



NYSDEC SITE NUMBER: 9-15-151
FORMER GE APPARATUS SERVICE CENTER
318 URBAN STREET
BUFFALO, NEW YORK

FINAL CONSTRUCTION CERTIFICATION REPORT

MAY 2012

VOLUME IV OF VII

Prepared for:

GENERAL ELECTRIC COMPANY
ONE RIVER ROAD
SCHENECTADY, NEW YORK

Prepared By:



URS Corporation
3 Corporate Drive, Suite 203
Clifton Park, New York 12065

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Appendix J Waste Manifests (Continued)

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LABORATORY REPORTS

CONTINUED

IN CHRONOLOGICAL ORDER



Columbia
Analytical
Services^{Inc.}

A FULL SERVICE ENVIRONMENTAL LABORATORY

August 8, 1997

RECEIVED
Dames & Moore

AUG 14 1997

File # _____

Mr. Mark Colmerauer
Dames & Moore
3065 Southwestern Blvd.
Orchard Park, NY 14127

PROJECT:GE URBAN ST
Submission #:9708000037

Dear Mr. Colmerauer:

Enclosed are the analytical results of the analyses requested. The analytical data was provided to you on 08/07/97 per a Facsimile transmittal. All data has been reviewed prior to report submission.

Should you have any questions please contact me at (716) 288-5380.

Thank you for letting us provide this service.

Sincerely,

COLUMBIA ANALYTICAL SERVICES

Mark Wilson
Client Service Manager

Enc.

This package has been reviewed by Columbia Analytical Services, QA Department/Laboratory Director prior to report submittal.

1 Mustard St. • Suite 250 • Rochester, NY 14608 • Tele:(716)288-5380 • Fax:(716)288-8475
65 Rambo Vally Rd. • Suite 16 • Mahwah, NJ 07430 • Tele:(201)512-3292 • Fax:(201)512-3362
12699 Roll Rd. • Akron, NY 14001 • Tele:(716)542-1264 • Fax:(716)542-3353



Effective 04/01/96

CAS LIST OF QUALIFIERS

(The basis of this proposal are the EPA-CLP Qualifiers)

- U - Indicates compound was analyzed for but was not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.
- J - Indicates an estimated value. For further explanation see case narrative / cover letter.
- B - This flag is used when the analyte is found in the associated blank as well as in the sample.
- E - This flag identifies compounds whose concentrations exceed the calibration range.
- A - This flag indicates that a TIC is a suspected aldol-condensation product.
- N - Spiked sample recovery not within control limits.
(Flag the entire batch - Inorganic analysis only)
- * - Duplicate analysis not within control limits.
(Flag the entire batch - Inorganic analysis only)
 - Also used to qualify Organics QC data outside limits.
- D - Spike diluted out.
- S - Reported value determined by Method of Standard Additions. (MSA)
- X - As specified in the case narrative.

CAS Lab ID # for State Certifications

NY ID # in Rochester: 10145
CT ID # in Rochester: PH0556
MA ID # in Rochester: M-NY032

NJ ID # in Rochester: 73004
RI ID # in Rochester: 158

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8080 PCBS
Reported: 08/08/97

Dames & Moore
Project Reference: GE URBAN ST
Client Sample ID : SUBFLOOR-W1B

Date Sampled : 07/31/97 Order #: 160159 Sample Matrix: WIPE
Date Received: 08/01/97 Submission #: 9708000037 Analytical Run 18959

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 08/04/97			
DATE ANALYZED : 08/04/97			
ANALYTICAL DILUTION: 100.0			
PCB 1016	1.0	100 U	UG/WI
PCB 1221	1.0	100 U	UG/WI
PCB 1232	1.0	100 U	UG/WI
PCB 1242	1.0	100 U	UG/WI
PCB 1248	1.0	100 U	UG/WI
PCB 1254	1.0	100 U	UG/WI
PCB 1260	1.0	620	UG/WI

SURROGATE RECOVERIESQC LIMITS

DECACHLOROBIPHENYL
TETRACHLORO-META-XYLENE

(30 - 150 %)
(30 - 150 %)

%
%

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8080 PCBS

Reported: 08/08/97

Project Reference:**Client Sample ID :** METHOD BLANK**Date Sampled :****Order #:** 160347**Sample Matrix:** WIPE**Date Received:****Submission #:****Analytical Run** 18959

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 08/04/97			
DATE ANALYZED : 08/04/97			
ANALYTICAL DILUTION: 1.0			
PCB 1016	1.0	1.0 U	UG/WI
PCB 1221	1.0	1.0 U	UG/WI
PCB 1232	1.0	1.0 U	UG/WI
PCB 1242	1.0	1.0 U	UG/WI
PCB 1248	1.0	1.0 U	UG/WI
PCB 1254	1.0	1.0 U	UG/WI
PCB 1260	1.0	1.0 U	UG/WI

SURROGATE RECOVERIESQC LIMITSDECACHLOROBIPHENYL
TETRACHLORO-META-XYLENE(30 - 150 %)
(30 - 150 %)113 %
123 %

CHAIN CUSTODY/LABORATORY ANALYSIS REQUIREMENT FORM

(716) 288-5380 • FAX (716) 288-8475

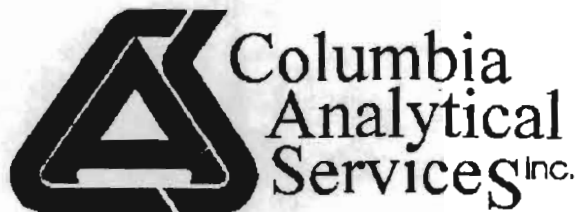
(800) 695-7222

DATE 11.31.97 PAGE 1 OF 7

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Columbia
Analytical
Services Inc.

A FULL SERVICE ENVIRONMENTAL LABORATORY

August 8, 1997

RECEIVED
Dames & Moore

AUG 14 1997

File # _____

Mr. Mark Colmerauer
Dames & Moore
3065 Southwestern Blvd.
Orchard Park, NY 14127

PROJECT:GE URBAN STREET
Submission #:9707000362

Dear Mr. Colmerauer:

Enclosed are the analytical results of the analyses requested. The analytical data was provided to you on 08/08/97 per a Facsimile transmittal. All data has been reviewed prior to report submission.

Should you have any questions please contact me at (716) 288-5380.

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Sincerely,

COLUMBIA ANALYTICAL SERVICES

Mark Wilson
Client Service Manager

Enc.

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Effective 04/01/96

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(Flag the entire batch - Inorganic analysis only)
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- D - Spike diluted out.
- S - Reported value determined by Method of Standard Additions. (MSA)
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CAS Lab ID # for State Certifications

NY ID # in Rochester: 10145
CT ID # in Rochester: PH0556
MA ID # in Rochester: M-NY032

NJ ID # in Rochester: 73004
RI ID # in Rochester: 158

COLUMBIA ANALYTICAL SERVICES

Reported: 08/08/97

Dames & Moore

Project Reference:GE URBAN STREET

Client Sample ID :SS-103

Date Sampled :07/28/97

Order #:159360

Sample Matrix:SOIL/SEDIMENT

Date Received:07/28/97

Submission #:9707000362

ANALYTE	PQL	RESULT	UNITS	DATE ANALYZED	ANALYTICAL DILUTION
CYANIDE REACTIVITY	0.333	0.333 U	MG/KG	08/01/97	1.0
FLASH POINT		>100	°C	07/29/97	1.0
PERCENT SOLIDS	1.0	82.2	%	07/30/97	1.0
PH		8.15		07/28/97	NA
SULFIDE REACTIVITY	10.0	10.0 U	MG/KG	07/30/97	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 08/08/97

Dames & Moore

Project Reference:GE URBAN STREET

Client Sample ID :SS-103

Date Sampled :07/28/97

Order #:159360

Sample Matrix:SOIL/SEDIMENT

Date Received:07/28/97

Submission #:9707000362

ANALYTE	PQL	RESULT	UNITS	DATE ANALYZED	ANALYTICAL DILUTION
ARSENIC	0.500	0.500 U	MG/L	08/05/97	1.0
BARIUM	1.00	1.65	MG/L	08/04/97	1.0
CADMIUM	0.100	0.100 U	MG/L	08/04/97	1.0
CHROMIUM	0.100	0.100 U	MG/L	08/04/97	1.0
LEAD	0.100	0.701	MG/L	08/04/97	1.0
MERCURY	0.000300	0.00300 U	MG/L	08/04/97	10.0
SELENIUM	0.500	0.500 U	MG/L	08/04/97	1.0
SILVER	0.100	0.100 U	MG/L	08/04/97	1.0

Data reported following TCLP Toxicity Characteristics Leaching Procedure. Federal Register, Part 261, Vol. 55, No. 126, June 29, 1990.

METALS-1

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260 TCLP
Reported: 08/08/97

Dames & Moore

Project Reference: GE URBAN STREET

Client Sample ID : SS-103

Date Sampled : 07/28/97 Order #: 159360 Sample Matrix: SOIL/SEDIMENT
Date Received: 07/28/97 Submission #: 9707000362 Analytical Run 18964

ANALYTE	PQL	RESULT	UNITS
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DATE ANALYZED : 08/02/97
ANALYTICAL DILUTION: 10.0

BENZENE	5.0	50 U	UG/L
2-BUTANONE (MEK)	10	100 U	UG/L
CARBON TETRACHLORIDE	5.0	50 U	UG/L
CHLOROBENZENE	5.0	50 U	UG/L
CHLOROFORM	5.0	50 U	UG/L
1,2-DICHLOROETHANE	5.0	50 U	UG/L
1,1-DICHLOROETHENE	5.0	50 U	UG/L
TETRACHLOROETHENE	5.0	50 U	UG/L
TRICHLOROETHENE	5.0	50 U	UG/L
VINYL CHLORIDE	5.0	50 U	UG/L

SURROGATE RECOVERIESQC LIMITS

BROMOFLUOROBENZENE	(86 - 115 %)	101	%
TOLUENE-D8	(88 - 110 %)	109	%
DIBROMOFLUOROMETHANE	(86 - 118 %)	110	%

Data Reported following TCLP Toxicity Characteristics Leaching Procedure.
Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8270 TCLP

Reported: 08/08/97

Dames & Moore

Project Reference: GE URBAN STREET

Client Sample ID : SS-103

Date Sampled : 07/28/97 Order #: 159360 Sample Matrix: SOIL/SEDIMENT
Date Received: 07/28/97 Submission #: 9707000362 Analytical Run 19000

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED	: 08/04/97		
DATE ANALYZED	: 08/05/97		
ANALYTICAL DILUTION:	10.0		
1,4-DICHLOROBENZENE	5.0	50 U	UG/L
2,4-DINITROTOLUENE	5.0	50 U	UG/L
HEXACHLOROBENZENE	5.0	50 U	UG/L
HEXACHLOROBUTADIENE	5.0	50 U	UG/L
HEXACHLOROETHANE	5.0	50 U	UG/L
2-METHYLPHENOL	10	100 U	UG/L
3+4-METHYLPHENOL	10	100 U	UG/L
NITROBENZENE	5.0	50 U	UG/L
PENTACHLOROPHENOL	20	200 U	UG/L
PYRIDINE	10	100 U	UG/L
2,4,6-TRICHLOROPHENOL	10	100 U	UG/L
2,4,5-TRICHLOROPHENOL	10	100 U	UG/L

SURROGATE RECOVERIES**QC LIMITS**

TERPHENYL-D14	(33 - 141 %)	92	%
NITROBENZENE-D5	(35 - 114 %)	53	%
PHENOL-D6	(10 - 94 %)	22	%
2-FLUOROBIPHENYL	(43 - 116 %)	65	%
2-FLUOROPHENOL	(21 - 110 %)	35	%
2,4,6-TRIBROMOPHENOL	(10 - 123 %)	74	%

Data Reported following TCLP Toxicity Characteristics Leaching Procedure.
Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8080 TCLP

Reported: 08/08/97

Dames & Moore

Project Reference: GE URBAN STREET

Client Sample ID : SS-103

Date Sampled : 07/28/97 Order #: 159360 Sample Matrix: SOIL/SEDIMENT
Date Received: 07/28/97 Submission #: 9707000362 Analytical Run 19007

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED	: 08/04/97		
DATE ANALYZED	: 08/05/97		
ANALYTICAL DILUTION:	10.0		
GAMMA-BHC (LINDANE)	0.50	5.0 U	UG/L
CHLORDANE	2.0	20 U	UG/L
ENDRIN	0.50	5.0 U	UG/L
HEPTACHLOR	0.50	5.0 U	UG/L
HEPTACHLOR EPOXIDE	0.50	5.0 U	UG/L
METHOXYCHLOR	2.0	20 U	UG/L
TOXAPHENE	10	100 U	UG/L

SURROGATE RECOVERIESQC LIMITS

DIBUTYLCHLORENDATE (DBC)	(24 - 154 %)	115	%
TETRACHLORO-META-XYLENE, TCMX	(30 - 150 %)	71	%

Data Reported following TCLP Toxicity Characteristics Leaching Procedure.
Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS****METHOD 8080 PCBS****Reported: 08/08/97****Dames & Moore****Project Reference: GE URBAN STREET****Client Sample ID : SS-103**

Date Sampled : 07/28/97 Order #: 159360 Sample Matrix: SOIL/SEDIMENT
Date Received: 07/28/97 Submission #: 9707000362 Percent Solid: 82.2

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 07/30/97			
DATE ANALYZED : 07/30/97			
ANALYTICAL DILUTION: 10.0			Dry Weight
PCB 1016	400	4900 U	UG/KG
PCB 1221	400	4900 U	UG/KG
PCB 1232	400	4900 U	UG/KG
PCB 1242	400	4900 U	UG/KG
PCB 1248	400	4900 U	UG/KG
PCB 1254	400	4900 U	UG/KG
PCB 1260	400	26000	UG/KG

<u>SURROGATE RECOVERIES</u>	<u>QC LIMITS</u>		
DECACHLOROBIPHENYL	(30 - 150 %)	126	%
TETRACHLORO-META-XYLENE	(30 - 150 %)	101	%

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS****METHOD 8150 TCLP****Reported: 08/08/97****Dames & Moore****Project Reference: GE URBAN STREET****Client Sample ID : SS-103**

Date Sampled : 07/28/97 Order #: 159360 Sample Matrix: SOIL/SEDIMENT
Date Received: 07/28/97 Submission #: 9707000362 Analytical Run 19077

ANALYTE	PQL	RESULT	UNITS
----------------	------------	---------------	--------------

DATE EXTRACTED	: 08/04/97		
DATE ANALYZED	: 08/07/97		
ANALYTICAL DILUTION:	100.0		

2,4-D	0.50	50 U	UG/L
2,4,5-TP (SILVEX)	0.50	50 U	UG/L

SURROGATE RECOVERIES**QC LIMITS**

2,4-DB	(18 - 152 %)	84	%
--------	--------------	----	---

Data Reported following TCLP Toxicity Characteristics Leaching Procedure.
Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

COLUMBIA ANALYTICAL SERVICES

Reported: 08/08/97

Dames & Moore
Project Reference:GE URBAN STREET
Client Sample ID :SS-104

Date Sampled :07/28/97

Order #:159361

Sample Matrix:SOIL/SEDIMENT

Date Received:07/28/97

Submission #:9707000362

ANALYTE	PQL	RESULT	UNITS	DATE ANALYZED	ANALYTICAL DILUTION
CYANIDE REACTIVITY	0.333	0.333 U	MG/KG	08/01/97	1.0
FLASH POINT		>100	°C	07/29/97	1.0
PERCENT SOLIDS	1.0	79.0	%	07/30/97	1.0
PH		8.12		07/28/97	NA
SULFIDE REACTIVITY	10.0	10.0 U	MG/KG	07/30/97	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 08/08/97

Dames & Moore
Project Reference:GE URBAN STREET
Client Sample ID :SS-104

Date Sampled :07/28/97
Date Received:07/28/97

Order #:159361
Submission #:9707000362

Sample Matrix:SOIL/SEDIMENT

ANALYTE	PQL	RESULT	UNITS	DATE ANALYZED	ANALYTICAL DILUTION
ARSENIC	0.500	0.500 U	MG/L	08/05/97	1.0
BARIUM	1.00	1.41	MG/L	08/04/97	1.0
CADMIUM	0.100	0.100 U	MG/L	08/04/97	1.0
CHROMIUM	0.100	0.100 U	MG/L	08/04/97	1.0
LEAD	0.100	2.82	MG/L	08/04/97	1.0
MERCURY	0.000300	0.00300 U	MG/L	08/04/97	10.0
SELENIUM	0.500	0.500 U	MG/L	08/04/97	1.0
SILVER	0.100	0.100 U	MG/L	08/04/97	1.0

Data reported following TCLP Toxicity Characteristics Leaching Procedure. Federal Register, Part 261, Vol. 55, No. 126, June 29, 1990.

METALS-2

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260 TCLP
Reported: 08/08/97

Dames & Moore
Project Reference: GE URBAN STREET
Client Sample ID : SS-104

Date Sampled : 07/28/97 Order #: 159361 Sample Matrix: SOIL/SEDIMENT
Date Received: 07/28/97 Submission #: 9707000362 Analytical Run 18964

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED	: 08/02/97		
ANALYTICAL DILUTION:	10.0		
BENZENE	5.0	50 U	UG/L
2-BUTANONE (MEK)	10	100 U	UG/L
CARBON TETRACHLORIDE	5.0	50 U	UG/L
CHLOROBENZENE	5.0	50 U	UG/L
CHLOROFORM	5.0	50 U	UG/L
1,2-DICHLOROETHANE	5.0	50 U	UG/L
1,1-DICHLOROETHENE	5.0	50 U	UG/L
TETRACHLOROETHENE	5.0	50 U	UG/L
TRICHLOROETHENE	5.0	50 U	UG/L
VINYL CHLORIDE	5.0	50 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
BROMOFLUOROBENZENE	(86 - 115 %)	101	%
TOLUENE-D8	(88 - 110 %)	105	%
DIBROMOFLUOROMETHANE	(86 - 118 %)	113	%

Data Reported following TCLP Toxicity Characteristics Leaching Procedure.
Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8270 TCLP

Reported: 08/08/97

Dames & Moore

Project Reference: GE URBAN STREET

Client Sample ID : SS-104

Date Sampled : 07/28/97

Order #: 159361

Sample Matrix: SOIL/SEDIMENT

Date Received: 07/28/97

Submission #: 9707000362

Analytical Run 19000

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 08/04/97			
DATE ANALYZED : 08/05/97			
ANALYTICAL DILUTION: 10.0			
1,4-DICHLOROBENZENE	5.0	50 U	UG/L
2,4-DINITROTOLUENE	5.0	50 U	UG/L
HEXACHLOROBENZENE	5.0	50 U	UG/L
HEXACHLOROBUTADIENE	5.0	50 U	UG/L
HEXACHLOROETHANE	5.0	50 U	UG/L
2-METHYLPHENOL	10	100 U	UG/L
3+4-METHYLPHENOL	10	100 U	UG/L
NITROBENZENE	5.0	50 U	UG/L
PENTACHLOROPHENOL	20	200 U	UG/L
PYRIDINE	10	100 U	UG/L
2,4,6-TRICHLOROPHENOL	10	100 U	UG/L
2,4,5-TRICHLOROPHENOL	10	100 U	UG/L

SURROGATE RECOVERIESQC LIMITS

TERPHENYL-D14	(33 - 141 %)	91	%
NITROBENZENE-D5	(35 - 114 %)	51	%
PHENOL-D6	(10 - 94 %)	20	%
2-FLUOROBIPHENYL	(43 - 116 %)	64	%
2-FLUOROPHENOL	(21 - 110 %)	32	%
2,4,6-TRIBROMOPHENOL	(10 - 123 %)	76	%

Data Reported following TCLP Toxicity Characteristics Leaching Procedure.
Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8080 TCLP

Reported: 08/08/97

Dames & Moore

Project Reference: GE URBAN STREET

Client Sample ID : SS-104

Date Sampled : 07/28/97 Order #: 159361 Sample Matrix: SOIL/SEDIMENT
Date Received: 07/28/97 Submission #: 9707000362 Analytical Run 19007

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED	: 08/04/97		
DATE ANALYZED	: 08/05/97		
ANALYTICAL DILUTION:	10.0		
GAMMA-BHC (LINDANE)	0.50	5.0 U	UG/L
CHLORDANE	2.0	20 U	UG/L
ENDRIN	0.50	5.0 U	UG/L
HEPTACHLOR	0.50	5.0 U	UG/L
HEPTACHLOR EPOXIDE	0.50	5.0 U	UG/L
METHOXYCHLOR	2.0	20 U	UG/L
TOXAPHENE	10	100 U	UG/L

SURROGATE RECOVERIESQC LIMITS

DIBUTYLCHLORENDATE (DBC)	(24 - 154 %)	110	%
TETRACHLORO-META-XYLENE, TCMX	(30 - 150 %)	77	%

Data Reported following TCLP Toxicity Characteristics Leaching Procedure.
Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8080 PCBS

Reported: 08/08/97

Dames & Moore

Project Reference: GE URBAN STREET

Client Sample ID : SS-104

Date Sampled : 07/28/97 Order #: 159361 Sample Matrix: SOIL/SEDIMENT
Date Received: 07/28/97 Submission #: 9707000362 Percent Solid: 79.0

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED	: 07/30/97		
DATE ANALYZED	: 07/30/97		
ANALYTICAL DILUTION:	10.0		Dry Weight
PCB 1016	400	5100 U	UG/KG
PCB 1221	400	5100 U	UG/KG
PCB 1232	400	5100 U	UG/KG
PCB 1242	400	5100 U	UG/KG
PCB 1248	400	5100 U	UG/KG
PCB 1254	400	5100 U	UG/KG
PCB 1260	400	28000	UG/KG

<u>SURROGATE RECOVERIES</u>	<u>QC LIMITS</u>		
DECACHLOROBIPHENYL	(30 - 150 %)	124	%
TETRACHLORO-META-XYLENE	(30 - 150 %)	104	%

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS****METHOD 8150 TCLP****Reported: 08/08/97****Dames & Moore****Project Reference: GE URBAN STREET****Client Sample ID : SS-104**

Date Sampled : 07/28/97 Order #: 159361 Sample Matrix: SOIL/SEDIMENT
Date Received: 07/28/97 Submission #: 9707000362 Analytical Run 19077

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 08/04/97			
DATE ANALYZED : 08/07/97			
ANALYTICAL DILUTION: 100.0			
2,4-D	0.50	50 U	UG/L
2,4,5-TP (SILVEX)	0.50	50 U	UG/L

SURROGATE RECOVERIES**QC LIMITS**

2,4-DB	(18 - 152 %)	63	%
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Data Reported following TCLP Toxicity Characteristics Leaching Procedure.
Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

A ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260 TCLP
Reported: 08/08/97

Project Reference:
Client Sample ID : METHOD BLANK

Date Sampled : **Order #:** 160365 **Sample Matrix:** SOIL/SEDIMENT
Date Received: **Submission #:** **Analytical Run** 18964

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 08/02/97			
ANALYTICAL DILUTION: 1.0			
BENZENE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	5.0 U	UG/L
VINYL CHLORIDE	5.0	5.0 U	UG/L

SURROGATE RECOVERIES**QC LIMITS**

BROMOFLUOROBENZENE	(86 - 115 %)	100	%
TOLUENE-D8	(88 - 110 %)	102	%
DIBROMOFLUOROMETHANE	(86 - 118 %)	95	%

Data Reported following TCLP Toxicity Characteristics Leaching Procedure.
Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8270 TCLP

Reported: 08/08/97

Project Reference:

Client Sample ID : METHOD BLANK

Date Sampled :	Order #: 160556	Sample Matrix: SOIL/SEDIMENT
Date Received:	Submission #:	Analytical Run 19000

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 08/04/97			
DATE ANALYZED : 08/05/97			
ANALYTICAL DILUTION: 1.0			
1,4-DICHLOROBENZENE	5.0	5.0 U	UG/L
2,4-DINITROTOLUENE	5.0	5.0 U	UG/L
HEXACHLOROBENZENE	5.0	5.0 U	UG/L
HEXACHLOROBUTADIENE	5.0	5.0 U	UG/L
HEXACHLOROETHANE	5.0	5.0 U	UG/L
2-METHYLPHENOL	10	10 U	UG/L
2,4-DIMETHYLPHENOL	10	10 U	UG/L
NITROBENZENE	5.0	5.0 U	UG/L
PENTACHLOROPHENOL	20	20 U	UG/L
PYRIDINE	10	10 U	UG/L
2,4,6-TRICHLOROPHENOL	10	10 U	UG/L
2,4,5-TRICHLOROPHENOL	10	10 U	UG/L

SURROGATE RECOVERIES**QC LIMITS**

TERPHENYL-D14	(33 - 141 %)	95	%
NITROBENZENE-D5	(35 - 114 %)	72	%
PHENOL-D6	(10 - 94 %)	76	%
2-FLUOROBIPHENYL	(43 - 116 %)	77	%
2-FLUOROPHENOL	(21 - 110 %)	74	%
2,4,6-TRIBROMOPHENOL	(10 - 123 %)	54	%

Data Reported following TCLP Toxicity Characteristics Leaching Procedure.
Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8080 TCLP

Reported: 08/08/97

Project Reference:

Client Sample ID : METHOD BLANK

Date Sampled :	Order #: 160666	Sample Matrix: SOIL/SEDIMENT
Date Received:	Submission #:	Analytical Run 19007

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 08/04/97			
DATE ANALYZED : 08/05/97			
ANALYTICAL DILUTION: 10.0			
GAMMA-BHC (LINDANE)	0.50	5.0 U	UG/L
CHLORDANE	2.0	20 U	UG/L
ENDRIN	0.50	5.0 U	UG/L
HEPTACHLOR	0.50	5.0 U	UG/L
HEPTACHLOR EPOXIDE	0.50	5.0 U	UG/L
METHOXYCHLOR	2.0	20 U	UG/L
DIOXAPHENE	10	100 U	UG/L

SURROGATE RECOVERIESQC LIMITS

DIBUTYLCHLORENDATE (DBC)	(24 - 154 %)	117	%
TETRACHLORO-META-XYLENE, TCMX	(30 - 150 %)	97	%

Data Reported following TCLP Toxicity Characteristics Leaching Procedure.
Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8080 PCBS

Reported: 08/08/97

Project Reference:**Client Sample ID :** METHOD BLANK

Date Sampled :	Order #: 159577	Sample Matrix: SOIL/SEDIMENT
Date Received:	Submission #:	Percent Solid: 100

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 07/30/97			
DATE ANALYZED : 07/30/97			
ANALYTICAL DILUTION: 1.0			Dry Weight
PCB 1016	400	400 U	UG/KG
PCB 1221	400	400 U	UG/KG
PCB 1232	400	400 U	UG/KG
PCB 1242	400	400 U	UG/KG
PCB 1248	400	400 U	UG/KG
PCB 1254	400	400 U	UG/KG
CB 1260	400	400 U	UG/KG

SURROGATE RECOVERIESQC LIMITS

DECACHLOROBIPHENYL	(30 - 150 %)	82	%
TETRACHLORO-META-XYLENE	(30 - 150 %)	104	%

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS****METHOD 8150 TCLP****Reported: 08/08/97****Project Reference:****Client Sample ID : METHOD BLANK**

Date Sampled :	Order #: 161207	Sample Matrix: SOIL/SEDIMENT
Date Received:	Submission #:	Analytical Run 19077

ANALYTE	PQL	RESULT	UNITS
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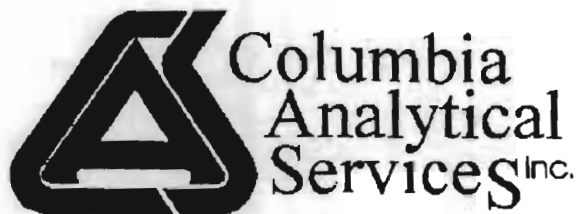
DATE EXTRACTED	: 08/04/97
DATE ANALYZED	: 08/07/97
ANALYTICAL DILUTION:	100.0

2,4-D	0.50	50 U	UG/L
2,4,5-TP (SILVEX)	0.50	50 U	UG/L

SURROGATE RECOVERIES**QC LIMITS**

2,4-DB	(18 - 152 %)	90	%
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Data Reported following TCLP Toxicity Characteristics Leaching Procedure.
Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.



Columbia
Analytical
Services^{Inc.}

A FULL SERVICE ENVIRONMENTAL LABORATORY

August 15, 1997

RECEIVED
Dames & Moore

AUG 19 1997

Mr. Mark Colmerauer
Dames & Moore
3065 Southwestern Blvd.
Orchard Park, NY 14127

File # _____

PROJECT:GE URBAN ST
Submission #:9708000138

Dear Mr. Colmerauer:

Enclosed are the analytical results of the analyses requested. The analytical data was provided to you on 08/11/97 per a Facsimile transmittal. All data has been reviewed prior to report submission.

Should you have any questions please contact me at (716) 288-5380.

Thank you for letting us provide this service.

Sincerely,

COLUMBIA ANALYTICAL SERVICES

Mark Wilson
Client Service Manager

Enc.

This package has been reviewed by Columbia Analytical Services' QA Department/Laboratory Director prior to report submittal.

1 Mustard St. • Suite 250 • Rochester, NY 14608 • Tele:(716)288-5380 • Fax:(716)288-8475
65 Ramo Vally Rd. • Suite 16 • Mahwah, NJ 07430 • Tele:(201)512-3292 • Fax:(201)512-3362
12699 Roll Rd. • Akron, NY 14001 • Tele:(716)542-1264 • Fax:(716)542-3353



Effective 04/01/96

CAS LIST OF QUALIFIERS

(The basis of this proposal are the EPA-CLP Qualifiers)

- U - Indicates compound was analyzed for but was not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.
- J - Indicates an estimated value. For further explanation see case narrative / cover letter
- B - This flag is used when the analyte is found in the associated blank as well as in the sample.
- E - This flag identifies compounds whose concentrations exceed the calibration range.
- A - This flag indicates that a TIC is a suspected aldol-condensation product.
- N - Spiked sample recovery not within control limits.
(Flag the entire batch - Inorganic analysis only)
- * - Duplicate analysis not within control limits.
(Flag the entire batch - Inorganic analysis only)
 - Also used to qualify Organics QC data outside limits.
- D - Spike diluted out.
- S - Reported value determined by Method of Standard Additions. (MSA)
- X - As specified in the case narrative.

CAS Lab ID # for State Certifications

NY ID # in Rochester: 10145
CT ID # in Rochester: PH0556
MA ID # in Rochester: M-NY032

NJ ID # in Rochester: 73004
RI ID # in Rochester: 158

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8080 PCBS

Reported: 08/15/97

Dames & Moore

Project Reference: GE URBAN ST

Client Sample ID : UST-W2

Date Sampled : 08/07/97

Order #: 161561

Sample Matrix: WIPE

Date Received: 08/08/97

Submission #: 9708000138

Analytical Run 19145

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 08/09/97			
DATE ANALYZED : 08/10/97			
ANALYTICAL DILUTION: 1.0			
PCB 1016	1.0	1.0 U	UG/WI
PCB 1221	1.0	1.0 U	UG/WI
PCB 1232	1.0	1.0 U	UG/WI
PCB 1242	1.0	1.0 U	UG/WI
PCB 1248	1.0	1.0 U	UG/WI
PCB 1254	1.0	1.0 U	UG/WI
PCB 1260	1.0	15	UG/WI

SURROGATE RECOVERIESQC LIMITSDECACHLOROBIPHENYL
TETRACHLORO-META-XYLENE(30 - 150 %)
(30 - 150 %)110 %
108 %

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8080 PCBS

Reported: 08/15/97

Dames & Moore

Project Reference: GE URBAN ST

Client Sample ID : UST-W3

Date Sampled : 08/07/97

Order #: 161562

Sample Matrix: WIPE

Date Received: 08/08/97

Submission #: 9708000138

Analytical Run 19145

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 08/09/97			
DATE ANALYZED : 08/10/97			
ANALYTICAL DILUTION: 1.0			
PCB 1016	1.0	1.0 U	UG/WI
PCB 1221	1.0	1.0 U	UG/WI
PCB 1232	1.0	1.0 U	UG/WI
PCB 1242	1.0	1.0 U	UG/WI
PCB 1248	1.0	1.0 U	UG/WI
PCB 1254	1.0	1.0 U	UG/WI
PCB 1260	1.0	7.7	UG/WI

SURROGATE RECOVERIESQC LIMITSDECACHLOROBIPHENYL
TETRACHLORO-META-XYLENE(30 - 150 %)
(30 - 150 %)111 %
109 %

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8080 PCBS

Reported: 08/15/97

Project Reference:

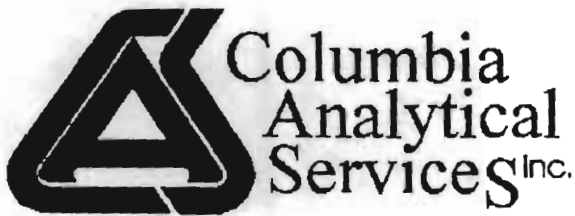
Client Sample ID : METHOD BLANK

Date Sampled :	Order #: 161622	Sample Matrix: WIPE
Date Received:	Submission #:	Analytical Run 19145

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 08/09/97			
DATE ANALYZED : 08/10/97			
ANALYTICAL DILUTION: 1.0			
PCB 1016	1.0	1.0 U	UG/WI
PCB 1221	1.0	1.0 U	UG/WI
PCB 1232	1.0	1.0 U	UG/WI
PCB 1242	1.0	1.0 U	UG/WI
PCB 1248	1.0	1.0 U	UG/WI
PCB 1254	1.0	1.0 U	UG/WI
PCB 1260	1.0	1.0 U	UG/WI

<u>SURROGATE RECOVERIES</u>	<u>QC LIMITS</u>		
DECACHLOROBIPHENYL	(30 - 150 %)	98	%
TETRACHLORO-META-XYLENE	(30 - 150 %)	94	%

[illegible]



A FULL SERVICE ENVIRONMENTAL LABORATORY

August 18, 1997

RECEIVED
Dames & Moore

AUG 20 1997

File # _____

Mr. Mark Colmerauer
Dames & Moore
3065 Southwestern Blvd.
Orchard Park, NY 14127

PROJECT:GE URBAN ST
Submission #:9708000110

Dear Mr. Colmerauer:

Enclosed are the analytical results of the analyses requested. The analytical data was provided to you on 08/08/97 per a Facsimile transmittal. All data has been reviewed prior to report submission.

Should you have any questions please contact me at (716) 288-5380.

Thank you for letting us provide this service.

Sincerely,

COLUMBIA ANALYTICAL SERVICES

Mark Wilson
Client Service Manager

Enc.

This package has been reviewed by Columbia Analytical Services' QA Department/Laboratory Director prior to report submittal.

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12699 Roll Rd. • Akron, NY 14001 • Tele:(716)542-1264 • Fax:(716)542-3353



Effective 04/01/96

CAS LIST OF QUALIFIERS

(The basis of this proposal are the EPA-CLP Qualifiers)

- U - Indicates compound was analyzed for but was not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.
- J - Indicates an estimated value. For further explanation see case narrative / cover letter
- B - This flag is used when the analyte is found in the associated blank as well as in the sample.
- E - This flag identifies compounds whose concentrations exceed the calibration range.
- A - This flag indicates that a TIC is a suspected aldol-condensation product.
- N - Spiked sample recovery not within control limits.
(Flag the entire batch - Inorganic analysis only)
- * - Duplicate analysis not within control limits.
(Flag the entire batch - Inorganic analysis only)
 - Also used to qualify Organics QC data outside limits.
- D - Spike diluted out.
- S - Reported value determined by Method of Standard Additions. (MSA)
- X - As specified in the case narrative.

CAS Lab ID # for State Certifications

NY ID # in Rochester: 10145
CT ID # in Rochester: PH0556
MA ID # in Rochester: M-NY032

NJ ID # in Rochester: 73004
RI ID # in Rochester: 158

COLUMBIA ANALYTICAL SERVICES

ANALYTICAL REPORT SUMMARY

METHOD 8021 STARS LIST VOAS

DRY WEIGHT REPORTED UNITS: UG/KG

Dames & Moore

GE URBAN ST

SUBMISSION #: 9708000110

ORDER NUMBER		161146	161147	161149	161150
SAMPLE ID:		SS-150	SS-151	SS-152	SS-153
DATE SAMPLED:		08/06/1997	08/06/1997	08/06/1997	08/06/1997
DATE RECEIVED:	PQL	08/07/1997	08/07/1997	08/07/1997	08/07/1997
DATE ANALYZED:		08/07/97	08/07/97	08/07/97	08/07/97
DILUTION:		1.0	1.0	1.0	5.0
PERCENT SOLID (%):		81.7	83.3	81.7	84.7
BENZENE	1.0	1.2 U	1.2 U	1.2 U	5.9 U
N-BUTYLBENZENE	1.0	1.2 U	1.2 U	1.2 U	210
SEC-BUTYLBENZENE	1.0	1.2 U	3.7	1.2 U	31
TERT-BUTYLBENZENE	1.0	1.2 U	1.2 U	1.2 U	5.9 U
METHYL-TERT-BUTYLETHER	1.0	1.2 U	1.2 U	1.2 U	5.9 U
ETHYLBENZENE	1.0	1.2 U	1.2 U	1.2 U	5.9 U
ISOPROPYLBENZENE	1.0	1.2 U	1.2 U	1.2 U	5.9 U
P-ISOPROPYLTOLUENE	1.0	1.2 U	1.2 U	1.2 U	35
NAPHTHALENE	1.0	1.2 U	1.2 U	1.2 U	57
N-PROPYLBENZENE	1.0	1.2 U	1.2 U	1.2 U	52
TOLUENE	1.0	1.2 U	1.2 U	1.2 U	5.9 U
1,2,4-TRIMETHYLBENZENE	1.0	1.2 U	2.5	1.2 U	270
1,3,5-TRIMETHYLBENZENE	1.0	1.2 U	2.9	1.2 U	79
M+P-XYLENE	2.0	2.4 U	2.4 U	2.4 U	12 U
O-XYLENE	2.0	2.4 U	2.4 U	2.4 U	12 U
SURROGATE RECOVERIES	LIMITS				
CHLOROFLUOROBENZENE	60 - 140	83	90	80	89

COLUMBIA ANALYTICAL SERVICESANALYTICAL REPORT SUMMARY

METHOD 8021 STARS LIST VOAS

DRY WEIGHT REPORTED UNITS: UG/KG

Dames & Moore

GE URBAN ST

SUBMISSION #: 9708000110

ORDER NUMBER	161151
SAMPLE ID:	SS-154
DATE SAMPLED:	08/06/1997
DATE RECEIVED:	PQL 08/07/1997

DATE ANALYZED:	08/08/97
DILUTION:	1.0
PERCENT SOLID (%):	89.9

BENZENE	1.0	1.1 U
N-BUTYLBENZENE	1.0	1.1 U
SEC-BUTYLBENZENE	1.0	1.1 U
TERT-BUTYLBENZENE	1.0	1.1 U
METHYL-TERT-BUTYLETHER	1.0	1.1 U
ETHYLBENZENE	1.0	1.1 U
ISOPROPYLBENZENE	1.0	1.1 U
P-ISOPROPYLTOLUENE	1.0	1.1 U
NAPHTHALENE	1.0	1.1 U
N-PROPYLBENZENE	1.0	1.1 U
TOLUENE	1.0	1.1 U
1,2,4-TRIMETHYLBENZENE	1.0	1.1 U
1,3,5-TRIMETHYLBENZENE	1.0	1.1 U
M+P-XYLENE	2.0	2.2 U
O-XYLENE	2.0	2.2 U

SURROGATE RECOVERIESLIMITS

CHLOROFLUOROBENZENE	60 - 140
---------------------	----------

75

COLUMBIA ANALYTICAL SERVICES

ANALYTICAL REPORT SUMMARY

METHOD 8260 TCL

DRY WEIGHT REPORTED UNITS: UG/KG

Dames & Moore

GE URBAN ST

SUBMISSION #: 9708000110

ORDER NUMBER	161144
SAMPLE ID:	SS-146
DATE SAMPLED:	08/06/1997
DATE RECEIVED:	PQL 08/07/1997

DATE ANALYZED:	8/ 7/97
DILUTION:	1.0
PERCENT SOLID (%):	83.4

ACETONE	20	24 U
BENZENE	5.0	6.0 U
BROMODICHLOROMETHANE	5.0	6.0 U
BROMOFORM	5.0	6.0 U
BROMOMETHANE	5.0	6.0 U
BUTANONE (MEK)	10	12 U
CARBON DISULFIDE	10	12 U
CARBON TETRACHLORIDE	5.0	6.0 U
CHLOROBENZENE	5.0	6.0 U
CHLOROETHANE	5.0	6.0 U
CHLOROFORM	5.0	6.0 U
CHLOROMETHANE	5.0	6.0 U
DIBROMOCHLOROMETHANE	5.0	6.0 U
1,1-DICHLOROETHANE	5.0	6.0 U
1,2-DICHLOROETHANE	5.0	6.0 U
1,1-DICHLOROETHENE	5.0	6.0 U
CIS-1,2-DICHLOROETHENE	5.0	6.0 U
TRANS-1,2-DICHLOROETHENE	5.0	6.0 U
1,2-DICHLOROPROPANE	5.0	6.0 U
CIS-1,3-DICHLOROPROPENE	5.0	6.0 U
TRANS-1,3-DICHLOROPROPENE	5.0	6.0 U
ETHYLBENZENE	5.0	6.0 U
2-HEXANONE	10	12 U
METHYLENE CHLORIDE	5.0	6.0 U
4-METHYL-2-PENTANONE (MIBK)	10	12 U
STYRENE	5.0	6.0 U
1,1,2,2-TETRACHLOROETHANE	5.0	6.0 U
TETRACHLOROETHENE	5.0	6.0 U
TOLUENE	5.0	6.0 U
1,1,1-TRICHLOROETHANE	5.0	6.0 U
1,1,2-TRICHLOROETHANE	5.0	6.0 U
TRICHLOROETHENE	5.0	6.0 U
VINYL CHLORIDE	5.0	6.0 U
M+P-XYLENE	5.0	6.0 U
O-XYLENE	5.0	6.0 U

SURROGATE RECOVERIES	LIMITS	
4-BROMOFLUOROBENZENE	74 - 121	103
TOLUENE-D8	81 - 117	94
DIBROMOFLUOROMETHANE	80 - 120	102

COLUMBIA ANALYTICAL SERVICES

ANALYTICAL REPORT SUMMARY

METHOD 8270 STARS LIST SEMIVOLATILES

DRY WEIGHT REPORTED UNITS: UG/KG

Dames & Moore

GE URBAN ST

SUBMISSION #: 9708000110

ORDER NUMBER		161146	161147	161149	161150
SAMPLE ID:		SS-150	SS-151	SS-152	SS-153
DATE SAMPLED:		08/06/1997	08/06/1997	08/06/1997	08/06/1997
DATE RECEIVED:	PQL	08/07/1997	08/07/1997	08/07/1997	08/07/1997
DATE EXTRACTED:		08/07/97	08/07/97	08/07/97	08/07/97
DATE ANALYZED:		8/ 7/97	8/ 7/97	8/ 7/97	8/ 7/97
DILUTION:		1.0	1.0	1.0	1.0
PERCENT SOLID (%):		81.7	83.3	81.7	84.7
ACENAPHTHENE	330	400 U	400 U	400 U	390 U
ANTHRACENE	330	400 U	400 U	400 U	390 U
BENZO(A)ANTHRACENE	330	400 U	400 U	400 U	390 U
BENZO(A)PYRENE	330	400 U	400 U	400 U	390 U
BENZO(B)FLUORANTHENE	330	400 U	400 U	400 U	390 U
BENZO(G,H,I)PERYLENE	330	400 U	400 U	400 U	390 U
BENZO(K)FLUORANTHENE	330	400 U	400 U	400 U	390 U
INDENO(1,2,3-CD)PYRENE	330	400 U	400 U	400 U	390 U
CHRYSENE	330	400 U	400 U	400 U	390 U
DIBENZO(A,H)ANTHRACENE	330	400 U	400 U	400 U	390 U
FLUORANTHENE	330	400 U	400 U	400 U	390 U
FLUORENE	330	400 U	400 U	400 U	390 U
NAPHTHALENE	200	240 U	240 U	240 U	240 U
PHENANTHRENE	330	400 U	400 U	400 U	390 U
PYRENE	330	400 U	400 U	400 U	390 U

SURROGATE RECOVERIES

LIMITS

TERPHENYL-d14	18 - 137	75	79	67	84
NITROBENZENE-d5	23 - 120	50	24	26	23
-FLUOROBIPHENYL	30 - 115	54	34	27 *	39

ANALYTICAL REPORT SUMMARY

METHOD 8270 STARS LIST SEMIVOLATILES

DRY WEIGHT REPORTED UNITS: UG/KG

Dames & Moore

GE URBAN ST

SUBMISSION #: 9708000110

ORDER NUMBER	161151
SAMPLE ID:	SS-154
DATE SAMPLED:	08/06/1997
DATE RECEIVED:	PQL 08/07/1997

DATE EXTRACTED:	08/07/97
DATE ANALYZED:	8/ 7/97
DILUTION:	1.0
PERCENT SOLID (%):	89.9

ACENAPHTHENE	330	370 U
ANTHRACENE	330	370 U
BENZO(A)ANTHRACENE	330	370 U
BENZO(A)PYRENE	330	370 U
BENZO(B)FLUORANTHENE	330	370 U
BENZO(G,H,I)PERYLENE	330	370 U
BENZO(K)FLUORANTHENE	330	370 U
INDENO(1,2,3-CD)PYRENE	330	370 U
CHRYSENE	330	370 U
DIBENZO(A,H)ANTHRACENE	330	370 U
FLUORANTHENE	330	370 U
FLUORENE	330	370 U
NAPHTHALENE	200	220 U
PHENANTHRENE	330	370 U
PYRENE	330	370 U

SURROGATE RECOVERIES

LIMITS

TERPHENYL-d14	18 - 137	75
NITROBENZENE-d5	23 - 120	27
-FLUOROBIPHENYL	30 - 115	39

COLUMBIA ANALYTICAL SERVICES

ANALYTICAL REPORT SUMMARY

METHOD 8080 PCBs

DRY WEIGHT REPORTED UNITS: UG/KG

Dames & Moore

GE URBAN ST

SUBMISSION #: 9708000110

ORDER NUMBER		161144	161145
SAMPLE ID:		SS-146	SS-147
DATE SAMPLED:		08/06/1997	08/06/1997
DATE RECEIVED:	PQL	08/07/1997	08/07/1997
DATE EXTRACTED:		08/07/97	08/07/97
DATE ANALYZED:		8/07/97	8/08/97
DILUTION:		1.0	10.0
PERCENT SOLID (%):		83.4	83.7
PCB 1016	400	480 U	4800 U
PCB 1221	400	480 U	4800 U
PCB 1232	400	480 U	4800 U
PCB 1242	400	480 U	4800 U
PCB 1248	400	480 U	4800 U
PCB 1254	400	480 U	4800 U
PCB 1260	400	480 U	9600

SURROGATE RECOVERIES

LIMITS

DECACHLOROBIPHENYL	30 - 150	92	119
TETRACHLORO-META-XYLENE	30 - 150	95	104

COLUMBIA ANALYTICAL SERVICES**VOLATILE ORGANICS**

METHOD 8021 STARS LIST VOAS

Reported: 08/18/97

Project Reference:

Client Sample ID : METHOD BLANK

Date Sampled :	Order #: 161217	Sample Matrix: SOIL/SEDIMENT
Date Received:	Submission #:	Percent Solid: 100

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 08/07/97			
ANALYTICAL DILUTION: 1.0			Dry Weight
BENZENE	1.0	1.0 U	UG/KG
SEC-BUTYLBENZENE	1.0	1.0 U	UG/KG
TERT-BUTYLBENZENE	1.0	1.0 U	UG/KG
N-BUTYLBENZENE	1.0	1.0 U	UG/KG
METHYL-TERT-BUTYLETHER	1.0	1.0 U	UG/KG
ETHYLBENZENE	1.0	1.0 U	UG/KG
ISOPROPYLBENZENE	1.0	1.0 U	UG/KG
ISOPROPYLTOLUENE	1.0	1.0 U	UG/KG
NAPHTHALENE	1.0	1.0 U	UG/KG
N-PROPYLBENZENE	1.0	1.0 U	UG/KG
TOLUENE	1.0	1.0 U	UG/KG
1,2,4-TRIMETHYLBENZENE	1.0	1.0 U	UG/KG
1,3,5-TRIMETHYLBENZENE	1.0	1.0 U	UG/KG
O-XYLENE	2.0	2.0 U	UG/KG
M+P-XYLENE	2.0	2.0 U	UG/KG

SURROGATE RECOVERIESQC LIMITS

CHLOROFLUOROBENZENE	(60 - 140 %)	84	%
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COLUMBIA ANALYTICAL SERVICESVOLATILE ORGANICS
METHOD 8260 TCL
Reported: 08/18/97Project Reference:
Client Sample ID : METHOD BLANK

Date Sampled :	Order #: 161557	Sample Matrix: SOIL/SEDIMENT
Date Received:	Submission #:	Percent Solid: 100

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 08/07/97			
ANALYTICAL DILUTION: 1.0			Dry Weight
ACETONE	20	20 U	UG/KG
BENZENE	5.0	5.0 U	UG/KG
BROMODICHLOROMETHANE	5.0	5.0 U	UG/KG
BROMOFORM	5.0	5.0 U	UG/KG
BROMOMETHANE	5.0	5.0 U	UG/KG
2-BUTANONE (MEK)	10	10 U	UG/KG
CARBON DISULFIDE	10	10 U	UG/KG
CARBON TETRACHLORIDE	5.0	5.0 U	UG/KG
CHLOROBENZENE	5.0	5.0 U	UG/KG
CHLOROETHANE	5.0	5.0 U	UG/KG
CHLOROFORM	5.0	5.0 U	UG/KG
CHLOROMETHANE	5.0	5.0 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/KG
1,1-DICHLOROETHANE	5.0	5.0 U	UG/KG
1,2-DICHLOROETHANE	5.0	5.0 U	UG/KG
1,1-DICHLOROETHENE	5.0	5.0 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/KG
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/KG
ETHYLBENZENE	5.0	5.0 U	UG/KG
2-HEXANONE	10	10 U	UG/KG
ETHYLENE CHLORIDE	5.0	5.0 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/KG
STYRENE	5.0	5.0 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/KG
TETRACHLOROETHENE	5.0	5.0 U	UG/KG
TOLUENE	5.0	5.0 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/KG
TRICHLOROETHENE	5.0	5.0 U	UG/KG
VINYL CHLORIDE	5.0	5.0 U	UG/KG
O-XYLENE	5.0	5.0 U	UG/KG
M+P-XYLENE	5.0	5.0 U	UG/KG

SURROGATE RECOVERIESQC LIMITS

4-BROMOFLUOROBENZENE	(74 - 121 %)	104	%
TOLUENE-D8	(81 - 117 %)	96	%
DIBROMOFLUOROMETHANE	(80 - 120 %)	108	%

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8270 STARS LIST SEMIVOLATIL

Reported: 08/18/97

Project Reference:

Client Sample ID : METHOD BLANK

Date Sampled :	Order #: 161318	Sample Matrix: SOIL/SEDIMENT
Date Received:	Submission #:	Percent Solid: 100

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 08/07/97			
DATE ANALYZED : 08/07/97			
ANALYTICAL DILUTION: 1.0			Dry Weight
ACENAPHTHENE	330	330 U	UG/KG
ANTHRACENE	330	330 U	UG/KG
BENZO(A)ANTHRACENE	330	330 U	UG/KG
BENZO(A)PYRENE	330	330 U	UG/KG
BENZO(B)FLUORANTHENE	330	330 U	UG/KG
BENZO(G,H,I)PERYLENE	330	330 U	UG/KG
BENZO(K)FLUORANTHENE	330	330 U	UG/KG
INDENO(1,2,3-CD)PYRENE	330	330 U	UG/KG
CHRYSENE	330	330 U	UG/KG
DIBENZO(A,H)ANTHRACENE	330	330 U	UG/KG
FLUORANTHENE	330	330 U	UG/KG
FLUORENE	330	330 U	UG/KG
NAPHTHALENE	200	200 U	UG/KG
PHENANTHRENE	330	330 U	UG/KG
PYRENE	330	330 U	UG/KG

SURROGATE RECOVERIES**QC LIMITS**

TERPHENYL-d14	(18 - 137 %)	80	%
NITROBENZENE-d5	(23 - 120 %)	74	%
2-FLUOROBIPHENYL	(30 - 115 %)	77	%

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8080 PCBS

Reported: 08/18/97

Project Reference:

Client Sample ID : METHOD BLANK

Date Sampled :	Order #: 161273	Sample Matrix: SOIL/SEDIMENT
Date Received:	Submission #:	Percent Solid: 100

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 08/07/97			
DATE ANALYZED : 08/07/97			
ANALYTICAL DILUTION: 1.0			Dry Weight
PCB 1016	400	400 U	UG/KG
PCB 1221	400	400 U	UG/KG
PCB 1232	400	400 U	UG/KG
PCB 1242	400	400 U	UG/KG
PCB 1248	400	400 U	UG/KG
PCB 1254	400	400 U	UG/KG
PCB 1260	400	400 U	UG/KG

SURROGATE RECOVERIES**QC LIMITS**

DECACHLOROBIPHENYL	(30 - 150 %)	73	%
TETRACHLORO-META-XYLENE	(30 - 150 %)	75	%

COLUMBIA ANALYTICAL SERVICES, INC.

