. Transporter 1 (Company Name) Merola Enterprises Inc.		6. US EPA ID Number NJ1D191816161019191419		A. State Manifest Document No. NY B511764 37	
9. Designated Facility Name and Site Address CWM Chemical Services Inc. 1550 Balmer		10. US EPA ID Number Model City NY 14107 NY 1D101419181316161719		7. Transporter 2 (Company Name)		8. US EPA ID Number		C. State Transporter's ID NJ1D1851211	
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)		12. Containers		13. Total		14. Unit		I. Waste No.	
a. RQ Environmentally Hazardous Substance, Solid. Nos (Contains Polychlorinated Biphenyls) Hazard Class 9 UN 3077		No. Type 01011 DIT		Quantity 13,764		Wt/Vol K		EPA STATE N 816 X7	
b.								EPA STATE	
c.								EPA STATE	
d.								EPA STATE	
J. Additional Descriptions for Materials listed Above						K. Handling Codes for Wastes Listed Above			
a		c		a		c			
b		d		b		d			
15. Special Handling Instructions and Additional Information Service No. 30820-3 Emergency No. 1 908-544-2222									
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 state laws and regulations. If I am a large quantity generator, I certify that I have 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 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 generator, I have made a good faith effort to minimize my waste and select the best waste management method that is available to me and that I can afford.									
Printed/Typed Name Joseph M. Fallon				Signature Joseph M. Fallon				Mo. Day Year 10/14/93	
17. Transporter 1 (Acknowledgement of Receipt of Materials) Printed/Typed Name Arthur B. Turner Jr.				Signature Arthur B. Turner Jr.				Mo. Day Year 11/01/93	
18. Transporter 2 (Acknowledgement or Receipt of Materials) Printed/Typed Name				Signature				Mo. 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				Mo. 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
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS SUBSTANCES REGULATION

HAZARDOUS WASTE MANIFEST

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

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

Please print or type. Do not Staple.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA No. NJ132110102101519171010121		Manifest Document No. 01010121		2. Page 1 of		Information in the shaded areas is not required by Federal Law.					
3. Generator's Name and Mailing Address U.S. Army Communications Electronics Command Main Post Ft. Monmouth, NJ						A. State Manifest Document No. NY B511765 2							
4. Generator's Phone 908 532-6223						B. Generator's ID							
5. Transporter 1 (Company Name) Merola Enterprises, Inc				6. US EPA ID Number NJ1D1918161610191419		C. State Transporter's ID NJDEP57277							
7. Transporter 2 (Company Name)						D. Transporter's Phone (201) 589-1600							
9. Designated Facility Name and Site Address CWM Chemical Services, Inc 1550 Balmer						10. US EPA ID Number Model City, NY 14107 NJ1D101419181316161719		E. State Transporter's ID N/A					
						F. Transporter's Phone () N/A							
						G. State Facility's ID N/A							
						H. Facility's Phone (716) 754-8231							
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		1. Waste No.	
a. RQ Environmentally Hazardous Substance, Solid. Nos (Contains Polychlorinated Biphenyls) Hazard Class 9 UN 3077						No. Type		Quantity		K		EPA STATE N 816 X7	
b.												EPA STATE	
c.												EPA STATE	
d.												EPA STATE	
J. Additional Descriptions for Materials listed Above						K. Handling Codes for Wastes Listed Above							
a						a							
b						b							
15. Special Handling Instructions and Additional Information Service No. 30820-2 Emergency No. 1-908-544-2222													
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 state laws and regulations. If I am a large quantity generator, I certify that I have 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 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 generator, I have made a good faith effort to minimize my waste and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name Joseph M. Fallon				Signature Joseph M. Fallon		Mo. Day Year 10 14 93							
17. Transporter 1 (Acknowledgement of Receipt of Materials)						Printed/Typed Name Tim MAHONEY		Signature Tim Mahoney		Mo. Day Year 10 14 93			
18. Transporter 2 (Acknowledgement or Receipt of Materials)						Printed/Typed Name		Signature		Mo. 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		Mo. 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.

