



CWM Chemical Services, Inc.

Model City Facility
P.O. Box 200
1550 Balmer Road
Model City, New York 14107
716/754-8231

June 10, 1991

Mr. Edward Bristow
U.S. Army Corps. of Engineers
Kansas City District
700 Federal Building
601 E. 12th Street
Kansas City, MO 64106

Re: Underground TNT Lines

Dear Mr. Bristow:

CWM Chemical Services, Inc. (CWM) is notifying you that CWM has encountered additional underground TNT lines located south of SLF 7 and west of the Stabilization Facility. Apparently two concrete encased lines run north to south at this location, presumably laterals to the red and yellow sewer. Approximately 30 feet of the concrete encasements were exposed in the excavation at approximate site coordinates N 10120 - N 10150 and E 10855. A photograph of the area and an area map are attached.

CWM was in the process of performing an anticipated clean closure of the former stabilization facility when the underground lines were encountered. At the time that the lines were discovered, CWM observed that some of the liquid in the excavation was reminiscent of the "red water" that has been encountered in the past. This type of liquid was sampled by SCA in 1986 when a TNT line was broken during excavation for the new Trailer Staging Area (location also shown on the attached map). The analytical results for the following historical samples are attached: liquid sample 86-2205 and two point composite soil sample 86-2206.

In addition, CWM collected soil samples from the recent excavation which will be analyzed for priority pollutant organics and metals and nitroaromatic compounds. One sample will be analyzed for USEPA Appendix IX compounds.

CWM suspects that there may be some contamination in this area associated with the underground lines and is providing this information to assist you in your investigation of the former TNT facility.



Letter to Mr. Edward Bristow
Underground TNT Lines
May 31, 1991

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Please contact me or Ms. Rebecca Park at 716-754-8231 with any comments or questions you may have.

Sincerely,

CWM CHEMICAL SERVICES, INC.


Miguel A. Antonetti, Ph.D, PE
Environmental Manager

REP:rep

Attachment

Letter to Mr. Edward Bristow
Underground TNT Lines
June 10, 1991

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cc: USEPA - Region II

Mr. Andrew Bellina, w/out photo.

Mr. Marwan Fanek

Chief, Permits Administration Branch, w/o photo.

NYSDEC - Albany

Mr. Paul Counterman, w/o photo.

Mr. William Wertz

NYSDEC - Region 9

Mr. Louis Violanti, w/o photo.

Mr. Steven Doleski, w/o photo.

On-Site Monitors, w/o photo.