Unit 230, P.O. Box 50855, Rochester,
(716) 288-5380 • FAX (716) 288-8475

DATE 2.6.21

PAGE

of

OF

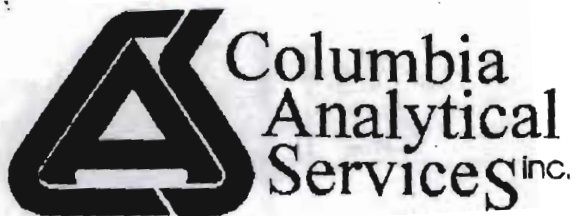
PROJECT NAME <u>GE - URBAN ST</u>				ANALYSIS REQUESTED			
PROJECT MANAGER/CONTACT <u>P. Smith/Mark Colmerauer</u>							
COMPANY/ADDRESS <u>Deemest Moore</u>							
TEL <u>061 897-1715</u> FAX <u>(716) 897-1720</u>							
SAMPLER'S SIGNATURE <u>[Signature]</u>							
SAMPLE I.D.	DATE	TIME	LAB I.D.	SAMPLE MATRIX	# OF CONTAINERS	GC/MS VOAS	GC/MS SVOAS
SS-146 (E14)	8.6.97	8:40	161144	soil	2	GC/MS VOAS 8260 □ 624	GC/MS SVOAS 8270A □ 625
SS-147 (E15)	8.6.97	11:15	161145	soil	1		
SS-150 (H5)	8.6.97	2:30	161146	soil	2		
SS-151 (H6)	8.6.97	3:00	161147	soil	2		
SS-152 (H7)	8.6.97	2:45	161149	soil	2		
SS-153 (H8)	8.6.97	4:30	161150	soil	2		
SS-154 (H9)	8.6.97	3:08	161151	soil	2		

TURNAROUND REQUIREMENTS	REPORT REQUIREMENTS	INVOICE INFORMATION:	SAMPLE RECEIPT:
<u>48</u> hr. — 48 hr. — 5 day Standard (10-15 working days) Provide Verbal Preliminary Results Provide FAX Preliminary Results Requested Report Date _____	1. Routine Report 2. Routine Rep. w/CASE Narrative 3. EPA Level III Validatable Package 4. N.J. Reduced Deliverables Level IV 5. NY ASP/CLP Deliverables 6. Site specific QC.	P.O. #: _____ Bill To: _____ Temperature: <u>14.2°C</u> Submission No: <u>8-110</u>	Shipping Via: <u>CAS</u> Shipping #: _____ Temperature: <u>14.2°C</u> Submission No: <u>8-110</u>

RECEIVED BY:	RECEIVED BY:
<u>Mark Colmerauer</u> Signature <u>P. Smith</u> Printed Name <u>8.6.97 5:30pm</u> Date/Time	<u>Tom Hartnigh</u> Signature <u>Tom Hartnigh</u> Printed Name <u>8.6.97 10:30</u> Date/Time

RELINQUISHED BY:	RELINQUISHED BY:
<u>Mark Colmerauer</u> Signature <u>P. Smith</u> Printed Name <u>8.6.97 5:30pm</u> Date/Time	<u>Tom Hartnigh</u> Signature <u>Tom Hartnigh</u> Printed Name <u>8.6.97 10:30</u> Date/Time

SPECIAL INSTRUCTIONS/COMMENTS:
METALS <u>Special Bulletin due 8/8</u> ORGANICS: ☐ TCL ☐ PPL ☐ AE Only ☐ BN Only ☐ Special List



A FULL SERVICE ENVIRONMENTAL LABORATORY

August 20, 1997

RECEIVED
Dames & Moore

AUG 22 1997

Mr. Mark Colmerauer
Dames & Moore
3065 Southwestern Blvd.
Orchard Park, NY 14127

File# _____

PROJECT:GE URBAN ST.
Submission #:9708000082

Dear Mr. Colmerauer

Enclosed are the analytical results of the analyses requested. All data has been reviewed prior to report submission. Should you have any questions please contact me at (716) 288-5380.

Thank you for letting us provide this service.

Sincerely,

COLUMBIA ANALYTICAL SERVICES

Mark Wilson
Client Service Manager

Enc.

This package has been reviewed by Columbia Analytical Services' QA Department/Laboratory Director prior to report submittal.

1 Mustard St. • Suite 250 • Rochester, NY 14609 • Tele:(716)288-5380 • Fax:(716)288-8475
65 Ramapo Valley Rd. • Suite 16 • Mahwah, NJ 07430 • Tele:(201)512-3292 • Fax:(201)512-3362
12699 Roll Rd. • Akron, NY 14001 • Tele:(716)542-1264 • Fax:(716)542-3353



Effective 04/01/96

CAS LIST OF QUALIFIERS

(The basis of this proposal are the EPA-CLP Qualifiers)

- U - Indicates compound was analyzed for but was not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.
- J - Indicates an estimated value. For further explanation see case narrative / cover letter
- B - This flag is used when the analyte is found in the associated blank as well as in the sample.
- E - This flag identifies compounds whose concentrations exceed the calibration range.
- A - This flag indicates that a TIC is a suspected aldol-condensation product.
- N - Spiked sample recovery not within control limits.
(Flag the entire batch - Inorganic analysis only)
- * - Duplicate analysis not within control limits.
(Flag the entire batch - Inorganic analysis only)
 - Also used to qualify Organics QC data outside limits.
- D - Spike diluted out.
- S - Reported value determined by Method of Standard Additions. (MSA)
- X - As specified in the case narrative.

CAS Lab ID # for State Certifications

NY ID # in Rochester: 10145
CT ID # in Rochester: PH0556
MA ID # in Rochester: M-NY032

NJ ID # in Rochester: 73004
RI ID # in Rochester: 158

COLUMBIA ANALYTICAL SERVICES**VOLATILE ORGANICS**
METHOD 8260 TCLP
Reported: 08/20/97**Dames & Moore**
Project Reference: GE URBAN ST.
Client Sample ID : SS-137(E7)**Date Sampled : 08/04/97** **Order #: 160719** **Sample Matrix: SOIL/SEDIMENT**
Date Received: 08/05/97 **Submission #: 9708000082** **Analytical Run 19393**

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 08/11/97			
ANALYTICAL DILUTION: 10.0			
BENZENE	5.0	50 U	UG/L
2-BUTANONE (MEK)	10	100 U	UG/L
CARBON TETRACHLORIDE	5.0	50 U	UG/L
CHLOROBENZENE	5.0	50 U	UG/L
CHLOROFORM	5.0	50 U	UG/L
1,2-DICHLOROETHANE	5.0	50 U	UG/L
1,1-DICHLOROETHENE	5.0	50 U	UG/L
TETRACHLOROETHENE	5.0	50 U	UG/L
TRICHLOROETHENE	5.0	50 U	UG/L
VINYL CHLORIDE	5.0	50 U	UG/L

SURROGATE RECOVERIES**QC LIMITS**

BROMOFLUOROBENZENE	(86 - 115 %)	97	%
TOLUENE-D8	(88 - 110 %)	99	%
DIBROMOFLUOROMETHANE	(86 - 118 %)	101	%

Data Reported following TCLP Toxicity Characteristics Leaching Procedure.
Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS****METHOD 8080 PCBS****Reported: 08/20/97****Dames & Moore****Project Reference: GE URBAN ST.****Client Sample ID : SS-137(E7)**

Date Sampled : 08/04/97 **Order #: 160720** **Sample Matrix: SOIL/SEDIMENT**
Date Received: 08/05/97 **Submission #: 9708000082** **Percent Solid: 81.7**

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 08/06/97			
DATE ANALYZED : 08/06/97			
ANALYTICAL DILUTION: 1.0			Dry Weight
PCB 1016	400	490 U	UG/KG
PCB 1221	400	490 U	UG/KG
PCB 1232	400	490 U	UG/KG
PCB 1242	400	490 U	UG/KG
PCB 1248	400	490 U	UG/KG
PCB 1254	400	490 U	UG/KG
PCB 1260	400	490 U	UG/KG

<u>SURROGATE RECOVERIES</u>	<u>QC LIMITS</u>		
DECACHLOROBIPHENYL	(30 - 150 %)	66	%
TETRACHLORO-META-XYLENE	(30 - 150 %)	100	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS

METHOD 8080 PCBS

Reported: 08/20/97

Dames & Moore

Project Reference: GE URBAN ST.

Client Sample ID : SS-140(E8)

Date Sampled : 08/05/97

Order #: 160721

Sample Matrix: SOIL/SEDIMENT

Date Received: 08/05/97

Submission #: 9708000082

Percent Solid: 82.3

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 08/06/97			
DATE ANALYZED : 08/06/97			
ANALYTICAL DILUTION: 100.0			Dry Weight
PCB 1016	400	49000 U	UG/KG
PCB 1221	400	49000 U	UG/KG
PCB 1232	400	49000 U	UG/KG
PCB 1242	400	49000 U	UG/KG
PCB 1248	400	49000 U	UG/KG
PCB 1254	400	49000 U	UG/KG
PCB 1260	400	150000	UG/KG

SURROGATE RECOVERIES

QC LIMITS

DECACHLOROBIPHENYL
TETRACHLORO-META-XYLENE

(30 - 150 %)
(30 - 150 %)

D %
D %

COLUMBIA ANALYTICAL SERVICES**VOLATILE ORGANICS**
METHOD 8260 TCLP
Reported: 08/20/97**Project Reference:**
Client Sample ID : METHOD BLANK**Date Sampled :** **Order #:** 163303 **Sample Matrix:** SOIL/SEDIMENT
Date Received: **Submission #:** **Analytical Run** 19393

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 08/11/97			
ANALYTICAL DILUTION: 1.0			
BENZENE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	5.0 U	UG/L
VINYL CHLORIDE	5.0	5.0 U	UG/L

SURROGATE RECOVERIES**QC LIMITS**

BROMOFLUOROBENZENE	(86 - 115 %)	95	%
TOLUENE-D8	(88 - 110 %)	101	%
DIBROMOFLUOROMETHANE	(86 - 118 %)	95	%

Data Reported following TCLP Toxicity Characteristics Leaching Procedure.
Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8080 PCBS

Reported: 08/20/97

Project Reference:

Client Sample ID : METHOD BLANK

Date Sampled :	Order #: 160788	Sample Matrix: SOIL/SEDIMENT
Date Received:	Submission #:	Percent Solid: 100

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 08/06/97			
DATE ANALYZED : 08/06/97			
ANALYTICAL DILUTION: 1.0			Dry Weight
PCB 1016	400	400 U	UG/KG
PCB 1221	400	400 U	UG/KG
PCB 1232	400	400 U	UG/KG
PCB 1242	400	400 U	UG/KG
PCB 1248	400	400 U	UG/KG
PCB 1254	400	400 U	UG/KG
PCB 1260	400	400 U	UG/KG

<u>SURROGATE RECOVERIES</u>	<u>QC LIMITS</u>		
DECACHLOROBIPHENYL	(30 - 150 %)	92	%
TETRACHLORO-META-XYLENE	(30 - 150 %)	104	%

ANALYSIS REQUESTED

DATE TIME	DATE TIME	1982

Date/Time	Firm
-----------	------

Date/Time

Requested Report Date

Deliverables Level IV

ure: 4,000

ORGANICS: ☐ TCL ☐ PPL ☐ AE Only ☐ BN Only ☐ Special List

Date/Time

Date/Time	Firm
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610-521-3083
610-521-4589

117C ME



A FULL SERVICE ENVIRONMENTAL LABORATORY

August 27, 1997

RECEIVED
Dames & Moore

SEP 2 1997

File# _____

Mr. Mark Colmerauer
Dames & Moore
3065 Southwestern Blvd.
Orchard Park, NY 14127

PROJECT:GE URBAN STREET
Submission #:9708000154

Dear Mr. Colmerauer:

Enclosed are the analytical results of the analyses requested. The analytical data was provided to you on 08/26/97 per a Facsimile transmittal. All data has been reviewed prior to report submission.

Should you have any questions please contact me at (716) 288-5380.

Thank you for letting us provide this service.

Sincerely,

COLUMBIA ANALYTICAL SERVICES

Mark Wilson
Client Service Manager

Enc.

This package has been reviewed by Columbia Analytical Services' QA Department/Laboratory Director prior to report submittal.



Effective 04/01/96

CAS LIST OF QUALIFIERS

(The basis of this proposal are the EPA-CLP Qualifiers)

- U - Indicates compound was analyzed for but was not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.
- J - Indicates an estimated value. For further explanation see case narrative / cover letter.
- B - This flag is used when the analyte is found in the associated blank as well as in the sample.
- E - This flag identifies compounds whose concentrations exceed the calibration range.
- A - This flag indicates that a TIC is a suspected aldol-condensation product.
- N - Spiked sample recovery not within control limits.
(Flag the entire batch - Inorganic analysis only)
- * - Duplicate analysis not within control limits.
(Flag the entire batch - Inorganic analysis only)
 - Also used to qualify Organics QC data outside limits.
- D - Spike diluted out.
- S - Reported value determined by Method of Standard Additions. (MSA)
- X - As specified in the case narrative.

CAS Lab ID # for State Certifications

NY ID # in Rochester: 10145
CT ID # in Rochester: PH0556
MA ID # in Rochester: M-NY032

NJ ID # in Rochester: 73004
RI ID # in Rochester: 158

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS

METHOD 8260 TCL

Reported: 08/27/97

Dames & Moore

Project Reference: GE URBAN STREET

Client Sample ID : SS-165

Date Sampled : 08/09/97

Order #: 161849

Sample Matrix: SOIL/SEDIMENT

Date Received: 08/11/97

Submission #: 9708000154

Percent Solid: 83.2

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 08/13/97			
ANALYTICAL DILUTION: 1.0			Dry Weight
ACETONE	20	24 U	UG/KG
BENZENE	5.0	6.0 U	UG/KG
BROMODICHLOROMETHANE	5.0	6.0 U	UG/KG
BROMOFORM	5.0	6.0 U	UG/KG
BROMOMETHANE	5.0	6.0 U	UG/KG
2-BUTANONE (MEK)	10	12 U	UG/KG
CARBON DISULFIDE	10	12 U	UG/KG
CARBON TETRACHLORIDE	5.0	6.0 U	UG/KG
CHLOROBENZENE	5.0	6.0 U	UG/KG
CHLOROETHANE	5.0	6.0 U	UG/KG
CHLOROFORM	5.0	6.0 U	UG/KG
CHLOROMETHANE	5.0	6.0 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	6.0 U	UG/KG
1,1-DICHLOROETHANE	5.0	6.0 U	UG/KG
1,2-DICHLOROETHANE	5.0	6.0 U	UG/KG
1,1-DICHLOROETHENE	5.0	6.0 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	6.0 U	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	6.0 U	UG/KG
1,2-DICHLOROPROPANE	5.0	6.0 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	6.0 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	6.0 U	UG/KG
ETHYLBENZENE	5.0	6.0 U	UG/KG
2-HEXANONE	10	12 U	UG/KG
METHYLENE CHLORIDE	5.0	6.0 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	12 U	UG/KG
STYRENE	5.0	6.0 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	6.0 U	UG/KG
TETRACHLOROETHENE	5.0	6.0 U	UG/KG
TOLUENE	5.0	6.0 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	6.0 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	6.0 U	UG/KG
TRICHLOROETHENE	5.0	6.0 U	UG/KG
VINYL CHLORIDE	5.0	6.0 U	UG/KG
O-XYLENE	5.0	6.0 U	UG/KG
M+P-XYLENE	5.0	6.0 U	UG/KG

SURROGATE RECOVERIESQC LIMITS

4-BROMOFLUOROBENZENE
TOLUENE-D8
DIBROMOFLUOROMETHANE

(74 - 121 %)
(81 - 117 %)
(80 - 120 %)

88 %
97 %
104 %

COLUMBIA ANALYTICAL SERVICES

Reported: 08/27/97

Dames & Moore

Project Reference:GE URBAN STREET

Client Sample ID :SUMP SLUDGE

Date Sampled :08/09/97

Order #:161850

Sample Matrix:SOIL/SEDIMENT

Date Received:08/11/97

Submission #:9708000154

ANALYTE	PQL	RESULT	UNITS	DATE ANALYZED	ANALYTICAL DILUTION
CYANIDE REACTIVITY	0.333	0.333 U	MG/KG	08/15/97	1.0
FLASH POINT		>100	°C	08/12/97	1.0
PH		7.24		08/12/97	NA
SULFIDE REACTIVITY	10.0	10.0 U	MG/KG	08/15/97	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 08/27/97

Dames & Moore

Project Reference:GE URBAN STREET

Client Sample ID :SUMP SLUDGE

Date Sampled :08/09/97

Order #:161850

Sample Matrix:SOIL/SEDIMENT

Date Received:08/11/97

Submission #:9708000154

ANALYTE	PQL	RESULT	UNITS	DATE ANALYZED	ANALYTICAL DILUTION
ARSENIC	0.500	0.500 U	MG/L	08/15/97	1.0
BARIUM	1.00	1.00 U	MG/L	08/15/97	1.0
CADMIUM	0.100	0.100 U	MG/L	08/15/97	1.0
CHROMIUM	0.100	0.100 U	MG/L	08/15/97	1.0
LEAD	0.100	0.100 U	MG/L	08/15/97	1.0
MERCURY	0.000300	0.00300 U	MG/L	08/18/97	10.0
SELENIUM	0.500	0.500 U	MG/L	08/15/97	1.0
SILVER	0.100	0.100 U	MG/L	08/15/97	1.0

Data reported following TCLP Toxicity Characteristics Leaching Procedure. Federal Register, Part 261, Vol. 55, No. 126, June 29, 1990.

METALS-1

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8270 TCLP

Reported: 08/27/97

Dames & Moore

Project Reference: GE URBAN STREET

Client Sample ID : SUMP SLUDGE

Date Sampled : 08/09/97

Order #: 161850

Sample Matrix: SOIL/SEDIMENT

Date Received: 08/11/97

Submission #: 9708000154

Analytical Run 19471

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 08/18/97			
DATE ANALYZED : 08/21/97			
ANALYTICAL DILUTION: 10.0			
1,4-DICHLOROBENZENE	5.0	50 U	UG/L
2,4-DINITROTOLUENE	5.0	50 U	UG/L
HEXACHLOROBENZENE	5.0	50 U	UG/L
HEXACHLOROBUTADIENE	5.0	50 U	UG/L
HEXACHLOROETHANE	5.0	50 U	UG/L
1-METHYLPHENOL	10	140	UG/L
3+4-METHYLPHENOL	10	140	UG/L
NITROBENZENE	5.0	50 U	UG/L
PENTACHLOROPHENOL	20	200 U	UG/L
PYRIDINE	10	100 U	UG/L
2,4,6-TRICHLOROPHENOL	10	100 U	UG/L
2,4,5-TRICHLOROPHENOL	10	100 U	UG/L

SURROGATE RECOVERIESQC LIMITS

TERPHENYL-D14	(33 - 141 %)	67	%
NITROBENZENE-D5	(35 - 114 %)	69	%
PHENOL-D6	(10 - 94 %)	30	%
2-FLUOROBIPHENYL	(43 - 116 %)	72	%
2-FLUOROPHENOL	(21 - 110 %)	41	%
2,4,6-TRIBROMOPHENOL	(10 - 123 %)	84	%

Data Reported following TCLP Toxicity Characteristics Leaching Procedure.
Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8080 TCLP

Reported: 08/27/97

Dames & Moore

Project Reference: GE URBAN STREET

Client Sample ID : SUMP SLUDGE

Date Sampled : 08/09/97 Order #: 161850 Sample Matrix: SOIL/SEDIMENT

Date Received: 08/11/97 Submission #: 9708000154 Analytical Run 19544

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 08/15/97			
DATE ANALYZED : 08/25/97			
ANALYTICAL DILUTION: 10.0			
GAMMA-BHC (LINDANE)	0.50	5.0 U	UG/L
CHLORDANE	2.0	20 U	UG/L
ENDRIN	0.50	5.0 U	UG/L
HEPTACHLOR	0.50	5.0 U	UG/L
HEPTACHLOR EPOXIDE	0.50	5.0 U	UG/L
METHOXYCHLOR	2.0	20 U	UG/L
TOXAPHENE	10	100 U	UG/L

SURROGATE RECOVERIESQC LIMITS

DIBUTYLCHLORENDATE (DBC)	(24 - 154 %)	101	%
TETRACHLORO-META-XYLENE, TCMX	(30 - 150 %)	78	%

Data Reported following TCLP Toxicity Characteristics Leaching Procedure.
Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS

METHOD 8150 TCLP

Reported: 08/27/97

Dames & Moore

Project Reference: GE URBAN STREET

Client Sample ID : SUMP SLUDGE

Date Sampled : 08/09/97 Order #: 161850 Sample Matrix: SOIL/SEDIMENT
Date Received: 08/11/97 Submission #: 9708000154 Analytical Run 19560

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 08/19/97			
DATE ANALYZED : 08/26/97			
ANALYTICAL DILUTION: 10.0			
2,4-D	0.50	5.0 U	UG/L
2,4,5-TP (SILVEX)	0.50	5.0 U	UG/L
<u>SURROGATE RECOVERIES</u>	<u>QC LIMITS</u>		
.,4-DB	(18 - 152 %)	56	%

Data Reported following TCLP Toxicity Characteristics Leaching Procedure.
Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260 TCLP
Reported: 08/27/97

Dames & Moore
Project Reference: GE URBAN STREET
Client Sample ID : SUMP SLUDGE

Date Sampled : 08/09/97 Order #: 161850 Sample Matrix: SOIL/SEDIMENT
Date Received: 08/11/97 Submission #: 9708000154 Analytical Run 19327

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 08/15/97			
ANALYTICAL DILUTION: 10.0			
BENZENE	5.0	50 U	UG/L
2-BUTANONE (MEK)	10	100	UG/L
CARBON TETRACHLORIDE	5.0	50 U	UG/L
CHLOROBENZENE	5.0	50 U	UG/L
CHLOROFORM	5.0	50 U	UG/L
1,2-DICHLOROETHANE	5.0	50 U	UG/L
1,1-DICHLOROETHENE	5.0	50 U	UG/L
TETRACHLOROETHENE	5.0	50 U	UG/L
TRICHLOROETHENE	5.0	59	UG/L
VINYL CHLORIDE	5.0	50 U	UG/L

<u>SURROGATE RECOVERIES</u>	<u>QC LIMITS</u>		
BROMOFLUOROBENZENE	(86 - 115 %)	93	%
TOLUENE-D8	(88 - 110 %)	95	%
DIBROMOFLUOROMETHANE	(86 - 118 %)	98	%

Data Reported following TCLP Toxicity Characteristics Leaching Procedure.
Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8080 PCBs

Reported: 08/27/97

Dames & Moore

Project Reference: GE URBAN STREET

Client Sample ID : CON-W3

Date Sampled : 08/09/97

Order #: 161851

Sample Matrix: WIPE

Date Received: 08/11/97

Submission #: 9708000154

Analytical Run 19267

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 08/12/97			
DATE ANALYZED : 08/16/97			
ANALYTICAL DILUTION: 10.0			
PCB 1016	1.0	10 U	UG/WI
PCB 1221	1.0	10 U	UG/WI
PCB 1232	1.0	10 U	UG/WI
PCB 1242	1.0	10 U	UG/WI
PCB 1248	1.0	10 U	UG/WI
PCB 1254	1.0	10 U	UG/WI
PCB 1260	1.0	74	UG/WI

SURROGATE RECOVERIESQC LIMITS

DECACHLOROBIPHENYL
TETRACHLORO-META-XYLENE

(30 - 150 %)
(30 - 150 %)

126
91

%
%

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS****METHOD 8080 PCBS****Reported: 08/27/97****Dames & Moore****Project Reference: GE URBAN STREET****Client Sample ID : SUBFLOOR-W1C****Date Sampled : 08/09/97****Order #: 161852****Sample Matrix: WIPE****Date Received: 08/11/97****Submission #: 9708000154****Analytical Run 19267**

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 08/12/97			
DATE ANALYZED : 08/16/97			
ANALYTICAL DILUTION: 100.0			
PCB 1016	1.0	100 U	UG/WI
PCB 1221	1.0	100 U	UG/WI
PCB 1232	1.0	100 U	UG/WI
PCB 1242	1.0	100 U	UG/WI
PCB 1248	1.0	100 U	UG/WI
PCB 1254	1.0	100 U	UG/WI
PCB 1260	1.0	2000	UG/WI

SURROGATE RECOVERIES**QC LIMITS**

DECACHLOROBIPHENYL
TETRACHLORO-META-XYLENE

(30 - 150 %)
(30 - 150 %)

D %
D %

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8080 PCBS

Reported: 08/27/97

Dames & Moore

Project Reference: GE URBAN STREET

Client Sample ID : SUBFLOOR-W2C

Date Sampled : 08/09/97

Order #: 161853

Sample Matrix: WIPE

Date Received: 08/11/97

Submission #: 9708000154

Analytical Run 19267

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 08/12/97			
DATE ANALYZED : 08/14/97			
ANALYTICAL DILUTION: 1.0			
PCB 1016	1.0	1.0 U	UG/WI
PCB 1221	1.0	1.0 U	UG/WI
PCB 1232	1.0	1.0 U	UG/WI
PCB 1242	1.0	1.0 U	UG/WI
PCB 1248	1.0	1.0 U	UG/WI
PCB 1254	1.0	1.0 U	UG/WI
PCB 1260	1.0	4.7	UG/WI

SURROGATE RECOVERIESQC LIMITSDECACHLOROBIPHENYL
TETRACHLORO-META-XYLENE(30 - 150 %)
(30 - 150 %)106
106%
%

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8080 PCBS

Reported: 08/27/97

Dames & Moore

Project Reference: GE URBAN STREET

Client Sample ID : E. WALLA-W1

Date Sampled : 08/09/97

Order #: 161854

Sample Matrix: WIPE

Date Received: 08/11/97

Submission #: 9708000154

Analytical Run 19267

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 08/12/97			
DATE ANALYZED : 08/14/97			
ANALYTICAL DILUTION: 1.0			
PCB 1016	1.0	1.0 U	UG/WI
PCB 1221	1.0	1.0 U	UG/WI
PCB 1232	1.0	1.0 U	UG/WI
PCB 1242	1.0	1.0 U	UG/WI
PCB 1248	1.0	1.0 U	UG/WI
PCB 1254	1.0	1.0 U	UG/WI
PCB 1260	1.0	1.2	UG/WI

SURROGATE RECOVERIESQC LIMITS

DECACHLOROBIPHENYL

(30 - 150 %)

101

%

TETRACHLORO-META-XYLENE

(30 - 150 %)

105

%

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8080 PCBS

Reported: 08/27/97

Dames & Moore

Project Reference: GE URBAN STREET

Client Sample ID : E. WALLA-W2

Date Sampled : 08/09/97

Order #: 161855

Sample Matrix: WIPE

Date Received: 08/11/97

Submission #: 9708000154

Analytical Run 19267

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 08/12/97			
DATE ANALYZED : 08/14/97			
ANALYTICAL DILUTION: 1.0			
PCB 1016	1.0	1.0 U	UG/WI
PCB 1221	1.0	1.0 U	UG/WI
PCB 1232	1.0	1.0 U	UG/WI
PCB 1242	1.0	1.0 U	UG/WI
PCB 1248	1.0	1.0 U	UG/WI
PCB 1254	1.0	1.0 U	UG/WI
PCB 1260	1.0	1.2	UG/WI

SURROGATE RECOVERIESQC LIMITSDECACHLOROBIPHENYL
TETRACHLORO-META-XYLENE(30 - 150 %)
(30 - 150 %)101 %
103 %

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS

METHOD 8080 PCBS

Reported: 08/27/97

Dames & Moore

Project Reference: GE URBAN STREET

Client Sample ID : E. WALLA-W3

Date Sampled : 08/09/97

Order #: 161856

Sample Matrix: WIPE

Date Received: 08/11/97

Submission #: 9708000154

Analytical Run 19267

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 08/12/97			
DATE ANALYZED : 08/14/97			
ANALYTICAL DILUTION: 1.0			
PCB 1016	1.0	1.0 U	UG/WI
PCB 1221	1.0	1.0 U	UG/WI
PCB 1232	1.0	1.0 U	UG/WI
PCB 1242	1.0	1.0 U	UG/WI
PCB 1248	1.0	1.0 U	UG/WI
PCB 1254	1.0	1.0 U	UG/WI
PCB 1260	1.0	2.6	UG/WI

SURROGATE RECOVERIESQC LIMITS

DECACHLOROBIPHENYL

(30 - 150 %)

102

%

TETRACHLORO-META-XYLENE

(30 - 150 %)

103

%

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8080 PCBs

Reported: 08/27/97

Dames & Moore

Project Reference: GE URBAN STREET

Client Sample ID : E. WALLB-W1

Date Sampled : 08/09/97

Order #: 161857

Sample Matrix: WIPE

Date Received: 08/11/97

Submission #: 9708000154

Analytical Run 19267

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 08/12/97			
DATE ANALYZED : 08/14/97			
ANALYTICAL DILUTION: 1.0			
PCB 1016	1.0	1.0 U	UG/WI
PCB 1221	1.0	1.0 U	UG/WI
PCB 1232	1.0	1.0 U	UG/WI
PCB 1242	1.0	1.0 U	UG/WI
PCB 1248	1.0	1.0 U	UG/WI
PCB 1254	1.0	1.0 U	UG/WI
PCB 1260	1.0	1.2	UG/WI

SURROGATE RECOVERIESQC LIMITS

DECACHLOROBIPHENYL

(30 - 150 %)

99

%

TETRACHLORO-META-XYLENE

(30 - 150 %)

104

%

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8080 PCBS

Reported: 08/27/97

Dames & Moore

Project Reference: GE URBAN STREET

Client Sample ID : E. WALLB-W2

Date Sampled : 08/09/97

Order #: 161858

Sample Matrix: WIPE

Date Received: 08/11/97

Submission #: 9708000154

Analytical Run 19267

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 08/12/97			
DATE ANALYZED : 08/14/97			
ANALYTICAL DILUTION: 1.0			
PCB 1016	1.0	1.0 U	UG/WI
PCB 1221	1.0	1.0 U	UG/WI
PCB 1232	1.0	1.0 U	UG/WI
PCB 1242	1.0	1.0 U	UG/WI
PCB 1248	1.0	1.0 U	UG/WI
PCB 1254	1.0	1.0 U	UG/WI
PCB 1260	1.0	2.4	UG/WI

SURROGATE RECOVERIESQC LIMITSDECACHLOROBIPHENYL
TETRACHLORO-META-XYLENE(30 - 150 %)
(30 - 150 %)87 %
86 %

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8080 PCBS

Reported: 08/27/97

Dames & Moore

Project Reference: GE URBAN STREET

Client Sample ID : E. WALLC-W3

Date Sampled : 08/09/97 Order #: 161859 Sample Matrix: WIPE
Date Received: 08/11/97 Submission #: 9708000154 Analytical Run 19267

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED	: 08/12/97		
DATE ANALYZED	: 08/14/97		
ANALYTICAL DILUTION:	1.0		
PCB 1016	1.0	1.0 U	UG/WI
PCB 1221	1.0	1.0 U	UG/WI
PCB 1232	1.0	1.0 U	UG/WI
PCB 1242	1.0	1.0 U	UG/WI
PCB 1248	1.0	1.0 U	UG/WI
PCB 1254	1.0	1.0 U	UG/WI
PCB 1260	1.0	6.2	UG/WI

SURROGATE RECOVERIESQC LIMITS

DECACHLOROBIPHENYL	(30 - 150 %)	84	%
TETRACHLORO-META-XYLENE	(30 - 150 %)	84	%

COLUMBIA ANALYTICAL SERVICES

Reported: 08/27/97

Dames & Moore
Project Reference:GE URBAN STREET
Client Sample ID :SUMP WATER

Date Sampled :08/11/97 Order #:161860 Sample Matrix:WATER
Date Received:08/11/97 Submission #:9708000154

ANALYTE	PQL	RESULT	UNITS	DATE ANALYZED	ANALYTICAL DILUTION
CYANIDE REACTIVITY	0.0500	0.0500 U	MG/L	08/15/97	1.0
FLASH POINT		55.9	°C	08/15/97	1.0
PH		7.07		08/12/97	NA
SULFIDE REACTIVITY	1.00	1.00 U	MG/L	08/15/97	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 08/27/97

Dames & Moore
Project Reference:GE URBAN STREET
Client Sample ID :SUMP WATER

Date Sampled :08/11/97
Date Received:08/11/97

Order #:161860
Submission #:9708000154

Sample Matrix:WATER

ANALYTE	PQL	RESULT	UNITS	DATE ANALYZED	ANALYTICAL DILUTION
ARSENIC	0.500	0.500 U	MG/L	08/15/97	1.0
BARIUM	1.00	1.16	MG/L	08/15/97	1.0
CADMIUM	0.100	0.100 U	MG/L	08/15/97	1.0
CHROMIUM	0.100	0.100 U	MG/L	08/15/97	1.0
LEAD	0.100	0.100 U	MG/L	08/15/97	1.0
MERCURY	0.000300	0.00300 U	MG/L	08/18/97	10.0
SELENIUM	0.500	0.500 U	MG/L	08/15/97	1.0
SILVER	0.100	0.100 U	MG/L	08/15/97	1.0

Data reported following TCLP Toxicity Characteristics Leaching Procedure. Federal Register, Part 261, Vol. 55, No. 126, June 29, 1990.

METALS-2

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260 TCLP
Reported: 08/27/97

Dames & Moore

Project Reference: GE URBAN STREET

Client Sample ID : SUMP WATER

Date Sampled : 08/11/97 Order #: 161860 Sample Matrix: WATER
Date Received: 08/11/97 Submission #: 9708000154 Analytical Run 19327

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 08/14/97			
ANALYTICAL DILUTION: 10.0			
BENZENE	5.0	50 U	UG/L
2-BUTANONE (MEK)	10	100	UG/L
CARBON TETRACHLORIDE	5.0	50 U	UG/L
CHLOROBENZENE	5.0	50 U	UG/L
CHLOROFORM	5.0	50 U	UG/L
1,2-DICHLOROETHANE	5.0	820	UG/L
1,1-DICHLOROETHENE	5.0	50 U	UG/L
TETRACHLOROETHENE	5.0	50 U	UG/L
TRICHLOROETHENE	5.0	360	UG/L
VINYL CHLORIDE	5.0	50 U	UG/L

SURROGATE RECOVERIESQC LIMITS

BROMOFLUOROBENZENE	(86 - 115 %)	92	%
TOLUENE-D8	(88 - 110 %)	96	%
DIBROMOFLUOROMETHANE	(86 - 118 %)	102	%

Data Reported following TCLP Toxicity Characteristics Leaching Procedure.
Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8270 TCLP

Reported: 08/27/97

Dames & Moore

Project Reference: GE URBAN STREET

Client Sample ID : SUMP WATER

Date Sampled : 08/11/97

Order #: 161860

Sample Matrix: WATER

Date Received: 08/11/97

Submission #: 9708000154

Analytical Run 19471

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 08/18/97			
DATE ANALYZED : 08/21/97			
ANALYTICAL DILUTION: 10.0			
1,4-DICHLOROBENZENE	5.0	60	UG/L
2,4-DINITROTOLUENE	5.0	50 U	UG/L
HEXACHLOROBENZENE	5.0	50 U	UG/L
HEXACHLOROBUTADIENE	5.0	50 U	UG/L
HEXACHLOROETHANE	5.0	50 U	UG/L
1-METHYLPHENOL	10	650	UG/L
3+4-METHYLPHENOL	10	480	UG/L
NITROBENZENE	5.0	50 U	UG/L
PENTACHLOROPHENOL	20	200 U	UG/L
PYRIDINE	10	100 U	UG/L
2,4,6-TRICHLOROPHENOL	10	100 U	UG/L
2,4,5-TRICHLOROPHENOL	10	100 U	UG/L

SURROGATE RECOVERIESQC LIMITS

TERPHENYL-D14	(33 - 141 %)	68	%
NITROBENZENE-D5	(35 - 114 %)	62	%
PHENOL-D6	(10 - 94 %)	30	%
2-FLUOROBIPHENYL	(43 - 116 %)	69	%
2-FLUOROPHENOL	(21 - 110 %)	42	%
2,4,6-TRIBROMOPHENOL	(10 - 123 %)	94	%

Data Reported following TCLP Toxicity Characteristics Leaching Procedure.
Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

COLUMBIA ANALYTICAL SERVICESEXTRACTABLE ORGANICS

METHOD 8080 TCLP

Reported: 08/27/97

Dames & Moore

Project Reference: GE URBAN STREET

Client Sample ID : SUMP WATER

Date Sampled : 08/11/97

Order #: 161860

Sample Matrix: WATER

Date Received: 08/11/97

Submission #: 9708000154

Analytical Run 19544

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 08/15/97			
DATE ANALYZED : 08/26/97			
ANALYTICAL DILUTION: 10.0			
GAMMA-BHC (LINDANE)	0.50	5.0 U	UG/L
CHLORDANE	2.0	20 U	UG/L
ENDRIN	0.50	5.0 U	UG/L
HEPTACHLOR	0.50	5.0 U	UG/L
HEPTACHLOR EPOXIDE	0.50	5.0 U	UG/L
METHOXYCHLOR	2.0	20 U	UG/L
TOXAPHENE	10	100 U	UG/L

SURROGATE RECOVERIESQC LIMITS

DIBUTYLCHLORENDATE (DBC)	(24 - 154 %)	93	%
TETRACHLORO-META-XYLENE, TCMX	(30 - 150 %)	76	%

Data Reported following TCLP Toxicity Characteristics Leaching Procedure.
Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8150 TCLP
Reported: 08/27/97

Dames & Moore

Project Reference: GE URBAN STREET

Client Sample ID : SUMP WATER

Date Sampled : 08/11/97 Order #: 161860 Sample Matrix: WATER
Date Received: 08/11/97 Submission #: 9708000154 Analytical Run 19560

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED	: 08/19/97		
DATE ANALYZED	: 08/26/97		
ANALYTICAL DILUTION:	10.0		
2,4-D	0.50	5.0 U	UG/L
2,4,5-TP (SILVEX)	0.50	5.0 U	UG/L
<u>SURROGATE RECOVERIES</u>	<u>QC LIMITS</u>		
.,4-DB	(18 - 152 %)	36	%

Data Reported following TCLP Toxicity Characteristics Leaching Procedure.
Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8080 PCBS

Reported: 08/27/97

Dames & Moore

Project Reference: GE URBAN STREET

Client Sample ID : SS-172

Date Sampled : 08/11/97 Order #: 161861 Sample Matrix: SOIL/SEDIMENT
Date Received: 08/11/97 Submission #: 9708000154 Percent Solid: 84.2

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 08/12/97			
DATE ANALYZED : 08/13/97			
ANALYTICAL DILUTION: 1.0			Dry Weight
PCB 1016	400	480 U	UG/KG
PCB 1221	400	480 U	UG/KG
PCB 1232	400	480 U	UG/KG
PCB 1242	400	480 U	UG/KG
PCB 1248	400	480 U	UG/KG
PCB 1254	400	480 U	UG/KG
PCB 1260	400	480 U	UG/KG

SURROGATE RECOVERIESQC LIMITS

DECACHLOROBIPHENYL	(30 - 150 %)	107	%
TETRACHLORO-META-XYLENE	(30 - 150 %)	108	%

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8080 PCBS

Reported: 08/27/97

Dames & Moore

Project Reference: GE URBAN STREET

Client Sample ID : SUMP SLUDGE

Date Sampled : 08/09/97

Order #: 161885

Sample Matrix: SOIL/SEDIMENT

Date Received: 08/11/97

Submission #: 9708000154

Percent Solid: 70.4

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 08/12/97			
DATE ANALYZED : 08/16/97			
ANALYTICAL DILUTION: 100.0			Dry Weight
PCB 1016	400	57000 U	UG/KG
PCB 1221	400	57000 U	UG/KG
PCB 1232	400	57000 U	UG/KG
PCB 1242	400	57000 U	UG/KG
PCB 1248	400	57000 U	UG/KG
PCB 1254	400	57000 U	UG/KG
PCB 1260	400	330000	UG/KG

SURROGATE RECOVERIESQC LIMITSDECACHLOROBIPHENYL
TETRACHLORO-META-XYLENE(30 - 150 %)
(30 - 150 %)D %
D %

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8081 PCB'S

Reported: 08/27/97

Dames & Moore

Project Reference: GE URBAN STREET

Client Sample ID : SUMP WATER

Date Sampled : 08/11/97

Order #: 161886

Sample Matrix: WATER

Date Received: 08/11/97

Submission #: 9708000154

Analytical Run 19264

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 08/12/97			
DATE ANALYZED : 08/19/97			
ANALYTICAL DILUTION: 11494.3			
PCB 1016	0.50	5700 U	UG/L
PCB 1221	0.50	5700 U	UG/L
PCB 1232	0.50	5700 U	UG/L
PCB 1242	0.50	5700 U	UG/L
PCB 1248	0.50	5700 U	UG/L
PCB 1254	0.50	5700 U	UG/L
PCB 1260	0.50	26000	UG/L

SURROGATE RECOVERIESQC LIMITS

DECACHLOROBIPHENYL

(30 - 150 %)

D

%

TETRACHLORO-META-XYLENE

(30 - 150 %)

D

%

COLUMBIA ANALYTICAL SERVICESVOLATILE ORGANICS
METHOD 8260 TCL
Reported: 08/27/97Project Reference:
Client Sample ID : METHOD BLANK

Date Sampled :	Order #: 162692	Sample Matrix: SOIL/SEDIMENT
Date Received:	Submission #:	Percent Solid: 100

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 08/13/97			
ANALYTICAL DILUTION: 1.0			Dry Weight
ACETONE	20	20 U	UG/KG
BENZENE	5.0	5.0 U	UG/KG
BROMODICHLOROMETHANE	5.0	5.0 U	UG/KG
BROMOFORM	5.0	5.0 U	UG/KG
BROMOMETHANE	5.0	5.0 U	UG/KG
2-BUTANONE (MEK)	10	10 U	UG/KG
CARBON DISULFIDE	10	10 U	UG/KG
CARBON TETRACHLORIDE	5.0	5.0 U	UG/KG
CHLOROBENZENE	5.0	5.0 U	UG/KG
CHLOROETHANE	5.0	5.0 U	UG/KG
CHLOROFORM	5.0	5.0 U	UG/KG
CHLOROMETHANE	5.0	5.0 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/KG
1,1-DICHLOROETHANE	5.0	5.0 U	UG/KG
1,2-DICHLOROETHANE	5.0	5.0 U	UG/KG
1,1-DICHLOROETHENE	5.0	5.0 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/KG
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/KG
ETHYLBENZENE	5.0	5.0 U	UG/KG
2-HEXANONE	10	10 U	UG/KG
1-ETHYLENE CHLORIDE	5.0	5.0 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/KG
STYRENE	5.0	5.0 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/KG
TETRACHLOROETHENE	5.0	5.0 U	UG/KG
TOLUENE	5.0	5.0 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/KG
TRICHLOROETHENE	5.0	5.0 U	UG/KG
VINYL CHLORIDE	5.0	5.0 U	UG/KG
O-XYLENE	5.0	5.0 U	UG/KG
M+P-XYLENE	5.0	5.0 U	UG/KG

SURROGATE RECOVERIESQC LIMITS

4-BROMOFLUOROBENZENE	(74 - 121 %)	108	%
TOLUENE-D8	(81 - 117 %)	99	%
DIBROMOFLUOROMETHANE	(80 - 120 %)	100	%

COLUMBIA ANALYTICAL SERVICESVOLATILE ORGANICS
METHOD 8260 TCLP
Reported: 08/27/97Project Reference:
Client Sample ID : METHOD BLANK

Date Sampled :	Order #: 162694	Sample Matrix: SOIL/SEDIMENT
Date Received:	Submission #:	Analytical Run 19327

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 08/15/97			
ANALYTICAL DILUTION: 1.0			
BENZENE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	5.0 U	UG/L
VINYL CHLORIDE	5.0	5.0 U	UG/L

SURROGATE RECOVERIESQC LIMITS

BROMOFLUOROBENZENE	(86 - 115 %)	94	%
TOLUENE-D8	(88 - 110 %)	95	%
DIBROMOFLUOROMETHANE	(86 - 118 %)	91	%

Data Reported following TCLP Toxicity Characteristics Leaching Procedure.
Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

COLUMBIA ANALYTICAL SERVICESVOLATILE ORGANICS
METHOD 8260 TCLP
Reported: 08/27/97Project Reference:
Client Sample ID : METHOD BLANK

Date Sampled :	Order #: 162693	Sample Matrix: WATER
Date Received:	Submission #:	Analytical Run 19327

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 08/14/97			
ANALYTICAL DILUTION: 1.0			
BENZENE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	5.0 U	UG/L
VINYL CHLORIDE	5.0	5.0 U	UG/L