GENERATOR

TRANSPORTER

FACILITY



STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS SUBSTANCES REGULATION
HAZARDOUS WASTE MANIFEST
P.O. Box 12820, Albany, New York 12212

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

Please print or type. Do not Staple.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA No. NJ 1322110101210151917101010111		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 U.S. Army Communications Electronics Command Main Post Fort Monmouth, New Jersey						A. State Manifest Document No. NY B-511766-1							
4. Generator's Phone (908) 532-6223						B. Generator's ID							
5. Transporter 1 (Company Name) Merola Enterprises Inc.				6. US EPA ID Number NJ D 19 18 16 16 10 19 19 14 19		C. State Transporter's ID: NJ DEPS 7277							
7. Transporter 2 (Company Name)				8. US EPA ID Number		D. Transporter's Phone (201) 589-1600							
9. Designated Facility Name and Site Address CWM Model City, NY 14107 Chemical Services Inc. 1550 Balmer						10. US EPA ID Number NY ID 10 14 19 18 13 16 16 17 19							
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)						12. Containers		13. Total		14. Unit		15. Waste No.	
a. RQ Environmentally Hazardous Substance, Solid, Nos (Contains Polychlorinated Biphenyls) Hazard Class 9 UN 3077						No. Type 0 10 11 D T		Quantity 22.258 kg EST.		Wt/pt		EPA STATE NY 816 X75	
b.												EPA STATE	
c.												EPA STATE	
d.												EPA STATE	
J. Additional Descriptions for Materials listed Above						K. Handling Codes for Wastes Listed Above							
a						a <input type="checkbox"/> c <input type="checkbox"/>							
b						b <input type="checkbox"/> d <input type="checkbox"/>							
15. Special Handling Instructions and Additional Information Service No. 30820-1 Emergency No. 1-908-544-2222													
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 state laws and regulations. If I am a large quantity generator, I certify that I have 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 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 generator, I have made a good faith effort to minimize my waste and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name Joseph M. Fallon				Signature Joseph M. Fallon		Mo. Day Year 10, 14, 93							
17. Transporter 1 (Acknowledgement of Receipt of Materials)													
Printed/Typed Name JOHN J. HIRSCHEMANN JR.				Signature John J. Hirschmann Jr.		Mo. Day Year 10, 14, 93							
18. Transporter 2 (Acknowledgement or Receipt of Materials)													
Printed/Typed Name				Signature		Mo. 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		Mo. Day Year							