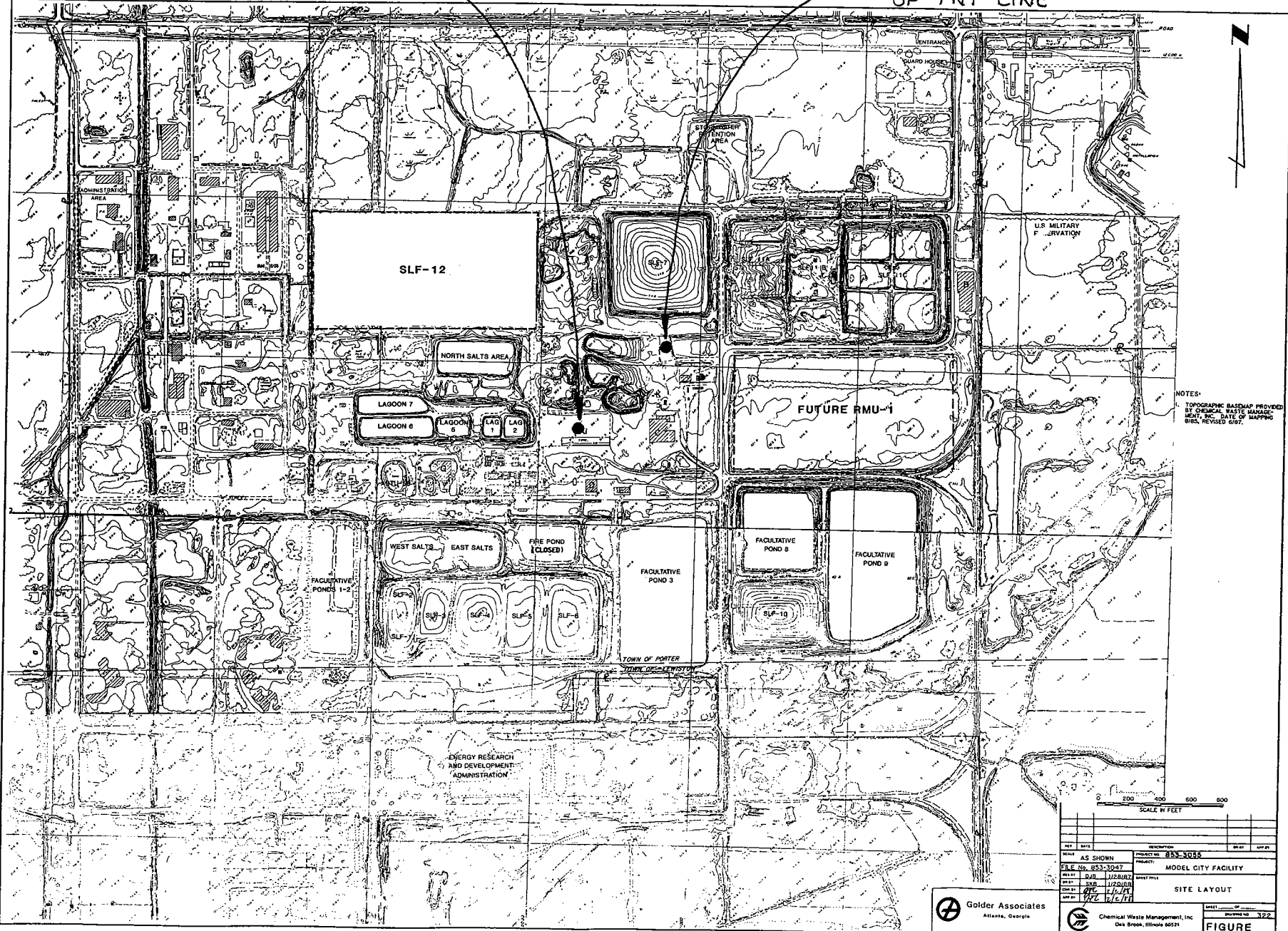
NCHD

Dr. James DeVald, w/o photo.



APPROX. LOCATION OF
TNT LINE SAMPLED IN 1986

APPROX. LOCATION
OF TNT LINE



NOTES:
TOPOGRAPHIC BASEMAP PROVIDED
BY CHEMICAL WASTE MANAGE-
MENT, INC. DATE OF MAPPING
WAS REVISED 6/87.

SCALE IN FEET

NO.	DATE	DESCRIPTION	BY	CHKD.
1	AS SHOWN	PROJECT NO. 853-3055		
2	FILE NO. 853-3057	PROJECT		
3	DATE 11/28/87	MODEL CITY FACILITY		
4	BY GJR	DATE 11/28/87		
5	CHKD. GJR	DATE 11/28/87		
6	DATE 11/17/87	DATE 11/17/87		
7	DATE 11/17/87	DATE 11/17/87		

Golder Associates
Atlanta, Georgia

Chemical Waste Management, Inc.
One Brook, Illinois 60031

DATE 11/28/87
DRAWING NO. 322
FIGURE

Non-Routine Sampling for Bob Sawyer
Complete Priority Pollutants.