SURROGATE RECOVERIESQC LIMITS

BROMOFLUOROBENZENE	(86 - 115 %)	94	%
TOLUENE-D8	(88 - 110 %)	92	%
DIBROMOFLUOROMETHANE	(86 - 118 %)	101	%

Data Reported following TCLP Toxicity Characteristics Leaching Procedure.
Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8270 TCLP

Reported: 08/29/97

Project Reference:

Client Sample ID : METHOD BLANK

Date Sampled :	Order #: 163761	Sample Matrix: WATER
Date Received:	Submission #:	Analytical Run 19471

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 08/18/97			
DATE ANALYZED : 08/21/97			
ANALYTICAL DILUTION: 10.0			
1,4-DICHLOROBENZENE	5.0	50 U	UG/L
2,4-DINITROTOLUENE	5.0	50 U	UG/L
HEXACHLOROBENZENE	5.0	50 U	UG/L
HEXACHLOROBUTADIENE	5.0	50 U	UG/L
HEXACHLOROETHANE	5.0	50 U	UG/L
2-METHYLPHENOL	10	100 U	UG/L
3+4-METHYLPHENOL	10	100 U	UG/L
NITROBENZENE	5.0	50 U	UG/L
PENTACHLOROPHENOL	20	200 U	UG/L
PYRIDINE	10	100 U	UG/L
2,4,6-TRICHLOROPHENOL	10	100 U	UG/L
2,4,5-TRICHLOROPHENOL	10	100 U	UG/L

SURROGATE RECOVERIESQC LIMITS

TERPHENYL-D14	(33 - 141 %)	8	%
NITROBENZENE-D5	(35 - 114 %)	7	%
PHENOL-D6	(10 - 94 %)	2	%
2-FLUOROBIPHENYL	(43 - 116 %)	6	%
2-FLUOROPHENOL	(21 - 110 %)	3	%
2,4,6-TRIBROMOPHENOL	(10 - 123 %)	8	%

Data Reported following TCLP Toxicity Characteristics Leaching Procedure.
Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8080 PCBS

Reported: 08/27/97

Project Reference:

Client Sample ID : METHOD BLANK

Date Sampled :	Order #: 162387	Sample Matrix: SOIL/SEDIMENT
Date Received:	Submission #:	Percent Solid: 100

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 08/12/97			
DATE ANALYZED : 08/13/97			
ANALYTICAL DILUTION: 1.0			Dry Weight
PCB 1016	400	400 U	UG/KG
PCB 1221	400	400 U	UG/KG
PCB 1232	400	400 U	UG/KG
PCB 1242	400	400 U	UG/KG
PCB 1248	400	400 U	UG/KG
PCB 1254	400	400 U	UG/KG
PCB 1260	400	400 U	UG/KG

SURROGATE RECOVERIESQC LIMITS

DECACHLOROBIPHENYL	(30 - 150 %)	101	%
TETRACHLORO-META-XYLENE	(30 - 150 %)	102	%

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8081 PCB'S

Reported: 08/27/97

Project Reference:**Client Sample ID : METHOD BLANK****Date Sampled :****Order #: 162383****Sample Matrix: WATER****Date Received:****Submission #:****Analytical Run 19264**

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 08/12/97			
DATE ANALYZED : 08/19/97			
ANALYTICAL DILUTION: 1.0			
PCB 1016	0.50	0.50 U	UG/L
PCB 1221	0.50	0.50 U	UG/L
PCB 1232	0.50	0.50 U	UG/L
PCB 1242	0.50	0.50 U	UG/L
PCB 1248	0.50	0.50 U	UG/L
PCB 1254	0.50	0.50 U	UG/L
PCB 1260	0.50	0.50 U	UG/L

SURROGATE RECOVERIESQC LIMITS

DECACHLOROBIPHENYL

(30 - 150 %)

76

%

TETRACHLORO-META-XYLENE

(30 - 150 %)

72

%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS

METHOD 8080 PCBS

Reported: 08/27/97

Project Reference:

Client Sample ID : METHOD BLANK

Date Sampled :	Order #: 162386	Sample Matrix: WIPE
Date Received:	Submission #:	Analytical Run 19267

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 08/12/97			
DATE ANALYZED : 08/14/97			
ANALYTICAL DILUTION: 1.0			
PCB 1016	1.0	1.0 U	UG/WI
PCB 1221	1.0	1.0 U	UG/WI
PCB 1232	1.0	1.0 U	UG/WI
PCB 1242	1.0	1.0 U	UG/WI
PCB 1248	1.0	1.0 U	UG/WI
PCB 1254	1.0	1.0 U	UG/WI
PCB 1260	1.0	1.0 U	UG/WI

SURROGATE RECOVERIES	QC LIMITS		
DECACHLOROBIPHENYL	(30 - 150 %)	107	%
TETRACHLORO-META-XYLENE	(30 - 150 %)	108	%

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8080 TCLP

Reported: 08/27/97

Project Reference:

Client Sample ID : METHOD BLANK

Date Sampled :	Order #: 164202	Sample Matrix: SOIL/SEDIMENT
Date Received:	Submission #:	Analytical Run 19544

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 08/15/97			
DATE ANALYZED : 08/25/97			
ANALYTICAL DILUTION: 10.0			
GAMMA-BHC (LINDANE)	0.50	5.0 U	UG/L
CHLORDANE	2.0	20 U	UG/L
ENDRIN	0.50	5.0 U	UG/L
HEPTACHLOR	0.50	5.0 U	UG/L
HEPTACHLOR EPOXIDE	0.50	5.0 U	UG/L
METHOXYCHLOR	2.0	20 U	UG/L
POXAPHENE	10	100 U	UG/L

SURROGATE RECOVERIESQC LIMITS

DIBUTYLCHLORENDATE (DBC)	(24 - 154 %)	91	%
TETRACHLORO-META-XYLENE, TCMX	(30 - 150 %)	72	%

Data Reported following TCLP Toxicity Characteristics Leaching Procedure.
Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS

METHOD 8150 TCLP

Reported: 08/27/97

Project Reference:

Client Sample ID : METHOD BLANK

Date Sampled :

Order #: 164270

Sample Matrix: SOIL/SEDIMENT

Date Received:

Submission #:

Analytical Run 19560

ANALYTE	PQL	RESULT	UNITS
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DATE EXTRACTED : 08/19/97

DATE ANALYZED : 08/26/97

ANALYTICAL DILUTION: 10.0

2,4-D	0.50	5.0 U	UG/L
2,4,5-TP (SILVEX)	0.50	5.0 U	UG/L

SURROGATE RECOVERIES

QC LIMITS

2,4-DB	(18 - 152 %)	25	%
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Data Reported following TCLP Toxicity Characteristics Leaching Procedure.
Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

(800) 695-7222

DATE 8.9.97

PAGE 1

OF 2

PROJECT NAME GE-URBAN STREET
PROJECT MANAGER/CONTACT M. Colmerauer
COMPANY/ADDRESS DAMES + MOORE
ORCHARD PARK, NY
TEL (716) 897-1715 FAX (716) 897-1720
SAMPLER'S SIGNATURE [Signature] 675-7136

ANALYSIS REQUESTED											
# OF CONTAINERS	GC/MS VOAS 8260 ☐ 624	GC/MS SVOAS 8270A ☐ 625	GC VOAS 8010/8020 ☐ 601/602	PESTICIDES/PCBS 8080 ☐ 608	STARS LIST 8021 VOAS TOTAL ☐ TCLP ☐	STARS LIST 8270 SVOAS TOTAL ☐ TCLP ☐	TCLP ☐ METALS ASVOAS ☐ H/P	WASTE CHARACTERIZATION React ☐ Corros. ☐ Ignit.	METALS, TOTAL (LIST BELOW)	METALS, DISSOLVED (LIST BELOW)	PRESERVATION
											PH < 2.0
											PH > 12
											Other

TURNAROUND REQUIREMENTS	REPORT REQUIREMENTS	INVOICE INFORMATION	SAMPLE RECEIPT
24 hr. ☐ 48 hr. ☒ 72 hr. ☐ Standard (10-15 working days) Provide Verbal Preliminary Results Provide FAX Preliminary Results Requested Report Date _____	1. Routine Report 2. Routine Rep. w/CASE Narrative 3. EPA Level III Validatable Package 4. N.J. Reduced Deliverables Level IV 5. NY ASP/CLP Deliverables 6. Site specific QC.	P.O. #: _____ Bill To: _____ Shipping Via: <u>CAS-MS</u> Shipping #: _____ Temperature: <u>4°C</u> Submission No: <u>8-154</u>	

SPECIAL INSTRUCTIONS/COMMENTS:
METALS quote 1649
ORGANICS: ☐ TCL ☐ PPL ☐ AE Only ☐ BN Only ☐ Special List
WASTE CHARACTERIZATION BY FRI 8-15 if possible.

RECEIVED BY: [Signature] 8/11/97 14:30
RELINQUISHED BY: [Signature] 8/11/97 14:30



A FULL SERVICE ENVIRONMENTAL LABORATORY

September 3, 1997

RECEIVED
Dames & Moore

SEP 9 1997

File # _____

Mr. Mark Colmerauer
Dames & Moore
3065 Southwestern Blvd.
Orchard Park, NY 14127

PROJECT:GE URBAN STREET
Submission #:9708000183

Dear Mr. Colmerauer:

Enclosed are the analytical results of the analyses requested. The analytical data was provided to you on 08/28/97 per a Facsimile transmittal. All data has been reviewed prior to report submission.

Should you have any questions please contact me at (716) 288-5380.

Thank you for letting us provide this service.

Sincerely,

COLUMBIA ANALYTICAL SERVICES

Mark Wilson
Client Service Manager

Enc.

This package has been reviewed by Columbia Analytical Services' QA Department/Laboratory Director prior to report submittal.



Effective 04/01/96

CAS LIST OF QUALIFIERS

(The basis of this proposal are the EPA-CLP Qualifiers)

- U - Indicates compound was analyzed for but was not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.
- J - Indicates an estimated value. For further explanation see case narrative / cover letter.
- B - This flag is used when the analyte is found in the associated blank as well as in the sample.
- E - This flag identifies compounds whose concentrations exceed the calibration range.
- A - This flag indicates that a TIC is a suspected aldol-condensation product.
- N - Spiked sample recovery not within control limits.
(Flag the entire batch - Inorganic analysis only)
- * - Duplicate analysis not within control limits.
(Flag the entire batch - Inorganic analysis only)
- Also used to qualify Organics QC data outside limits.
- D - Spike diluted out.
- S - Reported value determined by Method of Standard Additions. (MSA)
- X - As specified in the case narrative.

CAS Lab ID # for State Certifications

NY ID # in Rochester: 10145
CT ID # in Rochester: PH0556
MA ID # in Rochester: M-NY032

NJ ID # in Rochester: 73004
RI ID # in Rochester: 158

COLUMBIA ANALYTICAL SERVICES

Reported: 09/03/97

Dames & Moore
Project Reference:GE URBAN STREET
Client Sample ID :PERCHED WATER

Date Sampled :08/13/97
Date Received:08/13/97

Order #:162443
Submission #:9708000183

Sample Matrix:WATER

ANALYTE	PQL	RESULT		UNITS	DATE ANALYZED	ANALYTICAL DILUTION
ARSENIC	0.500	0.500	U	MG/L	08/15/97	1.0
BARIUM	1.00	1.00	U	MG/L	08/15/97	1.0
CADMIUM	0.100	0.100	U	MG/L	08/15/97	1.0
CHROMIUM	0.100	0.100	U	MG/L	08/15/97	1.0
LEAD	0.100	0.100	U	MG/L	08/15/97	1.0
MERCURY	0.000300	0.00300	U	MG/L	08/18/97	10.0
SELENIUM	0.500	0.500	U	MG/L	08/15/97	1.0
SILVER	0.100	0.100	U	MG/L	08/15/97	1.0

Data reported following TCLP Toxicity Characteristics Leaching Procedure. Federal Register, Part 261, Vol. 55, No. 126, June 29, 1990.

METALS-1

COLUMBIA ANALYTICAL SERVICES

Reported: 09/03/97

Dames & Moore
Project Reference:GE URBAN STREET
Client Sample ID :PERCHED WATER

Date Sampled :08/13/97
Date Received:08/13/97

Order #:162443
Submission #:9708000183

Sample Matrix:WATER

ANALYTE	PQL	RESULT	UNITS	DATE ANALYZED	ANALYTICAL DILUTION
CYANIDE REACTIVITY	0.0500	0.0500 U	MG/L	08/15/97	1.0
FLASH POINT		>100	°C	08/21/97	1.0
PH		7.12		08/14/97	NA
SULFIDE REACTIVITY	1.00	1.00 U	MG/L	08/15/97	1.0

COLUMBIA ANALYTICAL SERVICES**VOLATILE ORGANICS**
METHOD 8260 TCLP
Reported: 09/03/97

Dames & Moore

Project Reference: GE URBAN STREET**Client Sample ID :** PERCHED WATER**Date Sampled :** 08/13/97**Order #:** 162443**Sample Matrix:** WATER**Date Received:** 08/13/97**Submission #:** 9708000183**Analytical Run** 19512

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 08/14/97			
ANALYTICAL DILUTION: 10.0			
BENZENE	5.0	50 U	UG/L
2-BUTANONE (MEK)	10	100 U	UG/L
CARBON TETRACHLORIDE	5.0	50 U	UG/L
CHLOROBENZENE	5.0	50 U	UG/L
CHLOROFORM	5.0	50 U	UG/L
2-DICHLOROETHANE	5.0	280	UG/L
1,1-DICHLOROETHENE	5.0	50 U	UG/L
TETRACHLOROETHENE	5.0	50 U	UG/L
TRICHLOROETHENE	5.0	350	UG/L
VINYL CHLORIDE	5.0	50 U	UG/L

<u>SURROGATE RECOVERIES</u>	<u>QC LIMITS</u>		
BROMOFLUOROBENZENE	(86 - 115 %)	94	%
TOLUENE-D8	(88 - 110 %)	94	%
DIBROMOFLUOROMETHANE	(86 - 118 %)	101	%

Data Reported following TCLP Toxicity Characteristics Leaching Procedure.
Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8270 TCLP

Reported: 09/03/97

Dames & Moore

Project Reference: GE URBAN STREET

Client Sample ID : PERCHED WATER

Date Sampled : 08/13/97 Order #: 162443 Sample Matrix: WATER
Date Received: 08/13/97 Submission #: 9708000183 Analytical Run 19471

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED	: 08/18/97		
DATE ANALYZED	: 08/21/97		
ANALYTICAL DILUTION:	10.0		
1,4-DICHLOROBENZENE	5.0	50 U	UG/L
2,4-DINITROTOLUENE	5.0	50 U	UG/L
HEXACHLOROBENZENE	5.0	50 U	UG/L
HEXACHLOROBUTADIENE	5.0	50 U	UG/L
HEXACHLOROETHANE	5.0	50 U	UG/L
2-METHYLPHENOL	10	100	UG/L
3+4-METHYLPHENOL	10	100 U	UG/L
NITROBENZENE	5.0	50 U	UG/L
PENTACHLOROPHENOL	20	200 U	UG/L
PYRIDINE	10	100 U	UG/L
2,4,6-TRICHLOROPHENOL	10	100 U	UG/L
2,4,5-TRICHLOROPHENOL	10	100 U	UG/L

SURROGATE RECOVERIESQC LIMITS

TERPHENYL-D14	(33 - 141 %)	79	%
NITROBENZENE-D5	(35 - 114 %)	59	%
PHENOL-D6	(10 - 94 %)	29	%
2-FLUOROBIPHENYL	(43 - 116 %)	68	%
2-FLUOROPHENOL	(21 - 110 %)	41	%
2,4,6-TRIBROMOPHENOL	(10 - 123 %)	81	%

Data Reported following TCLP Toxicity Characteristics Leaching Procedure.
Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8080 TCLP

Reported: 09/03/97

Dames & Moore

Project Reference: GE URBAN STREET

Client Sample ID : PERCHED WATER

Date Sampled : 08/13/97

Order #: 162443

Sample Matrix: WATER

Date Received: 08/13/97

Submission #: 9708000183

Analytical Run 19544

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED	: 08/15/97		
DATE ANALYZED	: 08/25/97		
ANALYTICAL DILUTION:	10.0		
GAMMA-BHC (LINDANE)	0.50	5.0 U	UG/L
CHLORDANE	2.0	20 U	UG/L
ENDRIN	0.50	5.0 U	UG/L
HEPTACHLOR	0.50	5.0 U	UG/L
HEPTACHLOR EPOXIDE	0.50	5.0 U	UG/L
METHOXYCHLOR	2.0	20 U	UG/L
TOXAPHENE	10	100 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
DIBUTYLCHLORENDATE (DBC)	(24 - 154 %)	108	%
TETRACHLORO-META-XYLENE, TCMX	(30 - 150 %)	79	%

Data Reported following TCLP Toxicity Characteristics Leaching Procedure.
Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8150 TCLP

Reported: 09/03/97

Dames & Moore

Project Reference: GE URBAN STREET

Client Sample ID : PERCHED WATER

Date Sampled : 08/13/97

Order #: 162443

Sample Matrix: WATER

Date Received: 08/13/97

Submission #: 9708000183

Analytical Run 19560

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 08/19/97			
DATE ANALYZED : 08/26/97			
ANALYTICAL DILUTION: 10.0			
2,4-D	0.50	5.0 U	UG/L
2,4,5-TP (SILVEX)	0.50	5.0 U	UG/L

SURROGATE RECOVERIESQC LIMITS

2,4-DB

(18 - 152 %)

43

%

Data Reported following TCLP Toxicity Characteristics Leaching Procedure.
Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8080 PCBS

Reported: 09/03/97

Dames & Moore

Project Reference: GE URBAN STREET

Client Sample ID : SS-179

Date Sampled : 08/13/97 Order #: 162444 Sample Matrix: SOIL/SEDIMEN
Date Received: 08/13/97 Submission #: 9708000183 Percent Solid: 68.0

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 08/22/97			
DATE ANALYZED : 08/26/97			
ANALYTICAL DILUTION: 1000.0			Dry Weight
PCB 1016	400	590000 U	UG/KG
PCB 1221	400	590000 U	UG/KG
PCB 1232	400	590000 U	UG/KG
PCB 1242	400	590000 U	UG/KG
PCB 1248	400	590000 U	UG/KG
PCB 1254	400	590000 U	UG/KG
PCB 1260	400	1000000	UG/KG

SURROGATE RECOVERIESQC LIMITS

DECACHLOROBIPHENYL
TETRACHLORO-META-XYLENE

(30 - 150 %)
(30 - 150 %)

D %
D %

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8081 PCB'S

Reported: 09/03/97

Dames & Moore

Project Reference: GE URBAN STREET

Client Sample ID : PERCHED WATER

Date Sampled : 08/13/97

Order #: 162507

Sample Matrix: WATER

Date Received: 08/13/97

Submission #: 9708000183

Analytical Run 19527

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 08/20/97			
DATE ANALYZED : 08/27/97			
ANALYTICAL DILUTION: 1000.0			
PCB 1016	0.50	500 U	UG/L
PCB 1221	0.50	500 U	UG/L
PCB 1232	0.50	500 U	UG/L
PCB 1242	0.50	500 U	UG/L
CB 1248	0.50	500 U	UG/L
CB 1254	0.50	500 U	UG/L
PCB 1260	0.50	2000	UG/L

SURROGATE RECOVERIESQC LIMITS

DECACHLOROBIPHENYL

(30 - 150 %)

D

%

TETRACHLORO-META-XYLENE

(30 - 150 %)

D

%

COLUMBIA ANALYTICAL SERVICESVOLATILE ORGANICS
METHOD 8260 TCLP
Reported: 09/03/97Project Reference:
Client Sample ID : METHOD BLANK

Date Sampled : Order #: 164048 Sample Matrix: WATER
Date Received: Submission #: Analytical Run 19512

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 08/14/97			
ANALYTICAL DILUTION: 1.0			
BENZENE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	5.0 U	UG/L
VINYL CHLORIDE	5.0	5.0 U	UG/L

<u>SURROGATE RECOVERIES</u>	<u>QC LIMITS</u>		
BROMOFLUOROBENZENE	(86 - 115 %)	94	%
TOLUENE-D8	(88 - 110 %)	92	%
DIBROMOFLUOROMETHANE	(86 - 118 %)	101	%

Data Reported following TCLP Toxicity Characteristics Leaching Procedure.
Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8270 TCLP

Reported: 09/04/97

Project Reference:**Client Sample ID : METHOD BLANK****Date Sampled :****Order #: 163761****Sample Matrix: WATER****Date Received:****Submission #:****Analytical Run 19471**

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 08/18/97			
DATE ANALYZED : 08/21/97			
ANALYTICAL DILUTION: 10.0			
1,4-DICHLOROBENZENE	5.0	50 U	UG/L
2,4-DINITROTOLUENE	5.0	50 U	UG/L
HEXACHLOROBENZENE	5.0	50 U	UG/L
HEXACHLOROBUTADIENE	5.0	50 U	UG/L
HEXACHLOROETHANE	5.0	50 U	UG/L
2-METHYLPHENOL	10	100 U	UG/L
4-METHYLPHENOL	10	100 U	UG/L
NITROBENZENE	5.0	50 U	UG/L
PENTACHLOROPHENOL	20	200 U	UG/L
PYRIDINE	10	100 U	UG/L
2,4,6-TRICHLOROPHENOL	10	100 U	UG/L
2,4,5-TRICHLOROPHENOL	10	100 U	UG/L

SURROGATE RECOVERIES**QC LIMITS**

TERPHENYL-D14	(33 - 141 %)	75	%
NITROBENZENE-D5	(35 - 114 %)	66	%
PHENOL-D6	(10 - 94 %)	18	%
2-FLUOROBIPHENYL	(43 - 116 %)	65	%
2-FLUOROPHENOL	(21 - 110 %)	28	%
2,4,6-TRIBROMOPHENOL	(10 - 123 %)	81	%

Data Reported following TCLP Toxicity Characteristics Leaching Procedure.
Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8080 TCL

Reported: 09/04/97

Project Reference:

Client Sample ID : METHOD BLANK

Date Sampled :

Order #: 164200

Sample Matrix: SOIL/SEDIMENT

Date Received:

Submission #:

Analytical Run 19544

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 08/15/97			
DATE ANALYZED : 08/27/97			
ANALYTICAL DILUTION: 10.0			
ALDRIN	0.050	0.50 U	UG/L
ALPHA-BHC	0.050	0.50 U	UG/L
BETA-BHC	0.050	0.50 U	UG/L
DELTA-BHC	0.050	0.50 U	UG/L
GAMMA-BHC (LINDANE)	0.050	0.50 U	UG/L
ALPHA-CHLORDANE	0.050	0.50 U	UG/L
GAMMA-CHLORDANE	0.050	0.50 U	UG/L
4,4'-DDD	0.050	0.50 U	UG/L
4,4'-DDE	0.050	0.50 U	UG/L
4,4'-DDT	0.10	1.0 U	UG/L
DIELDRIN	0.050	0.50 U	UG/L
ALPHA-ENDOSULFAN	0.050	0.50 U	UG/L
BETA-ENDOSULFAN	0.10	1.0 U	UG/L
ENDOSULFAN SULFATE	0.10	1.0 U	UG/L
ENDRIN	0.050	0.50 U	UG/L
ENDRIN ALDEHYDE	0.10	1.0 U	UG/L
ENDRIN KETONE	0.10	1.0 U	UG/L
HEPTACHLOR	0.050	0.50 U	UG/L
HEPTACHLOR EPOXIDE	0.050	0.50 U	UG/L
METHOXYCHLOR	0.20	2.0 U	UG/L
TOXAPHENE	1.0	10 U	UG/L

SURROGATE RECOVERIESQC LIMITS

DIBUTYLCHLORENDATE (DBC)	(24 - 150 %)	114	%
TETRACHLORO-META-XYLENE (TCMX)	(30 - 150 %)	100	%

Data Reported following TCLP Toxicity Characteristics Leaching Procedure.
Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS****METHOD 8080 PCBS****Reported: 09/03/97****Project Reference:****Client Sample ID : METHOD BLANK**

Date Sampled :	Order #: 164145	Sample Matrix: SOIL/SEDIMEN
Date Received:	Submission #:	Percent Solid: 100

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 08/22/97			
DATE ANALYZED : 08/26/97			
ANALYTICAL DILUTION: 1.0			Dry Weight
PCB 1016	400	400 U	UG/KG
PCB 1221	400	400 U	UG/KG
PCB 1232	400	400 U	UG/KG
PCB 1242	400	400 U	UG/KG
PCB 1248	400	400 U	UG/KG
PCB 1254	400	400 U	UG/KG
PCB 1260	400	400 U	UG/KG

SURROGATE RECOVERIES**QC LIMITS**

DECACHLOROBIPHENYL	(30 - 150 %)	90	%
TETRACHLORO-META-XYLENE	(30 - 150 %)	87	%

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8081 PCB'S

Reported: 09/03/97

Project Reference:

Client Sample ID : METHOD BLANK

Date Sampled :	Order #: 164151	Sample Matrix: WATER
Date Received:	Submission #:	Analytical Run 19527

ANALYTE	PQL	RESULT	UNITS
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DATE EXTRACTED	: 08/20/97
DATE ANALYZED	: 08/26/97
ANALYTICAL DILUTION:	1.0

PCB 1016	0.50	0.50 U	UG/L
PCB 1221	0.50	0.50 U	UG/L
PCB 1232	0.50	0.50 U	UG/L
PCB 1242	0.50	0.50 U	UG/L
PCB 1248	0.50	0.50 U	UG/L
PCB 1254	0.50	0.50 U	UG/L
PCB 1260	0.50	0.50 U	UG/L

SURROGATE RECOVERIESQC LIMITS

DECACHLOROBIPHENYL	(30 - 150 %)	83	%
TETRACHLORO-META-XYLENE	(30 - 150 %)	90	%

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8150 TCLP

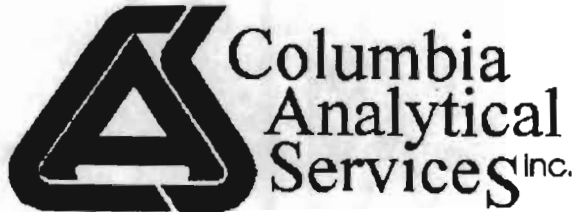
Reported: 09/03/97

Project Reference:**Client Sample ID : METHOD BLANK****Date Sampled :****Order #: 164270****Sample Matrix: SOIL/SEDIMEN****Date Received:****Submission #:****Analytical Run 19560**

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 08/19/97			
DATE ANALYZED : 08/26/97			
ANALYTICAL DILUTION: 10.0			
2,4-D	0.50	5.0 U	UG/L
2,4,5-TP (SILVEX)	0.50	5.0 U	UG/L
<u>SURROGATE RECOVERIES</u>	<u>QC LIMITS</u>		
2,4-DB	(18 - 152 %)	25	%

Data Reported following TCLP Toxicity Characteristics Leaching Procedure.
Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

[illegible]



A FULL SERVICE ENVIRONMENTAL LABORATORY

September 4, 1997

RECEIVED
Dames & Moore

SEP 10 1997

File # _____

Mr. Mark Colmerauer
Dames & Moore
3065 Southwestern Blvd.
Orchard Park, NY 14127

PROJECT:GE URBAN STREET
Submission #:9708000310

Dear Mr. Colmerauer:

Enclosed are the analytical results of the analyses requested. The analytical data was provided to you on 08/28/97 per a Facsimile transmittal. All data has been reviewed prior to report submission.

Should you have any questions please contact me at (716) 288-5380.

Thank you for letting us provide this service.

Sincerely,

COLUMBIA ANALYTICAL SERVICES

Mark Wilson
Client Service Manager

Enc.

This package has been reviewed by Columbia Analytical Services' QA Department/Laboratory Director prior to report submittal.



Effective 04/01/96

CAS LIST OF QUALIFIERS

(The basis of this proposal are the EPA-CLP Qualifiers)

- U - Indicates compound was analyzed for but was not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.
- J - Indicates an estimated value. For further explanation see case narrative / cover letter.
- B - This flag is used when the analyte is found in the associated blank as well as in the sample.
- E - This flag identifies compounds whose concentrations exceed the calibration range.
- A - This flag indicates that a TIC is a suspected aldol-condensation product.
- N - Spiked sample recovery not within control limits.
(Flag the entire batch - Inorganic analysis only)
- * - Duplicate analysis not within control limits.
(Flag the entire batch - Inorganic analysis only)
 - Also used to qualify Organics QC data outside limits.
- D - Spike diluted out.
- S - Reported value determined by Method of Standard Additions. (MSA)
- X - As specified in the case narrative.

CAS Lab ID # for State Certifications

NY ID # in Rochester: 10145
CT ID # in Rochester: PH0556
MA ID # in Rochester: M-NY032

NJ ID # in Rochester: 73004
RI ID # in Rochester: 158

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS****METHOD 8080 PCBS****Reported: 09/04/97****Dames & Moore****Project Reference: GE URBAN STREET****Client Sample ID : SUBFLOOR-BULK3****Date Sampled : 08/27/97****Order #: 164724****Sample Matrix: SOLID****Date Received: 08/27/97****Submission #: 9708000310****Analytical Run 19632**

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 08/27/97			
DATE ANALYZED : 08/28/97			
ANALYTICAL DILUTION: 10.0			
PCB 1016	400	4000 U	UG/KG
PCB 1221	400	4000 U	UG/KG
PCB 1232	400	4000 U	UG/KG
PCB 1242	400	4000 U	UG/KG
PCB 1248	400	4000 U	UG/KG
PCB 1254	400	4000 U	UG/KG
PCB 1260	400	12000	UG/KG

SURROGATE RECOVERIES**QC LIMITS**

DECACHLOROBIPHENYL	(30 - 150 %)	97	%
TETRACHLORO-META-XYLENE	(30 - 150 %)	71	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS

METHOD 8080 PCBS

Reported: 09/09/97

Dames & Moore

Project Reference: GE URBAN STREET

Client Sample ID : SUBFLOOR-BULK4

Date Sampled : 08/27/97

Order #: 164725

Sample Matrix: SOLID

Date Received: 08/27/97

Submission #: 9708000310

Analytical Run 19632

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 08/27/97			
DATE ANALYZED : 08/28/97			
ANALYTICAL DILUTION: 10.0			
PCB 1016	400	4000 U	UG/KG
PCB 1221	400	4000 U	UG/KG
PCB 1232	400	4000 U	UG/KG
PCB 1242	400	4000 U	UG/KG
PCB 1248	400	4000 U	UG/KG
PCB 1254	400	4000 U	UG/KG
PCB 1260	400	36000	UG/KG

SURROGATE RECOVERIESQC LIMITS

DECACHLOROBIPHENYL
TETRACHLORO-META-XYLENE

(30 - 150 %)
(30 - 150 %)

170 * %
82 %

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8080 PCBS

Reported: 09/04/97

Dames & Moore

Project Reference: GE URBAN STREET

Client Sample ID : SUBFLOOR-BULK5

Date Sampled : 08/27/97

Order #: 164726

Sample Matrix: SOLID

Date Received: 08/27/97

Submission #: 9708000310

Analytical Run 19632

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 08/27/97			
DATE ANALYZED : 08/28/97			
ANALYTICAL DILUTION: 100.0			
PCB 1016	400	40000 U	UG/KG
PCB 1221	400	40000 U	UG/KG
PCB 1232	400	40000 U	UG/KG
PCB 1242	400	40000 U	UG/KG
PCB 1248	400	40000 U	UG/KG
PCB 1254	400	40000 U	UG/KG
PCB 1260	400	150000	UG/KG

SURROGATE RECOVERIESQC LIMITS

DECACHLOROBIPHENYL

(30 - 150 %)

D

%

TETRACHLORO-META-XYLENE

(30 - 150 %)

D

%

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8080 PCBS

Reported: 09/04/97

Dames & Moore

Project Reference: GE URBAN STREET

Client Sample ID : SUBFLOOR-BULK6

Date Sampled : 08/27/97

Order #: 164727

Sample Matrix: SOLID

Date Received: 08/27/97

Submission #: 9708000310

Analytical Run 19632

ANALYTE	PQL	RESULT	UNITS
---------	-----	--------	-------

DATE EXTRACTED : 08/27/97

DATE ANALYZED : 08/28/97

ANALYTICAL DILUTION: 1.0

PCB 1016	400	400 U	UG/KG
PCB 1221	400	400 U	UG/KG
PCB 1232	400	400 U	UG/KG
PCB 1242	400	400 U	UG/KG
PCB 1248	400	400 U	UG/KG
PCB 1254	400	400 U	UG/KG
PCB 1260	400	1300	UG/KG

SURROGATE RECOVERIESQC LIMITS

DECACHLOROBIPHENYL

(30 - 150 %)

80

%

TETRACHLORO-META-XYLENE

(30 - 150 %)

70

%

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8080 PCBS

Reported: 09/04/97

Dames & Moore

Project Reference: GE URBAN STREET

Client Sample ID : CONFLOOR-BULK1

Date Sampled : 08/27/97

Order #: 164728

Sample Matrix: SOLID

Date Received: 08/27/97

Submission #: 9708000310

Analytical Run 19632

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 08/27/97			
DATE ANALYZED : 08/28/97			
ANALYTICAL DILUTION: 10.0			
PCB 1016	400	4000 U	UG/KG
PCB 1221	400	4000 U	UG/KG
PCB 1232	400	4000 U	UG/KG
PCB 1242	400	4000 U	UG/KG
PCB 1248	400	4000 U	UG/KG
PCB 1254	400	4000 U	UG/KG
PCB 1260	400	7400	UG/KG

SURROGATE RECOVERIES**QC LIMITS**

DECACHLOROBIPHENYL	(30 - 150 %)	134	%
TETRACHLORO-META-XYLENE	(30 - 150 %)	77	%

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8080 PCBS

Reported: 09/04/97

Dames & Moore

Project Reference: GE URBAN STREET

Client Sample ID : CONFLOOR-BULK2

Date Sampled : 08/27/97

Order #: 164729

Sample Matrix: SOLID

Date Received: 08/27/97

Submission #: 9708000310

Analytical Run 19632

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 08/27/97			
DATE ANALYZED : 08/28/97			
ANALYTICAL DILUTION: 10.0			
PCB 1016	400	4000 U	UG/KG
PCB 1221	400	4000 U	UG/KG
PCB 1232	400	4000 U	UG/KG
PCB 1242	400	4000 U	UG/KG
PCB 1248	400	4000 U	UG/KG
PCB 1254	400	4000 U	UG/KG
PCB 1260	400	21000	UG/KG

SURROGATE RECOVERIESQC LIMITS

DECACHLOROBIPHENYL
TETRACHLORO-META-XYLENE

(30 - 150 %)
(30 - 150 %)

108
79

%
%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS

METHOD 8080 PCBS

Reported: 09/04/97

Dames & Moore

Project Reference: GE URBAN STREET

Client Sample ID : SS-208

Date Sampled : 08/26/97

Order #: 164730

Sample Matrix: SOIL/SEDIMENT

Date Received: 08/27/97

Submission #: 9708000310

Percent Solid: 85.7

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 08/28/97			
DATE ANALYZED : 09/02/97			
ANALYTICAL DILUTION: 1.0			Dry Weight
PCB 1016	400	470 U	UG/KG
PCB 1221	400	470 U	UG/KG
PCB 1232	400	470 U	UG/KG
PCB 1242	400	470 U	UG/KG
PCB 1248	400	470 U	UG/KG
PCB 1254	400	470 U	UG/KG
PCB 1260	400	470 U	UG/KG

SURROGATE RECOVERIES

QC LIMITS

DECACHLOROBIPHENYL

(30 - 150 %)

101

%

TETRACHLORO-META-XYLENE

(30 - 150 %)

91

%

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8080 PCBS

Reported: 09/04/97

Dames & Moore

Project Reference: GE URBAN STREET

Client Sample ID : SS-211

Date Sampled : 08/26/97

Order #: 164731

Sample Matrix: SOIL/SEDIMENT

Date Received: 08/27/97

Submission #: 9708000310

Percent Solid: 78.1

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 08/28/97			
DATE ANALYZED : 09/02/97			
ANALYTICAL DILUTION: 1.0			Dry Weight
PCB 1016	400	510 U	UG/KG
PCB 1221	400	510 U	UG/KG
PCB 1232	400	510 U	UG/KG
PCB 1242	400	510 U	UG/KG
PCB 1248	400	510 U	UG/KG
PCB 1254	400	510 U	UG/KG
PCB 1260	400	510 U	UG/KG

SURROGATE RECOVERIESQC LIMITSDECACHLOROBIPHENYL
TETRACHLORO-META-XYLENE(30 - 150 %)
(30 - 150 %)92 %
83 %

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8080 PCBS

Reported: 09/04/97

Project Reference:**Client Sample ID : METHOD BLANK****Date Sampled :****Order #:** 164755**Sample Matrix:** SOLID**Date Received:****Submission #:****Analytical Run** 19632

ANALYTE	PQL	RESULT	UNITS
---------	-----	--------	-------

DATE EXTRACTED : 08/27/97

DATE ANALYZED : 08/28/97

ANALYTICAL DILUTION: 1.0

PCB 1016	400	400 U	UG/KG
PCB 1221	400	400 U	UG/KG
PCB 1232	400	400 U	UG/KG
PCB 1242	400	400 U	UG/KG
PCB 1248	400	400 U	UG/KG
PCB 1254	400	400 U	UG/KG
PCB 1260	400	400 U	UG/KG

SURROGATE RECOVERIESQC LIMITS

DECACHLOROBIPHENYL

(30 - 150 %)

81

%

TETRACHLORO-META-XYLENE

(30 - 150 %)

76

%

COLUMBIA ANALYTICAL SERVICES

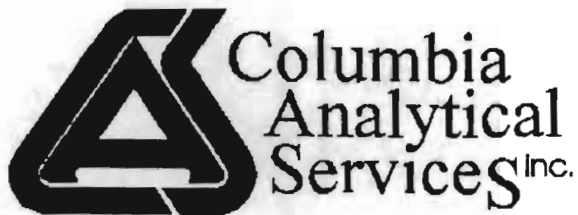
EXTRACTABLE ORGANICS
METHOD 8080 PCBS
Reported: 09/04/97

Project Reference:
Client Sample ID : METHOD BLANK

Date Sampled : **Order #:** 165150 **Sample Matrix:** SOIL/SEDIMENT
Date Received: **Submission #:** **Percent Solid:** 100

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 08/28/97			
DATE ANALYZED : 08/30/97			
ANALYTICAL DILUTION: 1.0			Dry Weight
PCB 1016	400	400 U	UG/KG
PCB 1221	400	400 U	UG/KG
PCB 1232	400	400 U	UG/KG
PCB 1242	400	400 U	UG/KG
PCB 1248	400	400 U	UG/KG
PCB 1254	400	400 U	UG/KG
PCB 1260	400	400 U	UG/KG
<u>SURROGATE RECOVERIES</u>	<u>QC LIMITS</u>		
DECACHLOROBIPHENYL	(30 - 150 %)	50	%
TETRACHLORO-META-XYLENE	(30 - 150 %)	78	%

PROJECT NAME <u>GE URBAN ST.</u>				ANALYSIS REQUESTED																			
PROJECT MANAGER/CONTACT <u>PETESMITH MARK CALNERAUR</u>																							
COMPANY/ADDRESS <u>DAMES & MOORE 306 SOUTHWESTERN</u>																							
<u>BLVD STE 202 ORCHARD PARK, NY 14127</u>																							
TEL (716) <u>675-7130</u> FAX (716) <u>675-7136</u>																							
SAMPLER'S SIGNATURE <u>David Phillips</u>																							
SAMPLE I.D.	DATE	TIME	LAB I.D.	SAMPLE MATRIX	# OF CONTAINERS	GC/MS VOA's □ 8260 □ 624	GC/MS SVOA's □ 8270A □ 625	GC VOA's □ 8010/8020 □ 601/602	PESTICIDES/RCB □ 8080 □ 608	STAR'S LIST 8021 VOA's □ TOTAL □ TCLP	STAR'S LIST 8270 SVOA's □ TOTAL □ TCLP	TCLP □ METALS □ VOA's □ SVOA's □ H/P	WASTE CHARACTERIZATION □ React □ Corros. □ Ignit.	METALS, TOTAL (LIST BELOW)	METALS, DISSOLVED (LIST BELOW)	PRESERVATION							
SS-208	8-26-97	915	164730	SOIL	1												PH < 2.0						
SS-211	8-26-97	922	164731	SOIL	1												PH > 12						
SUBFLOOR-BULK 3	8-27-97	1100	164724	BULK	1												Other						
SUBFLOOR-BULK 4	8-27-97	1105	164725	BULK	1																		
SUBFLOOR-BULK 5	8-27-97	1130	164726	BULK	1																		
SUBFLOOR-BULK 6	8-27-97	1135	164727	BULK	1																		
CONFLOOR-BULK 1	8-27-97	1180	164728	BULK	1																		
CONFLOOR-BULK 2	8-27-97	1185	164729	BULK	1																		
RELINQUISHED BY: <u>David Phillips</u> Signature <u>David Phillips</u> Printed Name <u>David Phillips</u> Firm <u>DAMES & MOORE</u> Date/Time <u>8-27-97 1240</u>				RECEIVED BY: <u>Mike Hastings</u> Signature <u>Mike Hastings</u> Printed Name <u>Mike Hastings</u> Firm <u>CAS</u> Date/Time <u>8-27-97 12:40</u>				TURNAROUND REQUIREMENTS <u>24</u> hr. <u>8</u> hr. <u>5</u> day Standard (10-15 working days) Provide Verbal Preliminary Results Provide FAX Preliminary Results Requested Report Date _____				REPORT REQUIREMENTS 1. Routine Report 2. Routine Rep. w/CASE Narrative 3. EPA Level III Validatable Package 4. N.J. Reduced Deliverables Level IV 5. NY ASP/CLP Deliverables 6. Site specific QC.				INVOICE INFORMATION: P.O. #: Bill To: Shipping Via: Shipping #: Temperature: Submission No: <u>978-310</u>				SAMPLE RECEIPT:			
RELINQUISHED BY: <u>Mike Hastings</u> Signature <u>Mike Hastings</u> Printed Name <u>Mike Hastings</u> Firm <u>CAS</u> Date/Time <u>8-27-97 3:15</u>				RECEIVED BY: <u>Mike Hastings</u> Signature <u>Mike Hastings</u> Printed Name <u>Mike Hastings</u> Firm <u>CAS</u> Date/Time <u>8-27-97 15:15</u>				SPECIAL INSTRUCTIONS/COMMENTS: METALS ORGANICS: ☐ TCL ☐ PPL ☐ AE Only ☐ BN Only ☐ Special List <u>Immediate TAT on BULK SAMPLES!</u>															
RELINQUISHED BY: <u>Mike Hastings</u> Signature <u>Mike Hastings</u> Printed Name <u>Mike Hastings</u> Firm <u>CAS</u> Date/Time <u>8-27-97 3:15</u>				RECEIVED BY: <u>Mike Hastings</u> Signature <u>Mike Hastings</u> Printed Name <u>Mike Hastings</u> Firm <u>CAS</u> Date/Time <u>8-27-97 15:15</u>				65 RAMAPO VALLEY ROAD MAHWAH, NJ 07430 201-512-3292 FAX 201-512-3362 309 WEST RIDLEY AVE. RIDLEY PARK, PA 19078 610-521-3083 FAX 610-521-4589															



A FULL SERVICE ENVIRONMENTAL LABORATORY

September 4, 1997

RECEIVED
Dames & Moore

SEP 10 1997

File # _____

Mr. Mark Colmerauer
Dames & Moore
3065 Southwestern Blvd.
Orchard Park, NY 14127

PROJECT:GE URBAN STREET
Submission #:9708000225

Dear Mr. Colmerauer:

Enclosed are the analytical results of the analyses requested. The analytical data was provided to you on 08/27/97 per a Facsimile transmittal. All data has been reviewed prior to report submission.

Should you have any questions please contact me at (716) 288-5380.

Thank you for letting us provide this service.

Sincerely,

COLUMBIA ANALYTICAL SERVICES

Mark Wilson
Client Service Manager

Enc.

This package has been reviewed by Columbia Analytical Services' QA Department/Laboratory Director prior to report submittal.

1 Mustard St. • Suite 250 • Rochester, NY 14608 • Tele:(716)288-5380 • Fax:(716)288-8475
65 Ramo Vally Rd. • Suite 16 • Mahwah, NJ 07430 • Tele:(201)512-3292 • Fax:(201)512-3362
12699 Roll Rd. • Akron, NY 14001 • Tele:(716)542-1264 • Fax:(716)542-3353



Effective 04/01/96

CAS LIST OF QUALIFIERS

(The basis of this proposal are the EPA-CLP Qualifiers)

- U - Indicates compound was analyzed for but was not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.
- J - Indicates an estimated value. For further explanation see case narrative / cover letter.
- B - This flag is used when the analyte is found in the associated blank as well as in the sample.
- E - This flag identifies compounds whose concentrations exceed the calibration range.
- A - This flag indicates that a TIC is a suspected aldol-condensation product.
- N - Spiked sample recovery not within control limits.
(Flag the entire batch - Inorganic analysis only)
- * - Duplicate analysis not within control limits.
(Flag the entire batch - Inorganic analysis only)
 - Also used to qualify Organics QC data outside limits.
- D - Spike diluted out.
- S - Reported value determined by Method of Standard Additions. (MSA)
- X - As specified in the case narrative.