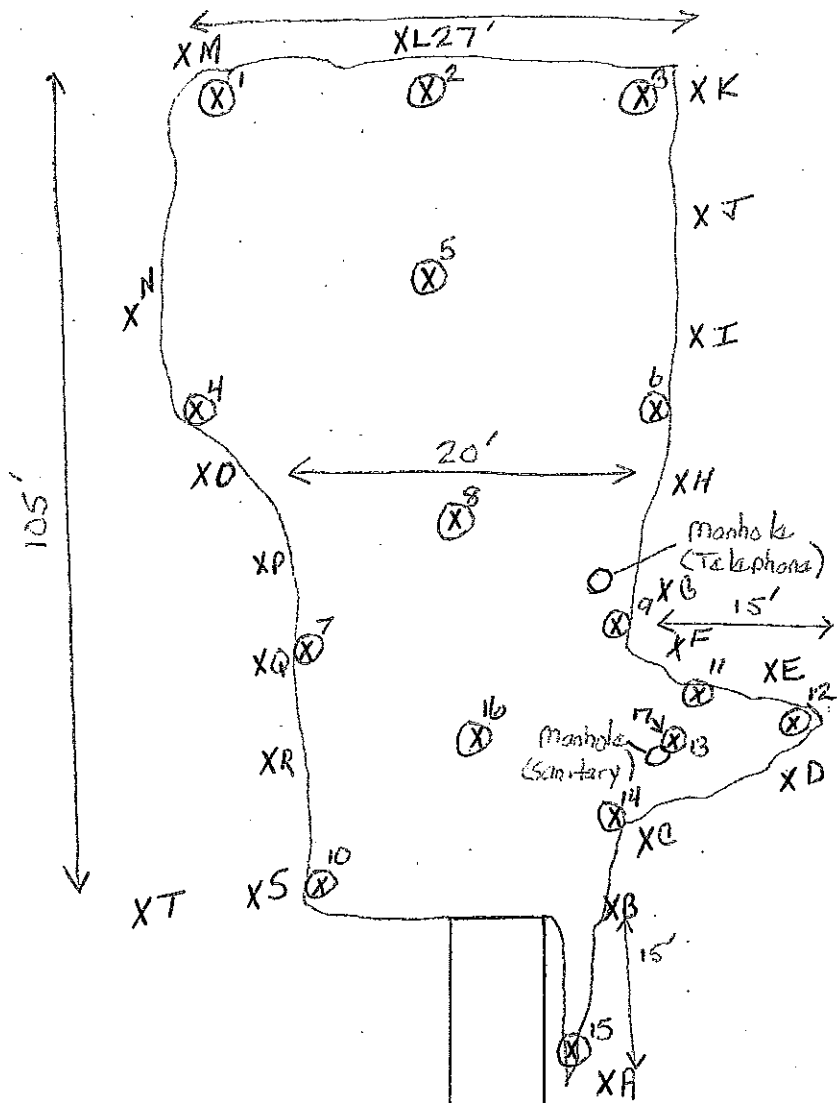
In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the N.Y. Dept. of Environmental Conservation (518) 457-7362.

ATTACHMENT B

Field Notes and Sample Locations

Bldg # 455

Sidewalk



Bldg # 456

105'

WADE STREET

Bldg # 454

LEONARD AVENUE

- X - TPH Samples - 36
- O - PCB Samples - 16

Sample # 1's 1-15 collected on 01/27/93.
 Sample # 16 collected on 01/28/93.

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

PCB Contaminated Oil Release: 3-50 KVA transformers

Spill location: Bldg. 456 - Corner of Leonard Ave
+ Wade Street

- ① GE - SN: 9337366 (MP219) PCB Content - 469 ppm
↳ Contents spilled.
- ② GE - SN: 9335642 (MP220) PCB Content - 484 ppm
↳ Contents spilled.
- ③ GE - SN: 9335649 (MP221) PCB Content - 446 ppm
↳ Contents did not spill.

Each transformer contained approximately 48 gallons of PCB-Contaminated Electrical Oil.

Regulatory Agencies Notified:

- ① National Response Center (1-800-424-8802)
notified by Joe Fallon - date: 12/14/92 time: 0930
Case # 148988 Agency Rep: Petty Officer Craft
- ② USEPA Region II TSCA Section, Edison NJ
908-321-6669 notified by Joe Fallon - 12/14/92 - 094
Agency Rep: Dan Craft

over →

ATTACHMENT C

Analytical Results

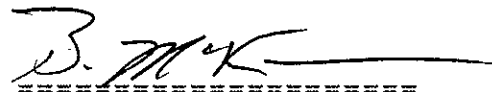
Report of Analysis
 U.S. Army, Fort Monmouth Environmental Laboratory
 NJDEPE Cert. # 13461

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	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	89	164.4	3.3