Time: 1445

Parameters: Priority Pollutants + 2 VOA, + tot. Phenolics

LAB: E + E

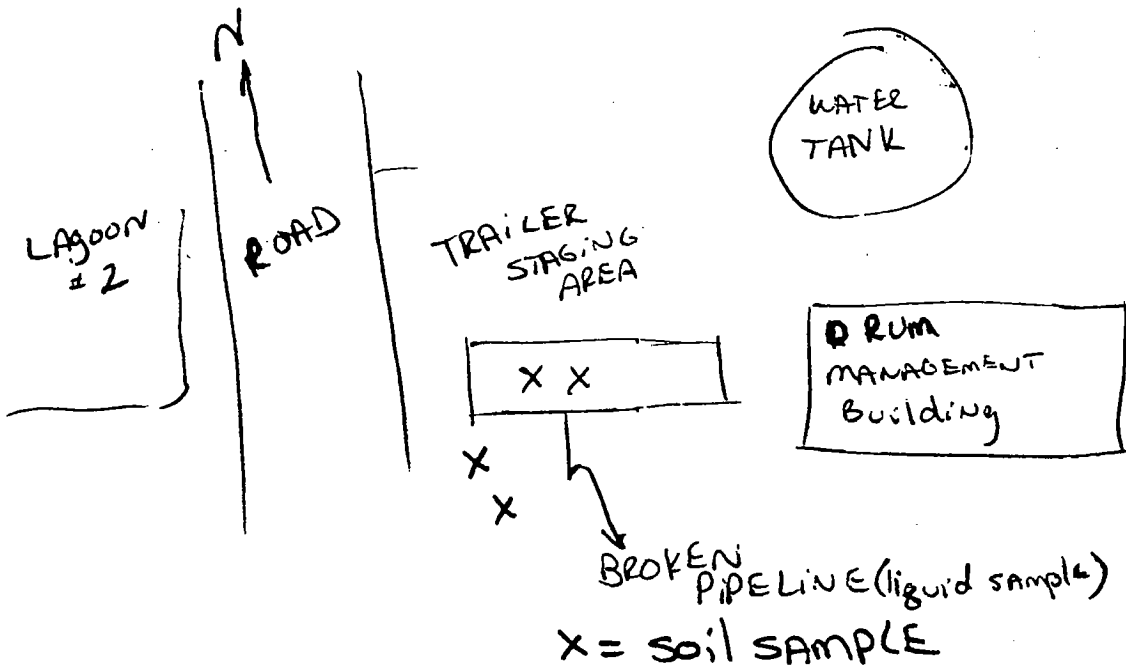
Appearance: Bright Red w/ Blk. ^{oil} (Biphasic?)

Location: SEE MAP

Type of Sampling: GRAB for Liquid, Composite from 2 sites for soil

Collection Volume: 2 VOA's, 1-1250ml of soil, 1-1250ml liquid.

SLF #7



Air Sampling

OVA

A Century OVA was used at 1445 to address the strong odors from the area. No readings of over 1 ppm was obtained. The OVA was used by Dean Ventura on 4-2-86 down wind, around the area.



ecology and environment, inc.

ANALYTICAL SERVICES CENTER, P.O. BOX D, BUFFALO, NEW YORK 14225, TEL. 716-631-0360
International Specialists in the Environmental Sciences

April 18, 1986

Mr. Dean Venturin
SCA Chemical Services
1550 Balmer Road
Model City, NY 14107

Dear Mr. Venturin:

Attached is the laboratory report of the analysis conducted on two samples received at the Analytical Services Center on April 1, 1986. Analysis was performed according to the procedures set forth in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, Second Edition, U.S. EPA, 1982 and "Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater" EPA-600/4-82-057, July 1982.

The accuracy of all analyses depends upon the representative nature of the sample and the reliability of collection procedures as well as the accuracy of the laboratory analysis of the sample as submitted. Ecology and Environment, Inc.'s activity and its representations with respect to these samples are limited solely to the laboratory analysis of the samples presented to it.

All samples, on which this report is based, will be retained by E & E for a period of 30 days from the date of this report, unless otherwise instructed by the client. If additional storage of samples is requested by the client, a storage fee of \$1.00/sample container per month will be charged for each sample, with such charges accruing until destruction of the samples is authorized by the client.

Very truly yours,

Gary Hahn, Manager
Analytical Services Center

GH/ds
enclosure

RESULTS OF WATER ANALYSIS FOR PRIORITY POLLUTANT
VOLATILE ORGANIC COMPOUNDS

(all results in ug/L)