CAS Lab ID # for State Certifications

NY ID # in Rochester: 10145
CT ID # in Rochester: PH0556
MA ID # in Rochester: M-NY032

NJ ID # in Rochester: 73004
RI ID # in Rochester: 158

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8080 PCBS
Reported: 09/04/97

Dames & Moore
Project Reference: GE URBAN STREET
Client Sample ID : E.MANHOLE

Date Sampled : 08/19/97 Order #: 163417 Sample Matrix: SOIL/SEDIMENT
Date Received: 08/19/97 Submission #: 9708000225 Percent Solid: 80.0

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 08/21/97			
DATE ANALYZED : 08/25/97			
ANALYTICAL DILUTION: 500.0			Dry Weight
PCB 1016	400	250000 U	UG/KG
PCB 1221	400	250000 U	UG/KG
PCB 1232	400	250000 U	UG/KG
PCB 1242	400	250000 U	UG/KG
PCB 1248	400	250000 U	UG/KG
PCB 1254	400	250000 U	UG/KG
PCB 1260	400	810000	UG/KG

<u>SURROGATE RECOVERIES</u>	<u>QC LIMITS</u>		
DECACHLOROBIPHENYL	(30 - 150 %)	D	%
TETRACHLORO-META-XYLENE	(30 - 150 %)	D	%

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8080 PCBS

Reported: 09/04/97

Dames & Moore

Project Reference: GE URBAN STREET

Client Sample ID : W.MANHOLE

Date Sampled : 08/19/97

Order #: 163418

Sample Matrix: SOIL/SEDIMENT

Date Received: 08/19/97

Submission #: 9708000225

Percent Solid: 80.5

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 08/21/97			
DATE ANALYZED : 08/25/97			
ANALYTICAL DILUTION: 1.0			Dry Weight
PCB 1016	400	500 U	UG/KG
PCB 1221	400	500 U	UG/KG
PCB 1232	400	500 U	UG/KG
PCB 1242	400	500 U	UG/KG
PCB 1248	400	500 U	UG/KG
PCB 1254	400	500 U	UG/KG
PCB 1260	400	500 U	UG/KG
SURROGATE RECOVERIES	QC LIMITS		
DECACHLOROBIPHENYL	(30 - 150 %)	88	%
TETRACHLORO-META-XYLENE	(30 - 150 %)	91	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS

METHOD 8080 PCBS

Reported: 09/04/97

Dames & Moore

Project Reference: GE URBAN STREET

Client Sample ID : SUBFLOOR-BULK1

Date Sampled : 08/19/97 Order #: 163419 Sample Matrix: SOLID
Date Received: 08/19/97 Submission #: 9708000225 Analytical Run 19480

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 08/21/97			
DATE ANALYZED : 08/25/97			
ANALYTICAL DILUTION: 5000.0			
PCB 1016	400	2000000 U	UG/KG
PCB 1221	400	2000000 U	UG/KG
PCB 1232	400	2000000 U	UG/KG
PCB 1242	400	2000000 U	UG/KG
PCB 1248	400	2000000 U	UG/KG
CB 1254	400	2000000 U	UG/KG
PCB 1260	400	11000000	UG/KG

SURROGATE RECOVERIES

DECACHLOROBIPHENYL
TETRACHLORO-META-XYLENE

QC LIMITS

(30 - 150 %)
(30 - 150 %)

D %
D %

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8080 PCBS

Reported: 09/04/97

Dames & Moore

Project Reference: GE URBAN STREET

Client Sample ID : SUBFLOOR-BULK2

Date Sampled : 08/19/97

Order #: 163420

Sample Matrix: SOLID

Date Received: 08/19/97

Submission #: 9708000225

Analytical Run 19480

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 08/21/97			
DATE ANALYZED : 08/25/97			
ANALYTICAL DILUTION: 50.0			
PCB 1016	400	20000 U	UG/KG
PCB 1221	400	20000 U	UG/KG
PCB 1232	400	20000 U	UG/KG
PCB 1242	400	20000 U	UG/KG
PCB 1248	400	20000 U	UG/KG
PCB 1254	400	20000 U	UG/KG
PCB 1260	400	30000	UG/KG

SURROGATE RECOVERIESQC LIMITS

DECACHLOROBIPHENYL

(30 - 150 %)

D

%

TETRACHLORO-META-XYLENE

(30 - 150 %)

D

%

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8080 PCBs

Reported: 09/04/97

Dames & Moore

Project Reference: GE URBAN STREET

Client Sample ID : E.WALLB-BULK1

Date Sampled : 08/19/97 Order #: 163421 Sample Matrix: SOLID
Date Received: 08/19/97 Submission #: 9708000225 Analytical Run 19480

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED	: 08/21/97		
DATE ANALYZED	: 08/26/97		
ANALYTICAL DILUTION:	1.0		
PCB 1016	400	400 U	UG/KG
PCB 1221	400	400 U	UG/KG
PCB 1232	400	400 U	UG/KG
PCB 1242	400	400 U	UG/KG
PCB 1248	400	400 U	UG/KG
PCB 1254	400	400 U	UG/KG
PCB 1260	400	490	UG/KG

SURROGATE RECOVERIES**QC LIMITS**

DECACHLOROBIPHENYL
TETRACHLORO-META-XYLENE

(30 - 150 %)
(30 - 150 %)

78
80

%
%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS

METHOD 8080 PCBS

Reported: 09/04/97

Project Reference:

Client Sample ID : METHOD BLANK

Date Sampled :

Order #: 163814

Sample Matrix: SOIL/SEDIMENT

Date Received:

Submission #:

Percent Solid: 100

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 08/19/97			
DATE ANALYZED : 08/22/97			
ANALYTICAL DILUTION: 1.0			Dry Weight
PCB 1016	400	400 U	UG/KG
PCB 1221	400	400 U	UG/KG
PCB 1232	400	400 U	UG/KG
PCB 1242	400	400 U	UG/KG
PCB 1248	400	400 U	UG/KG
PCB 1254	400	400 U	UG/KG
PCB 1260	400	400 U	UG/KG

SURROGATE RECOVERIES

QC LIMITS

DECACHLOROBIPHENYL
TETRACHLORO-META-XYLENE

(30 - 150 %)
(30 - 150 %)

85 %
88 %

CC AMBIA ANALYTICAL SERVICES, INC.
1 Mustard St., Suite 250, P.O. Box 90859, Rochester, NY 14609-01
(716) 288-5380 • FAX (716) 288-8475

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM
(800) 695-7222
DATE 8/19/97 PAGE 1 OF 1

PROJECT NAME <u>G.E. URBAN STREET</u>				ANALYSIS REQUESTED																			
PROJECT MANAGER/CONTACT <u>PETER SMITH / MARK CALMER AUR</u>																							
COMPANY/ADDRESS <u>ORCHARD PARK, NY 14127</u>																							
TEL (716) 675-7130 FAX (716) 675-7136																							
SAMPLER'S SIGNATURE <u>Brad Phillips</u>																							
SAMPLE I.D.	DATE	TIME	LAB I.D.	SAMPLE MATRIX	# OF CONTAINERS	GC/MS VOAs □ 8260 □ 624	GC/MS SVOAs □ 8270A □ 625	GC VOAs □ 8010/8020 □ 601/602	PESTICIDES PCBs □ 8080 □ 608	STARS LIST 8021 VOAs □ TOTAL □ TCLP	STARS LIST 8270 SVOAs □ TOTAL □ TCLP	TCLP □ METALS □ VOAs □ SVOAs □ H/P	WASTE CHARACTERIZATION □ React □ Corros. □ Ignit.	METALS, TOTAL (LIST BELOW)	METALS, DISSOLVED (LIST BELOW)	PRESERVATION							
E. MANHOLE	8/19/97	830	163417	Sediment	1												PH < 2.0						
W. MANHOLE	8/19/97	845	163418	Sediment	1												PH > 12						
SUB FLOOR-BOX 1	8/19/97	915	163419	BOILS	1												Other						
SUB FLOOR-BOX 2	8/19/97	915	163420	BOILS	1																		
E. WALL 13-BOX 1	8/19/97	920	163421	BOILS	1																		
RELINQUISHED BY: <u>Mark Calmer</u> Signature <u>Mike Scandura</u> Printed Name <u>CAS</u> Firm <u>8-19-97 12:00</u> Date/Time				RECEIVED BY: <u>Mike Scandura</u> Signature <u>Mike Scandura</u> Printed Name <u>CAS</u> Firm <u>8-19-97 12:00</u> Date/Time				TURNAROUND REQUIREMENTS 24 hr. <u>48 hr.</u> <u>5 day</u> Standard (10-15 working days) Provide Verbal Preliminary Results Provide FAX Preliminary Results Requested Report Date				REPORT REQUIREMENTS 1. Routine Report 2. Routine Rep. w/CASE Narrative 3. EPA Level III Validatable Package 4. N.J. Reduced Deliverables Level IV 5. NY ASP/CLP Deliverables 6. Site specific QC.				INVOICE INFORMATION: P.O. #: <u>CAS</u> Bill To: <u>NA</u> Shipping Via: <u>CAS</u> Shipping #: <u>NA</u> Temperature: <u>NA</u> Submission No: <u>97-8-225</u>				SAMPLE RECEIPT:			
RELINQUISHED BY: <u>Mike Scandura</u> Signature <u>Mike Scandura</u> Printed Name <u>CAS</u> Firm <u>8-19-97 2:45</u> Date/Time				RECEIVED BY: <u>Mike Scandura</u> Signature <u>Mike Scandura</u> Printed Name <u>CAS</u> Firm <u>8-19-97 2:45</u> Date/Time				SPECIAL INSTRUCTIONS/COMMENTS: METALS ORGANICS: ☐ TCL ☐ PPL ☐ AE Only ☐ BN Only ☐ Special List															
RELINQUISHED BY: <u>Mike Scandura</u> Signature <u>Mike Scandura</u> Printed Name <u>CAS</u> Firm <u>8-19-97 2:45</u> Date/Time				RECEIVED BY: <u>Mike Scandura</u> Signature <u>Mike Scandura</u> Printed Name <u>CAS</u> Firm <u>8-19-97 2:45</u> Date/Time				65 RAMAPO VALLEY ROAD MAHWAH, NJ 07430 201-512-3292 FAX 201-512-3362 309 WEST RIDLEY AVE. RIDLEY PARK, PA 19078 610-521-3083 FAX 610-521-4589															



A FULL SERVICE ENVIRONMENTAL LABORATORY

September 9, 1997

RECEIVED
Dames & Moore

SEP 15 1997

File # _____

Mr. Mark Colmerauer
Dames & Moore
3065 Southwestern Blvd.
Orchard Park, NY 14127

PROJECT:GE URBAN STREET
Submission #:9708000333

Dear Mr. Colmerauer:

Enclosed are the analytical results of the analyses requested. The analytical data was provided to you on 09/04/97 per a Facsimile transmittal. All data has been reviewed prior to report submission.

Should you have any questions please contact me at (716) 288-5380.

Thank you for letting us provide this service.

Sincerely,

COLUMBIA ANALYTICAL SERVICES

Mark Wilson
Client Service Manager

Enc.

This package has been reviewed by Columbia Analytical Services' QA Department/Laboratory Director prior to report submittal.



Effective 04/01/96

CAS LIST OF QUALIFIERS

(The basis of this proposal are the EPA-CLP Qualifiers)

- U - Indicates compound was analyzed for but was not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.
- J - Indicates an estimated value. For further explanation see case narrative / cover letter.
- B - This flag is used when the analyte is found in the associated blank as well as in the sample.
- E - This flag identifies compounds whose concentrations exceed the calibration range.
- A - This flag indicates that a TIC is a suspected aldol-condensation product.
- N - Spiked sample recovery not within control limits.
(Flag the entire batch - Inorganic analysis only)
- * - Duplicate analysis not within control limits.
(Flag the entire batch - Inorganic analysis only)
 - Also used to qualify Organics QC data outside limits.
- D - Spike diluted out.
- S - Reported value determined by Method of Standard Additions. (MSA)
- X - As specified in the case narrative.

CAS Lab ID # for State Certifications

NY ID # in Rochester: 10145
CT ID # in Rochester: PH0556
MA ID # in Rochester: M-NY032

NJ ID # in Rochester: 73004
RI ID # in Rochester: 158

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS

METHOD 8080 PCBS

Reported: 09/09/97

Dames & Moore

Project Reference: GE URBAN STREET

Client Sample ID : SS-228

Date Sampled : 08/29/97

Order #: 165099

Sample Matrix: SOIL/SEDIMENT

Date Received: 08/29/97

Submission #: 9708000333

Percent Solid: 78.7

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 09/02/97			
DATE ANALYZED : 09/04/97			
ANALYTICAL DILUTION: 1.0			Dry Weight
PCB 1016	400	510 U	UG/KG
PCB 1221	400	510 U	UG/KG
PCB 1232	400	510 U	UG/KG
PCB 1242	400	510 U	UG/KG
PCB 1248	400	510 U	UG/KG
PCB 1254	400	510 U	UG/KG
PCB 1260	400	2300	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
DECACHLOROBIPHENYL	(30 - 150 %)	73	%
TETRACHLORO-META-XYLENE	(30 - 150 %)	84	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS

METHOD 8080 PCBS

Reported: 09/09/97

Project Reference:

Client Sample ID : METHOD BLANK

Date Sampled :

Order #: 165434

Sample Matrix: SOIL/SEDIMENT

Date Received:

Submission #:

Percent Solid: 100

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 09/02/97			
DATE ANALYZED : 09/04/97			
ANALYTICAL DILUTION: 1.0			Dry Weight
PCB 1016	400	400 U	UG/KG
PCB 1221	400	400 U	UG/KG
PCB 1232	400	400 U	UG/KG
PCB 1242	400	400 U	UG/KG
PCB 1248	400	400 U	UG/KG
PCB 1254	400	400 U	UG/KG
PCB 1260	400	400 U	UG/KG

SURROGATE RECOVERIES

QC LIMITS

DECACHLOROBIPHENYL
TETRACHLORO-META-XYLENE

(30 - 150 %)
(30 - 150 %)

83 %
92 %

[illegible]



A FULL SERVICE ENVIRONMENTAL LABORATORY

September 10, 1997

RECEIVED
Dames & Moore

SEP 15 1997

Mr. Mark Colmerauer
Dames & Moore
3065 Southwestern Blvd.
Orchard Park, NY 14127

File# _____

PROJECT:GE URBAN STREET
Submission #:9709000089

Dear Mr. Colmerauer

Enclosed are the analytical results of the analyses requested. All data has been reviewed prior to report submission. Should you have any questions please contact me at (716) 288-5380.

Thank you for letting us provide this service.

Sincerely,

COLUMBIA ANALYTICAL SERVICES

A handwritten signature in cursive script, appearing to read 'Mark Wilson'.

Mark Wilson
Client Service Manager

Enc.

This package has been reviewed by Columbia Analytical Services' QA Department/Laboratory Director prior to report submittal. A handwritten signature in cursive script, appearing to read 'Michael K. Perry'.

1 Mustard St. • Suite 250 • Rochester, NY 14609 • Tele:(716)288-5380 • Fax:(716)288-8475
65 Ramapo Valley Rd. • Suite 16 • Mahwah, NJ 07430 • Tele:(201)512-3292 • Fax:(201)512-3362
12699 Roll Rd. • Akron, NY 14001 • Tele:(716)542-1264 • Fax:(716)542-3353



Effective 04/01/96

CAS LIST OF QUALIFIERS

(The basis of this proposal are the EPA-CLP Qualifiers)

- U - Indicates compound was analyzed for but was not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.
- J - Indicates an estimated value. For further explanation see case narrative / cover letter.
- B - This flag is used when the analyte is found in the associated blank as well as in the sample.
- E - This flag identifies compounds whose concentrations exceed the calibration range.
- A - This flag indicates that a TIC is a suspected aldol-condensation product.
- N - Spiked sample recovery not within control limits.
(Flag the entire batch - Inorganic analysis only)
- * - Duplicate analysis not within control limits.
(Flag the entire batch - Inorganic analysis only)
 - Also used to qualify Organics QC data outside limits.
- D - Spike diluted out.
- S - Reported value determined by Method of Standard Additions. (MSA)
- X - As specified in the case narrative.

CAS Lab ID # for State Certifications

NY ID # in Rochester: 10145
CT ID # in Rochester: PH0556
MA ID # in Rochester: M-NY032

NJ ID # in Rochester: 73004
RI ID # in Rochester: 158

COLUMBIA ANALYTICAL SERVICESANALYTICAL REPORT SUMMARY

METHOD 8081 PCB'S

REPORTED UNITS: UG/KG

Dames & Moore

GE URBAN STREET

SUBMISSION #: 9709000089

ORDER NUMBER		166019	166020	166021	166022
SAMPLE ID:		CORE 1B	CORE 2B	CORE 3B TOP	CORE 3B BOTTOM
DATE SAMPLED:		09/04/1997	09/04/1997	09/04/1997	09/04/1997
DATE RECEIVED:	PQL	09/05/1997	09/05/1997	09/05/1997	09/05/1997
DATE EXTRACTED:		09/05/97	09/05/97	09/05/97	09/05/97
DATE ANALYZED:		9/06/97	9/06/97	9/06/97	9/06/97
DILUTION:		10.0	10.0	100.0	5.0
PERCENT SOLID (%):					
PCB 1016	250	2500 U	2500 U	25000 U	1300 U
PCB 1221	250	2500 U	2500 U	25000 U	1300 U
PCB 1232	250	2500 U	2500 U	25000 U	1300 U
PCB 1242	250	2500 U	2500 U	25000 U	1300 U
CB 1248	250	2500 U	2500 U	25000 U	1300 U
PCB 1254	250	2500 U	2500 U	25000 U	1300 U
PCB 1260	250	14000	9900	200000	3500
SURROGATE RECOVERIES	LIMITS				
DECACHLOROBIPHENYL	30 - 150	110	104	D	85
TETRACHLORO-META-XYLENE	30 - 150	96	91	D	72

COLUMBIA ANALYTICAL SERVICES

ANALYTICAL REPORT SUMMARY

METHOD 8081 PCB'S

REPORTED UNITS: UG/KG

Dames & Moore
 GE URBAN STREET
 SUBMISSION #: 9709000089

ORDER NUMBER		166023	166024	166025	166026
SAMPLE ID:		CORE 4B	CORE 5B	CORE 6B	CORE 7B
DATE SAMPLED:		09/04/1997	09/04/1997	09/04/1997	09/04/1997
DATE RECEIVED:	PQL	09/05/1997	09/05/1997	09/05/1997	09/05/1997
DATE EXTRACTED:		09/05/97	09/05/97	09/05/97	09/05/97
DATE ANALYZED:		9/06/97	9/06/97	9/06/97	9/06/97
DILUTION:		10.0	10.0	100.0	100.0
PERCENT SOLID (%):					
PCB 1016	250	2500 U	2500 U	25000 U	25000 U
PCB 1221	250	2500 U	2500 U	25000 U	25000 U
PCB 1232	250	2500 U	2500 U	25000 U	25000 U
PCB 1242	250	2500 U	2500 U	25000 U	1400000
CB 1248	250	2500 U	2500 U	25000 U	25000 U
PCB 1254	250	2500 U	2500 U	25000 U	25000 U
PCB 1260	250	6000	12000	370000	210000
SURROGATE RECOVERIES	LIMITS				
DECACHLOROBIPHENYL	30 - 150	105	106	D	D
TETRACHLORO-META-XYLENE	30 - 150	94	89	D	D

COLUMBIA ANALYTICAL SERVICES

ANALYTICAL REPORT SUMMARY

METHOD 8081 PCB'S

REPORTED UNITS: UG/KG

Dames & Moore

GE URBAN STREET

SUBMISSION #: 9709000089

ORDER NUMBER		166027	166028	166029	166030
SAMPLE ID:		CORE 88	CORE 98	CORE 108	CORE 1A
DATE SAMPLED:		09/04/1997	09/04/1997	09/04/1997	09/04/1997
DATE RECEIVED:	PQL	09/05/1997	09/05/1997	09/05/1997	09/05/1997
DATE EXTRACTED:		09/05/97	09/05/97	09/05/97	09/05/97
DATE ANALYZED:		9/06/97	9/06/97	9/06/97	9/06/97
DILUTION:		1.0	1.0	1.0	10.0
PERCENT SOLID (%):					
PCB 1016	250	250 U	250 U	250 U	2500 U
PCB 1221	250	250 U	250 U	250 U	2500 U
PCB 1232	250	250 U	250 U	250 U	2500 U
PCB 1242	250	1300	250 U	250 U	2500 U
CB 1248	250	250 U	250 U	250 U	2500 U
PCB 1254	250	250 U	250 U	250 U	2500 U
PCB 1260	250	550	780	2300	21000
SURROGATE RECOVERIES	LIMITS				
DECACHLOROBIPHENYL	30 - 150	80	84	70	108
TETRACHLORO-META-XYLENE	30 - 150	88	89	62	88

COLUMBIA ANALYTICAL SERVICES

ANALYTICAL REPORT SUMMARY

METHOD 8081 PCB'S

REPORTED UNITS: UG/KG

Dames & Moore

GE URBAN STREET

SUBMISSION #: 9709000089

ORDER NUMBER		166031	166032	166033	166034
SAMPLE ID:		CORE 2A	CORE 3A TOP	CORE 3A BOTTOM	CORE 4A
DATE SAMPLED:		09/04/1997	09/04/1997	09/04/1997	09/04/1997
DATE RECEIVED:	PQL	09/05/1997	09/05/1997	09/05/1997	09/05/1997
DATE EXTRACTED:		09/05/97	09/07/97	09/05/97	09/05/97
DATE ANALYZED:		9/07/97	9/08/97	9/07/97	9/07/97
DILUTION:		10.0	1000.0	10.0	100.0
PERCENT SOLID (%):					
PCB 1016	250	2500 U	250000 U	2500 U	25000 U
PCB 1221	250	2500 U	250000 U	2500 U	25000 U
PCB 1232	250	2500 U	250000 U	2500 U	25000 U
PCB 1242	250	2500 U	250000 U	2500 U	25000 U
CB 1248	250	2500 U	250000 U	2500 U	25000 U
PCB 1254	250	2500 U	250000 U	2500 U	25000 U
PCB 1260	250	12000	1000000	9000	300000

SURROGATE RECOVERIES

LIMITS

DECACHLOROBIPHENYL	30 - 150	114	D	105	D
TETRACHLORO-META-XYLENE	30 - 150	93	D	78	D

COLUMBIA ANALYTICAL SERVICES

ANALYTICAL REPORT SUMMARY

METHOD 8081 PCB'S

REPORTED UNITS: UG/KG

Dames & Moore

GE URBAN STREET

SUBMISSION #: 9709000089

ORDER NUMBER		166035	166036	166037	166038
SAMPLE ID:		CORE 5A	CORE 6A	CORE 7A	CORE 8A
DATE SAMPLED:		09/04/1997	09/04/1997	09/04/1997	09/04/1997
DATE RECEIVED:	PQL	09/05/1997	09/05/1997	09/05/1997	09/05/1997
DATE EXTRACTED:		09/05/97	09/05/97	09/05/97	09/05/97
DATE ANALYZED:		9/07/97	9/07/97	9/07/97	9/07/97
DILUTION:		10.0	1.0	100.0	10.0
PERCENT SOLID (%):					
PCB 1016	250	2500 U	250 U	25000 U	2500 U
PCB 1221	250	2500 U	250 U	25000 U	2500 U
PCB 1232	250	2500 U	250 U	25000 U	2500 U
PCB 1242	250	2500 U	250 U	2500000	2500 U
PCB 1248	250	2500 U	250 U	25000 U	2500 U
PCB 1254	250	2500 U	250 U	25000 U	2500 U
PCB 1260	250	11000	850	310000	9100
SURROGATE RECOVERIES	LIMITS				
DECACHLOROBIPHENYL	30 - 150	109	74	D	86
TETRACHLORO-META-XYLENE	30 - 150	86	74	D	78

ANALYTICAL REPORT SUMMARY

METHOD 8081 PCB'S

REPORTED UNITS: UG/KG

Dames & Moore

GE URBAN STREET

SUBMISSION #: 9709000089

ORDER NUMBER		166039	166040
SAMPLE ID:		CORE 9A	CORE 10A
DATE SAMPLED:		09/04/1997	09/04/1997
DATE RECEIVED:	PQL	09/05/1997	09/05/1997
DATE EXTRACTED:		09/05/97	09/05/97
DATE ANALYZED:		9/07/97	9/07/97
DILUTION:		1.0	1.0
PERCENT SOLID (%):			
PCB 1016	250	250 U	250 U
PCB 1221	250	250 U	250 U
PCB 1232	250	250 U	250 U
PCB 1242	250	250 U	250 U
PCB 1248	250	250 U	250 U
PCB 1254	250	250 U	250 U
PCB 1260	250	1600	2300

SURROGATE RECOVERIES	LIMITS		
DECACHLOROBIPHENYL	30 - 150	70	66
TETRACHLORO-META-XYLENE	30 - 150	75	59

ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8081 PCB'S

Reported: 09/10/97

Project Reference:**Client Sample ID : METHOD BLANK****Date Sampled :****Order #: 166250****Sample Matrix: SOLID****Date Received:****Submission #:****Analytical Run 19874**

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 09/05/97			
DATE ANALYZED : 09/07/97			
ANALYTICAL DILUTION: 1.0			
PCB 1016	250	250 U	UG/KG
PCB 1221	250	250 U	UG/KG
PCB 1232	250	250 U	UG/KG
PCB 1242	250	250 U	UG/KG
PCB 1248	250	250 U	UG/KG
PCB 1254	250	250 U	UG/KG
PCB 1260	250	250 U	UG/KG

SURROGATE RECOVERIES**QC LIMITS**DECACHLOROBIPHENYL
TETRACHLORO-META-XYLENE(30 - 150 %)
(30 - 150 %)83 %
88 %

CH-34

GENERAL TESTING CORPORATION

Affiliated With CAS, Kelso, WA (see below for other offices)

710 Exchange Street, Rochester, New York 14608

(716) 454-3760 • FAX (716) 454-1245

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

(800) 695-7222

DATE 9/4/97 PAGE 3 OF 3

PROJECT NAME GEORGE J. BARN ST.

PROJECT MANAGER/CONTACT PETE SMITH / MARK C

COMPANY/ADDRESS DAMES & MOORE / 306 S SATH WESTERN BLDG.

ORCHARD PARK, NY 14127

TEL (716) 675-7130 FAX (716) 675-7136

SAMPLER'S SIGNATURE [Signature]

SAMPLE I.D. DATE TIME LAB I.D. SAMPLE MATRIX

CORE 9 A 9/4/97 1600 166039 BULK

CORE 10 A " 1610 166040 BULK

ANALYSIS REQUESTED

NUMBER OF CONTAINERS 1

GC/MS VOA's ☐ 8260 ☐ 624

GC/MS SVOA's ☐ 8270A ☐ 625

GC VOA's ☐ 8010/8020 ☐ 601/602

PESTICIDES/PCBs ☐ 8080 ☐ 608

STAR'S LIST 8021 VOA's ☐ TOTAL ☐ TCLP

STAR'S LIST 8270 SVOA's ☐ TOTAL ☐ TCLP

TCLP ☐ METALS

VOA's ☐ SVOA's ☐ H/P

WASTE CHARACTERIZATION ☐ React ☐ Corros. ☐ Ignit.

METALS, TOTAL (LIST BELOW)

METALS, DISSOLVED (LIST BELOW)

RELINQUISHED BY:

[Signature]
Signature
MARK C. WILSON
Printed Name
Dan
Firm

RECEIVED BY:

[Signature]
Signature
Tom Hastings
Printed Name
CHS
Firm

Date/Time 9-4-97 545

Date/Time 9/5/97 0930

RELINQUISHED BY:

Signature
Printed Name
Firm

RECEIVED BY:

Signature
Printed Name
Firm

TURNAROUND REQUIREMENTS

24 hr. 48 hr. 5 day

☐ Standard (10-15 working days)

☐ Provide Verbal Preliminary Results

☐ Provide FAX Preliminary Results

Requested Report Date _____

REPORT REQUIREMENTS

☐ 1. Routine Report

☐ 2. Routine Rep. w/CASE Narrative

☐ 3. EPA Level III Validatable Package

☐ 4. N.J. Reduced Deliverables Level IV

☐ 5. NY ASP/CLP Deliverables

☐ 6. Site specific QC.

INVOICE INFORMATION:

P.O. # _____

Bill To: _____

SAMPLE RECEIPT:

Shipping Via: _____

Shipping #: 1892

Temperature: _____

Submission No: 97-9-83

SPECIAL INSTRUCTIONS/COMMENTS:

METALS:

ORGANICS: ☐ TCL ☐ PPL ☐ AE Only ☐ BN Only ☐ Special List

Date/Time

Date/Time

85 TRINITY PLACE
HACKENSACK, NJ 07601

201-488-5242
FAX 201-488-6386

435 LAWRENCE BELL DR.
AMHERST, NY 14221

716-634-0454
FAX 716-634-9019



A FULL SERVICE ENVIRONMENTAL LABORATORY

September 25, 1997

RECEIVED
Dames & Moore

SEP 29 1997

File # _____

Mr. Mark Colmerauer
Dames & Moore
3065 Southwestern Blvd.
Orchard Park, NY 14127

PROJECT:GE URBAN STREET
Submission #:9709000239

Dear Mr. Colmerauer:

Enclosed are the analytical results of the analyses requested. The analytical data was provided to you on 09/25/97 per a Facsimile transmittal. All data has been reviewed prior to report submission.

Should you have any questions please contact me at (716) 288-5380.

Thank you for letting us provide this service.

Sincerely,

COLUMBIA ANALYTICAL SERVICES

Mark Wilson
Client Service Manager

Enc.

This package has been reviewed by Columbia Analytical Services' QA Department/Laboratory Director prior to report submittal.

1 Mustard St. • Suite 250 • Rochester, NY 14608 • Tele:(716)288-5380 • Fax:(716)288-8475
65 Rambo Vally Rd. • Suite 16 • Mahwah, NJ 07430 • Tele:(201)512-3292 • Fax:(201)512-3362
12699 Roll Rd. • Akron, NY 14001 • Tele:(716)542-1264 • Fax:(716)542-3353



Effective 04/01/96

CAS LIST OF QUALIFIERS

(The basis of this proposal are the EPA-CLP Qualifiers)

- U - Indicates compound was analyzed for but was not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.
- J - Indicates an estimated value. For further explanation see case narrative / cover letter.
- B - This flag is used when the analyte is found in the associated blank as well as in the sample.
- E - This flag identifies compounds whose concentrations exceed the calibration range.
- A - This flag indicates that a TIC is a suspected aldol-condensation product.
- N - Spiked sample recovery not within control limits.
(Flag the entire batch - Inorganic analysis only)
- * - Duplicate analysis not within control limits.
(Flag the entire batch - Inorganic analysis only)
 - Also used to qualify Organics QC data outside limits.
- D - Spike diluted out.
- S - Reported value determined by Method of Standard Additions. (MSA)
- X - As specified in the case narrative.

CAS Lab ID # for State Certifications

NY ID # in Rochester: 10145
CT ID # in Rochester: PH0556
MA ID # in Rochester: M-NY032

NJ ID # in Rochester: 73004
RI ID # in Rochester: 158

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8081 PCB'S

Reported: 09/25/97

Dames & Moore

Project Reference: GE URBAN STREET

Client Sample ID : MH-FRENCH

Date Sampled : 09/17/97

Order #: 168264

Sample Matrix: SOIL/SEDIMENT

Date Received: 09/18/97

Submission #: 9709000239

Percent Solid: 65.8

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 09/19/97			
DATE ANALYZED : 09/24/97			
ANALYTICAL DILUTION: 1052.6			Dry Weight
PCB 1016	17	27000 U	UG/KG
PCB 1221	17	27000 U	UG/KG
PCB 1232	17	27000 U	UG/KG
PCB 1242	17	27000 U	UG/KG
PCB 1248	17	27000 U	UG/KG
PCB 1254	17	27000 U	UG/KG
PCB 1260	17	91000	UG/KG

SURROGATE RECOVERIESQC LIMITSDECACHLOROBIPHENYL
TETRACHLORO-META-XYLENE(30 - 150 %)
(30 - 150 %)D %
D %

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8081 PCB'S

Reported: 09/25/97

Dames & Moore

Project Reference: GE URBAN STREET

Client Sample ID : MH-FRENCH+MOSELLE

Date Sampled : 09/17/97

Order #: 168265

Sample Matrix: SOIL/SEDIMENT

Date Received: 09/18/97

Submission #: 9709000239

Percent Solid: 66.6

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 09/19/97			
DATE ANALYZED : 09/24/97			
ANALYTICAL DILUTION: 200.0			Dry Weight
PCB 1016	17	5100 U	UG/KG
PCB 1221	17	5100 U	UG/KG
PCB 1232	17	5100 U	UG/KG
PCB 1242	17	5100 U	UG/KG
PCB 1248	17	5100 U	UG/KG
PCB 1254	17	5100 U	UG/KG
PCB 1260	17	38000	UG/KG

SURROGATE RECOVERIESQC LIMITSDECACHLOROBIPHENYL
TETRACHLORO-META-XYLENE(30 - 150 %)
(30 - 150 %)D %
D %

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS****METHOD 8081 PCB'S****Reported: 09/25/97****Dames & Moore****Project Reference: GE URBAN STREET****Client Sample ID : MH-MOSELLE****Date Sampled : 09/17/97****Order #: 168266****Sample Matrix: SOIL/SEDIMENT****Date Received: 09/18/97****Submission #: 9709000239****Percent Solid: 74.5**

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 09/19/97			
DATE ANALYZED : 09/24/97			
ANALYTICAL DILUTION: 100.0			Dry Weight
PCB 1016	17	2300 U	UG/KG
PCB 1221	17	2300 U	UG/KG
PCB 1232	17	2300 U	UG/KG
PCB 1242	17	2300 U	UG/KG
PCB 1248	17	2300 U	UG/KG
PCB 1254	17	2300 U	UG/KG
PCB 1260	17	5000	UG/KG

SURROGATE RECOVERIES**QC LIMITS****DECACHLOROBIPHENYL**
TETRACHLORO-META-XYLENE**(30 - 150 %)**
(30 - 150 %)**D %**
D %

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8080 PCB'S

Reported: 09/25/97

Dames & Moore

Project Reference: GE URBAN STREET

Client Sample ID : MH-FRENCH

Date Sampled : 09/17/97 Order #: 168267 Sample Matrix: WATER
Date Received: 09/18/97 Submission #: 9709000239 Analytical Run 20293

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED	: 09/12/97		
DATE ANALYZED	: 09/24/97		
ANALYTICAL DILUTION:	10.5		
PCB 1016	0.065	0.68 U	UG/L
PCB 1221	0.065	0.68 U	UG/L
PCB 1232	0.065	0.68 U	UG/L
PCB 1242	0.065	0.68 U	UG/L
PCB 1248	0.065	0.68 U	UG/L
PCB 1254	0.065	0.68 U	UG/L
PCB 1260	0.065	44	UG/L

SURROGATE RECOVERIESQC LIMITS

DECACHLOROBIPHENYL	(30 - 150 %)	64	%
TETRACHLORO-META-XYLENE	(30 - 150 %)	61	%

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8080 PCB'S

Reported: 09/25/97

Dames & Moore

Project Reference: GE URBAN STREET

Client Sample ID : MH-FRENCH+MOSELLE

Date Sampled : 09/17/97

Order #: 168268

Sample Matrix: WATER

Date Received: 09/18/97

Submission #: 9709000239

Analytical Run 20293

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 09/12/97			
DATE ANALYZED : 09/24/97			
ANALYTICAL DILUTION: 1.1			
PCB 1016	0.065	0.068 U	UG/L
PCB 1221	0.065	0.068 U	UG/L
PCB 1232	0.065	0.068 U	UG/L
PCB 1242	0.065	0.068 U	UG/L
PCB 1248	0.065	0.068 U	UG/L
PCB 1254	0.065	0.068 U	UG/L
PCB 1260	0.065	1.3	UG/L

SURROGATE RECOVERIESQC LIMITS

DECACHLOROBIPHENYL
TETRACHLORO-META-XYLENE

(30 - 150 %)
(30 - 150 %)

38 %
55 %

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8080 PCB'S

Reported: 09/25/97

Dames & Moore

Project Reference: GE URBAN STREET

Client Sample ID : MH-MOSELLE

Date Sampled : 09/17/97

Order #: 168269

Sample Matrix: WATER

Date Received: 09/18/97

Submission #: 9709000239

Analytical Run 20293

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 09/12/97			
DATE ANALYZED : 09/24/97			
ANALYTICAL DILUTION: 1.0			
PCB 1016	0.065	0.067 U	UG/L
PCB 1221	0.065	0.067 U	UG/L
PCB 1232	0.065	0.067 U	UG/L
PCB 1242	0.065	0.067 U	UG/L
PCB 1248	0.065	0.067 U	UG/L
PCB 1254	0.065	0.067 U	UG/L
PCB 1260	0.065	2.8	UG/L

SURROGATE RECOVERIESQC LIMITS

DECACHLOROBIPHENYL
TETRACHLORO-META-XYLENE

(30 - 150 %)
(30 - 150 %)

50 %
51 %

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8080 PCBS

Reported: 09/25/97

Project Reference:

Client Sample ID : METHOD BLANK

Date Sampled :

Order #: 168490

Sample Matrix: SOIL/SEDIMENT

Date Received:

Submission #:

Percent Solid: 100

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 09/19/97			
DATE ANALYZED : 09/24/97			
ANALYTICAL DILUTION: 1.0			Dry Weight
PCB 1016	400	400 U	UG/KG
PCB 1221	400	400 U	UG/KG
PCB 1232	400	400 U	UG/KG
PCB 1242	400	400 U	UG/KG
PCB 1248	400	400 U	UG/KG
PCB 1254	400	400 U	UG/KG
PCB 1260	400	400 U	UG/KG

SURROGATE RECOVERIESQC LIMITS

DECACHLOROBIPHENYL
TETRACHLORO-META-XYLENE

(30 - 150 %)
(30 - 150 %)

117 %
137 %

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8080 PCB'S

Reported: 09/25/97

Project Reference:**Client Sample ID : METHOD BLANK**

Date Sampled :	Order #: 168922	Sample Matrix: WATER
Date Received:	Submission #:	Analytical Run 20293

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 09/12/97			
DATE ANALYZED : 09/24/97			
ANALYTICAL DILUTION: 1.0			
PCB 1016	0.065	0.065 U	UG/L
PCB 1221	0.065	0.065 U	UG/L
PCB 1232	0.065	0.065 U	UG/L
PCB 1242	0.065	0.065 U	UG/L
PCB 1248	0.065	0.065 U	UG/L
PCB 1254	0.065	0.065 U	UG/L
PCB 1260	0.065	0.065 U	UG/L

SURROGATE RECOVERIES**QC LIMITS**

DECACHLOROBIPHENYL	(30 - 150 %)	54	%
TETRACHLORO-META-XYLENE	(30 - 150 %)	58	%

CHAIN C: CUSTODY/LABORATORY ANALYSIS REQUEST FORM

(800) 695-7222

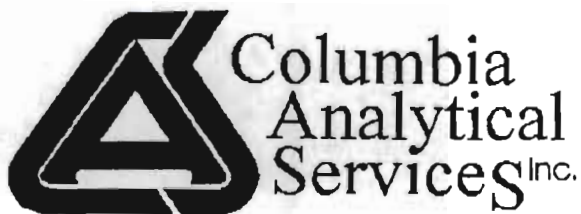
(716) 454-6810 • FAX (716) 454-6825

DATE 9/17/97 PAGE 1 OF 1

PAGE

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[illegible]



A FULL SERVICE ENVIRONMENTAL LABORATORY

October 7, 1997

RECEIVED
Dames & Moore

OCT 14 1997

File#

Mr. Mark Colmerauer
Dames & Moore
3065 Southwestern Blvd.
Orchard Park, NY 14127

PROJECT:GE URBAN STREET
Submission #:9709000330

Dear Mr. Colmerauer:

Enclosed are the analytical results of the analyses requested. The analytical data was provided to you on 10/06/97 per a Facsimile transmittal. All data has been reviewed prior to report submission.

Should you have any questions please contact me at (716) 288-5380.

Thank you for letting us provide this service.

Sincerely,

COLUMBIA ANALYTICAL SERVICES

Mark Wilson
Client Service Manager

Enc.

This package has been reviewed by Columbia Analytical Services, QA Department/Laboratory Director prior to report submittal.



Effective 04/01/96

CAS LIST OF QUALIFIERS

(The basis of this proposal are the EPA-CLP Qualifiers)

- U - Indicates compound was analyzed for but was not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.
- J - Indicates an estimated value. For further explanation see case narrative / cover letter.
- B - This flag is used when the analyte is found in the associated blank as well as in the sample.
- E - This flag identifies compounds whose concentrations exceed the calibration range.
- A - This flag indicates that a TIC is a suspected aldol-condensation product.
- N - Spiked sample recovery not within control limits.
(Flag the entire batch - Inorganic analysis only)
- * - Duplicate analysis not within control limits.
(Flag the entire batch - Inorganic analysis only)
 - Also used to qualify Organics QC data outside limits.
- D - Spike diluted out.
- S - Reported value determined by Method of Standard Additions. (MSA)
- X - As specified in the case narrative.

CAS Lab ID # for State Certifications

NY ID # in Rochester: 10145
CT ID # in Rochester: PH0556
MA ID # in Rochester: M-NY032

NJ ID # in Rochester: 73004
RI ID # in Rochester: 158

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS

METHOD 8081 PCB'S

Reported: 10/07/97

Dames & Moore

Project Reference: GE URBAN STREET

Client Sample ID : MH-1: BOTTOM

Date Sampled : 09/29/97 Order #: 170042 Sample Matrix: SOIL/SEDIMENT
Date Received: 09/30/97 Submission #: 9709000330 Percent Solid: 90.5

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 10/01/97			
DATE ANALYZED : 10/03/97			
ANALYTICAL DILUTION: 2.7			Dry Weight
PCB 1016	17	51 U	UG/KG
PCB 1221	17	51 U	UG/KG
PCB 1232	17	51 U	UG/KG
PCB 1242	17	51 U	UG/KG
B 1248	17	51 U	UG/KG
PCB 1254	17	51 U	UG/KG
PCB 1260	17	820	UG/KG

SURROGATE RECOVERIESQC LIMITS

DECACHLOROBIPHENYL	(30 - 150 %)	96	%
TETRACHLORO-META-XYLENE	(30 - 150 %)	94	%

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8081 PCB'S

Reported: 10/07/97

Dames & Moore

Project Reference: GE URBAN STREET

Client Sample ID : MH-1: RIM

Date Sampled : 09/29/97

Order #: 170043

Sample Matrix: SOIL/SEDIMENT

Date Received: 09/30/97

Submission #: 9709000330

Percent Solid: 92.2

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 10/01/97			
DATE ANALYZED : 10/03/97			
ANALYTICAL DILUTION: 10.0			Dry Weight
PCB 1016	17	180 U	UG/KG
PCB 1221	17	180 U	UG/KG
PCB 1232	17	180 U	UG/KG
PCB 1242	17	180 U	UG/KG
CB 1248	17	180 U	UG/KG
PCB 1254	17	180 U	UG/KG
PCB 1260	17	2600	UG/KG

SURROGATE RECOVERIESQC LIMITSDECACHLOROBIPHENYL
TETRACHLORO-META-XYLENE(30 - 150 %)
(30 - 150 %)90 %
83 %

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8081 PCB'S

Reported: 10/07/97

Dames & Moore

Project Reference: GE URBAN STREET

Client Sample ID : MH-2: BOTTOM

Date Sampled : 09/29/97

Order #: 170044

Sample Matrix: SOIL/SEDIMENT

Date Received: 09/30/97

Submission #: 9709000330

Percent Solid: 58.6

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 10/01/97			
DATE ANALYZED : 10/04/97			
ANALYTICAL DILUTION: 10.0			Dry Weight
PCB 1016	17	290 U	UG/KG
PCB 1221	17	290 U	UG/KG
PCB 1232	17	290 U	UG/KG
PCB 1242	17	290 U	UG/KG
CB 1248	17	750	UG/KG
PCB 1254	17	290 U	UG/KG
PCB 1260	17	4400	UG/KG

SURROGATE RECOVERIESQC LIMITSDECACHLOROBIPHENYL
TETRACHLORO-META-XYLENE(30 - 150 %)
(30 - 150 %)76
71%
%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8081 PCB'S
Reported: 10/07/97

Dames & Moore

Project Reference: GE URBAN STREET

Client Sample ID : MH-2: RIM

Date Sampled : 09/29/97

Order #: 170045

Sample Matrix: SOIL/SEDIMENT

Date Received: 09/30/97

Submission #: 9709000330

Percent Solid: 88.3

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 10/01/97			
DATE ANALYZED : 10/04/97			
ANALYTICAL DILUTION: 100.0			Dry Weight
PCB 1016	17	1900 U	UG/KG
PCB 1221	17	1900 U	UG/KG
PCB 1232	17	1900 U	UG/KG
PCB 1242	17	1900 U	UG/KG
CB 1248	17	1200	UG/KG
PCB 1254	17	1900 U	UG/KG
PCB 1260	17	12000	UG/KG

SURROGATE RECOVERIESQC LIMITS

DECACHLOROBIPHENYL
TETRACHLORO-META-XYLENE

(30 - 150 %)
(30 - 150 %)

D %
D %

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8081 PCB'S
Reported: 10/07/97

Dames & Moore
Project Reference: GE URBAN STREET
Client Sample ID : MH-2: SOCK SEDIMENT

Date Sampled : 09/29/97 Order #: 170046 Sample Matrix: SOIL/SEDIMENT
Date Received: 09/30/97 Submission #: 9709000330 Percent Solid: 47.0

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED	: 10/01/97		
DATE ANALYZED	: 10/04/97		
ANALYTICAL DILUTION:	100.0		Dry Weight
PCB 1016	17	3600 U	UG/KG
PCB 1221	17	3600 U	UG/KG
PCB 1232	17	3600 U	UG/KG
PCB 1242	17	3600 U	UG/KG
B 1248	17	2300	UG/KG
PCB 1254	17	3600 U	UG/KG
PCB 1260	17	23000	UG/KG

SURROGATE RECOVERIES

QC LIMITS

DECACHLOROBIPHENYL
TETRACHLORO-META-XYLENE

(30 - 150 %)
(30 - 150 %)

D %
D %

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8081 PCB'S
Reported: 10/07/97

Dames & Moore

Project Reference: GE URBAN STREET

Client Sample ID : MH-3: BOTTOM

Date Sampled : 09/29/97

Order #: 170047

Sample Matrix: SOIL/SEDIMENT

Date Received: 09/30/97

Submission #: 9709000330

Percent Solid: 55.5

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 10/01/97			
DATE ANALYZED : 10/05/97			
ANALYTICAL DILUTION: 20.0			Dry Weight
PCB 1016	17	610 U	UG/KG
PCB 1221	17	610 U	UG/KG
PCB 1232	17	610 U	UG/KG
PCB 1242	17	610 U	UG/KG
PCB 1248	17	610 U	UG/KG
PCB 1254	17	610 U	UG/KG
PCB 1260	17	7200	UG/KG

SURROGATE RECOVERIESQC LIMITS

DECACHLOROBIPHENYL
TETRACHLORO-META-XYLENE

(30 - 150 %)
(30 - 150 %)

109 %
101 %

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS

METHOD 8081 PCB'S

Reported: 10/07/97

Dames & Moore

Project Reference: GE URBAN STREET

Client Sample ID : MH-3: RIM

Date Sampled : 09/29/97

Order #: 170048

Sample Matrix: SOIL/SEDIMENT

Date Received: 09/30/97

Submission #: 9709000330

Percent Solid: 85.7

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 10/01/97			
DATE ANALYZED : 10/04/97			
ANALYTICAL DILUTION: 10.0			Dry Weight
PCB 1016	17	200 U	UG/KG
PCB 1221	17	200 U	UG/KG
PCB 1232	17	200 U	UG/KG
PCB 1242	17	200 U	UG/KG
CB 1248	17	190	UG/KG
PCB 1254	17	200 U	UG/KG
PCB 1260	17	3400	UG/KG

SURROGATE RECOVERIESQC LIMITSDECACHLOROBIPHENYL
TETRACHLORO-META-XYLENE(30 - 150 %)
(30 - 150 %)95 %
90 %

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8081 PCB'S
Reported: 10/07/97

Dames & Moore
Project Reference: GE URBAN STREET
Client Sample ID : MH-3: SOCK SEDIMENT

Date Sampled : 09/29/97 Order #: 170049 Sample Matrix: SOIL/SEDIMENT
Date Received: 09/30/97 Submission #: 9709000330 Percent Solid: 65.8

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 10/01/97			
DATE ANALYZED : 10/04/97			
ANALYTICAL DILUTION: 100.0			Dry Weight
PCB 1016	17	2600 U	UG/KG
PCB 1221	17	2600 U	UG/KG
PCB 1232	17	2600 U	UG/KG
PCB 1242	17	2600 U	UG/KG
PCB 1248	17	290	UG/KG
PCB 1254	17	2600 U	UG/KG
PCB 1260	17	14000	UG/KG

<u>SURROGATE RECOVERIES</u>	<u>QC LIMITS</u>		
DECACHLOROBIPHENYL	(30 - 150 %)	137 D	%
TETRACHLORO-META-XYLENE	(30 - 150 %)	112 D	%

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8081 PCB'S

Reported: 10/07/97

Dames & Moore

Project Reference: GE URBAN STREET

Client Sample ID : MH-4: RIM

Date Sampled : 09/29/97

Order #: 170050

Sample Matrix: SOIL/SEDIMENT

Date Received: 09/30/97

Submission #: 9709000330

Percent Solid: 91.5

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 10/01/97			
DATE ANALYZED : 10/04/97			
ANALYTICAL DILUTION: 10.0			Dry Weight
PCB 1016	17	190 U	UG/KG
PCB 1221	17	190 U	UG/KG
PCB 1232	17	190 U	UG/KG
PCB 1242	17	190 U	UG/KG
PCB 1248	17	60	UG/KG
PCB 1254	17	190 U	UG/KG
PCB 1260	17	2000	UG/KG

SURROGATE RECOVERIESQC LIMITSDECACHLOROBIPHENYL
TETRACHLORO-META-XYLENE(30 - 150 %)
(30 - 150 %)95 %
86 %

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS

METHOD 8081 PCB'S

Reported: 10/07/97

Dames & Moore

Project Reference: GE URBAN STREET

Client Sample ID : MH-5: BOTTOM

Date Sampled : 09/29/97

Order #: 170051

Sample Matrix: SOIL/SEDIMENT

Date Received: 09/30/97

Submission #: 9709000330

Percent Solid: 82.2

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 10/01/97			
DATE ANALYZED : 10/05/97			
ANALYTICAL DILUTION: 10.0			Dry Weight
PCB 1016	17	210 U	UG/KG
PCB 1221	17	210 U	UG/KG
PCB 1232	17	210 U	UG/KG
PCB 1242	17	210 U	UG/KG
CB 1248	17	210 U	UG/KG
PCB 1254	17	210 U	UG/KG
PCB 1260	17	950	UG/KG

SURROGATE RECOVERIESQC LIMITS

DECACHLOROBIPHENYL

(30 - 150 %)

145

%

TETRACHLORO-META-XYLENE

(30 - 150 %)

134

%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS

METHOD 8081 PCB'S

Reported: 10/07/97

Dames & Moore

Project Reference: GE URBAN STREET

Client Sample ID : MH-5: RIM

Date Sampled : 09/29/97

Order #: 170052

Sample Matrix: SOIL/SEDIMENT

Date Received: 09/30/97

Submission #: 9709000330

Percent Solid: 90.1

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 10/01/97			
DATE ANALYZED : 10/05/97			
ANALYTICAL DILUTION: 10.0			Dry Weight
PCB 1016	17	190 U	UG/KG
PCB 1221	17	190 U	UG/KG
PCB 1232	17	190 U	UG/KG
PCB 1242	17	190 U	UG/KG
CB 1248	17	48	UG/KG
PCB 1254	17	190 U	UG/KG
PCB 1260	17	3200	UG/KG

SURROGATE RECOVERIESQC LIMITS

DECACHLOROBIPHENYL
TETRACHLORO-META-XYLENE

(30 - 150 %)
(30 - 150 %)

85 %
92 %

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8080 PCB'S
Reported: 10/07/97

Dames & Moore
Project Reference: GE URBAN STREET
Client Sample ID : MH-2: WATER

Date Sampled : 09/29/97 Order #: 170055 Sample Matrix: WATER
Date Received: 09/30/97 Submission #: 9709000330 Analytical Run 20586

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED	: 10/01/97		
DATE ANALYZED	: 10/05/97		
ANALYTICAL DILUTION:	1.0		
PCB 1016	0.065	0.065 U	UG/L
PCB 1221	0.065	0.065 U	UG/L
PCB 1232	0.065	0.065 U	UG/L
PCB 1242	0.065	0.065 U	UG/L
PCB 1248	0.065	0.17	UG/L
PCB 1254	0.065	0.065 U	UG/L
PCB 1260	0.065	0.90	UG/L