Notes: 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				NO. OF CONTAINERS	ANALYSIS REQ							REMARKS			
454		PUB Cost Spill Remediation					/	<div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPHC</div> <div style="border: 1px solid black; width: 100%; height: 100%;"></div> </div>									
SAMPLERS: J.F. S.R.																	
SAMPLE NO.	DATE	TIME	COMP	grab	SAMPLE LOCATION								TS% Wt.	Post Wt.	%		
1133.0	1/27	1550		X	S#1 Bldg 454	/	X						19.008	16.693	87		
1133.1		1555		X	S#2	/	X						25.292	21.640	86		
1133.2		1558		X	S#3	/	X						19.740	16.004	81		
1133.3		1602		X	S#4	/	X						15.083	13.795	91		
1133.4		1604		X	S#5	/	X						20.747	18.553	89		
1133.5		1606		X	S#6	/	X						21.425	17.586	82		
1133.6		1609		X	S#7	/	X						17.079	14.737	86		
1133.7		1613		X	S#8	/	X						27.874	23.826	85		
1133.8		1616		X	S#9	/	X						18.382	14.891	81		
1133.9		1619		X	S#10	/	X						21.026	18.323	87		
1133.10		1622		X	S#11	/	X						15.033	13.055	87		
1133.11		1624		X	S#12	/	X						12.521	10.312	82		
1133.12		1626		X	S#13	/	X						19.862	17.277	87		
1133.13		1629		X	S#14	/	X						16.450	14.310	87		
1133.14		1631		X	S#15	/	X						29.703	26.495	89		

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Relinquished by: (Signature)	Date/Time	Received for Laboratory by: (Signature)	Date/Time	Remarks	
		Sarah J. Hubbard	1-27-93 1645		

* Silica Gel added to extraction

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

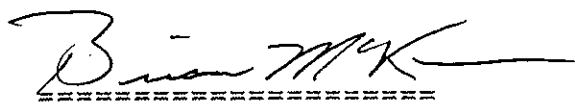
Client: U.S. Army, FM Project: Bldg. 454
 DEH Sample Rec'd: 01/28/93
 Start: 01/28/93
 Complete: 01/28/93

Analysis: TPH
Matrix: Soil

Lab. ID	Description	mg/L	grams	%S	mg/Kg	D. Limit
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



SERV-AIR, INC.

E-SYSTEMS Company

Priority Please

CHAIN OF CUSTODY RECORD

CLIENT: H. Monmouth

PROJECT ID: _____

ADDRESS: _____

SAMPLER: Joe Fallon

CITY/STATE: _____

PHONE #: 5326223

#15

#13

#14

LAB ID #	SAMPLE ID	SAMPLE DATE	SAMPLE TIME	SAMPLE TYPE			NO. OF BOTTLES	ANALYSIS REQUESTED
				GRAB	SOIL	COMP		
1135.0	B623	1-28-93	1646	wipe w/moisture				PCB
1135.1	B454 Site #16	1-28-93	1420		X			PCB - TPH
1135.2	B623	1-28-93	1210					total PCB
1135.3	B623	1-28-93	1215					total PCB
1135.4	B9044 ^{Elect.} oil	1-28-93	1530					total PCB

SAMPLE COLLECTED BY: <u>Joe Fallon</u>	DATE: <u>1-28-93</u>	TIME: <u>1550</u>	PRESERVED WITH:			
			NaOH	H2SO4	HNO3	<u>NONE</u> OTHER
RELINQUISHED BY:			RECEIVED BY:			
<u>Sarah J. Hubbard</u>	<u>1-29-93</u>	<u>1300</u>	<u>Sarah J. Hubbard</u>			

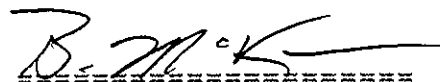
Report of Analysis
 U.S. Army, Fort Monmouth Environmental Laboratory
 NJDEPE Cert. # 13461

Client: U.S. Army, FM	Project:	Bldg. 454
DEH	Sample Rec'd:	01/29/93
	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	B	10.7	30	79	45.1	3.3
1137.2	C	8.36	30	79	35.3	3.3
1137.3	D	6.04	30	76	26.5	3.3
1137.4	E	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	H	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	M	6.82	30	85	26.7	3.3
1137.13	N	9.51	30	84	37.7	3.3
1137.14	O	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	T	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 OF CUSTODY RECORD