PP#	CAS#	Compound	E & E Lab Number 86- Sample Identity	2205 Trailer Staging Area (4-1-86)
(4V)	71-43-2	benzene		<50
(6V)	56-23-5	carbon tetrachloride		<50
(7V)	108-90-7	chlorobenzene		<50
(10V)	107-06-2	1,2-dichloroethane		<50*
(11V)	71-55-6	1,1,1-trichloroethane		<50*
(13V)	75-34-3	1,1-dichloroethane		<50
(14V)	79-00-5	1,1,2-trichloroethane		<50
(15V)	79-34-5	1,1,2,2-tetrachloroethane		<50
(16V)	75-00-3	chloroethane		<50
(19V)	110-75-8	2-chloroethylvinyl ether		<50
(23V)	67-66-3	chloroform		<50
(29V)	75-35-4	1,1-dichloroethene		<50
(30V)	156-60-5	trans-1,2-dichloroethene		<50
(32V)	78-87-5	1,2-dichloropropane		<50
(33V)	10061-02-6	trans-1,3-dichloropropene		<50
	10061-01-05	cis-1,3-dichloropropene		<50
(38V)	100-41-4	ethylbenzene		<50
(44V)	75-09-2	methylene chloride		200
(45V)	74-87-3	chloromethane		<50
(46V)	74-83-9	bromomethane		<50
(47V)	75-25-2	bromoform		<50
(48V)	75-27-4	bromodichloromethane		<50
(51V)	124-48-1	chlorodibromomethane		<50
(85V)	127-18-4	tetrachloroethene		<50
(86V)	108-88-3	toluene		410
(87V)	79-01-6	trichloroethene		56
(88V)	75-01-4	vinyl chloride		<50
	67-64-1	acetone		<50
	75-15-0	carbon disulfide		<50
	78-93-3	2-butanone		<50
	108-05-4	vinyl acetate		<50
	591-78-6	4-methyl-2-pentanone		<50
	108-10-1	2-hexanone		<50
	100-42-5	styrene		<50
		total xylenes		62

*Compound present below measurable detection limit

RESULTS OF SOIL ANALYSIS FOR PRIORITY POLLUTANT
VOLATILE ORGANIC COMPOUNDS

(all results in mg/kg as received)

PP#	CAS#	Compound	E & E Lab Number 86- Sample Identity	2206 Trailer Staging Area (4-1-86)
(4V)	71-43-2	benzene		<1
(6V)	56-23-5	carbon tetrachloride		<1
(7V)	108-90-7	chlorobenzene		<1
(10V)	107-06-2	1,2-dichloroethane		<1
(11V)	71-55-6	1,1,1-trichloroethane		<1
(13V)	75-34-3	1,1-dichloroethane		<1
(14V)	79-00-5	1,1,2-trichloroethane		<1
(15V)	79-34-5	1,1,2,2-tetrachloroethane		<1
(16V)	75-00-3	chloroethane		<1
(19V)	110-75-8	2-chloroethylvinyl ether		<1
(23V)	67-66-3	chloroform		<1
(29V)	75-35-4	1,1-dichloroethene		<1
(30V)	156-60-5	trans-1,2-dichloroethene		<1
(32V)	78-87-5	1,2-dichloropropane		<1
(33V)	10061-02-6	trans-1,3-dichloropropene		<1
	10061-01-05	cis-1,3-dichloropropene		<1
(38V)	100-41-4	ethylbenzene		<1
(44V)	75-09-2	methylene chloride		<1
(45V)	74-87-3	chloromethane		<1
(46V)	74-83-9	bromomethane		<1
(47V)	75-25-2	bromoform		<1
(48V)	75-27-4	bromodichloromethane		<1
(51V)	124-48-1	chlorodibromomethane		<1
(85V)	127-18-4	tetrachloroethene		<1
(86V)	108-88-3	toluene		13
(87V)	79-01-6	trichloroethene		<1
(88V)	75-01-4	vinyl chloride		<1
	67-64-1	acetone		<1
	75-15-0	carbon disulfide		<1
	78-93-3	2-butanone		85
	108-05-4	vinyl acetate		<1
	591-78-6	4-methyl-2-pentanone		<1
	108-10-1	2-hexanone		<1
	100-42-5	styrene		<1
		total xylenes		<1

*Compound present below measurable detection limit

U-3108

RESULTS OF WATER ANALYSIS FOR PRIORITY POLLUTANT
ACID COMPOUNDS

(all results in ug/L)