SURROGATE RECOVERIESQC LIMITS

DECACHLOROBIPHENYL	(30 - 150 %)	80	%
TETRACHLORO-META-XYLENE	(30 - 150 %)	75	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS

METHOD 8080 PCB'S

Reported: 10/07/97

Dames & Moore

Project Reference: GE URBAN STREET

Client Sample ID : MH-3: WATER

Date Sampled : 09/29/97 Order #: 170057 Sample Matrix: WATER
Date Received: 09/30/97 Submission #: 9709000330 Analytical Run 20586

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED	: 10/01/97		
DATE ANALYZED	: 10/05/97		
ANALYTICAL DILUTION:	10.0		
PCB 1016	0.065	0.65 U	UG/L
PCB 1221	0.065	0.65 U	UG/L
PCB 1232	0.065	0.65 U	UG/L
PCB 1242	0.065	0.65 U	UG/L
CB 1248	0.065	0.65 U	UG/L
PCB 1254	0.065	0.65 U	UG/L
PCB 1260	0.065	3.1	UG/L

SURROGATE RECOVERIES

QC LIMITS

DECACHLOROBIPHENYL	(30 - 150 %)	122	%
TETRACHLORO-META-XYLENE	(30 - 150 %)	77	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8081 PCB'S
Reported: 10/07/97

Dames & Moore
Project Reference: GE URBAN STREET
Client Sample ID : MH-2: SOCK FABRIC

Date Sampled : 09/29/97 Order #: 170059 Sample Matrix: SOLID
Date Received: 09/30/97 Submission #: 9709000330 Analytical Run 20522

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 10/01/97			
DATE ANALYZED : 10/06/97			
ANALYTICAL DILUTION: 10.0			
PCB 1016	17	170 U	UG/KG
PCB 1221	17	170 U	UG/KG
PCB 1232	17	170 U	UG/KG
PCB 1242	17	170 U	UG/KG
CB 1248	17	170	UG/KG
CB 1254	17	170 U	UG/KG
PCB 1260	17	1600	UG/KG

<u>SURROGATE RECOVERIES</u>	<u>QC LIMITS</u>		
DECACHLOROBIPHENYL	(30 - 150 %)	73	%
TETRACHLORO-META-XYLENE	(30 - 150 %)	75	%

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8081 PCB'S

Reported: 10/07/97

Dames & Moore

Project Reference: GE URBAN STREET

Client Sample ID : MH-3: SOCK FABRIC

Date Sampled : 09/29/97

Order #: 170060

Sample Matrix: SOLID

Date Received: 09/30/97

Submission #: 9709000330

Analytical Run 20522

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 10/01/97			
DATE ANALYZED : 10/06/97			
ANALYTICAL DILUTION: 10.0			
PCB 1016	17	170 U	UG/KG
PCB 1221	17	170 U	UG/KG
PCB 1232	17	170 U	UG/KG
PCB 1242	17	170 U	UG/KG
CB 1248	17	120	UG/KG
PCB 1254	17	170 U	UG/KG
PCB 1260	17	6100	UG/KG

SURROGATE RECOVERIESQC LIMITSDECACHLOROBIPHENYL
TETRACHLORO-META-XYLENE(30 - 150 %)
(30 - 150 %)102
101%
%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS

METHOD 8081 PCB'S

Reported: 10/08/97

Project Reference:

Client Sample ID : METHOD BLANK

Date Sampled :

Order #: 170155

Sample Matrix: SOLID

Date Received:

Submission #:

Analytical Run 20522

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 10/01/97			
DATE ANALYZED : 10/03/97			
ANALYTICAL DILUTION: 1.0			
PCB 1016	17	17 U	UG/KG
PCB 1221	17	17 U	UG/KG
PCB 1232	17	17 U	UG/KG
PCB 1242	17	17 U	UG/KG
PCB 1248	17	17 U	UG/KG
CB 1254	17	17 U	UG/KG
PCB 1260	17	17 U	UG/KG

SURROGATE RECOVERIESQC LIMITS

DECACHLOROBIPHENYL
TETRACHLORO-META-XYLENE

(30 - 150 %)
(30 - 150 %)

67 %
68 %

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS

METHOD 8080 PCB'S

Reported: 10/07/97

Project Reference:

Client Sample ID : METHOD BLANK

Date Sampled :

Order #: 170627

Sample Matrix: WATER

Date Received:

Submission #:

Analytical Run 20586

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 10/01/97			
DATE ANALYZED : 10/05/97			
ANALYTICAL DILUTION: 1.0			
PCB 1016	0.065	0.065 U	UG/L
PCB 1221	0.065	0.065 U	UG/L
PCB 1232	0.065	0.065 U	UG/L
PCB 1242	0.065	0.065 U	UG/L
PCB 1248	0.065	0.065 U	UG/L
CB 1254	0.065	0.065 U	UG/L
CB 1260	0.065	0.065 U	UG/L

SURROGATE RECOVERIESQC LIMITS

DECACHLOROBIPHENYL

(30 - 150 %)

124

%

TETRACHLORO-META-XYLENE

(30 - 150 %)

97

%

PROJECT NAME <u>GE-URBAN STREET</u>				ANALYSIS REQUESTED																	
PROJECT MANAGER/CONTACT <u>MARK Colmerauer</u>																					
COMPANY/ADDRESS <u>Rames + Moore</u>																					
<u>Orchard Park, NY</u>																					
TEL (916) <u>625-7130</u> FAX (716) <u>675-9136</u>																					
SAMPLER'S SIGNATURE <u>[Signature]</u>																					
SAMPLE I.D.	DATE	TIME	LAB I.D.	SAMPLE MATRIX	# OF CONTAINERS	GC/MS VOAs	GC/MS SVOAs	GC/MS AVOAs	PESTICIDES (PCBs)	STAR'S LIST 8021 VOAs	STAR'S LIST 8270 SVOAs	TCLP	WASTE CHARACTERIZATION	METALS, TOTAL (LIST BELOW)	METALS, DISSOLVED (LIST BELOW)	INVOICE INFORMATION:	REPORT REQUIREMENTS	TURNAROUND REQUIREMENTS	RECEIVED BY:	RELINQUISHED BY:	
MH-1: BOTTOM	9/29	9:20	170042	SED.	1																
MH-1: RIM	9/25	170043	SED																		
MH-2: WATER	9/20	170055	WATER																		
MH-2: BOTTOM	9/25	170044	SED																		
MH-2: RIM	9/20	170045	SED																		
MH-2: SOCK	9/25	170046	SED																		
MH-2: FABRIC	10/00	170059	BULK																		
MH-3: WATER	10/10	170057	WATER																		
MH-3: BOTTOM	10/20	170047	SED																		
MH-3: RIM	10/25	170048	SED																		
RECEIVED BY: <u>Mike Scianella</u> Signature <u>[Signature]</u> Printed Name <u>Mike Scianella</u> Firm <u>RAMAPO VALLEY ROAD</u> Date/Time <u>9/30/97 11:30</u>				RECEIVED BY: <u>Tom Hastings</u> Signature <u>[Signature]</u> Printed Name <u>Tom Hastings</u> Firm <u>RAMAPO VALLEY ROAD</u> Date/Time <u>9/30/97 14:30</u>												RECEIVED BY: <u>[Signature]</u> Signature <u>[Signature]</u> Printed Name <u>[Signature]</u> Firm <u>[Signature]</u> Date/Time <u>[Signature]</u>					

PROJECT NAME	PROJECT MANAGER/CONTACT	COMPANY/ADDRESS	TEL	FAX	DATE	TIME	LAB I.D.	SAMPLE MATRIX	# OF CONTAINERS	GC/MS VOAs	GC/MS SVOAs	GC/MS AVOAs	PESTICIDES (PCBs)	STAR'S LIST 8021 VOAs	STAR'S LIST 8270 SVOAs	TCLP	WASTE CHARACTERIZATION	METALS, TOTAL (LIST BELOW)	METALS, DISSOLVED (LIST BELOW)	INVOICE INFORMATION:	REPORT REQUIREMENTS	TURNAROUND REQUIREMENTS	RECEIVED BY:	RELINQUISHED BY:
GE-URBAN STREET	MARK Colmerauer	Rames + Moore	625-7130	675-9136	9/29	9:20	170042	SED.	1															
MH-1: BOTTOM					9/25	170043	SED																	
MH-1: RIM					9/20	170055	WATER																	
MH-2: WATER					9/25	170044	SED																	
MH-2: BOTTOM					9/20	170045	SED																	
MH-2: RIM					9/25	170046	SED																	
MH-2: SOCK					10/00	170059	BULK																	
MH-2: FABRIC					10/10	170057	WATER																	
MH-3: WATER					10/20	170047	SED																	
MH-3: BOTTOM					10/25	170048	SED																	
MH-3: RIM																								

PROJECT NAME	PROJECT MANAGER/CONTACT	COMPANY/ADDRESS	TEL	FAX	DATE	TIME	LAB I.D.	SAMPLE MATRIX	# OF CONTAINERS	GC/MS VOAs	GC/MS SVOAs	GC/MS AVOAs	PESTICIDES (PCBs)	STAR'S LIST 8021 VOAs	STAR'S LIST 8270 SVOAs	TCLP	WASTE CHARACTERIZATION	METALS, TOTAL (LIST BELOW)	METALS, DISSOLVED (LIST BELOW)	INVOICE INFORMATION:	REPORT REQUIREMENTS	TURNAROUND REQUIREMENTS	RECEIVED BY:	RELINQUISHED BY:
GE-URBAN STREET	MARK Colmerauer	Rames + Moore	625-7130	675-9136	9/29	9:20	170042	SED.	1															
MH-1: BOTTOM					9/25	170043	SED																	
MH-1: RIM					9/20	170055	WATER																	
MH-2: WATER					9/25	170044	SED																	
MH-2: BOTTOM					9/20	170045	SED																	
MH-2: RIM					9/25	170046	SED																	
MH-2: SOCK					10/00	170059	BULK																	
MH-2: FABRIC					10/10	170057	WATER																	
MH-3: WATER					10/20	170047	SED																	
MH-3: BOTTOM					10/25	170048	SED																	
MH-3: RIM																								

PROJECT NAME	PROJECT MANAGER/CONTACT	COMPANY/ADDRESS	TEL	FAX	DATE	TIME	LAB I.D.	SAMPLE MATRIX	# OF CONTAINERS	GC/MS VOAs	GC/MS SVOAs	GC/MS AVOAs	PESTICIDES (PCBs)	STAR'S LIST 8021 VOAs	STAR'S LIST 8270 SVOAs	TCLP	WASTE CHARACTERIZATION	METALS, TOTAL (LIST BELOW)	METALS, DISSOLVED (LIST BELOW)	INVOICE INFORMATION:	REPORT REQUIREMENTS	TURNAROUND REQUIREMENTS	RECEIVED BY:	RELINQUISHED BY:
GE-URBAN STREET	MARK Colmerauer	Rames + Moore	625-7130	675-9136	9/29	9:20	170042	SED.	1															
MH-1: BOTTOM					9/25	170043	SED																	
MH-1: RIM					9/20	170055	WATER																	
MH-2: WATER					9/25	170044	SED																	
MH-2: BOTTOM					9/20	170045	SED																	
MH-2: RIM					9/25	170046	SED																	
MH-2: SOCK					10/00	170059	BULK																	
MH-2: FABRIC					10/10	170057	WATER																	
MH-3: WATER					10/20	170047	SED																	
MH-3: BOTTOM					10/25	170048	SED																	
MH-3: RIM																								

PROJECT NAME	PROJECT MANAGER/CONTACT	COMPANY/ADDRESS	TEL	FAX	DATE	TIME	LAB I.D.	SAMPLE MATRIX	# OF CONTAINERS	GC/MS VOAs	GC/MS SVOAs	GC/MS AVOAs	PESTICIDES (PCBs)	STAR'S LIST 8021 VOAs	STAR'S LIST 8270 SVOAs	TCLP	WASTE CHARACTERIZATION	METALS, TOTAL (LIST BELOW)	METALS, DISSOLVED (LIST BELOW)	INVOICE INFORMATION:	REPORT REQUIREMENTS	TURNAROUND REQUIREMENTS	RECEIVED BY:	RELINQUISHED BY:
GE-URBAN STREET	MARK Colmerauer	Rames + Moore	625-7130	675-9136	9/29	9:20	170042	SED.	1															
MH-1: BOTTOM					9/25	170043	SED																	
MH-1: RIM					9/20	170055	WATER																	
MH-2: WATER					9/25	170044	SED																	
MH-2: BOTTOM					9/20	170045	SED																	
MH-2: RIM					9/25	170046	SED																	
MH-2: SOCK					10/00	170059	BULK																	
MH-2: FABRIC					10/10	170057	WATER																	
MH-3: WATER					10/20	170047	SED																	
MH-3: BOTTOM					10/25	170048	SED																	
MH-3: RIM																								

PROJECT NAME	PROJECT MANAGER/CONTACT	COMPANY/ADDRESS	TEL	FAX	DATE	TIME	LAB I.D.	SAMPLE MATRIX	# OF CONTAINERS	GC/MS VOAs	GC/MS SVOAs	GC/MS AVOAs	PESTICIDES (PCBs)	STAR'S LIST 8021 VOAs	STAR'S LIST 8270 SVOAs	TCLP	WASTE CHARACTERIZATION	METALS, TOTAL (LIST BELOW)	METALS, DISSOLVED (LIST BELOW)	INVOICE INFORMATION:	REPORT REQUIREMENTS	TURNAROUND REQUIREMENTS	RECEIVED BY:	RELINQUISHED BY:
GE-URBAN STREET	MARK Colmerauer	Rames + Moore	625-7130	675-9136	9/29	9:20	170042	SED.	1															
MH-1: BOTTOM					9/25	170043	SED																	
MH-1: RIM					9/20	170055	WATER																	
MH-2: WATER					9/25	170044	SED																	
MH-2: BOTTOM					9/20	170045	SED																	
MH-2: RIM					9/25	170046	SED																	
MH-2: SOCK					10/00	170059	BULK																	
MH-2: FABRIC					10/10	170057	WATER																	
MH-3: WATER					10/20	170047	SED																	
MH-3: BOTTOM					10/25	170048	SED																	
MH-3: RIM																								

PROJECT NAME	PROJECT MANAGER/CONTACT	COMPANY/ADDRESS	TEL	FAX	DATE	TIME	LAB I.D.	SAMPLE MATRIX	# OF CONTAINERS	GC/MS VOAs	GC/MS SVOAs	GC/MS AVOAs	PESTICIDES (PCBs)	STAR'S LIST 8021 VOAs	STAR'S LIST 8270 SVOAs	TCLP	WASTE CHARACTERIZATION	METALS, TOTAL (LIST BELOW)	METALS, DISSOLVED (LIST BELOW)	INVOICE INFORMATION:	REPORT REQUIREMENTS	TURNAROUND REQUIREMENTS	RECEIVED BY:	RELINQUISHED BY:
GE-URBAN STREET	MARK Colmerauer	Rames + Moore	625-7130	675-9136	9/29	9:20	170042	SED.	1															
MH-1: BOTTOM					9/25	170043	SED																	
MH-1: RIM					9/20	170055	WATER																	
MH-2: WATER					9/25	170044	SED																	
MH-2: BOTTOM					9/20	170045	SED																	
MH-2: RIM					9/25	170046	SED																	
MH-2: SOCK					10/00	170059	BULK																	
MH-2: FABRIC					10/10	170057	WATER																	
MH-3: WATER					10/20	170047	SED																	
MH-3: BOTTOM					10/25	170048	SED																	
MH-3: RIM																								

PROJECT NAME	PROJECT MANAGER/CONTACT	COMPANY/ADDRESS	TEL	FAX	DATE	TIME	LAB I.D.	SAMPLE MATRIX	# OF CONTAINERS	GC/MS VOAs	GC/MS SVOAs	GC/MS AVOAs	PESTICIDES (PCBs)	STAR'S LIST 8021 VOAs	STAR'S LIST 8270 SVOAs	TCLP	WASTE CHARACTERIZATION	METALS, TOTAL (LIST BELOW)	METALS, DISSOLVED (LIST BELOW)	INVOICE INFORMATION:	REPORT REQUIREMENTS	TURNAROUND REQUIREMENTS	RECEIVED BY:	RELINQUISHED BY:
GE-URBAN STREET	MARK Colmerauer	Rames + Moore	625-7130	675-9136	9/29	9:20	170042	SED.	1															
MH-1: BOTTOM					9/25	170043	SED																	

PROJECT NAME GE-URBARD STREET

PROJECT MANAGER/CONTACT MARK COLMERAGER

COMPANY/ADDRESS James + Moore

Orchard Park, NY

TEL (916) 675-7130 FAX (716) 675-7136

SAMPLER'S SIGNATURE [Signature]

SAMPLE I.D.	DATE	TIME	LAB I.D.	SAMPLE MATRIX
MH-3: SOCK	9/29	1030	170049	SED
MH-3: SOCK	1	1035	170060	BUK
MH-4: RIM	1	1040	170050	SED
MH-5: Bottom	1	1015	170051	SED
MH-5: RIM	1	11:20	170052	SED

ANALYSIS REQUESTED

# OF CONTAINERS	GC/MS VOAs □ 8260 □ 624	GC/MS SVOAs □ 8270A □ 625	GC VOAs □ 8010/8020 □ 601/602	PESTICIDES/CBAs □ 8080 □ 608	STAR'S LIST 8021 VOAs □ TOTAL □ TCLP	STAR'S LIST 8270 SVOAs □ TOTAL □ TCLP	TCLP □ METALS VOAs □ SVOAs □ H/P	WASTE CHARACTERIZATION □ React □ Corros. □ Ignit.	METALS, TOTAL (LIST BELOW)	METALS, DISSOLVED (LIST BELOW)	INVOICE INFORMATION:	REPORT REQUIREMENTS 1. Routine Report 2. Routine Rep. w/CASE Narrative 3. EPA Level III Validatable Package 4. N.J. Reduced Deliverables Level IV 5. NY ASP/CLP Deliverables 6. Site specific QC.	TURNAROUND REQUIREMENTS 24 hr. — 48 hr. ☒ 5 day Standard (10-15 working days) Provide Verbal Preliminary Results Provide FAX Preliminary Results Requested Report Date	RECEIVED BY: <u>Mike Scianlik</u> Signature Printed Name Firm Date/Time	RECEIVED BY: <u>Tom Hastings</u> Signature Printed Name Firm Date/Time	RELINQUISHED BY: <u>Mike Scianlik</u> Signature Printed Name Firm Date/Time	RELINQUISHED BY: <u>Mike Scianlik</u> Signature Printed Name Firm Date/Time	RECEIVED BY: <u>Tom Hastings</u> Signature Printed Name Firm Date/Time
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SPECIAL INSTRUCTIONS/COMMENTS:
MEANS NOTE: NEED LOWEST POSSIBLE DETECTION LIMITS
ORGANICS: ☐ TCL ☐ PPL ☐ AE Only ☐ BN Only ☐ Special List
DO NOT ANALYZE THESE () UNTIL DPM CONFIRMS
ANALYZE ALL (MJC) J

RECEIVED BY:
Signature
Printed Name
Firm
Date/Time

RECEIVED BY:
Signature
Printed Name
Firm
Date/Time



RECEIVED
Dames & Moore

JAN 14 1998

File # _____

January 13, 1998

Mr. Pete Smith
Dames & Moore
3065 Southwestern Boulevard
Orchard Park, NY 14127

PROJECT: GE URBAN ST
Submission #: 9712000340

Dear Mr. Smith:

Enclosed are the analytical results of the analyses requested. The analytical data was provided to you on 12/24/97 & 01/09/98 per a facsimile transmittal. All data has been reviewed prior to report submission.

Should you have any questions please contact me at (716) 288-5380.

Thank you for letting us provide this service.

Sincerely,

COLUMBIA ANALYTICAL SERVICES

A handwritten signature in cursive script, appearing to read 'Mark Wilson'.

Mark Wilson
Client Service Manager

Enc. .

This package has been reviewed by Columbia Analytical Services' QA
Department/Laboratory Director prior to report submittal.

A handwritten signature in cursive script, appearing to read 'Michael K. Perry'.



Effective 04/01/96

CAS LIST OF QUALIFIERS

(The basis of this proposal are the EPA-CLP Qualifiers)

- U - Indicates compound was analyzed for but was not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.
- J - Indicates an estimated value. For further explanation see case narrative / cover letter.
- B - This flag is used when the analyte is found in the associated blank as well as in the sample.
- E - This flag identifies compounds whose concentrations exceed the calibration range.
- A - This flag indicates that a TIC is a suspected aldol-condensation product.
- N - Spiked sample recovery not within control limits.
(Flag the entire batch - Inorganic analysis only)
- * - Duplicate analysis not within control limits.
(Flag the entire batch - Inorganic analysis only)
 - Also used to qualify Organics QC data outside limits.
- D - Spike diluted out.
- S - Reported value determined by Method of Standard Additions. (MSA)
- X - As specified in the case narrative.

CAS Lab ID # for State Certifications

NY ID # in Rochester: 10145
CT ID # in Rochester: PH0556
MA ID # in Rochester: M-NY032

NJ ID # in Rochester: 73004
RI ID # in Rochester: 158

COLUMBIA ANALYTICAL SERVICESANALYTICAL REPORT SUMMARY

METHOD 8080 PCBs

REPORTED UNITS: UG/WIPE

Dames & Moore

GE URBAN ST

SUBMISSION #: 9712000340

ORDER NUMBER		184619	184620	184621	184622
SAMPLE ID:		CW-W2	CW-W4	C-W2	C-W5
DATE SAMPLED:		12/18/1997	12/18/1997	12/18/1997	12/18/1997
DATE RECEIVED:	PQL	12/19/1997	12/19/1997	12/19/1997	12/19/1997
DATE EXTRACTED:		12/22/97	12/22/97	12/22/97	12/22/97
DATE ANALYZED:		12/23/97	12/23/97	12/23/97	12/23/97
DILUTION:		1.0	1.0	1.0	1.0
PCB 1016	1.0	1.0 U	1.0 U	1.0 U	1.0 U
PCB 1221	1.0	1.0 U	1.0 U	1.0 U	1.0 U
PCB 1232	1.0	1.0 U	1.0 U	1.0 U	1.0 U
PCB 1242	1.0	1.0 U	1.0 U	1.0 U	1.0 U
PCB 1248	1.0	1.0 U	1.0 U	1.0 U	1.0 U
PCB 1254	1.0	1.0 U	1.0 U	1.0 U	1.0 U
PCB 1260	1.0	1.0 U	1.0 U	1.0 U	1.0 U
SURROGATE RECOVERIES	LIMITS				
DECAChLOROBIPhENYL	30 - 150	74	106	100	108
TETRAChLORO-META-XYLENE	30 - 150	67	99	94	101

COLUMBIA ANALYTICAL SERVICES

ANALYTICAL REPORT SUMMARY

METHOD 8080 PCBs

REPORTED UNITS: UG/WIPE

Dames & Moore

GE URBAN ST

SUBMISSION #: 9712000340

ORDER NUMBER		184623	184624	184625	185745
SAMPLE ID:		NWALL-W2	SWALL-W2	WMFLOOR-W1	CW-W1
DATE SAMPLED:		12/18/1997	12/18/1997	12/18/1997	12/18/1997
DATE RECEIVED:	PQL	12/19/1997	12/19/1997	12/19/1997	12/19/1997
DATE EXTRACTED:		12/22/97	12/22/97	12/22/97	12/30/97
DATE ANALYZED:		12/23/97	12/23/97	12/23/97	1/02/98
DILUTION:		1.0	1.0	1.0	1.0
PCB 1016	1.0	1.0 U	1.0 U	1.0 U	1.0 U
PCB 1221	1.0	1.0 U	1.0 U	1.0 U	1.0 U
PCB 1232	1.0	1.0 U	1.0 U	1.0 U	1.0 U
PCB 1242	1.0	1.0 U	1.0 U	1.0 U	1.0 U
PCB 1248	1.0	1.0 U	1.0 U	1.0 U	1.0 U
CB 1254	1.0	1.0 U	1.0 U	1.0 U	1.0 U
PCB 1260	1.0	1.0 U	1.3	7.5	1.0 U
SURROGATE RECOVERIES	LIMITS				
DECACHLOROBIPHENYL	30 - 150	107	105	114	106
TETRACHLORO-META-XYLENE	30 - 150	100	99	106	100

COLUMBIA ANALYTICAL SERVICES

ANALYTICAL REPORT SUMMARY

METHOD 8080 PCBs

REPORTED UNITS: UG/WIPE

Dames & Moore

GE URBAN ST

SUBMISSION #: 9712000340

ORDER NUMBER		185747	185748	185749	185750
SAMPLE ID:		CW-W3	CW-W5	CW-W6	C-W1
DATE SAMPLED:		12/18/1997	12/18/1997	12/18/1997	12/18/1997
DATE RECEIVED:	PQL	12/19/1997	12/19/1997	12/19/1997	12/19/1997
DATE EXTRACTED:		12/30/97	12/30/97	12/30/97	12/30/97
DATE ANALYZED:		1/02/98	1/02/98	1/02/98	1/02/98
DILUTION:		1.0	1.0	1.0	1.0
PCB 1016	1.0	1.0 U	1.0 U	1.0 U	1.0 U
PCB 1221	1.0	1.0 U	1.0 U	1.0 U	1.0 U
PCB 1232	1.0	1.0 U	1.0 U	1.0 U	1.0 U
PCB 1242	1.0	1.0 U	1.0 U	1.0 U	1.0 U
PCB 1248	1.0	1.0 U	1.0 U	1.0 U	1.0 U
PCB 1254	1.0	1.0 U	1.0 U	1.0 U	1.0 U
PCB 1260	1.0	1.0 U	1.0 U	1.0 U	1.0 U
SURROGATE RECOVERIES	LIMITS				
DECACHLOROBIPHENYL	30 - 150	101	109	109	99
TETRACHLORO-META-XYLENE	30 - 150	94	99	97	78

ANALYTICAL REPORT SUMMARY

METHOD 8080 PCBs

REPORTED UNITS: UG/WIPE

Dames & Moore

GE URBAN ST

SUBMISSION #: 9712000340

ORDER NUMBER		185751	185752	185753	185754
SAMPLE ID:		C-W3	C-W4	C-W6	NWALL-W1
DATE SAMPLED:		12/18/1997	12/18/1997	12/18/1997	12/18/1997
DATE RECEIVED:	PQL	12/19/1997	12/19/1997	12/19/1997	12/19/1997
DATE EXTRACTED:		12/30/97	12/30/97	12/31/97	12/31/97
DATE ANALYZED:		1/02/98	1/02/98	1/02/98	1/02/98
DILUTION:		1.0	1.0	1.0	1.0
PCB 1016	1.0	1.0 U	1.0 U	1.0 U	1.0 U
PCB 1221	1.0	1.0 U	1.0 U	1.0 U	1.0 U
PCB 1232	1.0	1.0 U	1.0 U	1.0 U	1.0 U
PCB 1242	1.0	1.0 U	1.0 U	1.0 U	1.0 U
PCB 1248	1.0	1.0 U	1.0 U	1.0 U	1.0 U
PCB 1254	1.0	1.0 U	1.0 U	1.0 U	1.0 U
PCB 1260	1.0	1.0 U	1.0 U	1.0 U	1.0 U
SURROGATE RECOVERIES	LIMITS				
DECACHLOROBIPHENYL	30 - 150	99	94	95	101
TETRACHLORO-META-XYLENE	30 - 150	83	79	75	83

ANALYTICAL REPORT SUMMARY

METHOD 8080 PCBs

REPORTED UNITS: UG/WIPE

Dames & Moore

GE URBAN ST

SUBMISSION #: 9712000340

ORDER NUMBER		185755	185757	185758	185759
SAMPLE ID:		SWALL-W1	EWALL-W1	EWALL-W2	WWALL-W1
DATE SAMPLED:		12/18/1997	12/18/1997	12/18/1997	12/18/1997
DATE RECEIVED:	PQL	12/19/1997	12/19/1997	12/19/1997	12/19/1997
DATE EXTRACTED:		12/31/97	12/31/97	12/31/97	12/31/97
DATE ANALYZED:		1/02/98	1/02/98	1/02/98	1/02/98
DILUTION:		1.0	1.0	1.0	1.0
PCB 1016	1.0	1.0 U	1.0 U	1.0 U	1.0 U
PCB 1221	1.0	1.0 U	1.0 U	1.0 U	1.0 U
PCB 1232	1.0	1.0 U	1.0 U	1.0 U	1.0 U
PCB 1242	1.0	1.0 U	1.0 U	1.0 U	1.0 U
CB 1248	1.0	1.0 U	1.0 U	1.0 U	1.0 U
CB 1254	1.0	1.0 U	1.0 U	1.0 U	1.0 U
PCB 1260	1.0	1.0 U	1.0 U	1.0 U	1.0 U
SURROGATE RECOVERIES	LIMITS				
DECACHLOROBIPHENYL	30 - 150	92	104	102	99
TETRACHLORO-META-XYLENE	30 - 150	75	91	83	83

ANALYTICAL REPORT SUMMARY

METHOD 8080 PCBs

REPORTED UNITS: UG/WIPE

Dames & Moore

GE URBAN ST

SUBMISSION #: 9712000340

ORDER NUMBER		185760	185761	185762	185763
SAMPLE ID:		WWALL-W2	WMFLOOR-W2	WMFLOOR-W3	BATHRM-W1
DATE SAMPLED:		12/18/1997	12/18/1997	12/18/1997	12/18/1997
DATE RECEIVED:	PQL	12/19/1997	12/19/1997	12/19/1997	12/19/1997
DATE EXTRACTED:		12/31/97	12/31/97	12/31/97	12/31/97
DATE ANALYZED:		1/02/98	1/02/98	1/02/98	1/02/98
DILUTION:		1.0	1.0	1.0	1.0
PCB 1016	1.0	1.0 U	1.0 U	1.0 U	1.0 U
PCB 1221	1.0	1.0 U	1.0 U	1.0 U	1.0 U
PCB 1232	1.0	1.0 U	1.0 U	1.0 U	1.0 U
PCB 1242	1.0	1.0 U	2.0	1.0 U	1.0 U
PCB 1248	1.0	1.0 U	1.0 U	1.0 U	1.0 U
PCB 1254	1.0	1.0 U	1.0 U	1.0 U	1.0 U
PCB 1260	1.0	1.0 U	17	4.1	13
SURROGATE RECOVERIES	LIMITS				
DECACHLOROBIPHENYL	30 - 150	85	82	96	95
TETRACHLORO-META-XYLENE	30 - 150	82	72	83	101

ANALYTICAL REPORT SUMMARY

METHOD 8080 PCBS

REPORTED UNITS: UG/WIPE

Dames & Moore

GE URBAN ST

SUBMISSION #: 9712000340

ORDER NUMBER		185764	185765
SAMPLE ID:		DRUMRM-W1	STORERM-W1
DATE SAMPLED:		12/18/1997	12/18/1997
DATE RECEIVED:	PQL	12/19/1997	12/19/1997
DATE EXTRACTED:		12/31/97	12/31/97
DATE ANALYZED:		1/02/98	1/09/98
DILUTION:		1.0	5.0
PCB 1016	1.0	1.0 U	5.0 U
PCB 1221	1.0	1.0 U	5.0 U
PCB 1232	1.0	1.0 U	5.0 U
PCB 1242	1.0	1.0 U	5.0 U
PCB 1248	1.0	1.0 U	5.0 U
CB 1254	1.0	1.0 U	5.0 U
PCB 1260	1.0	5.8	49

SURROGATE RECOVERIES	LIMITS		
DECACHLOROBIPHENYL	30 - 150	104	126
TETRACHLORO-META-XYLENE	30 - 150	91	106

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8080 PCBS

Reported: 12/24/97

Project Reference:**Client Sample ID : METHOD BLANK****Date Sampled :****Order #:** 184976**Sample Matrix:** WIPE**Date Received:****Submission #:****Analytical Run** 22619

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/22/97			
DATE ANALYZED : 12/22/97			
ANALYTICAL DILUTION: 1.0			
PCB 1016	1.0	1.0 U	UG/WI
PCB 1221	1.0	1.0 U	UG/WI
PCB 1232	1.0	1.0 U	UG/WI
PCB 1242	1.0	1.0 U	UG/WI
PCB 1248	1.0	1.0 U	UG/WI
PCB 1254	1.0	1.0 U	UG/WI
PCB 1260	1.0	1.0 U	UG/WI

SURROGATE RECOVERIESQC LIMITS

DECACHLOROBIPHENYL
TETRACHLORO-META-XYLENE

(30 - 150 %)
(30 - 150 %)

90 %
82 %

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8080 PCBS

Reported: 01/12/98

Project Reference:**Client Sample ID :** METHOD BLANK**Date Sampled :****Order #:** 186720**Sample Matrix:** WIPE**Date Received:****Submission #:****Analytical Run** 22875

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/30/97			
DATE ANALYZED : 01/02/98			
ANALYTICAL DILUTION: 1.0			
PCB 1016	1.0	1.0 U	UG/WI
PCB 1221	1.0	1.0 U	UG/WI
PCB 1232	1.0	1.0 U	UG/WI
PCB 1242	1.0	1.0 U	UG/WI
PCB 1248	1.0	1.0 U	UG/WI
PCB 1254	1.0	1.0 U	UG/WI
PCB 1260	1.0	1.0 U	UG/WI

SURROGATE RECOVERIESQC LIMITSDECACHLOROBIPHENYL
TETRACHLORO-META-XYLENE(30 - 150 %)
(30 - 150 %)100 %
96 %

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**
METHOD 8080 PCBS
Reported: 01/12/98**Project Reference:****Client Sample ID : METHOD BLANK****Date Sampled :****Order #: 188035****Sample Matrix: WIPE****Date Received:****Submission #:****Analytical Run 22875**

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/31/97			
DATE ANALYZED : 01/09/98			
ANALYTICAL DILUTION: 1.0			
PCB 1016	1.0	1.0 U	UG/WI
PCB 1221	1.0	1.0 U	UG/WI
PCB 1232	1.0	1.0 U	UG/WI
PCB 1242	1.0	1.0 U	UG/WI
PCB 1248	1.0	1.0 U	UG/WI
PCB 1254	1.0	1.0 U	UG/WI
PCB 1260	1.0	1.0 U	UG/WI

SURROGATE RECOVERIES**QC LIMITS****DECACHLOROBIPHENYL**
TETRACHLORO-META-XYLENE**(30 - 150 %)**
(30 - 150 %)**104**
104
%
%

COLMBIA ANALYTICAL SERVICES, INC.

1 Mustard St., Suite 250, P.O. Box 90859, Rochester, NY 14609-06
(716) 288-5380 • FAX (716) 288-8475

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

(800) 695-7222

DATE 12/18/97 PAGE 1 OF 3

PROJECT NAME <u>GE URBAN ST</u>				ANALYSIS REQUESTED												PRESERVATION							
PROJECT MANAGER/CONTACT <u>PETE SMITH</u>																							
COMPANY/ADDRESS <u>DAMES & MOORE 306 S. SOUTHWESTERN</u>																							
<u>RVD STE. 202 ORCHARD PARK, NY 14127</u>																							
TEL <u>(716) 675-7130</u> FAX <u>(716) 675-7130</u>																							
SAMPLER'S SIGNATURE <u>Brad Phillips</u>																							
SAMPLE I.D.	DATE	TIME	LAB I.D.	SAMPLE MATRIX	# OF CONTAINERS	GC/MS VOA's □ 8260 □ 624	GC/MS SVOA's □ 8270A □ 625	GC VOA's □ 8010/8020 □ 601/602	PESTICIDES/CBS □ 8080 □ 608	STAR'S LIST 8021 VOA's □ TOTAL □ TCLP	STAR'S LIST 8270 SVOA's □ TOTAL □ TCLP	TCLP □ METALS □ VOA's □ SVOA's □ H/P	WASTE CHARACTERIZATION □ React □ Corros. □ Ignit.	METALS, TOTAL (LIST BELOW)	METALS, DISSOLVED (LIST BELOW)	PH < 2.0	PH > 12	Other					
CW-W1	12/18/97	1100	185745	WIDE	1																		
CW-W2	"	1110	184619		1																		
CW-W3	"	1120	185747		1																		
CW-W4	"	1130	184620		1																		
CW-W5	"	1140	185748		1																		
CW-W6	"	1150	185749		1																		
C-W1	"	1105	185750		1																		
C-W2	"	1115	184621		1																		
C-W3	"	1125	185751		1																		
C-W4	"	1135	185752		1																		
RELINQUISHED BY: <u>Brad Phillips</u> Signature <u>Brad Phillips</u> Printed Name <u>DAMES & MOORE</u> Firm <u>12/18/97</u> 8 pm Date/Time				RECEIVED BY: <u>Mike Scianella</u> Signature <u>Mike Scianella</u> Printed Name <u>CAS</u> Firm <u>12-19-97</u> 12:00 Date/Time				TURNAROUND REQUIREMENTS 24 hr. 48 hr. 5 day Standard (10-15 working days) Provide Verbal Preliminary Results Provide FAX Preliminary Results Requested Report Date SEE INSTR.				REPORT REQUIREMENTS 1. Routine Report 2. Routine Rep. w/CASE Narrative 3. EPA Level III Validatable Package 4. N.J. Reduced Deliverables Level IV 5. NY ASP/CLP Deliverables 6. Site specific QC.				INVOICE INFORMATION: P.O. #: Bill To:				SAMPLE RECEIPT: Shipping Via: <u>CASMS</u> Shipping #: <u>60</u> Temperature: <u>6°C</u> Submission No: <u>97-12-340</u>			
RELINQUISHED BY: <u>Mike Scianella</u> Signature <u>Mike Scianella</u> Printed Name <u>CAS</u> Firm <u>12-19-97</u> 3:30 Date/Time				RECEIVED BY: <u>Mike Scianella</u> Signature <u>Mike Scianella</u> Printed Name <u>CAS</u> Firm <u>12-19-97</u> 12:00 Date/Time				SPECIAL INSTRUCTIONS/COMMENTS: METALS ORGANICS: ☐ TCL ☐ PPL ☐ AE Only ☐ BN Only ☐ Special List 5 DAY TAT: <u>CW-W2, CW-W4, C-W2</u> HOLD OTHERS UNTIL FURTHER NOTICE															
RELINQUISHED BY: <u>Mike Scianella</u> Signature <u>Mike Scianella</u> Printed Name <u>CAS</u> Firm <u>12-19-97</u> 3:30 Date/Time				RECEIVED BY: <u>Mike Scianella</u> Signature <u>Mike Scianella</u> Printed Name <u>CAS</u> Firm <u>12-19-97</u> 12:00 Date/Time																			
RELINQUISHED BY: <u>Mike Scianella</u> Signature <u>Mike Scianella</u> Printed Name <u>CAS</u> Firm <u>12-19-97</u> 3:30 Date/Time				RECEIVED BY: <u>Mike Scianella</u> Signature <u>Mike Scianella</u> Printed Name <u>CAS</u> Firm <u>12-19-97</u> 12:00 Date/Time																			

65 RAMAPO VALLEY ROAD
MAHWAH, NJ 07430
201-512-3292
FAX 201-512-3362
309 WEST RIDLEY AVE.
RIDLEY PARK, PA 19078
610-521-3083
FAX 610-521-4589

PROJECT NAME <u>CE URBAN ST</u>				ANALYSIS REQUESTED												
PROJECT MANAGER/CONTACT <u>PETE SMITH</u>																
COMPANY/ADDRESS <u>DAMES & MOORE 3065 SOUTH WETTER</u>																
BLVD. <u>STE. 202 ORCHARD PARK, NY 14127</u>																
TEL (716) <u>675-7130</u> FAX (716) <u>675-7130</u>																
SAMPLER'S SIGNATURE <u>Richard P. Phillips</u>																
SAMPLE I.D.	DATE	TIME	LAB I.D.	SAMPLE MATRIX	# OF CONTAINERS	GC/MS VOAs	GC/MS SVOAs	GC VOAs	PESTICIDES/PCBs	STAR'S LIST 8021 VOAs	STAR'S LIST 8270 SVOAs	TCLP	WASTE CHARACTERIZATION	METALS, TOTAL	METALS, DISSOLVED	PRESERVATION
C-W5	12/18/97	1145	184622	WIPE	1	GC/MS VOAs	GC/MS SVOAs	GC VOAs	PESTICIDES/PCBs	STAR'S LIST 8021 VOAs	STAR'S LIST 8270 SVOAs	TCLP	WASTE CHARACTERIZATION	METALS, TOTAL	METALS, DISSOLVED	PH > 12
C-W6		1155	185753		1	GC/MS VOAs	GC/MS SVOAs	GC VOAs	PESTICIDES/PCBs	STAR'S LIST 8021 VOAs	STAR'S LIST 8270 SVOAs	TCLP	WASTE CHARACTERIZATION	METALS, TOTAL	METALS, DISSOLVED	PH < 2.0
NWALL-W1		1205	185754		1	GC/MS VOAs	GC/MS SVOAs	GC VOAs	PESTICIDES/PCBs	STAR'S LIST 8021 VOAs	STAR'S LIST 8270 SVOAs	TCLP	WASTE CHARACTERIZATION	METALS, TOTAL	METALS, DISSOLVED	
NWALL-W2		1210	184623		1	GC/MS VOAs	GC/MS SVOAs	GC VOAs	PESTICIDES/PCBs	STAR'S LIST 8021 VOAs	STAR'S LIST 8270 SVOAs	TCLP	WASTE CHARACTERIZATION	METALS, TOTAL	METALS, DISSOLVED	
SWALL-W1		1215	185755		1	GC/MS VOAs	GC/MS SVOAs	GC VOAs	PESTICIDES/PCBs	STAR'S LIST 8021 VOAs	STAR'S LIST 8270 SVOAs	TCLP	WASTE CHARACTERIZATION	METALS, TOTAL	METALS, DISSOLVED	
SWALL-W2		1220	184624		1	GC/MS VOAs	GC/MS SVOAs	GC VOAs	PESTICIDES/PCBs	STAR'S LIST 8021 VOAs	STAR'S LIST 8270 SVOAs	TCLP	WASTE CHARACTERIZATION	METALS, TOTAL	METALS, DISSOLVED	
EWALL-W1		1225	185757		1	GC/MS VOAs	GC/MS SVOAs	GC VOAs	PESTICIDES/PCBs	STAR'S LIST 8021 VOAs	STAR'S LIST 8270 SVOAs	TCLP	WASTE CHARACTERIZATION	METALS, TOTAL	METALS, DISSOLVED	
EWALL-W2		1230	185758		1	GC/MS VOAs	GC/MS SVOAs	GC VOAs	PESTICIDES/PCBs	STAR'S LIST 8021 VOAs	STAR'S LIST 8270 SVOAs	TCLP	WASTE CHARACTERIZATION	METALS, TOTAL	METALS, DISSOLVED	
WWALL-W1		1235	185759		1	GC/MS VOAs	GC/MS SVOAs	GC VOAs	PESTICIDES/PCBs	STAR'S LIST 8021 VOAs	STAR'S LIST 8270 SVOAs	TCLP	WASTE CHARACTERIZATION	METALS, TOTAL	METALS, DISSOLVED	
WWALL-W2		1240	185760		1	GC/MS VOAs	GC/MS SVOAs	GC VOAs	PESTICIDES/PCBs	STAR'S LIST 8021 VOAs	STAR'S LIST 8270 SVOAs	TCLP	WASTE CHARACTERIZATION	METALS, TOTAL	METALS, DISSOLVED	

RELINQUISHED BY:	RECEIVED BY:
<u>Richard P. Phillips</u> Signature Printed Name Firm Date/Time	<u>Mike Spicatore</u> Signature Printed Name Firm Date/Time
<u>12/18/97 8 PM</u>	<u>12-19-97 12:00</u>

RELINQUISHED BY:	RECEIVED BY:
<u>Mike Spicatore</u> Signature Printed Name Firm Date/Time	<u>Mike Spicatore</u> Signature Printed Name Firm Date/Time
<u>12-19-97 3:30</u>	<u>12/19/97 @ 1530</u>

RELINQUISHED BY:	RECEIVED BY:
<u>Mike Spicatore</u> Signature Printed Name Firm Date/Time	<u>Mike Spicatore</u> Signature Printed Name Firm Date/Time
<u>12-19-97 3:30</u>	<u>12/19/97 @ 1530</u>

REPORT REQUIREMENTS	INVOICE INFORMATION	SAMPLE RECEIPT
1. Routine Report 2. Routine Rep. w/CASE Narrative 3. EPA Level III 4. N.J. Reduced 5. NY ASP/CLP Deliverables 6. Site specific QC.	P.O. #: Bill To:	Shipping Via: <u>CA-MS</u> Shipping #: <u>60</u> Temperature: <u>60</u> Submission No: <u>97-12-340</u>

SPECIAL INSTRUCTIONS/COMMENTS:
METALS ORGANICS: ☐ TCL ☐ PPL ☐ AE Only ☐ BN Only ☐ Special List S-DAY TAT: <u>C-W5, NWALL-W2, SWALL-W2</u> HOLD OTHERS UNTIL FURTHER NOTICE

65 RAMAPO VALLEY ROAD MAHWAH, NJ 07430	201-512-3292 FAX 201-512-3362	309 WEST RIDLEY AVE. RIDLEY PARK, PA 19078	610-521-3083 FAX 610-521-4589
---	----------------------------------	---	----------------------------------

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

1 Mustard St., Suite 250, P.O. Box 90859, Rochester, NY 14609-0
(716) 288-5380 • FAX (716) 288-8475

(800) 695-7222

DATE 12/18/97

PAGE 3 OF 3

[illegible]



A FULL SERVICE ENVIRONMENTAL LABORATORY

June 3, 1999

RECEIVED
Dames & Moore

JUN 8 1999

File# _____

Mr. Pete Smith
Dames & Moore
3065 Southwestern Blvd.
Orchard Park, NY 14127

PROJECT:GE-URBAN STREET
Submission #:9905000415

Dear Mr. Smith:

Enclosed are the analytical results of the analyses requested. The analytical data was provided to you on 06/02/99 per a Facsimile transmittal. All data has been reviewed prior to report submission.

Should you have any questions please contact me at (716) 288-5380.

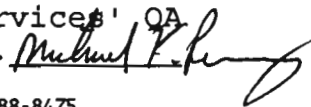
Thank you for letting us provide this service.

Sincerely,

COLUMBIA ANALYTICAL SERVICES

Mark Wilson
Client Service Manager

Enc.

This package has been reviewed by Columbia Analytical Services' QA Department/Laboratory Director prior to report submittal. 



Effective 04/01/96

CAS LIST OF QUALIFIERS

(The basis of this proposal are the EPA-CLP Qualifiers)

- U - Indicates compound was analyzed for but was not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.
- J - Indicates an estimated value. For further explanation see case narrative / cover letter.
- B - This flag is used when the analyte is found in the associated blank as well as in the sample.
- E - This flag identifies compounds whose concentrations exceed the calibration range.
- A - This flag indicates that a TIC is a suspected aldol-condensation product.
- N - Spiked sample recovery not within control limits.
(Flag the entire batch - Inorganic analysis only)
- * - Duplicate analysis not within control limits.
(Flag the entire batch - Inorganic analysis only)
 - Also used to qualify Organics QC data outside limits.
- D - Spike diluted out.
- S - Reported value determined by Method of Standard Additions. (MSA)
- X - As specified in the case narrative.