page 1 of 2

BLDG #		PROJECT				NO. OF CONTAINERS	ANALYSIS REQ					REMARKS	
454		PCB Cont Remediation					/ / / / / / / / / /						
SAMPLERS:													
Rochkovsky													
SAMPLE NO.	DATE	TIME	comp	grab	SAMPLE LOCATION	TPHC							
1137.0	1/29	0956		X	SS#A	X							
1137.1		1005			SS#B	X							
1137.2		1006			SS#C	X							
1137.3		1009			SS#D	X							
* 1137.4		1011			SS#E	X							
* 1137.5		1013			SS#F	X							
* 1137.6		1015			SS#G	X							
1137.7		1016			SS#H	X							
1137.8		1018			SS#I	X							
1137.9		1023			SS#J	X							
1137.10		1026			SS#K	X							
* 1137.11		1029			SS#L	X							
1137.12		1030			SS#M	X							
1137.13		1033			SS#N	X							
* 1137.14		1036			SS#O	X							
Relinquished by: (Signature)			Date/Time		Received by: (Signature)			Relinquished by: (Signature)		Date/Time		Received by: (Signature)	
Relinquished by: (Signature)			Date/Time		Received by: (Signature)			Relinquished by: (Signature)		Date/Time		Received by: (Signature)	
Relinquished by: (Signature)			Date/Time		Received for Laboratory by: (Signature)			Date/Time		Remarks			
Rochkovsky			1/29/93/1134		S. Hubbard								

* Silica Gel added to extraction.

CHAIN OF CUSTODY RECORD

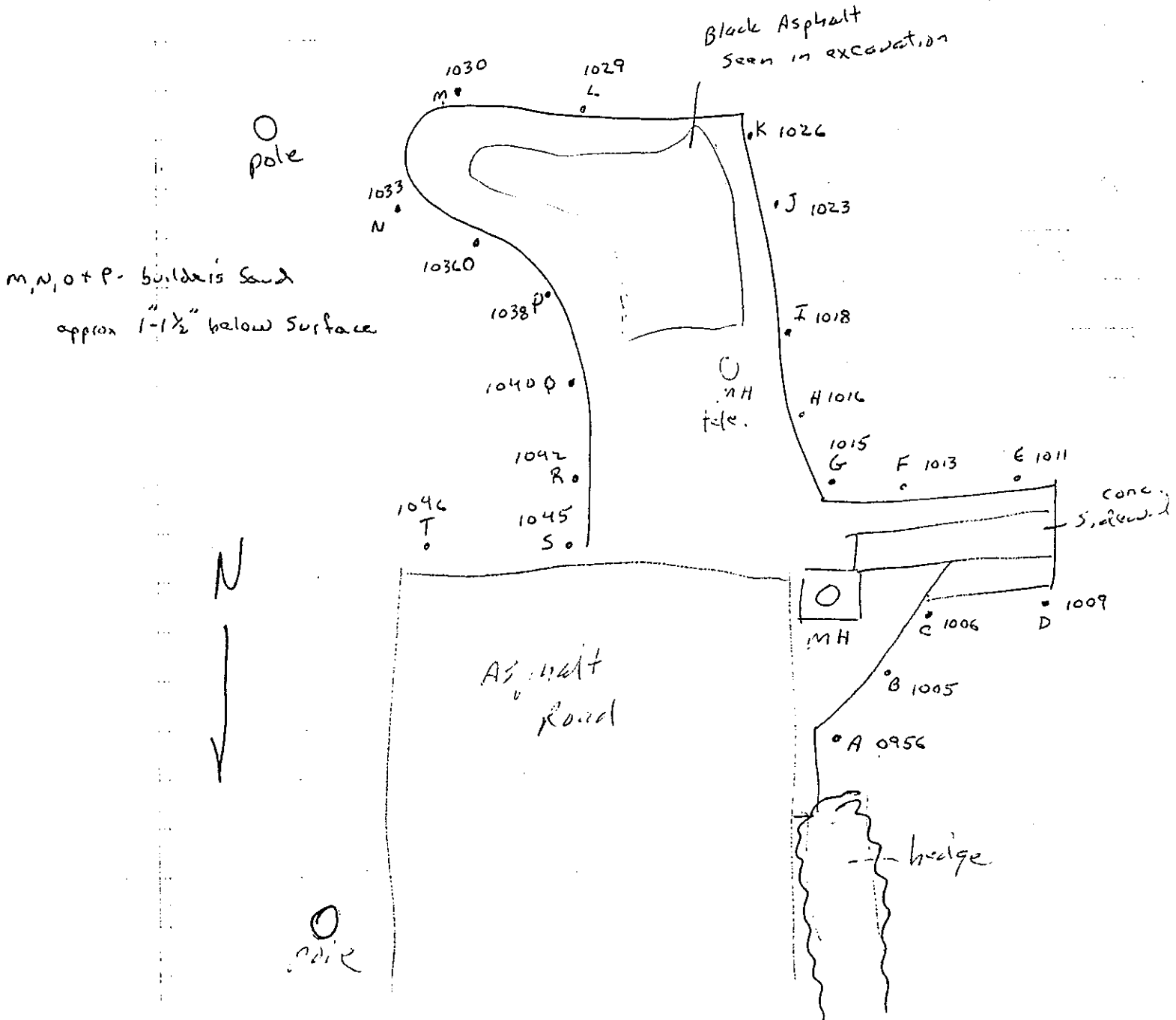
BLDG #		PROJECT				NO. OF CONTAINERS	ANALYSIS REQ					REMARKS	
454		PGB Cont. Remediation					TPAC						
SAMPLERS:													
Rodkovsky													
SAMPLE NO.	DATE	TIME	COMP	grab	SAMPLE LOCATION								
1137.15	1/29	1038		X	SS# P	1	X						
1137.16		1040		X	SS# Q	1	X						
1137.17		1042		X	SS# R	1	X						
1137.18		1045		X	SS# S	1	X						
1137.19	✓	1046		X	SS# T	1	X						
Relinquished by: (Signature)			Date/Time		Received by: (Signature)			Relinquished by: (Signature)		Date/Time		Received by: (Signature)	
[Signature]					[Signature]			[Signature]				[Signature]	
Relinquished by: (Signature)			Date/Time		Received by: (Signature)			Relinquished by: (Signature)		Date/Time		Received by: (Signature)	
[Signature]					[Signature]			[Signature]				[Signature]	
Relinquished by: (Signature)			Date/Time		Received for Laboratory by: (Signature)			Date/Time		Remarks			
Rodkovsky			1/29/93 1124		[Signature]								