PP #	CAS #	Compound	E & E Number 86- Sample Identity	2205 Trailer Staging Area (4-1-86)
(21A)	88-06-2	2,4,6-trichlorophenol		<100
(22A)	59-50-7	p-chloro-m-cresol		<100
(24A)	95-57-8	2-chlorophenol		<100*
(31A)	120-83-2	2,4-dichlorophenol		<100
(34A)	105-67-9	2,4-dimethylphenol		<100
(57A)	88-75-5	2-nitrophenol		<100
(58A)	100-02-7	4-nitrophenol		<100
(59A)	51-28-5	2,4-dinitrophenol		<300
(60A)	534-52-1	4,6-dinitro-2-methylphenol		<300
(64A)	87-86-5	pentachlorophenol		<300
(65A)	108-95-2	phenol		<100*

*Compound present below measurable detection limits

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RESULTS OF SOIL ANALYSIS FOR PRIORITY POLLUTANT
ACID COMPOUNDS

(all results in mg/kg as received)

PP #	CAS #	Compound	E & E Number 86- Sample Identity	2206 Trailer Staging Area (4-1-86)
(21A)	88-06-2	2,4,6-trichlorophenol		<100
(22A)	59-50-7	p-chloro-m-cresol		<100
(24A)	95-57-8	2-chlorophenol		<100
(31A)	120-83-2	2,4-dichlorophenol		<100
(34A)	105-67-9	2,4-dimethylphenol		<100
(57A)	88-75-5	2-nitrophenol		<100
(58A)	100-02-7	4-nitrophenol		<100
(59A)	51-28-5	2,4-dinitrophenol		<300
(60A)	534-52-1	4,6-dinitro-2-methylphenol		<300
(64A)	87-86-5	pentachlorophenol		<300
(65A)	108-95-2	phenol		<100

RESULTS OF WATER ANALYSIS FOR PRIORITY POLLUTANT
BASE/NEUTRAL COMPOUNDS
(all results in ug/L)

PP #	CAS #	Compound	E & E Lab No. 85-	2205
			Sample Identity	Trailer Staging Area (4-1-86)
(1B)	83-32-9	acenaphthene		<100
(5B)	92-87-5	benzidine		<500
(8B)	120-82-1	1,2,4-trichlorobenzene		<100
(9B)	118-74-1	hexachlorobenzene		<100
(12B)	67-72-1	hexachloroethane		<100
(18B)	111-44-4	bis(2-chloroethyl)ether		<100
(20B)	91-58-7	2-chloronaphthalene		<100
(25B)	95-50-1	1,2-dichlorobenzene		<100
(26B)	541-73-1	1,3-dichlorobenzene		<100
(27B)	106-46-7	1,4-dichlorobenzene		<100
(28B)	91-94-1	3,3'-dichlorobenzidine		<300
(35B)	121-14-2	2,4-dinitrotoluene		42,000
(36B)	606-20-2	2,6-dinitrotoluene		18,000
(37B)	122-66-7	1,2-diphenylhydrazine		<100
(39B)	206-44-0	fluoranthene		<100
(40B)	7005-72-3	4-chlorophenyl phenyl ether		<100
(41B)	101-55-3	4-bromophenyl phenyl ether		<100
(42B)	39638-32-9	bis(2-chloroisopropyl)ether		<100
(43B)	111-91-1	bis(2-chloroethoxy)methane		<100
(52B)	87-68-3	hexachlorobutadiene		<100
(53B)	77-47-4	hexachlorocyclopentadiene		<100
(54B)	78-59-1	isophorone		<100
(55B)	91-20-1	naphthalene		<100*
(56B)	98-95-3	nitrobenzene		<100
(62B)	86-30-6	N-nitrosodiphenylamine		<100
(63B)	621-64-7	N-nitrosodipropylamine		<100
(66B)	117-81-0	bis(2-ethylhexyl) phthalate		<100
(67B)	85-68-7	benzyl butyl phthalate		<100
(68B)	84-74-2	di-n-butyl phthalate		<100
(69B)	117-84-0	di-n-octyl phthalate		<100
(70B)	84-66-2	diethyl phthalate		<100
(71B)	131-11-3	dimethyl phthalate		<100
(72B)	56-55-3	benzo(a)anthracene		<100
(73B)	50-32-8	benzo(a)pyrene		<100
(74B)	205-99-2	benzo(b)fluoranthene		<100
(75B)	207-08-9	benzo(k)fluoranthene		<100
(76B)	218-01-9	chrysene		<100
(77B)	208-96-8	acenaphthylene		<100
(78B)	120-12-7	anthracene		<100
(79B)	191-24-2	benzo(ghi)perylene		<100
(80B)	86-73-7	fluorene		<100
(81B)	85-01-8	phenanthrene		<100*
(82B)	53-70-3	dibenzo(a,h)anthracene		<100
(83B)	193-39-5	indeno(1,2,3-cd)pyrene		<100
(84B)	129-00-0	pyrene		<100

NOTE: Trinitrotoluene (TNT) also observed in the sample 5000 ug/L range.