CAS Lab ID # for State Certifications

NY ID # in Rochester: 10145
CT ID # in Rochester: PH0556
MA ID # in Rochester: M-NY032
OH EPA # in Rochester: VAP

NJ ID # in Rochester: 73004
RI ID # in Rochester: 158
NH ID # in Rochester: 294198-A
AIHA # in Rochester: 7889

ANALYTICAL REPORT SUMMARY

METHOD 8082 PCBs

REPORTED UNITS: UG/KG

Dames & Moore

GE-URBAN STREET

SUBMISSION #: 9905000415

ORDER NUMBER	296114	296115	296116	296117
SAMPLE ID:	F-1	F-2	F-3	F-4
DATE SAMPLED:	05/26/1999	05/26/1999	05/26/1999	05/26/1999
DATE RECEIVED:	PQL 05/27/1999	05/27/1999	05/27/1999	05/27/1999
DATE EXTRACTED:	05/28/99	05/28/99	05/28/99	05/28/99
DATE ANALYZED:	5/28/1999	6/ 1/1999	6/ 1/1999	6/ 1/1999
DILUTION:	1.00	10.00	10.00	20.00
PERCENT SOLID (%):				
PCB 1016	400	400 U	4000 U	8000 U
PCB 1221	400	400 U	4000 U	8000 U
PCB 1232	400	400 U	4000 U	8000 U
PCB 1242	400	400 U	4500	8000 U
PCB 1248	400	400 U	4000 U	8000 U
PCB 1254	400	400 U	4000 U	8000 U
PCB 1260	400	1400	22000	82000

SURROGATE RECOVERIES

LIMITS

DECACHLOROBIPHENYL	30 - 150	96	147	136	D
TETRACHLORO-META-XYLENE	30 - 150	99	134	136	D

ANALYTICAL REPORT SUMMARY

METHOD 8082 PCBS

REPORTED UNITS: UG/KG

Dames & Moore

GE-URBAN STREET

SUBMISSION #: 9905000415

ORDER NUMBER	296119	296124	296126	296127	
SAMPLE ID:	F-5	F-8	F-9	F-10	
DATE SAMPLED:	05/26/1999	05/26/1999	05/26/1999	05/26/1999	
DATE RECEIVED:	PQL 05/27/1999	05/27/1999	05/27/1999	05/27/1999	
DATE EXTRACTED:	05/28/99	05/28/99	05/28/99	05/28/99	
DATE ANALYZED:	6/ 1/1999	6/ 1/1999	5/28/1999	6/ 1/1999	
DILUTION:	50.00	10.00	1.00	20.00	
PERCENT SOLID (%):					
PCB 1016	400	20000 U	4000 U	400 U	8000 U
PCB 1221	400	20000 U	4000 U	400 U	8000 U
PCB 1232	400	20000 U	4000 U	400 U	8000 U
CB 1242	400	20000 U	4000 U	400 U	8000 U
PCB 1248	400	20000 U	4000 U	400 U	8000 U
PCB 1254	400	20000 U	4000 U	400 U	8000 U
PCB 1260	400	90000	32000	2200	88000

SURROGATE RECOVERIES

LIMITS

DECACHLOROBIPHENYL	30 - 150	D	141	93	D
TETRACHLORO-META-XYLENE	30 - 150	D	129	104	D

COLUMBIA ANALYTICAL SERVICES

ANALYTICAL REPORT SUMMARY

METHOD 8082 PCBS

REPORTED UNITS: UG/KG

Dames & Moore

GE-URBAN STREET

SUBMISSION #: 9905000415

ORDER NUMBER		296128	296129	296130	296132
SAMPLE ID:		F-11	F-12	F-13	F-15
DATE SAMPLED:		05/26/1999	05/26/1999	05/26/1999	05/26/1999
DATE RECEIVED:	PQL	05/27/1999	05/27/1999	05/27/1999	05/27/1999
DATE EXTRACTED:		05/28/99	05/28/99	05/28/99	05/28/99
DATE ANALYZED:		6/ 1/1999	6/ 1/1999	6/ 1/1999	6/ 1/1999
DILUTION:		50.00	1000.00	20.00	5.00
PERCENT SOLID (%):					
PCB 1016	400	20000 U	400000 U	8000 U	2000 U
PCB 1221	400	20000 U	400000 U	8000 U	2000 U
PCB 1232	400	20000 U	400000 U	8000 U	2000 U
PCB 1242	400	20000 U	400000 U	8000 U	2000 U
PCB 1248	400	20000 U	400000 U	8000 U	2000 U
PCB 1254	400	20000 U	400000 U	8000 U	2000 U
PCB 1260	400	94000	3000000	64000	13000
SURROGATE RECOVERIES	LIMITS				
DECACHLOROBIPHENYL	30 - 150	D	D	D	143
TETRACHLORO-META-XYLENE	30 - 150	D	D	D	129

ANALYTICAL REPORT SUMMARY

METHOD 8082 PCBs

REPORTED UNITS: UG/KG

Dames & Moore

GE-URBAN STREET

SUBMISSION #: 9905000415

ORDER NUMBER		296134	296136	296138	296139
SAMPLE ID:		F-16	F-17	F-18	F-19
DATE SAMPLED:		05/26/1999	05/26/1999	05/26/1999	05/26/1999
DATE RECEIVED:	PQL	05/27/1999	05/27/1999	05/27/1999	05/27/1999
DATE EXTRACTED:		05/28/99	05/28/99	05/28/99	05/28/99
DATE ANALYZED:		6/ 1/1999	6/ 1/1999	5/28/1999	6/ 1/1999
DILUTION:		5.00	10.00	1.00	10.00
PERCENT SOLID (%):					
PCB 1016	400	2000 U	4000 U	400 U	4000 U
PCB 1221	400	2000 U	4000 U	400 U	4000 U
PCB 1232	400	2000 U	4000 U	400 U	4000 U
PCB 1242	400	2000 U	4000 U	400 U	16000
PCB 1248	400	2000 U	4000 U	400 U	4000 U
PCB 1254	400	2000 U	4000 U	400 U	4000 U
PCB 1260	400	13000	21000	2800	17000
SURROGATE RECOVERIES	LIMITS				
DECACHLOROBIPHENYL	30 - 150	139	149	97	146
TETRACHLORO-META-XYLENE	30 - 150	129	110	70	117

ANALYTICAL REPORT SUMMARY

METHOD 8082 PCBs

REPORTED UNITS: UG/KG

Dames & Moore

GE-URBAN STREET

SUBMISSION #: 9905000415

ORDER NUMBER		296140	296142	296143	296144
SAMPLE ID:		F-20	F-21	F-22	F-23
DATE SAMPLED:		05/26/1999	05/26/1999	05/26/1999	05/26/1999
DATE RECEIVED:	PQL	05/27/1999	05/27/1999	05/27/1999	05/27/1999
DATE EXTRACTED:		05/28/99	05/28/99	05/28/99	05/28/99
DATE ANALYZED:		6/ 1/1999	5/28/1999	6/ 1/1999	6/ 1/1999
DILUTION:		10.00	1.00	20.00	5.00
PERCENT SOLID (%):					
PCB 1016	400	4000 U	400 U	8000 U	2000 U
PCB 1221	400	4000 U	400 U	8000 U	2000 U
PCB 1232	400	4000 U	400 U	8000 U	2000 U
CB 1242	400	4000 U	400 U	8000 U	2000 U
PCB 1248	400	4000 U	400 U	8000 U	2000 U
PCB 1254	400	4000 U	400 U	8000 U	2000 U
PCB 1260	400	46000	2000	83000	10000
SURROGATE RECOVERIES	LIMITS				
DECACHLOROBIPHENYL	30 - 150	142	100	D	129
TETRACHLORO-META-XYLENE	30 - 150	123	69	D	100

ANALYTICAL REPORT SUMMARY

METHOD 8082 PCBs

REPORTED UNITS: UG/KG

Dames & Moore
 GE-URBAN STREET
 SUBMISSION #: 9905000415

ORDER NUMBER		296145	296146	296147	296148
SAMPLE ID:		F-24	F-25	F-27	F-28
DATE SAMPLED:		05/26/1999	05/26/1999	05/26/1999	05/26/1999
DATE RECEIVED:	PQL	05/27/1999	05/27/1999	05/27/1999	05/27/1999
DATE EXTRACTED:		05/28/99	05/28/99	05/28/99	05/28/99
DATE ANALYZED:		6/ 2/1999	6/ 1/1999	6/ 1/1999	6/ 1/1999
DILUTION:		50.00	5.00	10.00	2.00
PERCENT SOLID (%):					
PCB 1016	400	20000 U	2000 U	4000 U	800 U
PCB 1221	400	20000 U	2000 U	4000 U	800 U
PCB 1232	400	20000 U	2000 U	4000 U	800 U
PCB 1242	400	20000 U	2000 U	4000 U	2500
PCB 1248	400	20000 U	2000 U	4000 U	800 U
PCB 1254	400	20000 U	2000 U	4000 U	800 U
PCB 1260	400	100000	9200	25000	6300
SURROGATE RECOVERIES	LIMITS				
DECACHLOROBIPHENYL	30 - 150	D	138	138	102
TETRACHLORO-META-XYLENE	30 - 150	D	121	119	103

ANALYTICAL REPORT SUMMARY

METHOD 8082 PCBS

REPORTED UNITS: UG/WIPE

Dames & Moore

GE-URBAN STREET

SUBMISSION #: 9905000415

ORDER NUMBER		296150	296151	296152
SAMPLE ID:		WM-1	WM-2	STORE-1
DATE SAMPLED:		05/27/1999	05/27/1999	05/27/1999
DATE RECEIVED:	PQL	05/27/1999	05/27/1999	05/27/1999
DATE EXTRACTED:		05/28/99	05/28/99	05/28/99
DATE ANALYZED:		5/28/1999	5/28/1999	5/28/1999
DILUTION:		1.00	1.00	1.00
PCB 1016	1.0	1.0 U	1.0 U	1.0 U
PCB 1221	1.0	1.0 U	1.0 U	1.0 U
PCB 1232	1.0	1.0 U	1.0 U	1.0 U
PCB 1242	1.0	1.0 U	1.0 U	1.0 U
PCB 1248	1.0	1.0 U	1.0 U	1.0 U
PCB 1254	1.0	1.0 U	1.0 U	1.0 U
PCB 1260	1.0	8.0	1.0 U	4.6
SURROGATE RECOVERIES	LIMITS			
DECACHLOROBIPHENYL	30 - 150	63	64	61
TETRACHLORO-META-XYLENE	30 - 150	69	64	63

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8082 PCBS

Reported: 06/03/99

Project Reference:

Client Sample ID : METHOD BLANK

Date Sampled :

Order #: 296293

Sample Matrix: SOLID

Date Received:

Submission #:

Analytical Run 38692

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 05/28/99			
DATE ANALYZED : 05/28/99			
ANALYTICAL DILUTION: 1.00			
PCB 1016	400	400 U	UG/KG
PCB 1221	400	400 U	UG/KG
PCB 1232	400	400 U	UG/KG
PCB 1242	400	400 U	UG/KG
PCB 1248	400	400 U	UG/KG
PCB 1254	400	400 U	UG/KG
PCB 1260	400	400 U	UG/KG

SURROGATE RECOVERIESQC LIMITSDECACHLOROBIPHENYL
TETRACHLORO-META-XYLENE(30 - 150 %)
(30 - 150 %)103 %
103 %

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8082 PCBs

Reported: 06/03/99

Project Reference:

Client Sample ID : METHOD BLANK

Date Sampled :

Order #: 296303

Sample Matrix: WIPE

Date Received:

Submission #:

Analytical Run 38693

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 05/28/99			
DATE ANALYZED : 05/28/99			
ANALYTICAL DILUTION: 1.00			
PCB 1016	1.0	1.0 U	UG/WIPE
PCB 1221	1.0	1.0 U	UG/WIPE
PCB 1232	1.0	1.0 U	UG/WIPE
PCB 1242	1.0	1.0 U	UG/WIPE
PCB 1248	1.0	1.0 U	UG/WIPE
PCB 1254	1.0	1.0 U	UG/WIPE
PCB 1260	1.0	1.0 U	UG/WIPE

SURROGATE RECOVERIESQC LIMITS

DECACHLOROBIPHENYL
TETRACHLORO-META-XYLENE

(30 - 150 %)
(30 - 150 %)

101 %
89 %



Mustard St., Suite 250, Rochester, NY 14607 345
(716) 288-5380 • FAX (716) 288-8475

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

DATE 5/26/99 PAGE 1 OF 2

PROJECT NAME <u>GE - URBAN STREET</u>					ANALYSIS REQUESTED																			
PROJECT MANAGER/CONTACT <u>PETE SMITH</u>																								
COMPANY/ADDRESS <u>DAMES & MOORE</u>																								
3005 SOUTHWESTERN BLVD OROONTO, NY																								
TEL (716) <u>645-7130</u> FAX (716) <u>675-7136</u>																								
SAMPLER'S SIGNATURE <u>[Signature]</u>																								
SAMPLE I.D.	DATE	TIME	FOR OFFICE USE ONLY LAB I.D.	SAMPLE MATRIX	# OF CONTAINERS	GC/MS VOAs 8260 □ 624 □ 95-1	GC/MS SVOAs 8270 □ 625 □ 95-2	GC VOAs 8021 □ 601/602	PESTICIDES/R/CBS 8081 □ 608 □ 95-3	STAR'S LIST 8021 VOAs □ TOTAL □ TCLP	STAR'S LIST 8270 SVOAs □ TOTAL □ TCLP	TCLP □ METALS □ VOAs □ SVOAs □ H/P	WASTE CHARACTERIZATION □ React □ Corros. □ Ignit.	METALS, TOTAL (LIST BELOW)	METALS, DISSOLVED (LIST BELOW)	PRESERVATION								
																	PH < 2.0	PH > 12	Other					
F-1	5/26/99	10:00	296114	Concrete	1																			
F-2	"	"	15		1																			
F-3	"	"	16		1																			
F-4	"	"	17		1																			
F-5	"	11:00	19		1																			
F-8	"	11:00	24		1																			
F-9	"	"	26		1																			
F-10	"	"	27		1																			
RELINQUISHED BY: Signature <u>P Smith</u> Printed Name <u>P Smith</u> Firm <u>Dames & Moore</u> Date/Time <u>5/27/99</u>					TURNAROUND REQUIREMENTS 24 hr. — 48 hr. — 5 day Standard (10-15 working days) Provide Verbal Preliminary Results Provide FAX Preliminary Results Requested Report Date <u>72 hours turn</u>					REPORT REQUIREMENTS ☒ Routine Report ☐ Routine Rep. w/CASE Narrative 3. EPA Level III Validatable Package 4. N.J. Reduced Deliverables Level IV 5. NY ASP/CLP Deliverables 6. Site specific OC.					INVOICE INFORMATION: P.O. #: Bill To: Shipping Via: <u>CLB</u> Shipping #: <u>50</u> Temperature: <u>9905-415</u> Submission No: <u>9905-415</u>					SAMPLE RECEIPT:				
RECEIVED BY: Signature <u>[Signature]</u> Printed Name <u>Mike Scianella</u> Firm <u>PA5</u> Date/Time <u>5/27/99 12:15</u>					SPECIAL INSTRUCTIONS/COMMENTS: METALS ORGANICS: ☐ TCL ☐ PPL ☐ AE Only ☐ BN Only ☐ Special List																			
RELINQUISHED BY: Signature <u>[Signature]</u> Printed Name <u>Mike Scianella</u> Firm <u>PA5</u> Date/Time <u>5/27/99 6:50</u>					RECEIVED BY: Signature <u>[Signature]</u> Printed Name <u>Mike Scianella</u> Firm <u>PA5</u> Date/Time <u>5/27/99 18:50</u>																			
RELINQUISHED BY: Signature _____ Printed Name _____ Firm _____ Date/Time _____					RECEIVED BY: Signature _____ Printed Name _____ Firm _____ Date/Time _____																			

Dm-1-99



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CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

DATE 5/26/99 PAGE 2 OF 2

PROJECT NAME <u>GE URBAN STREET</u>				ANALYSIS REQUESTED																			
PROJECT MANAGER/CONTACT <u>PETE SMITH</u>																							
COMPANY/ADDRESS <u>3045 SOUTHWESTERN BLD DECATUR PARKWAY</u>																							
TEL <u>(716) 625-7130</u> FAX <u>(716) 625-7136</u>																							
SAMPLER'S SIGNATURE <u>[Signature]</u>																							
SAMPLE I.D.	DATE	TIME	FOR OFFICE USE ONLY LAB I.D.	SAMPLE MATRIX	# OF CONTAINERS	GC/MS VOAs □ 8260 □ 624 □ 95-1	GC/MS SVOAs □ 8270 □ 625 □ 95-2	GC VOAs □ 8021 □ 601/602	PESTICIDES/PCBs □ 8081 □ 608 □ 95-3	STAR'S LIST 8021 VOAs □ TOTAL □ TCLP	STAR'S LIST 8270 SVOAs □ TOTAL □ TCLP	TCLP □ METALS □ VOAs □ SVOAs □ H/P	WASTE CHARACTERIZATION □ React □ Corros. □ Ignit.	METALS, TOTAL (LIST BELOW)	METALS, DISSOLVED (LIST BELOW)	PRESERVATION							
F-11	5/26/99	11:30	296/28	Concrete	1												PH < 2.0	PH > 12					
F-12	5/26/99	"	29		1																		
F-13	"	"	30		1																		
F-15	"	12:00	32		1																		
F-14	"	"	34		1																		
F-17	"	"	36		1																		
F-18	"	"	38		1																		
F-19	5/27/99	13:00	39		1																		
F-20	5/27/99	13:00	40		1																		
RELINQUISHED BY: <u>[Signature]</u> Signature <u>Peter Smith</u> Printed Name <u>Peter Smith</u> Firm <u>Dames + Moore</u> Date/Time <u>5/24/99</u>				RECEIVED BY: <u>[Signature]</u> Signature <u>M. Scianthan</u> Printed Name <u>CPA</u> Firm <u>5/27/99 12:45</u> Date/Time				TURNAROUND REQUIREMENTS 24 hr. 48 hr. 5 day Standard (10-15 working days) Provide Verbal Preliminary Results Provide FAX Preliminary Results Requested Report Date <u>72 hr Turn</u>				REPORT REQUIREMENTS 1. Routine Report 2. Routine Rep. w/CASE Narrative 3. EPA Level III Validatable Package 4. N.J. Reduced Deliverables Level IV 5. NY ASP/CLP Deliverables 6. Site specific QC.				INVOICE INFORMATION: P.O. # Bill To: Shipping Via: <u>CPB</u> Shipping #: <u>500-</u> Temperature: Submission No: <u>9905-415</u>				SAMPLE RECEIPT:			
RELINQUISHED BY: <u>[Signature]</u> Signature <u>M. Scianthan</u> Printed Name <u>CPA</u> Firm <u>5/27/99 6:56</u> Date/Time				RECEIVED BY: <u>[Signature]</u> Signature <u>[Signature]</u> Printed Name <u>[Signature]</u> Firm <u>5/27/99 18:50</u> Date/Time				SPECIAL INSTRUCTIONS/COMMENTS: METALS ORGANICS: ☐ TCL ☐ PPL ☐ AE Only ☐ BN Only ☐ Special List															
RELINQUISHED BY: Signature Printed Name Firm Date/Time				RECEIVED BY: Signature Printed Name Firm Date/Time																			

DM-1-99



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245

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

DATE 5/26/99 PAGE 3 OF 3

PROJECT NAME <u>GE- URBAN STREET</u>				ANALYSIS REQUESTED																			
PROJECT MANAGER/CONTACT <u>Pete Smith</u>																							
COMPANY/ADDRESS <u>Danest Home</u>																							
<u>305 Southwestern Blvd Occused Park NY</u>																							
TEL (716) <u>475-730</u> FAX (716) <u>475-7136</u>																							
SAMPLER'S SIGNATURE <u>[Signature]</u>																							
SAMPLE I.D.	DATE	TIME	FOR OFFICE USE ONLY LAB I.D.	SAMPLE MATRIX	# OF CONTAINERS	GC/MS VOAs 8260 □ 624 □ 95-1	GC/MS SVOAs 8270 □ 625 □ 95-2	GC VOAs 8021 □ 601/602	PESTICIDES/PCBs 8081 □ 608 □ 95-3	STARS LIST 8021 VOAs TOTAL □ TCLP	STARS LIST 8270 SVOAs TOTAL □ TCLP	TCLP □ METALS VOAs □ SVOAs □ H/P	WASTE CHARACTERIZATION React □ Corros. □ Ignit.	METALS, TOTAL (LIST BELOW)	METALS, DISSOLVED (LIST BELOW)	PRESERVATION							
																	PH < 2.0	PH > 12	Other				
E-21	5/26/99	13:00	296/42	Concrete	1																		
E-22	5/26/99	"	43	"	1																		
E-23	5/26/99	"	44	"	1																		
E-24	5/26/99	"	45	"	1																		
E-25	5/26/99	13:30	46	"	1																		
E-27	5/27/99	13:30	47	"	1																		
E-28	5/27/99	13:30	48	"	1																		
RELINQUISHED BY: <u>Pete Smith</u> Signature <u>[Signature]</u> Printed Name <u>Pete Smith</u> Firm <u>Danest Home</u> Date/Time <u>5/27/99</u>				RECEIVED BY: <u>Mike Scianella</u> Signature <u>[Signature]</u> Printed Name <u>Mike Scianella</u> Firm <u>CAS</u> Date/Time <u>5/27/99 12:43</u>				TURNAROUND REQUIREMENTS 24 hr □ 48 hr □ 5 day □ Standard (10-15 working days) Provide Verbal Preliminary Results Provide FAX Preliminary Results Requested Report Date <u>72 hr TAN</u>				REPORT REQUIREMENTS 1. Routine Report 2. Routine Rep. w/CASE Narrative 3. EPA Level III Validatable Package 4. N.J. Reduced Deliverables Level IV 5. NY ASP/CLP Deliverables 6. Site specific QC.				INVOICE INFORMATION: P.O. #: <u>CAS</u> Bill To: <u>5.0</u> Submission No: <u>9905-415</u>				SAMPLE RECEIPT: Shipping Via: <u>CAS</u> Shipping #: <u>5.0</u> Temperature: <u>5.0</u>			
RELINQUISHED BY: <u>Mike Scianella</u> Signature <u>[Signature]</u> Printed Name <u>Mike Scianella</u> Firm <u>CAS</u> Date/Time <u>5/27/99 6:50</u>				RECEIVED BY: <u>[Signature]</u> Signature <u>[Signature]</u> Printed Name <u>[Signature]</u> Firm <u>[Signature]</u> Date/Time <u>5/27/99 18:50</u>				SPECIAL INSTRUCTIONS/COMMENTS: METALS ORGANICS: ☐ TCL ☐ PPL ☐ AE Only ☐ BN Only ☐ Special List															
RELINQUISHED BY: <u>[Signature]</u> Signature <u>[Signature]</u> Printed Name <u>[Signature]</u> Firm <u>[Signature]</u> Date/Time <u>[Signature]</u>				RECEIVED BY: <u>[Signature]</u> Signature <u>[Signature]</u> Printed Name <u>[Signature]</u> Firm <u>[Signature]</u> Date/Time <u>[Signature]</u>																			

DM-1-99

CHAIN C: CUSTODY/LABORATORY ANALYSIS REQUEST FORM

DATE 5/27/77 PAGE 1 OF 1

PAGE 7 OF

FO

[illegible]

Dm-2-99

**Columbia Analytical Services Inc.
Cooler Receipt And Preservation Check Form**

Project/Client Dumes Submission Number 5-415

Cooler received on 5/27/99 and opened on 5/27/99 by BC

1. Were custody seals on outside of cooler? YES NO YES
If yes, how many and where? CAS Delivered
2. Were signature & date correct? YES NO
3. Were custody papers properly filled out (ink, signed, etc)? YES NO
4. Did all bottles arrive in good condition (unbroken)? YES NO
5. Were all bottle labels complete (i.e. analysis, preservation, etc)? YES NO
6. Did all bottle labels and tags agree with custody papers? YES NO
7. Were correct bottles used for the tests indicated? YES NO
8. Were VOA vials checked for absence of air bubbles, and noted if so? YES NO
9. Where did the bottles originate? CAS/A CAS/K CAS/S CAS/L CAS/X CAS/J CAS/R
10. Temperature of cooler(s) upon receipt: 5.0°
Is the temperature within $4 \pm 2^\circ \text{C}$? Yes ☒ Yes ☐ Yes ☐ Yes ☐ Yes ☐
If No, Explain Below No ☐ No ☐ No ☐ No ☐ No ☐
Date/Time Temperatures Taken: 5/27/99 1400
Thermometer ID: 131 Circle One: Temp Blank Sample Bottle Cooler Temp.

Explain any discrepancies: _____

		YES	NO	Sample I.D.	Reagent	Vol. Added
pH	Reagent					
12	NaOH					
2	HNO ₃					
2	H ₂ SO ₄					
5-9*	P/PCBs (608 only)					

YES = All samples OK

NO = Samples were preserved at lab as listed

*If pH adjustment is required, use NaOH and/or H₂SO₄

VOC Vial pH Verification (Tested after Analysis) Following Samples Exhibited pH > 2				

CLIENT NOTIFICATION: _____



A FULL SERVICE ENVIRONMENTAL LABORATORY

June 10, 1999

Mr. Pete Smith
Dames & Moore
3065 Southwestern Blvd.
Orchard Park, NY 14127

PROJECT:GE-URBAN STREET
Submission #:9906000087

Dear Mr. Smith

Enclosed are the analytical results of the analyses requested. All data has been reviewed prior to report submission. Should you have any questions please contact me at (716) 288-5380.

Thank you for letting us provide this service.

Sincerely,

COLUMBIA ANALYTICAL SERVICES

A handwritten signature in cursive script, appearing to read 'Mark Wilson', is written over the typed name.

Mark Wilson
Client Service Manager

Enc.

RECEIVED
Dames & Moore

JUN 14 1999

File# A handwritten arrow pointing to the right, indicating the file number.

This package has been reviewed by Columbia Analytical Services' QA Department/Laboratory Director prior to report submittal. A handwritten signature, likely of the QA Director, is written over the text.



Effective 04/01/96

CAS LIST OF QUALIFIERS

(The basis of this proposal are the EPA-CLP Qualifiers)

- U - Indicates compound was analyzed for but was not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.
- J - Indicates an estimated value. For further explanation see case narrative / cover letter.
- B - This flag is used when the analyte is found in the associated blank as well as in the sample.
- E - This flag identifies compounds whose concentrations exceed the calibration range.
- A - This flag indicates that a TIC is a suspected aldol-condensation product.
- N - Spiked sample recovery not within control limits.
(Flag the entire batch - Inorganic analysis only)
- * - Duplicate analysis not within control limits.
(Flag the entire batch - Inorganic analysis only)
 - Also used to qualify Organics QC data outside limits.
- D - Spike diluted out.
- S - Reported value determined by Method of Standard Additions. (MSA)
- X - As specified in the case narrative.

CAS Lab ID # for State Certifications

NY ID # in Rochester: 10145
CT ID # in Rochester: PH0556
MA ID # in Rochester: M-NY032
OH EPA # in Rochester: VAP

NJ ID # in Rochester: 73004
RI ID # in Rochester: 158
NH ID # in Rochester: 294198-A
AIHA # in Rochester: 7889

ANALYTICAL REPORT SUMMARY

METHOD 8082 PCBS

REPORTED UNITS: UG/WIPE

Dames & Moore

GE-URBAN STREET

SUBMISSION #: 9906000087

ORDER NUMBER		297694	297695	297696	297697
SAMPLE ID:		WM-5	WM-6	WM-7	WM-8
DATE SAMPLED:		06/04/1999	06/04/1999	06/04/1999	06/04/1999
DATE RECEIVED:	PQL	06/04/1999	06/04/1999	06/04/1999	06/04/1999
DATE EXTRACTED:		06/08/99	06/08/99	06/08/99	06/08/99
DATE ANALYZED:		6/ 9/1999	6/ 9/1999	6/ 9/1999	6/ 9/1999
DILUTION:		1.00	1.00	1.00	1.00
PCB 1016	1.0	1.0 U	1.0 U	1.0 U	1.0 U
PCB 1221	1.0	1.0 U	1.0 U	1.0 U	1.0 U
PCB 1232	1.0	1.0 U	1.0 U	1.0 U	1.0 U
PCB 1242	1.0	1.0 U	1.0 U	1.0 U	1.0 U
PCB 1248	1.0	1.0 U	1.0 U	1.0 U	1.0 U
PCB 1254	1.0	1.0 U	1.0 U	1.0 U	1.0 U
PCB 1260	1.0	1.6	1.3	1.0 U	1.0 U
SURROGATE RECOVERIES	LIMITS				
DECACHLOROBIPHENYL	30 - 150	92	78	91	85
TETRACHLORO-META-XYLENE	30 - 150	87	74	85	80

ANALYTICAL REPORT SUMMARY

METHOD 8082 PCBS

REPORTED UNITS: UG/WIPE

Dames & Moore
GE-URBAN STREET
SUBMISSION #: 9906000087

ORDER NUMBER		297698	297699	297700	297701
SAMPLE ID:		WM-9	WM-10	DRUM-1	BATHROOM-1
DATE SAMPLED:		06/04/1999	06/04/1999	06/04/1999	06/04/1999
DATE RECEIVED:	PQL	06/04/1999	06/04/1999	06/04/1999	06/04/1999
DATE EXTRACTED:		06/08/99	06/08/99	06/08/99	06/08/99
DATE ANALYZED:		6/ 9/1999	6/ 9/1999	6/ 9/1999	6/ 9/1999
DILUTION:		1.00	1.00	1.00	1.00
PCB 1016	1.0	1.0 U	1.0 U	1.0 U	1.0 U
PCB 1221	1.0	1.0 U	1.0 U	1.0 U	1.0 U
PCB 1232	1.0	1.0 U	1.0 U	1.0 U	1.0 U
PCB 1242	1.0	1.0 U	1.0 U	1.0 U	1.0 U
PCB 1248	1.0	1.0 U	1.0 U	1.0 U	1.0 U
PCB 1254	1.0	1.0 U	1.0 U	1.0 U	1.0 U
PCB 1260	1.0	1.0 U	1.8	1.6	1.2
SURROGATE RECOVERIES	LIMITS				
DECACHLOROBIPHENYL	30 - 150	88	86	90	91
TETRACHLORO-META-XYLENE	30 - 150	82	81	84	86

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8082 PCBS

Reported: 06/10/99

Project Reference:

Client Sample ID : METHOD BLANK

Date Sampled :

Order #: 298017

Sample Matrix: WIPE

Date Received:

Submission #:

Analytical Run 38986

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 06/08/99			
DATE ANALYZED : 06/09/99			
ANALYTICAL DILUTION: 1.00			
PCB 1016	1.0	1.0 U	UG/WIPE
PCB 1221	1.0	1.0 U	UG/WIPE
PCB 1232	1.0	1.0 U	UG/WIPE
PCB 1242	1.0	1.0 U	UG/WIPE
PCB 1248	1.0	1.0 U	UG/WIPE
PCB 1254	1.0	1.0 U	UG/WIPE
PCB 1260	1.0	1.0 U	UG/WIPE

SURROGATE RECOVERIESQC LIMITS

DECACHLOROBIPHENYL
TETRACHLORO-META-XYLENE

(30 - 150 %)
(30 - 150 %)

87 %
85 %

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

[illegible]

**Columbia Analytical Services Inc.
Cooler Receipt And Preservation Check Form**

Project/Client Dem Submission Number 6-87

Cooler received on 6/4/99 and opened on 6/4/99 by MS

1. Were custody seals on outside of cooler? hard delivered YES ☒ NO ☐
2. Were signature & date correct? YES ☐ NO ☐
3. Were custody papers properly filled out (ink, signed, etc)? ☒ YES ☐ NO
4. Did all bottles arrive in good condition (unbroken)? ☒ YES ☐ NO
5. Were all bottle labels complete (i.e. analysis, preservation, etc)? ☒ YES ☐ NO
6. Did all bottle labels and tags agree with custody papers? ☒ YES ☐ NO
7. Were correct bottles used for the tests indicated? ☒ YES ☐ NO
8. Were VOA vials checked for absence of air bubbles, and noted if so? YES ☐ NO ☐
9. Where did the bottles originate? CAS/A CAS/K CAS/S CAS/L CAS/X CAS/J ☒ CAS/R
10. Temperature of cooler(s) upon receipt: 4.9
 Is the temperature within $4 \pm 2^\circ \text{C}$? Yes ☒ No ☐ Yes ☐ No ☐ Yes ☐ No ☐ Yes ☐ No ☐
 If No, Explain Below
 Date/Time Temperatures Taken: 6/4/99 16:18
 Thermometer ID: #139 Circle One: Temp Blank Sample Bottle ☒ Cooler Temp.

Explain any discrepancies: _____

		YES	NO	Sample I.D.	Reagent	Vol. Added
pH	Reagent					
12	NaOH					
2	HNO ₃					
2	H ₂ SO ₄					
5-9*	P/PCBs (608 only)					

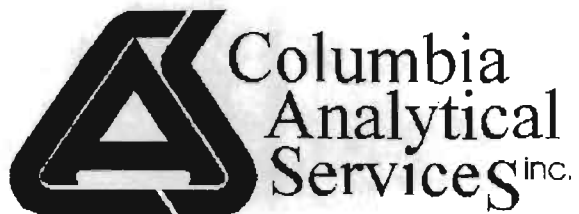
YES = All samples OK

NO = Samples were preserved at lab as listed

*If pH adjustment is required, use NaOH and/or H₂SO₄

VOC Vial pH Verification (Tested after Analysis) Following Samples Exhibited pH > 2			

CLIENT NOTIFICATION: _____



A FULL SERVICE ENVIRONMENTAL LABORATORY

June 11, 1999

RECEIVED
Dames & Moore

JUN 16 1999

File# _____

Mr. Pete Smith
Dames & Moore
3065 Southwestern Blvd.
Orchard Park, NY 14127

PROJECT:GE-URBAN STREET
Submission #:9906000124

Dear Mr. Smith:

Enclosed are the analytical results of the analyses requested. The analytical data was provided to you on 06/10/99 per a Facsimile transmittal. All data has been reviewed prior to report submission.

Should you have any questions please contact me at (716) 288-5380.

Thank you for letting us provide this service.

Sincerely,

COLUMBIA ANALYTICAL SERVICES

Mark Wilson
Client Service Manager

Enc.

This package has been reviewed by Columbia Analytical Services' QA Department/Laboratory Director prior to report submittal.



Effective 04/01/96

CAS LIST OF QUALIFIERS

(The basis of this proposal are the EPA-CLP Qualifiers)

- U - Indicates compound was analyzed for but was not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.
- J - Indicates an estimated value. For further explanation see case narrative / cover letter.
- B - This flag is used when the analyte is found in the associated blank as well as in the sample.
- E - This flag identifies compounds whose concentrations exceed the calibration range.
- A - This flag indicates that a TIC is a suspected aldol-condensation product.
- N - Spiked sample recovery not within control limits.
(Flag the entire batch - Inorganic analysis only)
- * - Duplicate analysis not within control limits.
(Flag the entire batch - Inorganic analysis only)
- Also used to qualify Organics QC data outside limits.
- D - Spike diluted out.
- S - Reported value determined by Method of Standard Additions. (MSA)
- X - As specified in the case narrative.

CAS Lab ID # for State Certifications

NY ID # in Rochester: 10145
CT ID # in Rochester: PH0556
MA ID # in Rochester: M-NY032
OH EPA # in Rochester: VAP

NJ ID # in Rochester: 73004
RI ID # in Rochester: 158
NH ID # in Rochester: 294198-A
AIHA # in Rochester: 7889

COLUMBIA ANALYTICAL SERVICES

ANALYTICAL REPORT SUMMARY

METHOD 8082 PCBS

REPORTED UNITS: UG/WIPE

Dames & Moore

GE-URBAN STREET

SUBMISSION #: 9906000124

ORDER NUMBER		298326	298327	298328	298329
SAMPLE ID:		NW-5	EW-3	P-3	COMP-3
DATE SAMPLED:		06/04/1999	06/04/1999	06/07/1999	06/08/1999
DATE RECEIVED:	PQL	06/08/1999	06/08/1999	06/08/1999	06/08/1999
DATE EXTRACTED:		06/09/99	06/09/99	06/09/99	06/09/99
DATE ANALYZED:		6/ 9/1999	6/ 9/1999	6/ 9/1999	6/ 9/1999
DILUTION:		1.00	1.00	1.00	1.00
PCB 1016	1.0	1.0 U	1.0 U	1.0 U	1.0 U
PCB 1221	1.0	1.0 U	1.0 U	1.0 U	1.0 U
PCB 1232	1.0	1.0 U	1.0 U	1.0 U	1.0 U
PCB 1242	1.0	1.0 U	1.0 U	1.0 U	1.0 U
PCB 1248	1.0	1.0 U	1.0 U	1.0 U	1.0 U
PCB 1254	1.0	1.0 U	1.0 U	1.0 U	1.0 U
PCB 1260	1.0	1.4	1.0 U	1.0 U	1.8
SURROGATE RECOVERIES	LIMITS				
DECACHLOROBIPHENYL	30 - 150	108	100	102	100
TETRACHLORO-META-XYLENE	30 - 150	101	95	99	99

ANALYTICAL REPORT SUMMARY

METHOD 8082 PCBS

REPORTED UNITS: UG/KG

Dames & Moore
GE-URBAN STREET
SUBMISSION #: 9906000124

ORDER NUMBER	298332
SAMPLE ID:	P-6
DATE SAMPLED:	06/07/1999
DATE RECEIVED:	PQL 06/08/1999

DATE EXTRACTED:	06/09/99
DATE ANALYZED:	6/ 9/1999
DILUTION:	1.00
PERCENT SOLID (%):	

PCB 1016	400	400 U
PCB 1221	400	400 U
PCB 1232	400	400 U
PCB 1242	400	400 U
PCB 1248	400	400 U
PCB 1254	400	400 U
PCB 1260	400	1400

SURROGATE RECOVERIES	LIMITS	
DECACHLOROBIPHENYL	30 - 150	109
TETRACHLORO-META-XYLENE	30 - 150	96

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS

METHOD 8082 PCBS

Reported: 06/11/99

Project Reference:

Client Sample ID : METHOD BLANK

Date Sampled :	Order #: 298393	Sample Matrix: WIPE
Date Received:	Submission #:	Analytical Run 39059

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 06/09/99			
DATE ANALYZED : 06/09/99			
ANALYTICAL DILUTION: 1.00			
PCB 1016	1.0	1.0 U	UG/WIPE
PCB 1221	1.0	1.0 U	UG/WIPE
PCB 1232	1.0	1.0 U	UG/WIPE
PCB 1242	1.0	1.0 U	UG/WIPE
PCB 1248	1.0	1.0 U	UG/WIPE
PCB 1254	1.0	1.0 U	UG/WIPE
PCB 1260	1.0	1.0 U	UG/WIPE

<u>SURROGATE RECOVERIES</u>	<u>QC LIMITS</u>		
DECACHLOROBIPHENYL	(30 - 150 %)	101	%
TETRACHLORO-META-XYLENE	(30 - 150 %)	98	%

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8082 PCBS

Reported: 06/11/99

Project Reference:

Client Sample ID : METHOD BLANK

Date Sampled :	Order #: 298401	Sample Matrix: SOLID
Date Received:	Submission #:	Analytical Run 39060

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED	: 06/09/99		
DATE ANALYZED	: 06/09/99		
ANALYTICAL DILUTION:	1.00		
PCB 1016	400	400 U	UG/KG
PCB 1221	400	400 U	UG/KG
PCB 1232	400	400 U	UG/KG
PCB 1242	400	400 U	UG/KG
PCB 1248	400	400 U	UG/KG
PCB 1254	400	400 U	UG/KG
PCB 1260	400	400 U	UG/KG

<u>SURROGATE RECOVERIES</u>	<u>QC LIMITS</u>		
DECACHLOROBIPHENYL	(30 - 150 %)	95	%
TETRACHLORO-META-XYLENE	(30 - 150 %)	89	%



245

245

PAGE 7 OF 7

[illegible]

Project/Client James Moore Submission Number 6-124

1.	Were custody seals on outside of cooler? If yes, how many and where? _____	YES	NO
2.	Were signature & date correct?	YES	NO
3.	Were custody papers properly filled out (ink, signed, etc)?	YES	NO
4.	Did all bottles arrive in good condition (unbroken)?	YES	NO
5.	Were all bottle labels complete (i.e. analysis, preservation, etc)?	YES	NO
6.	Did all bottle labels and tags agree with custody papers?	YES	NO
7.	Were correct bottles used for the tests indicated?	YES	NO
8.	Were VOA vials checked for absence of air bubbles, and noted if so?	YES	NO
9.	Where did the bottles originate? CAS/A CAS/K CAS/S CAS/L CAS/X CAS/J CAS/R		
10.	Temperature of cooler(s) upon receipt: <u>3.5</u>		

Yes ☒ Yes ☐ Yes ☐ Yes ☐ Yes ☐

No ☐ No ☐ No ☐ No ☐ No ☐

Thermometer ID: #139 **Circle One:** Temp Blank Sample Bottle Cooler Temp.

Explain any discrepancies: _____

		YES	NO	Sample I.D.	Reagent	Vol. Added
pH	Reagent					
12	NaOH					
2	HNO ₃					
2	H ₂ SO ₄					
5-9*	P/PCBs (608 only)					

*If pH adjustment is required, use NaOH and/or H₂SO₄.

VOC Vial pH Verification (Tested after Analysis) Following Samples Exhibited pH > 2				

CLIENT NOTIFICATION: _____

[illegible]



A FULL SERVICE ENVIRONMENTAL LABORATORY

July 8, 1999

RECEIVED
Dames & Moore

JUL 12 1999

File # _____

Mr. Pete Smith
Dames & Moore
3065 Southwestern Blvd.
Orchard Park, NY 14127

PROJECT:GE-URBAN STREET
Submission #:9906000444

Dear Mr. Smith:

Enclosed are the analytical results of the analyses requested. The analytical data was provided to you on 07/01/99 per a Facsimile transmittal. All data has been reviewed prior to report submission.

Should you have any questions please contact me at (716) 288-5380.

Thank you for letting us provide this service.

Sincerely,

COLUMBIA ANALYTICAL SERVICES

Mark Wilson for

Mark Wilson
Client Service Manager

Enc.

This package has been reviewed by Columbia Analytical Services' QA Department/Laboratory Director prior to report submittal. *Michael K. Perry*



Effective 04/01/96

CAS LIST OF QUALIFIERS

(The basis of this proposal are the EPA-CLP Qualifiers)

- U - Indicates compound was analyzed for but was not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.
- J - Indicates an estimated value. For further explanation see case narrative / cover letter.
- B - This flag is used when the analyte is found in the associated blank as well as in the sample.
- E - This flag identifies compounds whose concentrations exceed the calibration range.
- A - This flag indicates that a TIC is a suspected aldol-condensation product.
- N - Spiked sample recovery not within control limits.
(Flag the entire batch - Inorganic analysis only)
- * - Duplicate analysis not within control limits.
(Flag the entire batch - Inorganic analysis only)
 - Also used to qualify Organics QC data outside limits.
- D - Spike diluted out.
- S - Reported value determined by Method of Standard Additions. (MSA)
- X - As specified in the case narrative.

CAS Lab ID # for State Certifications

NY ID # in Rochester: 10145
CT ID # in Rochester: PH0556
MA ID # in Rochester: M-NY032
OH EPA # in Rochester: VAP

NJ ID # in Rochester: 73004
RI ID # in Rochester: 158
NH ID # in Rochester: 294198-A
AIHA # in Rochester: 7889

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8082 PCBS

Reported: 07/08/99

Dames & Moore

Project Reference: GE-URBAN STREET

Client Sample ID : SS-6

Date Sampled : 06/23/99

Order #: 303733

Sample Matrix: SOIL/SEDIMENT

Date Received: 06/29/99

Submission #: 9906000444

Percent Solid: 87.8

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED	: 06/30/99		
DATE ANALYZED	: 06/30/99		
ANALYTICAL DILUTION:	1.00		Dry Weight
PCB 1016	400	460 U	UG/KG
PCB 1221	400	460 U	UG/KG
PCB 1232	400	460 U	UG/KG
PCB 1242	400	460 U	UG/KG
PCB 1248	400	460 U	UG/KG
PCB 1254	400	460 U	UG/KG
PCB 1260	400	460 U	UG/KG

SURROGATE RECOVERIESQC LIMITSDECACHLOROBIPHENYL
TETRACHLORO-META-XYLENE(30 - 150 %)
(30 - 150 %)99 %
106 %

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8082 PCBS

Reported: 07/08/99

Dames & Moore

Project Reference: GE-URBAN STREET

Client Sample ID : SS-12

Date Sampled : 06/29/99 Order #: 303734 Sample Matrix: SOIL/SEDIMENT

Date Received: 06/29/99 Submission #: 9906000444 Percent Solid: 90.9

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 06/30/99			
DATE ANALYZED : 06/30/99			
ANALYTICAL DILUTION: 1.00			Dry Weight
PCB 1016	400	440 U	UG/KG
PCB 1221	400	440 U	UG/KG
PCB 1232	400	440 U	UG/KG
PCB 1242	400	440 U	UG/KG
PCB 1248	400	440 U	UG/KG
PCB 1254	400	440 U	UG/KG
PCB 1260	400	440 U	UG/KG

SURROGATE RECOVERIESQC LIMITSDECACHLOROBIPHENYL
TETRACHLORO-META-XYLENE(30 - 150 %)
(30 - 150 %)100 %
107 %

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8082 PCBS

Reported: 07/08/99

Dames & Moore

Project Reference: GE-URBAN STREET

Client Sample ID : WW-5

Date Sampled : 06/28/99

Order #: 303735

Sample Matrix: WIPE

Date Received: 06/29/99

Submission #: 9906000444

Analytical Run 39715

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 06/30/99			
DATE ANALYZED : 06/30/99			
ANALYTICAL DILUTION: 1.00			
PCB 1016	1.0	1.0 U	UG/WIPE
PCB 1221	1.0	1.0 U	UG/WIPE
PCB 1232	1.0	1.0 U	UG/WIPE
PCB 1242	1.0	1.0 U	UG/WIPE
PCB 1248	1.0	1.0 U	UG/WIPE
PCB 1254	1.0	1.0 U	UG/WIPE
PCB 1260	1.0	1.0 U	UG/WIPE

SURROGATE RECOVERIESQC LIMITSDECACHLOROBIPHENYL
TETRACHLORO-META-XYLENE(30 - 150 %)
(30 - 150 %)107 %
112 %

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8082 PCBS

Reported: 07/08/99

Dames & Moore

Project Reference: GE-URBAN STREET

Client Sample ID : JM-4

Date Sampled : 06/28/99 Order #: 303736 Sample Matrix: WIPE
Date Received: 06/29/99 Submission #: 9906000444 Analytical Run 39715

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED	: 06/30/99		
DATE ANALYZED	: 06/30/99		
ANALYTICAL DILUTION:	1.00		
PCB 1016	1.0	1.0 U	UG/WIPE
PCB 1221	1.0	1.0 U	UG/WIPE
PCB 1232	1.0	1.0 U	UG/WIPE
PCB 1242	1.0	1.0 U	UG/WIPE
PCB 1248	1.0	1.0 U	UG/WIPE
PCB 1254	1.0	1.0 U	UG/WIPE
PCB 1260	1.0	1.0 U	UG/WIPE

<u>SURROGATE RECOVERIES</u>	<u>QC LIMITS</u>		
DECACHLOROBIPHENYL	(30 - 150 %)	103	%
TETRACHLORO-META-XYLENE	(30 - 150 %)	109	%

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8082 PCBS

Reported: 07/08/99

Project Reference:

Client Sample ID : METHOD BLANK

Date Sampled :	Order #: 303811	Sample Matrix: SOIL/SEDIMENT
Date Received:	Submission #:	Percent Solid: 100

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 06/30/99			
DATE ANALYZED : 06/30/99			
ANALYTICAL DILUTION: 1.00			Dry Weight
PCB 1016	400	400 U	UG/KG
PCB 1221	400	400 U	UG/KG
PCB 1232	400	400 U	UG/KG
PCB 1242	400	400 U	UG/KG
PCB 1248	400	400 U	UG/KG
PCB 1254	400	400 U	UG/KG
PCB 1260	400	400 U	UG/KG

SURROGATE RECOVERIESQC LIMITS

DECACHLOROBIPHENYL	(30 - 150 %)	100	%
TETRACHLORO-META-XYLENE	(30 - 150 %)	105	%

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8082 PCBS

Reported: 07/08/99

Project Reference:

Client Sample ID : METHOD BLANK

Date Sampled :	Order #: 303813	Sample Matrix: WIPE
Date Received:	Submission #:	Analytical Run 39715

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 06/30/99			
DATE ANALYZED : 06/30/99			
ANALYTICAL DILUTION: 1.00			
PCB 1016	1.0	1.0 U	UG/WIPE
PCB 1221	1.0	1.0 U	UG/WIPE
PCB 1232	1.0	1.0 U	UG/WIPE
PCB 1242	1.0	1.0 U	UG/WIPE
PCB 1248	1.0	1.0 U	UG/WIPE
PCB 1254	1.0	1.0 U	UG/WIPE
PCB 1260	1.0	1.0 U	UG/WIPE

<u>SURROGATE RECOVERIES</u>	<u>QC LIMITS</u>		
DECACHLOROBIPHENYL	(30 - 150 %)	101	%
TETRACHLORO-META-XYLENE	(30 - 150 %)	105	%

[illegible]

**Columbia Analytical Services Inc.
Cooler Receipt And Preservation Check Form**

Project/Client DAMES & MOORE Submission Number 99-60-444

Cooler received on 6/29/99 and opened on 6/29/99 by BC

1. Were custody seals on outside of cooler? YES ☒ NO ☐ CAS
If yes, how many and where? _____
2. Were signature & date correct? ☒ YES ☐ NO Delivered
3. Were custody papers properly filled out (ink, signed, etc)? ☒ YES ☐ NO
4. Did all bottles arrive in good condition (unbroken)? ☒ YES ☐ NO
5. Were all bottle labels complete (i.e. analysis, preservation, etc)? ☒ YES ☐ NO
6. Did all bottle labels and tags agree with custody papers? ☒ YES ☐ NO
7. Were correct bottles used for the tests indicated? ☒ YES ☐ NO
8. Were VOA vials checked for absence of air bubbles, and noted if so? YES ☐ NO ☐
9. Where did the bottles originate? CAS/A CAS/K CAS/S CAS/L CAS/X CAS/J CAS/R
10. Temperature of cooler(s) upon receipt: 17.2 _____
Is the temperature within $4 \pm 2^\circ \text{C}$? Yes ☐ Yes ☐ Yes ☐ Yes ☐ Yes ☐
If No, Explain Below No ☒ No ☐ No ☐ No ☐ No ☐
Date/Time Temperatures Taken: 6/29/99 1650
Thermometer ID: 139 Circle One: Temp Blank Sample Bottle Cooler Temp.