B454

TPHC Sampling Start 0945 - 1130

1/29 weather - Mid 30's wind N.

Request of TPHC samples (1-402 W.M.) 1' out from excavation + below SOD every 10' linear feet will be labeled ALPHABETICALLY. (Samples in exc numbered.)



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: 02/10/93
 Start: 02/18/93
 Complete: 02/18/93

Analysis: TPH
Matrix: Soil

Lab. ID	Description	mg/L	grams	%S	mg/Kg	D. Limit
1145.1	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 #		PROJECT				NO. OF CONTAINERS	ANALYSIS REQ					REMARKS
454		Spill clean-up:					<div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 2px;">TPH</div> <div style="border: 1px solid black; padding: 2px;"></div> <div style="border: 1px solid black; padding: 2px;"></div> <div style="border: 1px solid black; padding: 2px;"></div> <div style="border: 1px solid black; padding: 2px;"></div> </div>					
SAMPLERS:												
SAMPLE NO.	DATE	TIME	comp	grab	SAMPLE LOCATION							
1145.1	2-10	1010		X	454 #17	1	X					75% PreWt. / Post Wt. 26.988 23.563
												87%
Relinquished by: (Signature)		Date/Time		Received by: (Signature)			Relinquished by: (Signature)		Date/Time		Received by: (Signature)	
Relinquished by: (Signature)		Date/Time		Received by: (Signature)			Relinquished by: (Signature)		Date/Time		Received by: (Signature)	
Relinquished by: (Signature)		Date/Time		Received for Laboratory by: (Signature)			Date/Time		Remarks			
Rochkowsky		2-10		1026			Sarah J. Hubbard		2/10/93 1028			