*Compound present below measurable detection limits

RESULTS OF SOIL ANALYSIS FOR PRIORITY POLLUTANT
BASE/NEUTRAL COMPOUNDS
(all results in mg/kg as received)

PP #	CAS #	Compound	E & E Lab No. 86-	2206
			Sample Identity	Trailer Staging Area (4-1-86)
(1B)	83-32-9	acenaphthene		<100
(5B)	92-87-5	benzidine		<500
(8B)	120-82-1	1,2,4-trichlorobenzene		<100
(9B)	118-74-1	hexachlorobenzene		<100
(12B)	67-72-1	hexachloroethane		<100
(18B)	111-44-4	bis(2-chloroethyl)ether		<100
(20B)	91-58-7	2-chloronaphthalene		<100
(25B)	95-50-1	1,2-dichlorobenzene		<100
(26B)	541-73-1	1,3-dichlorobenzene		<100
(27B)	106-46-7	1,4-dichlorobenzene		<100
(28B)	91-94-1	3,3'-dichlorobenzidine		<300
(35B)	121-14-2	2,4-dinitrotoluene		58,000
(36B)	606-20-2	2,6-dinitrotoluene		6,600
(37B)	122-66-7	1,2-diphenylhydrazine		<100
(39B)	206-44-0	fluoranthene		<100
(40B)	7005-72-3	4-chlorophenyl phenyl ether		<100
(41B)	101-55-3	4-bromophenyl phenyl ether		<100
(42B)	39638-32-9	bis(2-chloroisopropyl)ether		<100
(43B)	111-91-1	bis(2-chloroethoxy)methane		<100
(52B)	87-68-3	hexachlorobutadiene		<100
(53B)	77-47-4	hexachlorocyclopentadiene		<100
(54B)	78-59-1	isophorone		<100
(55B)	91-20-1	naphthalene		<100
(56B)	98-95-3	nitrobenzene		<100
(62B)	86-30-6	N-nitrosodiphenylamine		<100
(63B)	621-64-7	N-nitrosodipropylamine		<100
(66B)	117-81-0	bis(2-ethylhexyl) phthalate		<100
(67B)	85-68-7	benzyl butyl phthalate		<100
(68B)	84-74-2	di-n-butyl phthalate		<100
(69B)	117-84-0	di-n-octyl phthalate		<100
(70B)	84-66-2	diethyl phthalate		<100
(71B)	131-11-3	dimethyl phthalate		<100
(72B)	56-55-3	benzo(a)anthracene		<100
(73B)	50-32-8	benzo(a)pyrene		<100
(74B)	205-99-2	benzo(b)fluoranthene		<100
(75B)	207-08-9	benzo(k)fluoranthene		<100
(76B)	218-01-9	chrysene		<100
(77B)	208-96-8	acenaphthylene		<100
(78B)	120-12-7	anthracene		<100
(79B)	191-24-2	benzo(ghi)perylene		<100
(80B)	86-73-7	fluorene		<100
(81B)	85-01-8	phenanthrene		<100
(82B)	53-70-3	dibenzo(a,h)anthracene		<100
(83B)	193-39-5	indeno(1,2,3-cd)pyrene		<100
(84B)	129-00-0	pyrene		<100

NOTE: Trinitrotoluene (TNT) also observed in the sample 10,000 mg/kg range.