Explain any discrepancies: _____

		YES	NO	Sample I.D.	Reagent	Vol. Added
pH	Reagent					
12	NaOH					
2	HNO ₃					
2	H ₂ SO ₄					
5-9*	P/PCBs (608 only)					

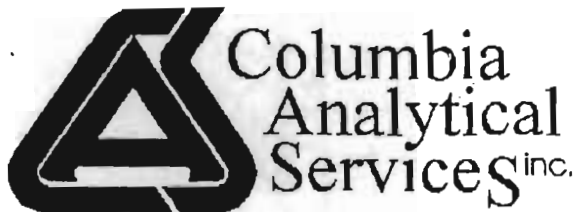
YES = All samples OK

NO = Samples were preserved at lab as listed

*If pH adjustment is required, use NaOH and/or H₂SO₄

VOC Vial pH Verification (Tested after Analysis) Following Samples Exhibited pH > 2				

CLIENT NOTIFICATION: _____



Columbia
Analytical
Services^{inc.}

A FULL SERVICE ENVIRONMENTAL LABORATORY

RECEIVED
Dames & Moore

JUL 28 1999

File# _____

July 22, 1999

Mr. Pete Smith
Dames & Moore
3065 Southwestern Blvd.
Orchard Park, NY 14127

PROJECT:GE URBAN STREET
Submission #:9907000223

Dear Mr. Smith:

Enclosed are the analytical results of the analyses requested. The analytical data was provided to you on 07/19/99 per a Facsimile transmittal. All data has been reviewed prior to report submission.

Should you have any questions please contact me at (716) 288-5380.

Thank you for letting us provide this service.

Sincerely,

COLUMBIA ANALYTICAL SERVICES

Mark Wilson
Client Service Manager

Enc.

This package has been reviewed by Columbia Analytical Services' QA Department/Laboratory Director prior to report submittal. *MMS 7/23/99*



Effective 04/01/96

CAS LIST OF QUALIFIERS

(The basis of this proposal are the EPA-CLP Qualifiers)

- U - Indicates compound was analyzed for but was not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.
- J - Indicates an estimated value. For further explanation see case narrative / cover letter.
- B - This flag is used when the analyte is found in the associated blank as well as in the sample.
- E - This flag identifies compounds whose concentrations exceed the calibration range.
- A - This flag indicates that a TIC is a suspected aldol-condensation product.
- N - Spiked sample recovery not within control limits.
(Flag the entire batch - Inorganic analysis only)
- * - Duplicate analysis not within control limits.
(Flag the entire batch - Inorganic analysis only)
 - Also used to qualify Organics QC data outside limits.
- D - Spike diluted out.
- S - Reported value determined by Method of Standard Additions. (MSA)
- X - As specified in the case narrative.

CAS Lab ID # for State Certifications

NY ID # in Rochester: 10145
CT ID # in Rochester: PH0556
MA ID # in Rochester: M-NY032
OH EPA # in Rochester: VAP

NJ ID # in Rochester: 73004
RI ID # in Rochester: 158
NH ID # in Rochester: 294198-A
AIHA # in Rochester: 7889

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8082 PCBS

Reported: 07/22/99

Dames & Moore

Project Reference: GE URBAN STREET

Client Sample ID : SS-16

Date Sampled : 07/16/99 Order #: 308148 Sample Matrix: SOIL/SEDIMENT
Date Received: 07/16/09 Submission #: 9907000223 Percent Solid: 86.1

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 07/19/99			
DATE ANALYZED : 07/19/99			
ANALYTICAL DILUTION: 1.00			Dry Weight
PCB 1016	400	460 U	UG/KG
PCB 1221	400	460 U	UG/KG
PCB 1232	400	460 U	UG/KG
PCB 1242	400	460 U	UG/KG
PCB 1248	400	460 U	UG/KG
CB 1254	400	460 U	UG/KG
PCB 1260	400	460 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
DECACHLOROBIPHENYL	(30 - 150 %)	93	%
TETRACHLORO-META-XYLENE	(30 - 150 %)	100	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS

METHOD 8082 PCBS

Reported: 07/22/99

Dames & Moore

Project Reference: GE URBAN STREET

Client Sample ID : SS-17

Date Sampled : 07/16/99 Order #: 308149 Sample Matrix: SOIL/SEDIMENT
Date Received: 07/16/09 Submission #: 9907000223 Percent Solid: 89.8

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 07/19/99			
DATE ANALYZED : 07/19/99			
ANALYTICAL DILUTION: 1.00			Dry Weight
PCB 1016	400	450 U	UG/KG
PCB 1221	400	450 U	UG/KG
PCB 1232	400	450 U	UG/KG
PCB 1242	400	450 U	UG/KG
PCB 1248	400	450 U	UG/KG
PCB 1254	400	450 U	UG/KG
PCB 1260	400	450 U	UG/KG

SURROGATE RECOVERIESQC LIMITS

DECACHLOROBIPHENYL
TETRACHLORO-META-XYLENE

(30 - 150 %)
(30 - 150 %)

96 %
103 %

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS

METHOD 8082 PCBS

Reported: 07/22/99

Project Reference:

Client Sample ID : METHOD BLANK

Date Sampled :	Order #: 308233	Sample Matrix: SOIL/SEDIMENT
Date Received:	Submission #:	Percent Solid: 100

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 07/19/99			
DATE ANALYZED : 07/19/99			
ANALYTICAL DILUTION: 1.00			Dry Weight
PCB 1016	400	400 U	UG/KG
PCB 1221	400	400 U	UG/KG
PCB 1232	400	400 U	UG/KG
PCB 1242	400	400 U	UG/KG
PCB 1248	400	400 U	UG/KG
PCB 1254	400	400 U	UG/KG
PCB 1260	400	400 U	UG/KG

SURROGATE RECOVERIES

QC LIMITS

DECACHLOROBIPHENYL	(30 - 150 %)	93	%
TETRACHLORO-META-XYLENE	(30 - 150 %)	97	%

Columbia Analytical Services Inc.
Cooler Receipt And Preservation Check Form

Project/Client Dames Submission Number 7-223

Cooler received on 2/16/99 and opened on 2/16/99 by BC

1. Were custody seals on outside of cooler? YES ☒ NO ☐ CAS
 If yes, how many and where? _____
2. Were signature & date correct? YES ☒ NO ☐ Delivered
3. Were custody papers properly filled out (ink, signed, etc)? YES ☒ NO ☐
4. Did all bottles arrive in good condition (unbroken)? YES ☒ NO ☐
5. Were all bottle labels complete (i.e. analysis, preservation, etc)? YES ☒ NO ☐
6. Did all bottle labels and tags agree with custody papers? YES ☒ NO ☐
7. Were correct bottles used for the tests indicated? YES ☒ NO ☐
8. Were VOA vials checked for absence of air bubbles, and noted if so? YES ☒ NO ☐ NR
9. Where did the bottles originate? CAS/A CAS/K CAS/S CAS/L CAS/X CAS/J CAS/R
10. Temperature of cooler(s) upon receipt: 22.6
 Is the temperature within $4 \pm 2^\circ \text{C}$? Yes ☐ No ☐ Yes ☐ No ☐ Yes ☐ No ☐ Yes ☐ No ☐
 If No, Explain Below _____
 Date/Time Temperatures Taken: 2/16/99 315
 Thermometer ID: 161 Circle One: Temp Blank Sample Bottle Cooler Temp.

Explain any discrepancies: _____

		YES	NO	Sample I.D.	Reagent	Vol. Added
pH	Reagent					
12	NaOH					
2	HNO ₃					
2	H ₂ SO ₄					
5-9*	P/PCBs (608 only)					

YES = All samples OK

NO = Samples were preserved at lab as listed

*If pH adjustment is required, use NaOH and/or H₂SO₄

VOC Vial pH Verification (Tested after Analysis) Following Samples Exhibited pH > 2				

CLIENT NOTIFICATION: _____



A FULL SERVICE ENVIRONMENTAL LABORATORY

RECEIVED
Dames & Moore

JUL 30 1999

File# _____

July 28, 1999

Mr. Mark Colmerauer
Dames & Moore
3065 Southwestern Blvd.
Orchard Park, NY 14127

PROJECT:GE-URBAN STREET
Submission #:9907000376

Dear Mr. Colmerauer

Enclosed are the analytical results of the analyses requested. All data has been reviewed prior to report submission. Should you have any questions please contact me at (716) 288-5380.

Thank you for letting us provide this service.

Sincerely,

COLUMBIA ANALYTICAL SERVICES

A handwritten signature in cursive script, appearing to read 'Mark Wilson', is written over the typed name.

Mark Wilson
Client Service Manager

Enc.

This package has been reviewed by Columbia Analytical Services' QA Department/Laboratory Director prior to report submittal. A handwritten signature in cursive script, appearing to read 'Michael B. Pennington', is written over the typed name.



Effective 04/01/96

CAS LIST OF QUALIFIERS

(The basis of this proposal are the EPA-CLP Qualifiers)

- U - Indicates compound was analyzed for but was not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.
- J - Indicates an estimated value. For further explanation see case narrative / cover letter.
- B - This flag is used when the analyte is found in the associated blank as well as in the sample.
- E - This flag identifies compounds whose concentrations exceed the calibration range.
- A - This flag indicates that a TIC is a suspected aldol-condensation product.
- N - Spiked sample recovery not within control limits.
(Flag the entire batch - Inorganic analysis only)
- * - Duplicate analysis not within control limits.
(Flag the entire batch - Inorganic analysis only)
 - Also used to qualify Organics QC data outside limits.
- D - Spike diluted out.
- S - Reported value determined by Method of Standard Additions. (MSA)
- X - As specified in the case narrative.

CAS Lab ID # for State Certifications

NY ID # in Rochester: 10145
CT ID # in Rochester: PH0556
MA ID # in Rochester: M-NY032
OH EPA # in Rochester: VAP

NJ ID # in Rochester: 73004
RI ID # in Rochester: 158
NH ID # in Rochester: 294198-A
AIHA # in Rochester: 7889

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS

METHOD 8082 PCBS

Reported: 07/28/99

Dames & Moore

Project Reference: GE-URBAN STREET

Client Sample ID : SS-12A

Date Sampled : 07/23/99

Order #: 310082

Sample Matrix: SOIL/SEDIMENT

Date Received: 07/24/99

Submission #: 9907000376

Percent Solid: 89.6

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 07/26/99			
DATE ANALYZED : 07/26/99			
ANALYTICAL DILUTION: 1.00			Dry Weight
PCB 1016	400	450 U	UG/KG
PCB 1221	400	450 U	UG/KG
PCB 1232	400	450 U	UG/KG
PCB 1242	400	450 U	UG/KG
PCB 1248	400	450 U	UG/KG
PCB 1254	400	450 U	UG/KG
PCB 1260	400	450 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
DECACHLOROBIPHENYL	(30 - 150 %)	104	%
TETRACHLORO-META-XYLENE	(30 - 150 %)	101	%

COLUMBIA ANALYTICAL SERVICES**EXTRACTABLE ORGANICS**

METHOD 8082 PCBS

Reported: 07/28/99

Project Reference:

Client Sample ID : METHOD BLANK

Date Sampled :	Order #: 310270	Sample Matrix: SOIL/SEDIMENT
Date Received:	Submission #:	Percent Solid: 100

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 07/26/99			
DATE ANALYZED : 07/26/99			
ANALYTICAL DILUTION: 1.00			Dry Weight
PCB 1016	400	400 U	UG/KG
PCB 1221	400	400 U	UG/KG
PCB 1232	400	400 U	UG/KG
PCB 1242	400	400 U	UG/KG
PCB 1248	400	400 U	UG/KG
PCB 1254	400	400 U	UG/KG
PCB 1260	400	400 U	UG/KG

SURROGATE RECOVERIESQC LIMITS

DECACHLOROBIPHENYL	(30 - 150 %)	98	%
TETRACHLORO-META-XYLENE	(30 - 150 %)	95	%

CHAIN OF CUSTODY/ LABORATORY ANALYSIS REQUEST FORM

DATE 7/23/99 PAGE 6 OF 7

[illegible]

**Columbia Analytical Services Inc.
Cooler Receipt And Preservation Check Form**

Project/Client Dames & Moore Submission Number 7-376

Cooler received on 7.24.99 and opened on 7.24.99 by JH

1. Were custody seals on outside of cooler? YES ☒ NO ☐
If yes, how many and where? _____
2. Were signature & date correct? YES ☒ NO ☐
3. Were custody papers properly filled out (ink, signed, etc)? YES ☒ NO ☐
4. Did all bottles arrive in good condition (unbroken)? YES ☒ NO ☐
5. Were all bottle labels complete (i.e. analysis, preservation, etc)? YES ☒ NO ☐
6. Did all bottle labels and tags agree with custody papers? YES ☒ NO ☐
7. Were correct bottles used for the tests indicated? YES ☒ NO ☐
8. Were VOA vials checked for absence of air bubbles, and noted if so? YES ☐ NO ☐
9. Where did the bottles originate? CAS/A CAS/K CAS/S CAS/L CAS/X CAS/J CAS/R

10. Temperature of cooler(s) upon receipt: 22.0°C

Is the temperature within $4 \pm 2^\circ \text{C}$: Yes ☐ No ☒ Yes ☐ No ☒ Yes ☐ No ☒ Yes ☐ No ☒ Yes ☐ No ☒

If No, Explain Below _____

Date/Time Temperatures Taken: 7.24.99 @ 1153

Thermometer ID: 161 Circle One: Temp Blank Sample Bottle Cooler Temp.

Explain any discrepancies: _____

		YES	NO	Sample I.D.	Reagent	Vol. Added
pH	Reagent					
12	NaOH					
2	HNO ₃					
2	H ₂ SO ₄					
5-9*	P/PCBs (608 only)					

YES = All samples OK

NO = Samples were preserved at lab as listed

*If pH adjustment is required, use NaOH and/or H₂SO₄

VOC Vial pH Verification (Tested after Analysis) Following Samples Exhibited pH > 2				

CLIENT NOTIFICATION: _____

APPENDIX D

PHOTO DOCUMENTATION



Photo 1: Debris and Loading Dock West of Building Prior to Beginning Work
[View to East]



Photo 2: Area 1 - Northwest Corner Prior to Site Work



Photo 3: Miscellaneous Debris and Soil Piles on West End of Building prior to Start of Field Work [View to West]



Photo 4: Excavation Along Fenceline Area 1, Using Water for Dust Control [View to West]



Photo 5: Excavation of Area 1 - Northwest Corner. Concrete Pad Under Trackhoe [View to South]



Photo 6: Excavation of Northwest Corner (Area 1) Under Former Concrete Pad Using Water for Dust Control [View to West]



Photo 7: Demolition of South Loading Dock [View to East]



Photo 8: Demolition of Loading Dock [View to East]



Photo 9: Excavation South of Building, Former Rail Spur Location in Center of Photo [View to West]



Photo 10: Deep Excavations South of Building (Area 2) [View to East]



Photo 11: Geotextile Placed Along South Building Wall (VOC Area)
[View to West]



Photo 12: Removal of Surface Soils Along City of Buffalo Right-of-Way
[View to East]



Photo 13: View of West End of Property (Area 3) Following Heavy Rainfall
[View to Northwest]



Photo 14: View of Sump Near Southeast Corner of Building
[View to Northwest]



Photo 15: Excavation of Rail Spur and Drainline West End of Property (Area 3)
[View to West]



Photo 16: UST Exposed for Cleaning Prior to Removal. Southwest of Building
[View to Southeast]



Photo 17: Four Seasons Environmental Services Technicians Hand-Cleaning Machinery



Photo 18: Building Interior with 90% of Equipment Removed



Photo 19: Building Interior with 90% of Equipment Removed



Photo 20: Stockpiling of Cleaned Equipment Inside Building



Photo 21: Four Seasons Environmental Services Technician Hand-Cleaning Machinery



Photo 22: Gear Boxes Temporarily Stored Outside Building [View to West]



Photo 23: Removal of Windows and Installation of Temporary Enclosures
[View to Southwest]



Photo 24: Removal of Concrete Floor



Photo 25: Removal of Concrete Floor



Photo 26: Stockpiling of Floor Waste (Concrete)



Photo 27: Removal of Concrete Floor



Photo 28: Painting of Building Interior



Photo 29: Placing Steel Mats on South Floor, New North Floor on Right



Photo 30: Steel Dowels Along East Floor Joint



Photo 31: West End of Property Following Seeding



Photo 32: West End of Property Following Installation of New Pavement



Photo 33: New Asphalt East of Building [View to North]



Photo 34: New Asphalt North of Building [View to East]



Photo 35: New Asphalt West of Building [View to North]



Photo 36: Finished Building Interior



Photo 37: Johnson Heater Following Interior Painting
Construction of New Floor

APPENDIX E

EQUIPMENT SHIPPING FORMS

IN CHRONOLOGICAL ORDER

DAILY EQUIPMENT SHIPPING LOG
 42 URBAN STREET
 BUFFALO, NY

DATE 5.28.97

SHEET 1 of 1

EQUIPMENT I.D.	DESCRIPTION	TIME LEFT
M-14	1 of 3 (LARGE SHEET CLAMP)	
M-15	BROWN + SHARPE LATHE	
M-10	GREY ROLLER	
M-5	Recoiler portion of M-5 (Remainder of M-5 + M-6 to be shipped separately)	
M-1	White lathe (3 pieces - Lathe/cabinet + Light)	
DRUMS	6 Empty Drums (formerly contained hydraulic oil) w/ caps.	

Agency or Hook Rep. Signature

Pick Liberti (S.S.S.)

GE Dames & Moore Signature:

[Signature] (DAMES + MOORE)

[Signature] 5/29/97 130pm
 RECEIVED BY _____ DATE _____

Truck 2

DAILY EQUIPMENT SHIPPING LOG
GE - URBAN STREET
BUFFALO, NY

DATE: 5.28.97

SHEET 1 of 1

EQUIPMENT I.D.	DESCRIPTION	TIME LEFT SITE
M-3	LAST of 5 pieces for M-3 CHALDEN'S Sweeney → 1st Four sent to Sweeney @ 9:00	1050 1245

Sweeney or Hook Rep. Signature:

Rick Liberti (Sweeney steel)

GE/Dames & Moore Signature:

[Signature] (Dames + Moore)

Notes:

2nd Truck to leave site.

RECEIVED BY [Signature] 5/28/97 5:20 PM
DATE TIME

Truck #1

DAILY EQUIPMENT SHIPMENT LOG
 GE - URBAN STREET
 BUFFALO, NY

mc
 5-29-97

SHIPMENT ()

45 sections of 45 LYO M2
 EXPOSED

Notes:

Servaney or Rep. Signature

Rock Liberti

GE/Dames & Moore Signature

[Signature]

Notes:

MSF 6/29/97 11:15

Track 3

DATE: ~~5-29-97~~ ^{mc} 5-29-97

SHEET 1 of 1

Sweeney or Rep. Signature:

Walter de la Mare

GE/Dames & Moore Signature:

Notes:

Received By :

DATE TIME

6/29/97 11:15

Teucka?

DAILY EQUIPMENT SHIPPING LOG
GE - URBAN STREET
BUFFALO, NY

DATE: 5.30.97

SHEET 1 of 1

TIME LEFT SITE: _____

EQUIPMENT I.D.	DESCRIPTION
M-4	MAIN PORTION OF 12-HEAD RECOILER/STRAPPER (RED I-BEAM) - ALL PARTS PRESENT ON RIG

Shipped From Sweeney Steel Urban Street Facility:

<u>Rick Liberty</u>	<u>5-29-97</u>	<u>4:40 PM</u>
Sweeney Steel Services Representative:	DATE	TIME
<u>Mark J. Moore</u>	<u>5-29-97</u>	<u>4:40 pm</u>
GE/Dames & Moore Signature:	DATE	TIME

Received at Sweeney Steel; Sawyer Avenue Facility:

<u>[Signature]</u>	<u>5-30-97</u>	<u>12:10 P.m</u>
Sweeney Steel Services Representative:	DATE	TIME

Truck # 14

DAILY EQUIPMENT SHIPPING LOG
GE - URBAN STREET
BUFFALO, NY

DATE: 5/30/97

SHEET 1 of 1

TIME LEFT SITE: _____

EQUIPMENT I.D.	DESCRIPTION
M-5	Remainder of M-5
M-6	Green Halden Shear (attached to M-5)
M-56	Small steel table (2'x3')
M-38	Lockers from tool Room under West Mezz.
M-46	SCRAP metal Bins (2 - 1 green / 1 grey)

Shipped From Sweeney Steel Urban Street Facility:

<u>Pick Libati</u>	<u>5-30-97</u>	<u>12:00 pm</u>
Sweeney Steel Services Representative:	DATE	TIME
<u>Mark J. Quinn</u>	<u>5-30-97</u>	<u>12:00 pm</u>
GE/Dames & Moore Signature:	DATE	TIME

Received at Sweeney Steel; Sawyer Avenue Facility:

<u>Jeff Sisk</u>	<u>5/30/97</u>	<u>4:00 pm</u>
Sweeney Steel Services Representative:	DATE	TIME

Truck 5

DAILY EQUIPMENT SHIPPING LOG
GE - URBAN STREET
BUFFALO, NY

DATE: 6.3.97

SHEET 1 of 2

TIME LEFT SITE: _____

EQUIPMENT I.D.	DESCRIPTION
WM-18	CABLE DRUMS from the West Mezzanine (7 total)
M-28	Green electric motor from under the West Mezz.
M-29	RADICON GEAR BOX (GREEN) from under the West Mezz + Blue gear head (main floor area)
M-30	James Chicago Gear (from under the West Mezz) green.
EM-7	CABLE DRUMS from the W EAST Mezzanine (8 total)
M-31	Grey LINK BELL Speed Reducer / GRAY GEAR BOX
EM-5	PAINT CANS from EAST MEZZANINE (in steel CRATES from EAST Mezz.)
M-14	ORANGE, small Sheet clamp + yellow / small clamp
-	Pallets of 2 - 3' long steel rollers 2 Pallets total (From West Mezz)
WM-21	10" steel separator Rolls
WM-20	16" steel separator Rolls

Shipped From Sweeney Steel Urban Street Facility:

<u>Rick Liberti</u>	<u>6.3.97</u>	<u>10:30 AM</u>
Sweeney Steel Services Representative:	DATE	TIME
<u>James J. Sweeney</u> (DM)	<u>6.3.97</u>	<u>10:30 AM</u>
GE/Dames & Moore Signature:	DATE	TIME

Received at Sweeney Steel, Sawyer Avenue Facility:

<u>James J. Sweeney</u>	<u>6/3/97</u>	<u>2:50</u>
Sweeney Steel Services Representative:	DATE	TIME

DAILY EQUIPMENT SHIPPING LOG
GE - URBAN STREET
BUFFALO, NY

DATE: 6.3.97

SHEET 2 of 2

TIME LEFT SITE: _____

EQUIPMENT I.D.	DESCRIPTION
M-16	Adjacent portions of machine M-16 (BLISS PRESS) [Grey Westinghouse ^{MOTOR} Generator] + [ALLIS-CHALMERS GENERATOR]
M-25	Littlell PAY-OFF REEL (GREY-UNDER WEST MEZZ)
WM-23	Grey lockers from West Mezz.
WM-22	1 of 2 steel cabinets on West Mezzanine

Shipped From Sweeney Steel Urban Street Facility:

<u>Rick Liberti</u>	<u>6.3.97</u>	<u>10:30 AM</u>
Sweeney Steel Services Representative:	DATE	TIME
<u>Mark J. Gierard (D.M.)</u>	<u>6.3.97</u>	<u>10:30 am</u>
GE/Dames & Moore Signature:	DATE	TIME

Received at Sweeney Steel, Sawyer Avenue Facility:

<u>James J. Sweeney</u>	<u>6/3/97</u>	<u>2:50</u>
Sweeney Steel Services Representative:	DATE	TIME

Truck 10
Dames and Moore

DAILY EQUIPMENT SHIPPING LOG
GE - URBAN STREET
BUFFALO, NY

DATE: 6.4.97

SHEET 1 of 1

TIME LEFT SITE: _____

EQUIPMENT I.D.	DESCRIPTION
M-42	Green Down Ender
M-9	Green Small Shear
WM-13	Work Table (without surface plate)
WM-16	Duff Roller
M-50	STONE SURFACE PLATE ON PALLETS
M-3	Part of M-3 . Stand for rollers
M-46	FLATTENER
--	Metal stand for ^{M-3} stand (3' High x 3' wide)

Shipped From Sweeney Steel Urban Street Facility:

<u>Rick Liberts</u>	<u>6.4.97</u>	<u>8:45am</u>
Sweeney Steel Services Representative:	DATE	TIME
<u>[Signature]</u> (Dem)	<u>6.4.97</u>	<u>8:45am</u>
GE/Dames & Moore Signature:	DATE	TIME

Received at Sweeney Steel, Sawyer Avenue Facility:

<u>[Signature]</u>	<u>6/4/97</u>	<u>11:30Am</u>
Sweeney Steel Services Representative:	DATE	TIME

DAILY EQUIPMENT SHIPPING LOG
GE - URBAN STREET
BUFFALO, NY

DATE: 6.4.97

SHEET 1 of 1

TIME LEFT SITE: _____

EQUIPMENT I.D.	DESCRIPTION
WM-19	14 steel racks with pollics + 1 without pollics
WM-15	7 Pay-off Recoilers
M-45	2 Motors from center of floor
M-47	2 additional motor from center of the floor.
WM-13	surface plate from WM-13 table
M-2	GREEN Flattner near stairway to west mezz.
Em-1 EM-1	THREE headed BANDER
- -	Roller shaft as part of unit WM-16 (1' x 2')

Shipped From Sweeney Steel Urban Street Facility:

<u>Rick Liberti</u>	<u>6.4.97</u>	<u>11:50</u>
Sweeney Steel Services Representative:	DATE	TIME
<u>W. J. Moore</u> (D+M)	<u>6-4-97</u>	<u>11:50</u>
GE/Dames & Moore Signature:	DATE	TIME

Received at Sweeney Steel; Sawyer Avenue Facility:

<u>James J. Sweeney</u>	<u>6/4/97</u>	<u>2145</u>
Sweeney Steel Services Representative:	DATE	TIME

DAILY EQUIPMENT SHIPPING LOG
GE - URBAN STREET
BUFFALO, NY

DATE: 6-4-97

SHEET 1 of 1

TIME LEFT SITE: _____

EQUIPMENT I.D.	DESCRIPTION
M-41	CONTROL PANEL for Westinghouse Annealing Furnaces (Main piece)
M-16	Bliss Press (near west mezz.)
M-34	Smaller of 2 control panels for subbeam heaters
M-37	4' Break (from tool room)
M-17	Niagara Press (near west mezz.)
M-7	2 of 6 Westinghouse annealing furnaces (without covers)
M-22	WOOD CRATES containing white insulation bricks (3 pallets)
M-43	Red SCRAP WINDER from center of floor
M-55	welder from center of the floor
EM-5	Last pallet containing boxes of paint cans from east mezz.

Shipped From Sweeney Steel Urban Street Facility:

<u>Rick Liberti</u>	<u>6-4-97</u>	<u>3:40</u>
Sweeney Steel Services Representative:	DATE	TIME
<u>Mark J. Moore</u>	<u>6-4-97</u>	<u>3:40</u>
GE/Dames & Moore Signature:	DATE	TIME

Received at Sweeney Steel, Sawyer Avenue Facility:

<u>James J. Sweeney</u>	<u>6/5/97</u>	<u>1005</u>
Sweeney Steel Services Representative:	DATE	TIME

DAILY EQUIPMENT SHIPPING LOG
GE - URBAN STREET
BUFFALO, NY

DATE: 6.5.97

SHEET 1 of 1

TIME LEFT SITE: _____

EQUIPMENT LD.	DESCRIPTION
M-7	6 small control panels for Westinghouse annealing furnaces on 1 skid
M-32	GREEN roller GREY dc/loyd WINDER
M-5/6	GREEN roller from Halden machines M-5 + M-6
M-27	GREY Flutner from under the west mezz
M-61	Motor dolly tracks + motor dolly
M-21	WOOD CRATES CONTAINING Rollers (7 rollers) 3 skids
M-34	2 nd of 2 control panels for Sunbeam furnaces
M-33	steel Table - main floor
M-23	green ASEA ASEA generators
---	steel rollers (2 skids) from floor of west mezz Removed prior to Shipping Rt MJC
EM-5	last steel basket of paint cans from East mezz.

Shipped From Sweeney Steel Urban Street Facility:

<u>Rick Liberti</u>	<u>6.5.97</u>	<u>12.20</u>
Sweeney Steel Services Representative:	DATE	TIME
<u>[Signature]</u>	<u>6-5-97</u>	<u>1220</u>
GE/Dames & Moore Signature:	DATE	TIME

Received at Sweeney Steel; Sawyer Avenue Facility:

<u>[Signature]</u>	<u>6/5/97</u>	<u>3:37pm</u>
Sweeney Steel Services Representative:	DATE	TIME

Truck # 10

DAILY EQUIPMENT SHIPPING LOG
GE - URBAN STREET
BUFFALO, NY

DATE: 6.6.97

SHEET 1 of 1

TIME LEFT SITE: _____

EQUIPMENT I.D.	DESCRIPTION
M-54	2 steel crates filled with misc. parts + equipment (including parts from M-25 + M-18)
M-62	2 grey Fenn machines
--	steel leafs from Halden Pay-off (1 pallet)
M-7	2 Annealing furnaces (Westinghouse)
M-53	yellow C-Hook
--	steel rollers from West meccanne - 2 skids (7 rollers total)
M-49	2 - Head Pay-offs (red) 7 - total
M-35	2 steel saw horses

Shipped From Sweeney Steel Urban Street Facility:

<u>Rick Liberti</u>	<u>6.6.97</u>	<u>9:32</u>
Sweeney Steel Services Representative:	DATE	TIME
<u>[Signature]</u>	<u>6.6.97</u>	<u>6:32</u>
GE/Dames & Moore Signature:	DATE	TIME

Received at Sweeney Steel; Sawyer Avenue Facility:

<u>[Signature]</u>	<u>6/12/97</u>	<u>3:45</u>
Sweeney Steel Services Representative:	DATE	TIME

DAILY EQUIPMENT SHIPPING LOG
GE - URBAN STREET
BUFFALO, NY

DATE: 6.9.97

SHEET 1 of 1

TIME LEFT SITE: _____

EQUIPMENT I.D.	DESCRIPTION
M-19	37 new bores w/dies + 2 separate Dies + 3 skids w/dies
M-47 M-31	Steel skid containing misc. parts of M-47 + M-31
M-64	Sheet metal cutter (HANDSHEAR)
--	Skid w/corlboard box of pulleys from West Mezzanine
M-24	GE Gear Box (possibly motor - not gear box)
EM-10	two sets of bearings on skid from East Mezzanine in new wood box
WM-22	2nd of 2 green steel cabinets from West Mezzanine
WM-7	oil vat/tub from West Mezzanine
WM-25	Steel tank from West Mezzanine
M-26	Hubbell Electrical Panel from under the West Mezz.
M-51	Steel Table (5' x 3')

Shipped From Sweeney Steel Urban Street Facility:

<u>Pick Liberty</u>	<u>6.10.97</u>	<u>9:00 AM</u>
Sweeney Steel Services Representative:	DATE	TIME
<u>W. H. Williams</u>	<u>6.10.97</u>	<u>9:00 AM</u>
GE/Dames & Moore Signature:	DATE	TIME

Received at Sweeney Steel; Sawyer Avenue Facility:

<u>[Signature]</u>	<u>6/11/97</u>	<u>2:15 PM</u>
Sweeney Steel Services Representative:	DATE	TIME

Truck #11

DAILY EQUIPMENT SHIPPING LOG
GE - URBAN STREET
BUFFALO, NY

DATE: 6.10.97

SHEET 1 of 1

TIME LEFT SITE: _____

EQUIPMENT I.D.	DESCRIPTION
M-7 + 41	Last 2 Westinghouse Annealing machines w/ 3 covers + small control panel (M-41) (2 nd of 2)
--	1 wood skid (containing paint cans from the first floor
--	Sca Holding from west mezzanine
EM-3 EM-6	New wood box with spindles + Motors (EM-6)

Shipped From Sweeney Steel Urban Street Facility:

<u>Rick Liberto</u> Sweeney Steel Services Representative:	<u>6.10.97</u> DATE	<u>3:30 PM</u> TIME
<u>Mark J. Cernan</u> GE/Dames & Moore Signature:	<u>6.10.97</u> DATE	<u>3:30 PM</u> TIME

Received at Sweeney Steel; Sawyer Avenue Facility:

<u>[Signature]</u> Sweeney Steel Services Representative:	<u>6/10/97</u> DATE	<u>3:10 PM</u> TIME
--	------------------------	------------------------

Truck 12

DAILY EQUIPMENT SHIPPING LOG
GE - URBAN STREET
BUFFALO, NY

(COPY)

DATE: 6.11.97

SHEET 1 of 4

TIME LEFT SITE: 8:20

EQUIPMENT I.D.	DESCRIPTION
M-70	steel drive shaft on wood skid w/ M-72 + M-75
M-72	Steel press on wood skid w/ M-70 + M-75
M-75	Stainless steel D.I.Z on perth wood skid w/ M-70 + M-72
m-69 -	Steel wire basket with misc. parts retrieved from the waste pile by Sweeney Employees. Basket includes
X	Cable connectors for M-71 from under E. Mezz. Stairs Vise + cylinder from the West Mezz. as well. Also includes 12 steel disk wheels.
M-71	GREEN GEAR Reducer in metal basket noted above
- -	Wire basket with misc. steel parts from main floor, as requested by Sweeney Steel - including hand tools from cabinet in tool room.
- -	wood skid containing back panel from M-26, two lathe heads + green radiator/fan from near the drum room - main floor
EM-4	wood skid containing resistors from East Mezzanine
M-16	Spare guards for Bibs Press (M-16) on wood skid
EM-9	skid containing wood boxes of heat coil and 2 ITC CONTROL boxes from East Mezz.

Shipped From Sweeney Steel Urban Street Facility:

<u>Rick Liberty</u>	<u>6.11.97</u>	<u>3:00pm</u>
Sweeney Steel Services Representative:	DATE	TIME
<u>[Signature]</u>	<u>6.11.97</u>	<u>3:00pm</u>
GE/Dames & Moore Signature:	DATE	TIME

Received at Sweeney Steel; Sawyer Avenue Facility:

Sweeney Steel Services Representative:	DATE	TIME
--	------	------

DAILY EQUIPMENT SHIPPING LOG
GE - URBAN STREET
BUFFALO, NY

DATE: 6.11.97

SHEET 2 of 4

TIME LEFT SITE: 8:20

EQUIPMENT LD.	DESCRIPTION
--	SPARE skates for shear machines (1 long / 1 short)
EM-2	WOOD Boxes with heat coils
EM-11	SPARE PIECE of 4" Dia. conduit attached to empty 1'x2' junction box.
--	Angle iron, short table frames from Main floor.
WM-23	2nd set of lockers from west mezz.
--	Remaining parts of scaffolding from west mezzanine
M-77	TABLE SAW from under the west mezzanine w/ spare pay-off leads to m-3 banded to top. (4 leads total)
WM-27	Steel table from west mezz. w/ Drive Motor to M-2, several angle-irons and guards for machinery on the main floor, flat stock / spare rods + shafts from main floor, skates for M-2, control switch w/ piping for subbeam and steel stand for band saw.
WM-27	
WM-24	Hydraulic pump from west mezz.
WM-55	TORCH + bottles on hand truck (PART of M-55 welder)

Shipped From Sweeney Steel Urban Street Facility:

<u>Rick Listeri</u>	<u>6.11.97</u>	<u>3:00 pm</u>
Sweeney Steel Services Representative:	DATE	TIME
<u>Mark J. Sullivan</u>	<u>6.11.97</u>	<u>3:00 pm</u>
GE/Dames & Moore Signature:	DATE	TIME

Received at Sweeney Steel; Sawyer Avenue Facility:

Sweeney Steel Services Representative:	DATE	TIME
--	------	------

DAILY EQUIPMENT SHIPPING LOG
GE - URBAN STREET
BUFFALO, NY

DATE: 6.11.97

SHEET 3 of 4

TIME LEFT SITE: _____

EQUIPMENT I.D.	DESCRIPTION
--	steel basket w/ misc. parts from west mezz. + main floor: Green GAURO from M-2, 2 base pieces (2'x1')
X	for M-5 + M-6, 1 of 2 crane hooks (M-73), box containing contents from wood desk from west mezz, coil of
X	sheet steel, fire extinguisher + spare piece (1'x3') to M-9. M-29 [SPARE CRANE PART-UNOPERABLE]
WM-28	TABLE DOLLY from west mezzanine
M-63	TRACK BURNER (in box for M-65)
M-31	Heads and drive shafts (6 total) - part of pile UNDER west mezz.
M-65	WOOD BOX of cutting blades
M-57 M-60	THREE STANDING FANS from main floor
M-59	STANDING WORK LIGHT
--	3 misc. steel shafts from main floor.
M-68	TRIANGULAR ANGLE-IRON storage rack from main floor.

Shipped From Sweeney Steel Urban Street Facility:

<u>Rick Liberti</u>	<u>6.11.97</u>	<u>3:00pm</u>
Sweeney Steel Services Representative:	DATE	TIME
<u>Mark J. Moore</u>	<u>6.11.97</u>	<u>3:00pm</u>
GE/Dames & Moore Signature:	DATE	TIME

Received at Sweeney Steel; Sawyer Avenue Facility:

_____	_____	_____
Sweeney Steel Services Representative:	DATE	TIME

DAILY EQUIPMENT SHIPPING LOG
GE - URBAN STREET
BUFFALO, NY

DATE: 12/18/97

SHEET 1 of 1

TIME LEFT SITE: 11³⁰ am

EQUIPMENT I.D.	DESCRIPTION
WM-9	Brown & Sharpe lathe
WM-11	Cincinnati Press (Parts 2 of 3 and 3 of 3)
WM-12	Cincinnati Grinder
WM-3	Peerless Saw
WM-6	Porter Mchead Saw
WM-26	T-TYPE CLARIFIER

Shipped From Sweeney Steel Urban Street Facility:

Sweeney Steel Services Representative:	DATE	TIME
<u>Brad Phillips (Dames & Moore)</u>	<u>12/18/97</u>	<u>11³⁰</u>
GE/Dames & Moore Signature:	DATE	TIME

Received at Sweeney Steel; Sawyer Avenue Facility:

Sweeney Steel Services Representative:	DATE	TIME
--	------	------

Truck  10

Dames and Moore

DAILY EQUIPMENT SHIPPING LOG
GE - URBAN STREET
BUFFALO, NY

Transcribed Copy

DATE: 12-10-97

SHEET 1 of 1

TIME LEFT SITE: 1220

EQUIPMENT I.D.	DESCRIPTION
WM-10	Bertram lathe
WM-14	Exacto Press
WM-5	Carbide Grinder
WM-11	Cincinnati Press - Main Unit (1 of 3 pcs)

Shipped From Sweeney Steel Urban Street Facility:

Sweeney Steel Services Representative:	DATE	TIME
<u>Brian Phillips (Dames & Moore)</u>	<u>12/10/97</u>	<u>1220</u>
GE/Dames & Moore Signature:	DATE	TIME

Received at Sweeney Steel; Sawyer Avenue Facility:

Sweeney Steel Services Representative:	DATE	TIME
--	------	------

Truck # 15

DAILY EQUIPMENT SHIPPING LOG
GE - URBAN STREET
BUFFALO, NY

DATE: 12/18/97

SHEET 1 of 1

TIME LEFT SITE: 11³⁰ am

EQUIPMENT I.D.	DESCRIPTION
WM-9	Brown & Sharpe lathe
WM-11	Cincinnati Press (Parts 2 of 3 and 3 of 3)
WM-12	Cincinnati Grinder
WM-3	Peerless Saw
WM-6	Porter Mchead Saw
WM-26	T-TYPE CLARIFIER

Shipped From Sweeney Steel Urban Street Facility:

Sweeney Steel Services Representative:	DATE	TIME
<u>Brad Phillips (Dames & Moore)</u>	<u>12/18/97</u>	<u>11³⁰</u>
GE/Dames & Moore Signature:	DATE	TIME

Received at Sweeney Steel; Sawyer Avenue Facility:

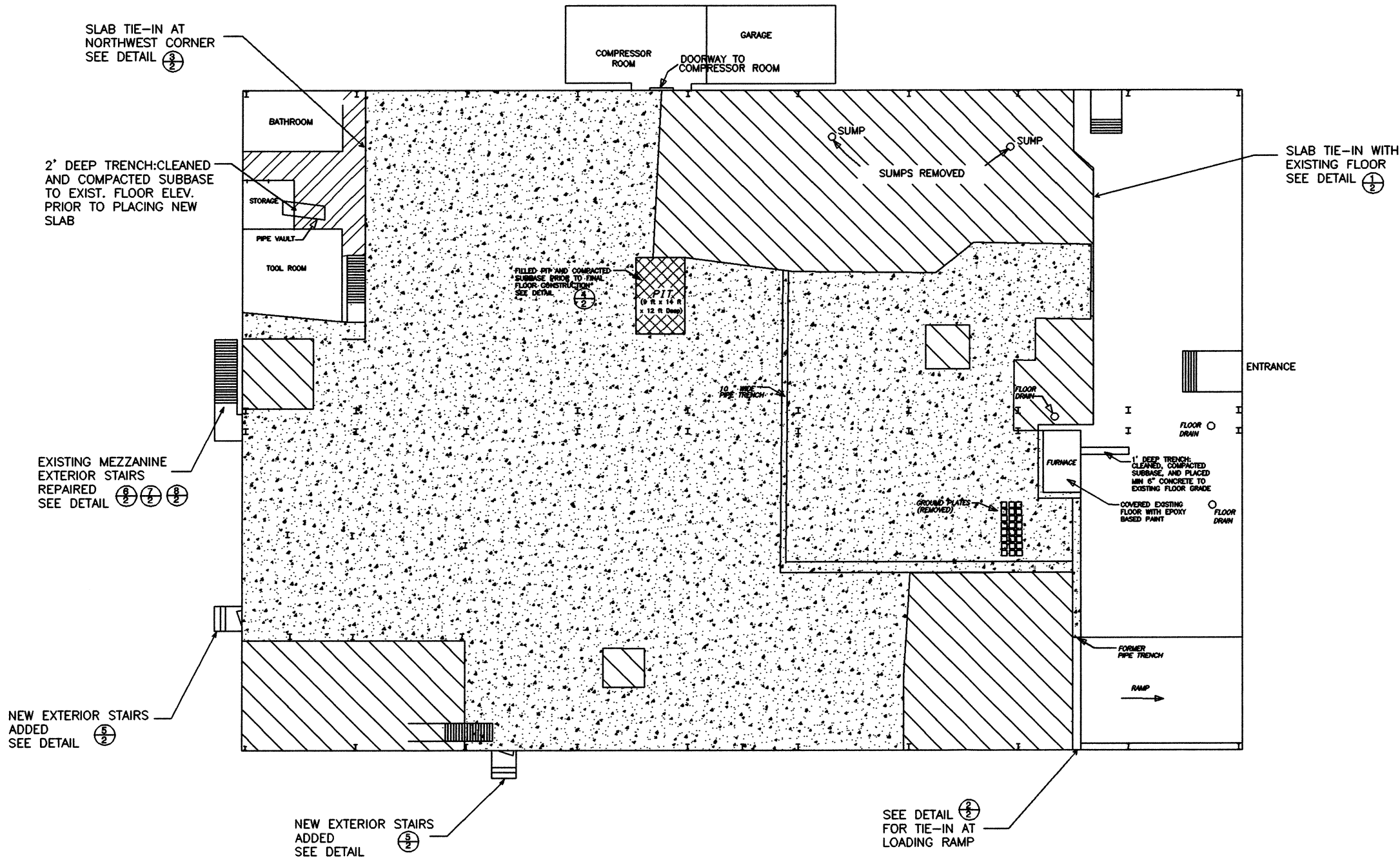
Sweeney Steel Services Representative:	DATE	TIME
--	------	------

Truck  10

Dames and Moore

APPENDIX F

AS-BUILT DRAWINGS



CONCRETE CONSTRUCTION NOTES:

CONCRETE

A MIX DESIGNED IN ACCORDANCE WITH A.C.I. 301 (LATEST EDITION) TO ACHIEVE A 28-DAY COMPRESSIVE STRENGTH (F_c) OF 4,000 P.S.I. OR AS SPECIFIED AND CONFORMING TO ALL REQUIREMENTS OF ACI 343R-85.

USED TYPE I PORTLAND CEMENT, PER ASTM C 150, FOR ALL CONCRETE. BATCH MIX AND PLACE ALL CONCRETE IN ACCORDANCE WITH ACI 302.1, 305, 306, 308, AND 309. READY MIX CONCRETE CONFORM TO ASTM C 94.

POLYETHYLENE FILM (3-4 MIL) AND SUBGRADE DAMPENING EMPLOYED PRIOR TO CONCRETE PLACEMENT.

CONCRETE CURED IN ACCORDANCE WITH ACI 308. FORMS NOT REMOVED UNTIL CONCRETE REACHED 30 PERCENT OF DESIGN 28 DAY COMPRESSIVE STRENGTH. WET CURED CONCRETE TO WHICH COATING WAS APPLIED. CURING COMPOUNDS NOT APPLIED.

PROVIDED 3/4 INCH CHAMFER ON ALL EXPOSED CONCRETE CORNERS EXCEPT WHERE MASONRY WALLS ARE LAID FLUSH WITH COLUMN OR BEAM FACE.

PLACEMENT AND DEPTH OF REINFORCEMENT APPROVED BY ENGINEER PRIOR TO SLAB CONSTRUCTION.

LOOSE AND BROKEN CONCRETE REMOVED FROM EDGES OF EXISTING FLOOR PRIOR TO PLACING NEW CONCRETE.

REINFORCING STEEL

DEFORMED BARS, FREE FROM LOOSE RUST AND SCALE, AND CONFORMING TO ASTM A615-87, GRADE 60 (INCLUDING SUPPLEMENT S1).

ALL ACCESSORIES AND UPRIGHT LEGS AFTER FABRICATION. ACCESSORIES FOR REINFORCING INSTALLED IN ACCORDANCE WITH ACI 318 CURRENT EDITION.

ALL PLACEMENT OF REINFORCING BARS IN ACCORDANCE WITH THE MANUAL OF STANDARD PRACTICE OF THE CONCRETE REINFORCING STEEL INSTITUTE.

REINFORCING MATS (BAR STEEL) CONSIST AT A MINIMUM OF #5 BARS 12" O.C. BOTH WAYS. SADDLES PLACED TO SUPPORT THE MATS 2" ABOVE THE BOTTOM AND 2" BELOW THE TOP OF THE FINISHED CONCRETE FLOOR.

IN AREAS OF 3 INCH SLAB THICKNESS, CONCRETE REINFORCEMENT CONSISTS OF 4-GAUGE WELDED WIRE FABRIC SPACED AT 4 INCHES ON CENTER IN EACH DIRECTION (4x4 - W4xW4) OR EQUIVALENT AS APPROVED BY ENGINEER, CONFORMS TO A.S.T.M. A185 (LATEST EDITION), AND IS SUPPORTED ON SLAB BOLSTERS SPACED AT 2 FEET ON CENTER.

SUBGRADE

EXISTING SUBGRADE COMPACTED BY HAND OPERATED EQUIPMENT. WHERE NECESSARY, STRUCTURAL FILL CONSISTS OF CRUSHED STONE COMPACTED IN 4 INCH LIFTS AS APPROVED BY ENGINEER.

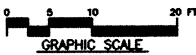
ALL WORK

ALL WORK CONFORMS TO THE REQUIREMENTS OF THE NEW YORK STATE BUILDING CODE AND UNIFORM BUILDING CODE.