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RESULTS OF WATER ANALYSES
FOR PESTICIDES/PCB

(ug/L)

Sample Identity	Trailer Staging Area (4-1-86)
E & E Laboratory No. 86-	2205

Compound

Aldrin	<250
a-BHC	<250
b-BHC	<250
g-BHC	<250
d-BHC	<250
Chlordane	<2500
4,4'-DDD	<500
4,4'-DDE	<500
4,4'-DDT	<500
Dieldrin	<500
Endosulfan I	<250
Endosulfan II	<500
Endosulfan sulfate	<500
Endrin	<500
Endrin aldehyde	<500
Heptachlor	<250
Heptachlor epoxide	<250
PCB - 1016	<2500
PCB - 1221	<2500
PCB - 1232	<2500
PCB - 1242	<2500
PCB - 1248	<2500
PCB - 1254	<5000
PCB - 1260	<5000
Toxaphene	<5000

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RESULTS OF SOIL ANALYSES
FOR PESTICIDES/PCB

(mg/kg as received)

Sample Identity	Trailer Staging Area (4-1-86)
E & E Laboratory No. 86-	2206

<u>Compound</u>	
Aldrin	<8.0
a-BHC	<8.0
b-BHC	<8.0
g-BHC	<8.0
d-BHC	<8.0
Chlordane	<80
4,4'-DDD	<16
4,4'-DDE	<16
4,4'-DDT	<16
Dieldrin	<16
Endosulfan I	<8.0
Endosulfan II	<16
Endosulfan sulfate	<16
Endrin	<16
Endrin aldehyde	<16
Heptachlor	<8.0
Heptachlor epoxide	<8.0
PCB - 1016	<80
PCB - 1221	<80
PCB - 1232	<80
PCB - 1242	<80
PCB - 1248	<80
PCB - 1254	<160
PCB - 1260	<160
Toxaphene	<160

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RESULTS OF SOIL ANALYSES
FOR PRIORITY POLLUTANT METALS, CYANIDE AND PHENOL

(all results in mg/kg as received)

E & E Laboratory No.:	86-	2206
Sample Identity		Trailer Staging Area

Antimony	<6.0
Arsenic	1.8
Beryllium	<0.5
Cadmium	<0.5
Chromium	2.3
Copper	6.3
Lead	688
Mercury	<0.05
Nickel	2.8
Selenium	<5.0
Silver	<1.0
Thallium	<0.5
Zinc	8.21
Cyanide	<5
Phenol	27

QUALITY CONTROL FOR PRECISION
RESULTS OF REPLICATE ANALYSIS

PP#	CAS#	Compound	E & E Lab Number 86-2205	ug/L		Relative Percent Difference RPD
				Original Analysis	Replicate Analysis	
(4V)	71-43-2	benzene		<50	<50	--
(6V)	56-23-5	carbon tetrachloride		<50	<50	--
(7V)	108-90-7	chlorobenzene		<50	<50	--
(10V)	107-06-2	1,2-dichloroethane		<50*	<50*	--
(11V)	71-55-6	1,1,1-trichloroethane		<50	<50	--
(13V)	75-34-3	1,1-dichloroethane		<50	<50	--
(14V)	79-00-5	1,1,2-trichloroethane		<50	<50	--
(15V)	79-34-5	1,1,2,2-tetrachloroethane		<50	<50	--
(16V)	75-00-3	chloroethane		<50	<50	--
(19V)	110-75-8	2-chloroethylvinyl ether		<50	<50	--
(23V)	67-66-3	chloroform		<50	<50	--
(29V)	75-35-4	1,1-dichloroethene		<50	<50	--
(30V)	156-60-5	trans-1,2-dichloroethene		<50	<50	--
(32V)	78-87-5	1,2-dichloropropane		<50	<50	--
(33V)	10061-02-6	trans-1,3-dichloropropene		<50	<50	--
	10061-01-05	cis-1,3-dichloropropene		<50	<50	--
(38V)	100-41-4	ethylbenzene		<50	<50	--
(44V)	75-09-2	methylene chloride		200	520	88.9
(45V)	74-87-3	chloromethane		<50	<50	--
(46V)	74-83-9	bromomethane		<50	<50	--
(47V)	75-25-2	bromoform		<50	<50	--
(48V)	75-27-4	bromodichloromethane		<50	<50	--
(51V)	124-48-1	chlorodibromomethane		<50	<50	--
(85V)	127-18-4	tetrachloroethene		<50	<50	--
(86V)	108-88-3	toluene		410	430	4.8
(87V)	79-01-6	trichloroethene		56	<50	--
(88V)	75-01-4	vinyl chloride		<50	<50	--
	67-64-1	acetone		<50	<50	--
	75-15-0	carbon disulfide		<50	<50	--
	78-93-3	2-butanone		<50	<50	--
	108-05-4	vinyl acetate		<50	<50	--
	591-78-6	4-methyl-2-pentanone		<50	<50	--
	108-10-1	2-hexanone		<50	<50	--
	100-42-5	styrene		<50	<50	--
		total xylenes		62	88	34.7

*Compound present below measurable detection limit

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QUALITY CONTROL FOR ACCURACY: PERCENT RECOVERY
FOR SPIKED WATER SAMPLES

Compound	E & E Laboratory No. 86-	Original Value	Amount Added	Amount Determined	Percent Recovery
		(ug/L)			
Gamma-BHC	DI SPIKE	<0.05	0.20	0.19	95.0
Heptachlor	DI SPIKE	<0.05	0.20	0.23	115
Aldrin	DI SPIKE	<0.05	0.20	0.14	70.0
Dieldrin	DI SPIKE	<0.10	0.50	0.47	94.0
Endrin	DI SPIKE	<0.10	0.50	0.47	94.0
4,4'-DDT	DI SPIKE	<0.10	0.50	0.65	130

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QUALITY CONTROL FOR ACCURACY:
PERCENT RECOVERY--EPA QUALITY ASSURANCE MATERIALS

Compound	<u>Concentrations in ug/L</u>		Percent Recovery
	Known	Determined	
1,4-Dichlorobenzene	24.8	9.1	36.7
Bis(2 chloroisopropyl) ether	38.8	16.6	42.8
Hexachloroethane	30.0	9.1	30.3
Nitrobenzene	76.5	31.4	41.0
Naphthalene	24.8	10.6	42.7
Acenaphthene	19.5	9.6	49.2
Fluorene	51.2	26.0	50.8
4-Chlorophenyl phenyl ether	76.7	40.0	52.2
4-Bromophenyl phenyl ether	41.5	26.7	64.3
Anthracene	40.0	26.4	66.0
Fluoranthene	29.8	18.3	61.4
Butyl Benzl Phthalate	51.3	17.9	34.9
Chrysene	69.9	47.2	67.5
Ethyl Hexyl Phthalate	29.1	21.6	74.2
Benzo (b) Fluoranthene	40.0	16.4	41.0
Benzo (a) Pyrene	24.9	10.7	43.0
Dibenzo (a,h) Anthracene	40.7	18.2	44.7
Benzo (g,h,i) perylene	80.4	35.9	44.7

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QUALITY CONTROL FOR ACCURACY: PERCENT RECOVERY
OF SURROGATE SPIKES

Compound	E & E Laboratory No. 86-	Amount Added ⁺	Amount Determined	Percent Recovery
		<hr/> (ug/L)		
1,2-Dichloroethane-D4	2205	50	24	48
	2206	50	40	80
Toluene-D8	2205	50	43	86
	2206	50	47	94
4-Bromofluorobenzene	2205	50	43	86
	2206	50	46	92

⁺added to dilution analyzed

2661-3108

SCA CHEMICAL SERVICES, INC.
 1550 Balmer Rd.
 MODEL CITY, NEW YORK

CHAIN OF CUSTODY

4-1-86 *Gregory C. Zayach*

SAMPLERS (signature)

STATION NUMBER	STATION LOCATION	DATE SAMPLED	TIME SAMPLED	SAMPLE TYPE			SEQ. NO.	NO. OF CONTAINERS	ANALYSIS REQUIRED
				Water Comp.	Grab.	Air			
1	TRAILER STAGING AREA	4-1-86	1430		liquid X			3	COMPLETE PRIORITY
2	TRAILER STAGING AREA	4-1-86	1445	Soil X				1	POLLUTANTS + PHENOLS (TOTAL)

Relinquished by: (signature) <i>Gregory C. Zayach</i>	Received by: (signature) <i>RD Marsh</i>	Date/Time 4-1-86 1830
Relinquished by: (signature)	Received by: (signature)	Date/Time
Relinquished by: (signature)	Received by: (signature)	Date/Time
Relinquished by: (signature)	Received by Mobile Laboratory for field analysis: (signature)	Date/Time
Dispatched by: (signature)	Date/Time	Received for Laboratory by: Date/Time

Method of Shipment:

NOTE: Please submit this form with all reports