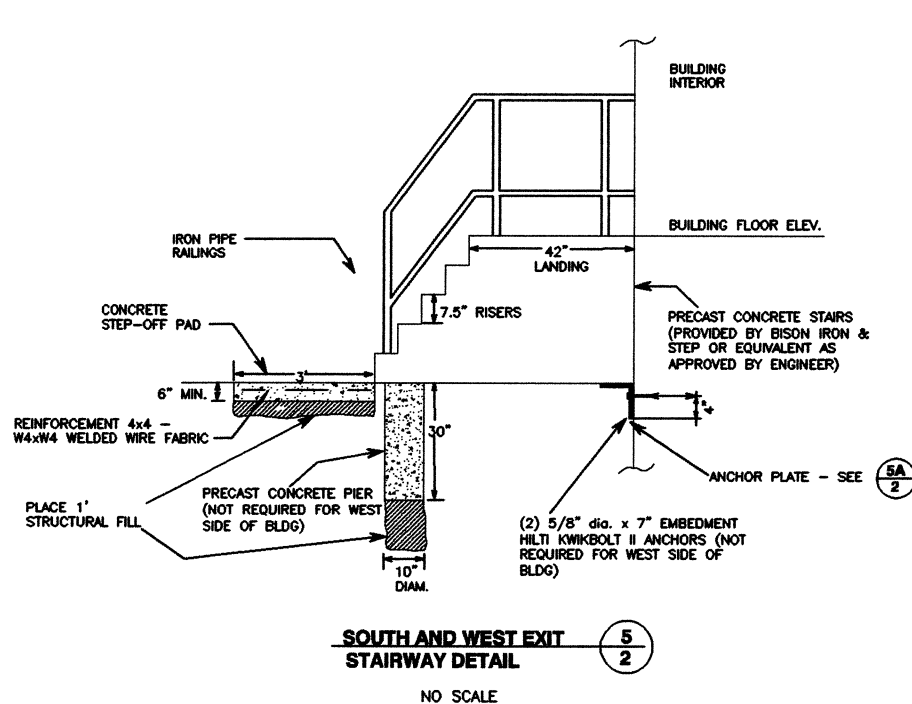
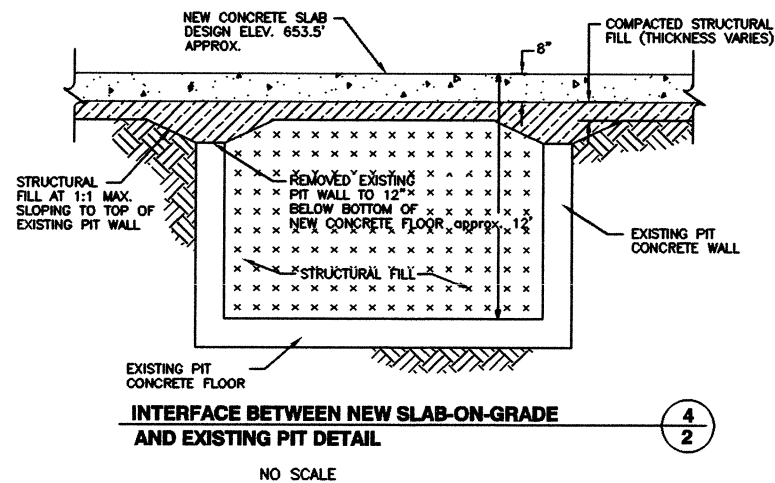
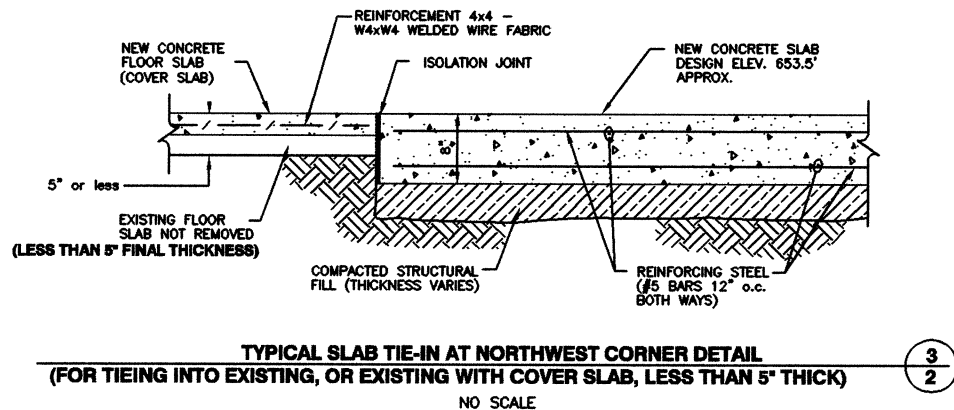
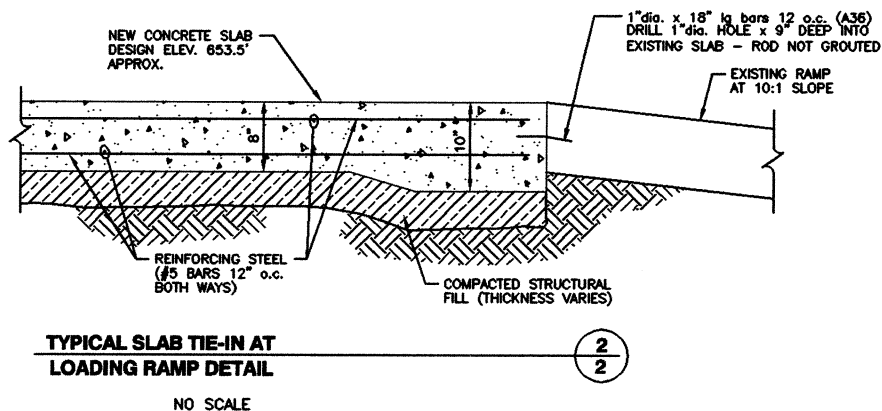
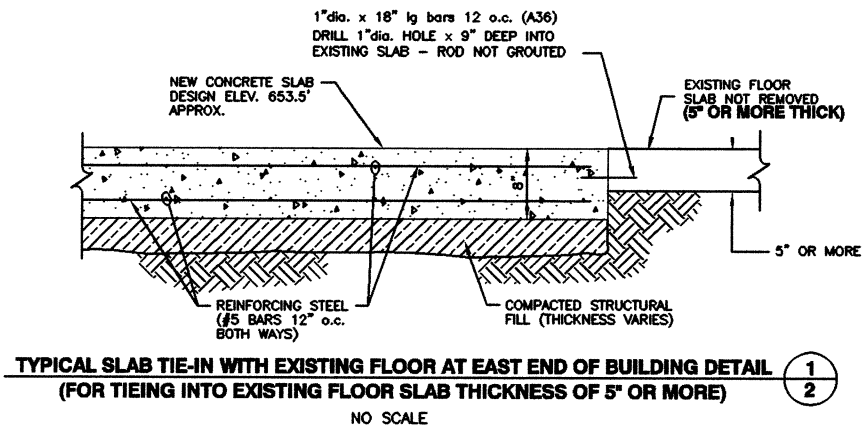
-  - NO SLAB ADDED
NO CONCRETE REMOVED
-  - REMOVED EXISTING CONCRETE SLAB, APPROX. 6" THICK, PLACED NEW 8" THICK SLAB-ON-GRADE TO DESIGN ELEV. 653.5' (APPROX.) TO MATCH REMAINING FLOOR ELEVATIONS.
-  - REMOVED EXISTING CONCRETE SLAB, APPROX. 9" THICK, PLACED NEW 8" THICK SLAB-ON-GRADE TO DESIGN ELEV. 653.5' (APPROX.) TO MATCH REMAINING FLOOR ELEVATIONS.
-  - PLACED APPROXIMATELY 3" CONCRETE TO MEET DESIGN ELEV. 653.5' (APPROX.) NO CONCRETE REMOVED

NOTE: DESIGN BASIS FOR CONCRETE REPLACEMENT SPECIFICATIONS PROVIDED BY MR. MIKE SWEENEY OF SWEENEY STEEL SERVICES, INC.

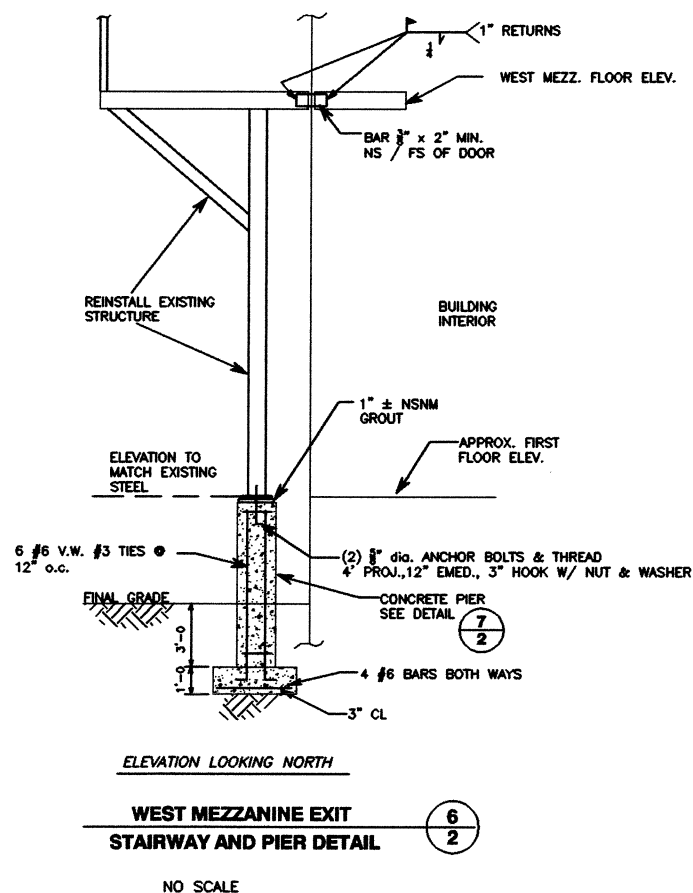
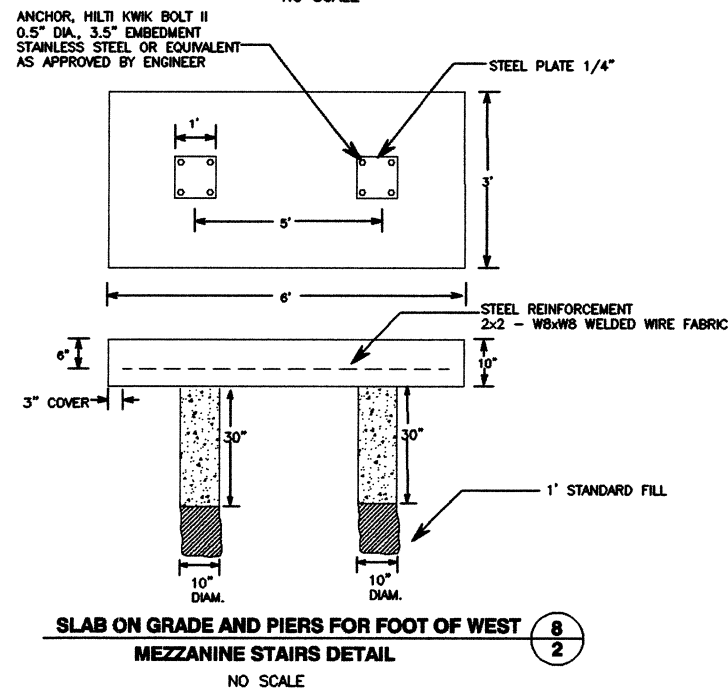
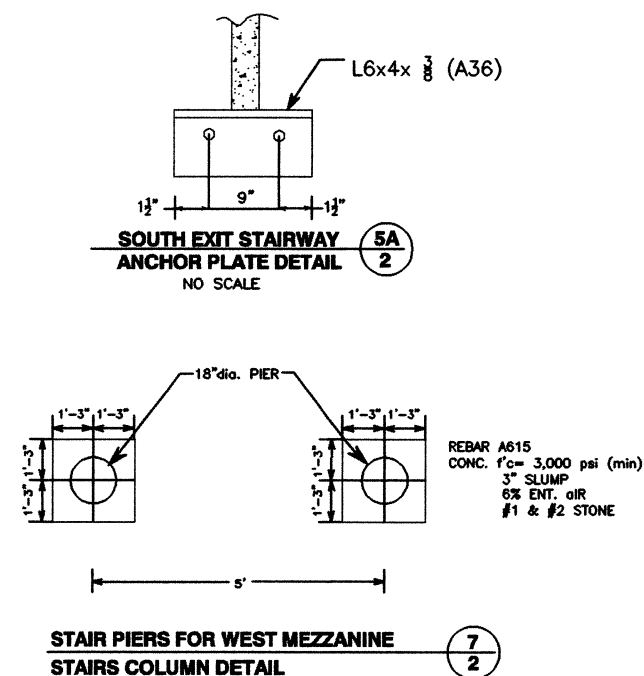
SOURCE: "EXISTING FLOOR PLAN, 318 URBAN STREET, BUFFALO NY" (SEPTEMBER 5, 1997) AS PROVIDED BY BACKLUM ENGINEERS, BUFFALO, NY.



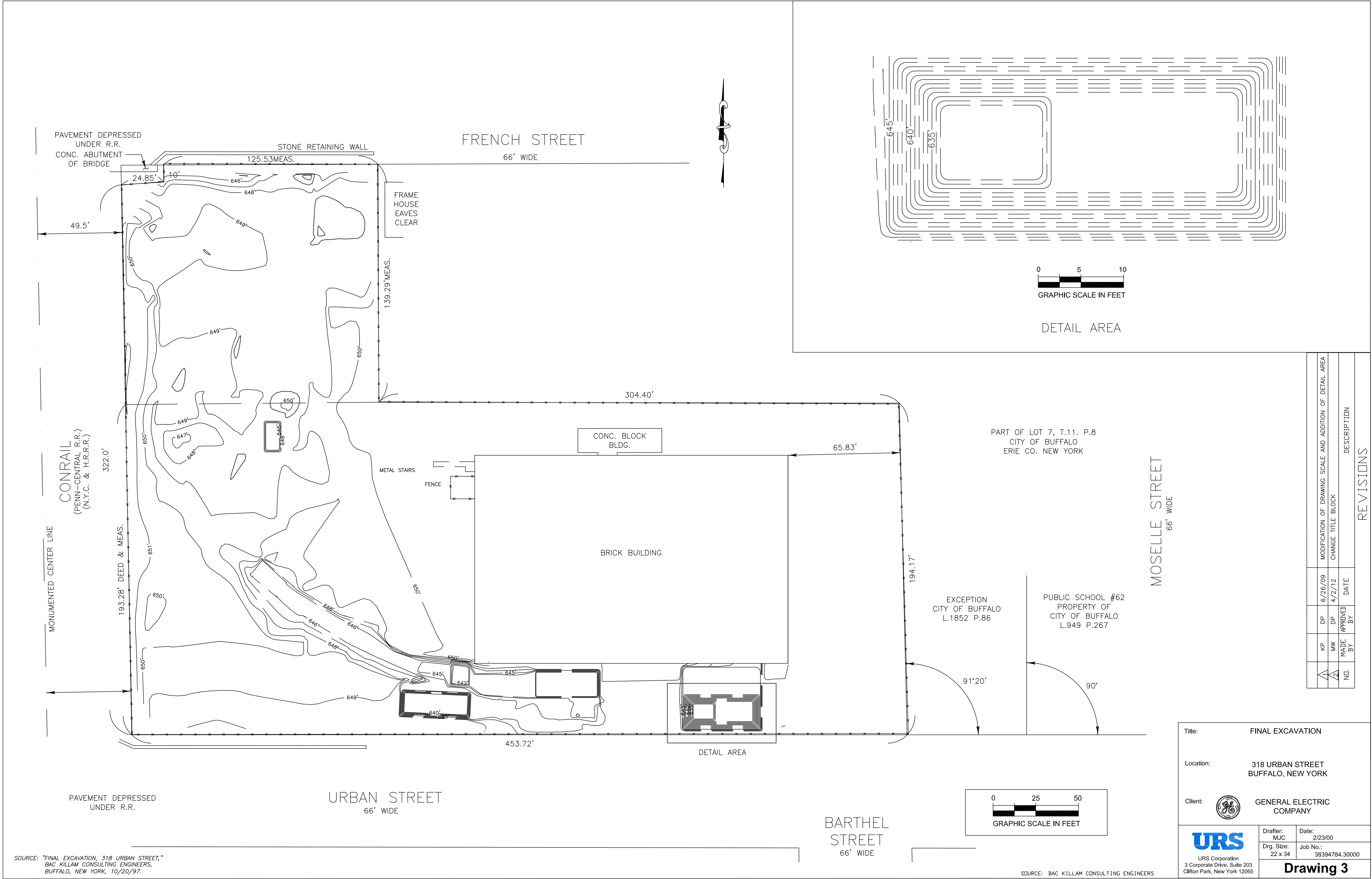
MAIN SHOP CONCRETE FLOOR AS BUILT			
318 URBAN STREET BUFFALO, NEW YORK			
DAMES & MOORE A DAMES & MOORE GROUP COMPANY ORCHARD PARK, NEW YORK			
SCALE	AS NOTED	DRAWN BY	MJC
DATE	03/03/00	APPROVED BY	JBQ
		PROJECT NO.	28171-649-152
		DRAWING NO.	1



STAIR SLAB NOTES:
SLAB CONCRETE CAST-IN-PLACE IN ACCORDANCE WITH
PROJECT MANUAL AND ACHIEVED A 28 DAY COMPRESSIVE
STRENGTH OF 4,000 PSI



FLOOR DETAILS AS BUILT			
318 URBAN STREET BUFFALO, NEW YORK			
DAMES & MOORE A DAMES & MOORE GROUP COMPANY ORCHARD PARK, NEW YORK			
SCALE AS NOTED	DESIGNED BY WJC	DATE 03/03/00	28171-649-152
	APPROVED BY JBQ		2



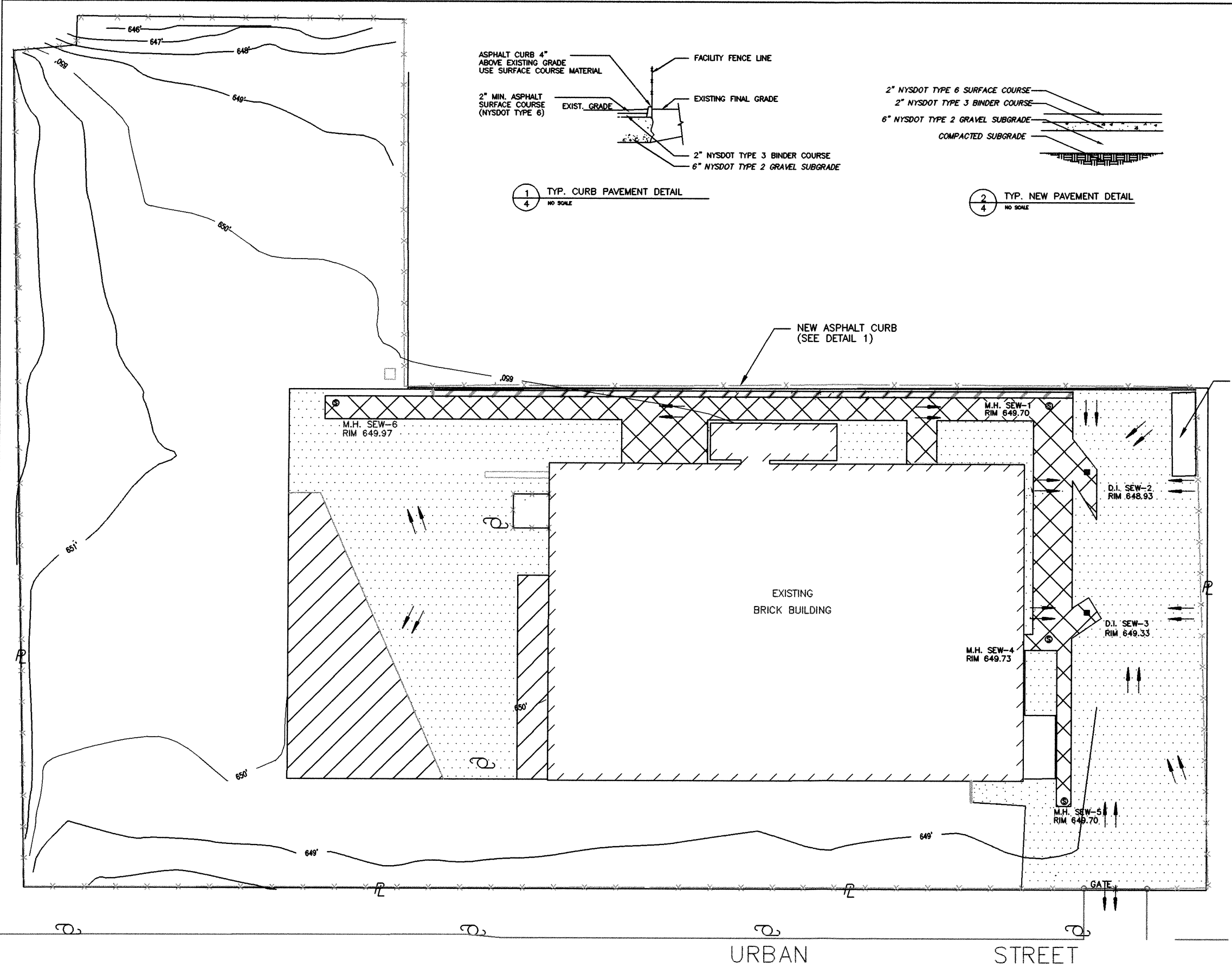
SOURCE: "FINAL EXCAVATION, 318 URBAN STREET,"
BAC KILLAM CONSULTING ENGINEERS,
BUFFALO, NEW YORK, 10/20/97.

SOURCE: BAC KILLAM CONSULTING ENGINEERS

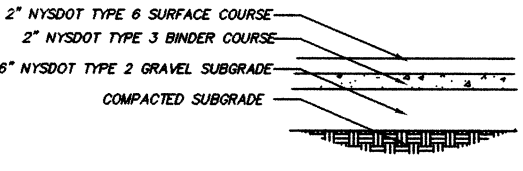
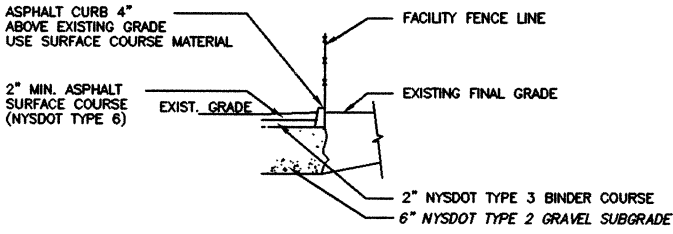
REVISIONS			
NO.		DATE	DESCRIPTION
1	KP	6/26/09	MODIFICATION OF DRAWING SCALE AND ADDITION OF DETAIL AREA
2	MW	4/2/12	CHANGE TITLE BLOCK
3	MADE		
4	BY		

Title: FINAL EXCAVATION	
Location: 318 URBAN STREET BUFFALO, NEW YORK	
Client: 	GENERAL ELECTRIC COMPANY
	Drafter: MJC Date: 2/23/00 Drg. Size: 22 x 34 Job No.: 38394784.30000
Drawing 3	

MAC:1197:W:DRAWINGS:GE-URBAN-EXEC-FINDWG



SOURCE: ADAPTED FROM ERM-NORTHEAST: "C-4 SITE RESTORATION PLAN, GE 318 URBAN STREET BUFFALO, NY", "C-5 MISCELLANEOUS CIVIL DETAILS, GE URBAN STREET, BUFFALO NY", DATED MARCH 3, 1997 and BAC KILLAM CONSULTING ENGINEERS' "FINISH GRADE", SEPT., 1997.



NOTE:
ALL PAVEMENT IS SLOPED AT 1/8" PER FOOT TO PROVIDE ADEQUATE SITE RUN-OFF (INTO CATCH BASINS\ DRAINAGE STRUCTURES).

THE CONTRACTOR SET ALL MANHOLE RIM ELEVATIONS TO MATCH THE GRADE OF THE NEW PAVEMENT.

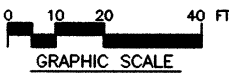
DISTURBED AREAS HAVE BEEN BACKFILLED AND COMPACTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

GRASS AND PAVED AREAS WERE RESTORED AS INDICATED ON THE DRAWINGS AND IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

AREA TO BE PAVED FOLLOWING REMOVAL OF EQUIPMENT (APPROXIMATE AREA)

LEGEND

- DIRECTION OF RUN-OFF FLOW ON NEW PAVED SURFACES
- TYPE 1: NEW PAVEMENT AREA (SEE DETAIL 2)
- TYPE 2: REPLACEMENT AREA
- TYPE 3: RESURFACED PAVEMENT AREA
- NEW CURB LOCATION
- UTILITY POLE LOCATION
- PROPERTY LINE
- FENCE LINE
- DRAINAGE INTAKE
- SEWER MANHOLE



TITLE			
PAVING DESIGN			
318 URBAN STREET BUFFALO, NEW YORK			
DAMES & MOORE A DAMES & MOORE GROUP COMPANY ORCHARD PARK, NEW YORK			
SCALE	1" = 20'	DESIGNED BY	MJC
DATE	03/20/00	APPROVED BY	JBQ
JOB NO.		28171-649-152	
DRAWING NO.		4	

85055-17

MJC:1197.W:DRAWINGS-GE-URBAN-PAVE-DET.DWG

APPENDIX G
PROJECT SUBMITTALS

APPENDIX G

PROJECT SUBMITTALS

1997 Submittals

- Asbestos Abatement Documentation
- Backfill Source and Analytical Information
- Waste Profile
- Silt Fence Specifications
- Geotextile Specifications
- Chain-Link Fence Specifications

1999 Submittals

- Waste Profiles
- Concrete Sealer and Design Specifications
- Crushed Stone Fill Specifications
- Analytical Results from Wastewater Treatment System Effluent
- Buffalo Sewer Authority Discharge Permit
- City of Buffalo Building Permit
- Interior Paint Specifications
- Concrete Mixture Specifications
- Wastewater Treatment Log
- Asphalt and Concrete Testing Results

Asbestos Abatement Documentation
(1997)

JUN-13-97 09:56 PM FOUR SEASONS ENVTL DPT 1 910 236 0801

P.04

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GEORGIAN BAY CONT

PAGE 04



STATE OF NEW YORK - DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTH
ASBESTOS CONTROL BUREAU
State Office Campus
Building 12 - Room 454
Albany, N.Y. 12240

AMENDMENT NOTIFICATION

- a. ☐ Postponed ☐ Cancelled
b. New Start Date _____
c. New End Date _____
d. Submitted By _____

Refer to Information Sheet or Code
Rule 56 for Time Deadlines

ASBESTOS PROJECT NOTIFICATION

a. Date of Request		b. Time of
c. Name of Person Granting Request		
WITHIN TWO WORKING DAYS EMERGENCY APPROVAL YOU MUST duplicate copies of this form and submit one to the Asbestos Bureau at the address shown.		

1. NAME AND ADDRESS OF CONTRACTOR Georgian Bay Contracting, Inc. 4635 Chestnut Ridge Rd. Amherst, N.Y. 14228	2. FEDERAL EMPLOYER IDENTIFICATION NO. 16-1469987	3. ASBESTOS CONTROL NO. AC-96-1189
4. MAILING ADDRESS, (if different than listed in ITEM 1)		
5. NAME AND ADDRESS OF PARTY FOR WHOM THE PROJECT IS BEING PERFORMED Four Seasons Environmental, 3107 South Elm Eugene Street, Greensboro, NC 27415-0590		
6. a. NAME AND TITLE OF ONLY AUTHORIZED REPRESENTATIVE Mark J. Augustine, President		b. TELEPHONE NO. (716) 688-1247

PROJECT INFORMATION

PROVIDE ALL INFORMATION REQUESTED FOR THE BUILDING(S) AT WHICH THE ASBESTOS PROJECT WILL BE CONDUCTED.

7. ADDRESS (INCLUDE NAME OF BUILDING, ROOM NO., CITY, TOWN, VILLAGE) GE Plant, 318 Urban Street, Buffalo, NY		8. NAME OF BUILDING OWNER General Electric	
9. COUNTY Erie	10. CURRENT USE OF BUILDING vacant	11. AGE OF BUILDING 50+	12. TOTAL CONTRACT AMOUNT \$40,000.00
13. PROJECT DATE(S) - Use phased project dates in REMARKS (Item 20) a. ACTUAL STARTING DATE 6/2/97 b. PROJECTED ENDING DATE 6/13/97	14. TYPE OF ASBESTOS WORK (CHECK ALL WHICH APPLY) ☐ Pipe Related ☐ Sprayed on Insulation ☐ Roofing/Flashing ☐ Vessel Covering ☐ Siding ☐ VAV ☐ Demolition ☒ Other (Specify) Floor tiles	15. WILL WORK ON THE PROJECT BE CONDUCTED UNDER A VARIANCE yes, specify the type of variance: ☐ APPLICABLE VARIANCE - NO.: AV-05 ☐ INDIVIDUAL VARIANCE - PETITION NO.: In Plant	
17. ASBESTOS PROCEDURE(S) TO BE USED (CHECK ALL WHICH APPLY) ☒ REMOVAL ☐ ENCLOSURE ☐ ENCAPSULATION ☐ OTHER (Specify) _____		18. TYPE OF ASBESTOS MATERIAL ☒ FRIABLE ☐ NON-FRIABLE	19. AMOUNT OF ASBESTOS INVOLVED - CHECK ALL APPLICABLE BOXES LINEAR FEET ☐ Less than 250 (Specify) ☒ (\$100) 250-429 ☒ (\$200) 430-824 ☒ (\$300) 825-1649 ☒ (\$1000) 1650 OR MORE (Specify) SQUARE FEET ☐ Less than 100 (Specify) ☒ (\$100) 100-299 ☒ (\$200) 300-499 ☒ (\$300) 500-999 ☒ (\$1000) 1000 OR MORE 4,500 (Specify)

20. METHODS TO BE USED AT PROJECT SITE TO PREVENT ASBESTOS DISSEMINATION (INCLUDING TYPE OF EQUIPMENT AND VENTILATION SYSTEMS)

Wet removal methods

21. I verify that the information specified on this notification is true and accurate and that the project will be conducted in compliance with the rules of Code Rule 56.

Mark J. Augustine
a. Signature of the Contractor or Only Authorized Representative

May 23, 1997
b. Date

PREPARE THIS APPLICATION IN TRIPLICATE AND SUBMIT:

- An original and one copy with an ink signature on both copies to the New York State Department of Labor, Division of Safety and Health, Asbestos Bureau, State Office Campus, Building 12-Room 454, Albany, NY 12240. Retain one copy for your records.
- A certified check or money order, made payable to the Commissioner of Labor, for the fee due based on the project size as shown in item 19. The fee must be submitted at least 10 days prior to the starting date of the asbestos project.

NESHAP'S 10 DAY NOTIFICATION OF DEMOLITION AND RENOVATION

Operator Project	Postmark	Date Received	Notification	
I. Type of notification (O - Original R - Revised C - Cancelled) <u>O</u>				
II. Facility Information (Identify owner, removal contractor, and other operator)				
Owner name: <u>General Electric</u>				
Address: <u>318 Urban Street</u>				
City: <u>Buffalo</u>	State: <u>NY</u>	Zip: <u></u>		
Contact: <u></u>		Tel: <u></u>		
Removal contractor: <u>Georgian Bay Contracting, Inc</u>				
Address: <u>4635 Chestnut Ridge Rd.</u>				
City: <u>Amherst,</u>	State: <u>NY</u>	Zip: <u>14228</u>		
Contact: <u>Robert K. Koch</u>		Tel: <u></u>		
Other operator: <u>NA</u>				
Address: <u></u>				
City: <u></u>	State: <u></u>	Zip: <u></u>		
Contact: <u></u>		Tel: <u></u>		
III. Type of operation (D - Demo O - Ordered Demo <u>R - Renovation</u> E - Emergency Renovation)				
IV. Is asbestos present? (<u>Yes</u> /No)				
V. Facility description (Include building name, number and floor or room number)				
Bldg. name: <u>GE Plant</u>				
Address: <u>318 Urban Street</u>				
City: <u>Buffalo,</u>	State: <u>NY</u>	County: <u>Erie</u>		
Site location: <u></u>				
Building size: <u>20,000 sq. ft.</u>		# of Floors: <u>2</u>	Age in Years: <u>50+</u>	
Present use: <u>vacant</u>		Prior Use: <u>plant</u>		
VI. Procedure, including analytical method, if appropriate, used to detect the presence of asbestos material:				
VII. Approximate amount of asbestos, including:				
Regulated ACM to be removed	ACM To Be Removed	Nonfriable asbestos material not to be removed		Indicate unit of measurement below
1. Category I ACM not removed		Cat. I	Cat. II	
2. Category II ACM not removed				
3. Category III ACM not removed				
Pipes	Pipes			Ln Ft: <u>700</u> Ln In: <u></u>
Surface Area	Floor tile			Sq Ft: <u>4.5</u> Sq In: <u></u>
Vol ACM off facility component				Cu Ft: <u></u> Cu In: <u></u>
VIII. Scheduled dates asbestos removal (mm/dd/yy)		Start: <u>6/2/97</u>	Complete: <u>6/13/97</u>	
IX. Scheduled dates demo/renovation (mm/dd/yy)		Start: <u>6/2/97</u>	Complete: <u>6/13/97</u>	

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GEORGIAN BAY CNT

PAGE 05

METHOD(S) TO BE USED AT PROJECT SITE TO TREAT OR DISPOSE OF CONTAMINATED WASTE WATER (IF APPLICABLE)

tered through 5 micron waste water filtration unit.

NAME AND ADDRESS OF WASTE DISPOSAL SITE, IF ANY

Waste Mgmt.
High Acres Facility
Fairport, NY

24. NAME AND ADDRESS OF WASTE HAULER/TRANSPORTER, IF ANY

Huzmat Env. Group
New Village Industrial Park
60 Commerce Drive
Buffalo, NY 14218

METHOD(S) TO BE USED AT WASTE DISPOSAL SITE (IF APPLICABLE)

per federal, state and local regulations.

LIST ALL EQUIPMENT TO BE USED FOR THIS ASBESTOS PROJECT, e.g. NEGATIVE AIR FILTRATION UNITS, RESPIRATORS, WETTING DEVICES, HEPA VACUUMS, ETC. DO NOT INCLUDE NON-ASBESTOS RELATED EQUIPMENT OR EXPENDABLE SUPPLIES. (ATTACH ADDITIONAL SHEETS IF NECESSARY)

DESCRIPTION OF EQUIPMENT	MANUFACTURER	MODEL NUMBER	QUANTITY
ace H.E.P.A. equipped respirators	3M	3600	5
.P.A. equipped wet vac	Hrawn	800	2
less sprayers	Kreyco	1500	1
.P.A. equipped negative air units	Critical Systems	N2500	12
table shower unit	Abatement Tech	S5100	1
te water filtration unit	Abatementn Tech	S5100	1

LABORATORY ANALYSIS TO BE PERFORMED BY:

a. NAME

Chopra Lee
1815 Love Rd.
Grand Island, NY

b. ELAP REGISTRATION NUMBER

10954

(MARKS)

X. Description of planned demolition or renovation work and methods(s) to be used:

XI. Description of work practices and engineering controls to be used to prevent emissions of asbestos at the demolition and renovation site: *Negative air systems per revised Removal - Confined Mitigation Strategy, 12 hour program, inside in the clean and more details.*

XII. Waste Transporter #1:

Name: *Heamat Environmental Group*
 Address: *new Village Industrial Park, 50 Commerce Drive*
 City: *Buffalo* State: *NY* Zip: *14218*
 Contact Person: _____ Tel: _____

Waste Transporter #2: *NA*

Name: _____
 Address: _____
 City: _____ State: _____ Zip: _____
 Contact Person: _____ Tel: _____

XIII. Waste disposal site:

Name: *Waste Mgmt Facility*
 Location: *High Acre Facility*
 City: *airport* State: *New York* Zip: _____
 Telephone: _____

XIV. If demolition ordered by a government agency, please identify the agency below:

Name: _____ Title: _____
 Authority: _____
 Date of order (mm/dd/yy): _____ Date ordered to begin (mm/dd/yy): _____

XV. For emergency renovations:

Date and hour of emergency (mm/dd/yy): _____
 Description of the sudden, unexpected event: _____
 Explanation of how the event caused unsafe conditions or would cause equipment damage or an unreasonable financial burden: _____

XVI. Description of procedures to be followed in the event that unexpected asbestos is found or previously nonfriable asbestos material becomes crumbled, pulverized, or reduced to powder.

XVII. I certify that an individual trained in the provisions of this regulation (40 CFR Part 61, Subpart M) will be on-site during the demolition or renovation and evidence that the required training has been accomplished by this person will be available for inspection during normal business hours. (Required 1 year after promulgation).

[Signature] 5/23/97
 (Signature of Owner/Operator) (Date)

XVIII. I certify that the above information is correct.

[Signature] 5/23/97
 (Signature of Owner/Operator) (Date)



STATE OF NEW YORK - DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTH
ASBESTOS CONTROL BUREAU
State Office Campus
Building 12 - Room 454
Albany, N.Y. 12240

AMENDED NOTIFICATION

☐ Postponed ☐ Cancelled

New Start Date _____

New End Date _____

Submitted By _____

Refer to Information Sheet or Code
Rule 56 for Time Deadlines

EMERGENCY NOTIFICATION REQUEST

a. Date of Request

b. Time of Day

c. Name of Person Granting Request

WITHIN TWO WORKING DAYS OF
EMERGENCY APPROVAL, you must submit
duplicate copies of this form with
appropriate fee to the Asbestos Control
Bureau at the address shown.

ASBESTOS PROJECT NOTIFICATION

1. NAME AND ADDRESS OF CONTRACTOR

Carone Contracting, Inc.
5624 E. Avon-Lima Rd.
Avon, NY 14414

2. FEDERAL EMPLOYER IDENTIFICATION NO.

16-1380501

3. ASBESTOS LICENSE NO.

AC 97-0136

4. MAILING ADDRESS, (if different than listed in ITEM 1)

5. NAME AND ADDRESS OF PARTY FOR WHOM THE PROJECT IS BEING PERFORMED

Sweeney Steel Corp.
318 Urban St. Buffalo, NY 14221

6. a. NAME AND TITLE OF DULY AUTHORIZED REPRESENTATIVE

Jeffrey R. Carone - President

b. TELEPHONE NO.

(716) 226-8820

PROJECT INFORMATION

PROVIDE ALL INFORMATION REQUESTED FOR THE BUILDING/SITE AT WHICH THE ASBESTOS PROJECT WILL BE CONDUCTED.

7. ADDRESS (INCLUDE NAME OF BUILDING, ROOM NO., CITY, TOWN, VILLAGE)

318 Urban St Buffalo, NY 14221

8. NAME OF BUILDING OWNER

Sweeney Steel Corp.

9. COUNTY

Erie

10. CURRENT USE OF BUILDING

Industrial

11. AGE OF BUILDING

78 yrs.

12. TOTAL CONTRACT AMOUNT

20,750.00

13. PROJECT DATE(S) - List
project dates in
MARKS (Item 28)

a. ACTUAL STARTING DATE
8/15/97

b. PROJECTED ENDING DATE
10/1/97

14. TYPE OF ASBESTOS WORK (CHECK
ALL WHICH APPLY)

- ☐ Pipe Related
☐ Sprayed on Insulation
☐ Roofing/Flashing
☐ Vessel Covering
☐ Siding
☐ VAT
☐ Demolition
☒ Other (Specify)
window caulking

15. WILL WORK ON THE PROJECT BE CONDUCTED UNDER A VARIANCE? If
yes, specify the type of variance:

- ☐ APPLICABLE VARIANCE - NO.: _____
☒ INDIVIDUAL VARIANCE - PETITION NO.: pending

16. WILL SUBCONTRACTORS BE USED ON THE PROJECT? ☒ NO ☐ YES

If yes, please list name and federal employer identification number of each
subcontractor in REMARKS (Item 28) on reverse of form.

17. ASBESTOS PROCEDURE(S) TO BE USED
(CHECK ALL WHICH APPLY)

- ☒ REMOVAL ☐ DEMOLITION
☐ ENCLOSURE ☐ DISTURBANCE
☐ ENCAPSULATION ☒ HANDLING
☐ OTHER (Specify) _____

18. TYPE OF ASBESTOS
MATERIAL

- ☐ FRIABLE
☒ NON-FRIABLE

19. AMOUNT OF ASBESTOS INVOLVED - CHECK ALL APPLICABLE BOX(ES)

- | LINEAR FEET | SQUARE FEET |
|--|--|
| ☐ Less than 260 _____ (Specify) | ☐ Less than 160 _____ (Specify) |
| ☐ (\$100) 260-429 | ☐ (\$100) 160-259 |
| ☐ (\$200) 430-824 | ☒ (\$200) 260-499 |
| ☐ (\$500) 825-1649 | ☐ (\$500) 500-999 |
| ☐ (\$1000) 1650 OR MORE | ☐ (\$1000) 1000 OR MORE |
| _____ (Specify) | 475 _____ (Specify) |

20. METHODS TO BE USED AT PROJECT SITE TO PREVENT ASBESTOS DISSEMINATION (INCLUDING TYPE OF EQUIPMENT AND VENTILATION SYSTEMS USED)

ICR 56 in conjunction with any granted site specific variance.

21. I verify that the information specified on this notification is true and accurate and that the project will be conducted in compliance with the requirements of Code Rule 56.

Signature of the Contractor or Duly Authorized Representative

8/1/97
b. Date

REPAIR THIS APPLICATION IN TRIPLICATE AND SUBMIT:

- An original and one copy (with an ink signature on both copies) to the New York State Department of Labor, Division of Safety and Health, Asbestos Control Bureau, State Office Campus, Building 12-Room 454, Albany, NY 12240; retain one copy for your records.
- A certified check or money order, made payable to the Commissioner of Labor, for the fee due based on the project size as shown in item 19. This notification must be submitted at least 10 days prior to the starting date of the asbestos project.

NOTIFICATION OF DEMOLITION AND RENOVATION

I. FACILITY INFORMATION (Identify owner, removal contractor, and other operator)				
OWNER: Sweeney Steel Corp.				
Address: 318 Urban St.				
City: Buffalo	State: NY	Zip: 14221		
Contact: Mike Stoneman - Four Seasons Env.		Tel: (800) 868-2718		
REMOVAL CONTRACTOR: Carone Contracting, Inc.				
Address: 5624 E. Avon-Lima Rd.				
City: Avon	State: NY	Zip: 14414		
Contact: Jeffrey R. Carone, President		Tel: (716) 226-8820		
OTHER OPERATOR: N.A.				
Address:				
City:	State:	Zip:		
Contact:		Tel:		
II. TYPE OF NOTIFICATION (O - Original/R - Revised): O				
III. TYPE OF OPERATION (D - Demolition/R - Renovation): R				
IV. IS ASBESTOS PRESENT? (Yes/No) Yes				
V. FACILITY DESCRIPTION (Include building name, number and floor or room number)				
Bldg Name: Sweeney Steel Corp.				
Address: 318 Urban St.				
Address:				
City: Buffalo	State: NY	County: Erie		
Site Location: Interior and Exterior				
Building Size	SqMeters:	Sqft: 22,000	# of Floors: 1	Age in Years: 78
Present Use: Industrial		Prior Use: Industrial		
VI. PROCEDURE, INCLUDING ANALYTICAL METHOD, IF APPROPRIATE, USED TO DETECT THE PRESENCE OF ASBESTOS MATERIAL:				
NIOSH 7400				
VII. APPROXIMATE AMOUNT OF RACH TO BE REMOVED AND NONFRIABLE ASBESTOS MATERIAL THAT WILL NOT BE REMOVED. SPECIFY THE AMOUNT OF ASBESTOS BELOW.				
		RACH To Be Removed	Nonfriable Asbestos Mat- erial Not to Be Removed ----- Category I Category II	
Pipes - Linear Feet				
Pipes - Linear Meters				
Surface Area - Square Feet		475		
Surface Area - Square Meters				
Volume RACH Off Facility Component - Cubic Feet				
Volume RACH Off Facility Component - Cubic Meter				
VIII. SCHEDULED DATES OF ASBESTOS REMOVAL (MM/DD/YY)		Start: 8/14/97 Completion: 10/1/97		
IX. SCHEDULED DATES OF DEMO/RENOVATION (MM/DD/YY)		Start: 8/14/97 Completion: 10/1/97		

ACORD CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YY)
08/08/97

PRODUCER

Assurance Brokers Ltd
Ginger Creek Meadows
P.O. Box 424
Edwardsville IL 62025-
(618) 692-9800 () -

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

COMPANIES AFFORDING COVERAGE

COMPANY

A Reliance Indemnity Insurance Co.

COMPANY

B Credit General Insurance Co.

COMPANY

C

COMPANY

D

INSURED

Carone Contracting
5624 East Avon-Lima Road

Avon NY 14414-
() -

COVERAGES

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED, NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

CO LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS
A	GENERAL LIABILITY				
	☒ COMMERCIAL GENERAL LIABILITY	NGI201-7144-00	03/20/97	03/20/98	GENERAL AGGREGATE \$2,000,000
	☐ CLAIMS MADE ☒ OCCUR				PRODUCTS - COMP/OP AGG \$2,000,000
	OWNER'S & CONTRACTOR'S PROT				PERSONAL & ADV INJURY \$2,000,000
	☒ Asb Spec Liab				EACH OCCURRENCE \$2,000,000
					FIRE DAMAGE (Any one fire) \$ 50,000
					MED EXP (Any one person) \$ 5,000
	AUTOMOBILE LIABILITY				COMBINED SINGLE LIMIT \$
	☐ ANY AUTO		/ /	/ /	BODILY INJURY (Per person) \$
	☐ ALL OWNED AUTOS				BODILY INJURY (Per accident) \$
	☐ SCHEDULED AUTOS				PROPERTY DAMAGE \$
	☐ HIRED AUTOS				
	☐ NON-OWNED AUTOS				
	GARAGE LIABILITY				
	☐ ANY AUTO		/ /	/ /	AUTO ONLY - EA ACCIDENT \$
					OTHER THAN AUTO ONLY:
					EACH ACCIDENT \$
					AGGREGATE \$
	EXCESS LIABILITY				
	☐ UMBRELLA FORM		/ /	/ /	EACH OCCURRENCE \$
	☐ OTHER THAN UMBRELLA FORM				AGGREGATE \$
					\$
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY	SWC700-112-01	04/19/97	04/19/98	☒ WC STATUTORY LIMITS ☐ OTHER
	THE PROPRIETOR/PARTNERS/EXECUTIVE OFFICERS ARE: ☐ INCL ☐ EXCL				EL EACH ACCIDENT \$100,000
	OTHER		/ /	/ /	EL DISEASE - POLICY LIMIT \$500,000
					EL DISEASE - EA EMPLOYEE \$100,000

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/SPECIAL ITEMS

Cert holder is to be named as additional insured

CERTIFICATE HOLDER

Aman Environmental
3065 Southwestern Blvd
Orchard Park NY 14127

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING COMPANY WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT. BUT FAILURE TO MAIL SUCH NOTICE SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE COMPANY, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE

Ralph M. Quigley

ACORD CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YY)

08/08/97

PRODUCER

Assurance Brokers Ltd
Ginger Creek Meadows
P.O. Box 424
Edwardsville IL 62025-
(618) 692-9800 () -

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

COMPANIES AFFORDING COVERAGE

COMPANY

A Reliance Indemnity Insurance Co.

COMPANY

B Credit General Insurance Co.

COMPANY

C

COMPANY

D

INSURED

Carone Contracting
5624 East Avon-Lima Road

Avon NY 14414-
() -

COVERAGES

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CO LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS
A	GENERAL LIABILITY				
	☒ COMMERCIAL GENERAL LIABILITY	NGI201-7144-00	03/20/97	03/20/98	GENERAL AGGREGATE \$2,000,000
	☐ CLAIMS MADE ☒ OCCUR				PRODUCTS - COMP/OP AGG \$2,000,000
	OWNER'S & CONTRACTOR'S PROT				PERSONAL & ADV INJURY \$2,000,000
	☒ Asb Spec Liab				EACH OCCURRENCE \$2,000,000
					FIRE DAMAGE (Any one fire) \$ 50,000
					MED EXP (Any one person) \$ 5,000
	AUTOMOBILE LIABILITY				
	☐ ANY AUTO		/ /	/ /	COMBINED SINGLE LIMIT \$
	☐ ALL OWNED AUTOS				BODILY INJURY (Per person) \$
	☐ SCHEDULED AUTOS				BODILY INJURY (Per accident) \$
	☐ HIRED AUTOS				PROPERTY DAMAGE \$
	☐ NON-OWNED AUTOS				
	GARAGE LIABILITY				
	☐ ANY AUTO		/ /	/ /	AUTO ONLY - EA ACCIDENT \$
					OTHER THAN AUTO ONLY:
					EACH ACCIDENT \$
					AGGREGATE \$
	EXCESS LIABILITY				
	☐ UMBRELLA FORM		/ /	/ /	EACH OCCURRENCE \$
	☐ OTHER THAN UMBRELLA FORM				AGGREGATE \$
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY	SWC700-112-01	04/19/97	04/19/98	☒ WC STATUTORY LIMITS ☐ OTHER
	THE PROPRIETOR/PARTNERS/EXECUTIVE OFFICERS ARE: ☐ INCL ☐ EXCL				EL EACH ACCIDENT \$100,000
	OTHER				EL DISEASE - POLICY LIMIT \$500,000
			/ /	/ /	EL DISEASE - EA EMPLOYEE \$100,000

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/SPECIAL ITEMS

Cert holder is to be named as additional insured

CERTIFICATE HOLDER

Sweeney Steel Corp
318 Urban St.
Buffalo NY 14221

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING COMPANY WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO MAIL SUCH NOTICE SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE COMPANY, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE

Ralph McQuiggin



STATE OF NEW YORK
DEPARTMENT OF LABOR

GOVERNOR W. AVERELL HARRIMAN
STATE OFFICE BUILDING CAMPUS
ALBANY, NEW YORK 12240

Re: File No. 9701185

Carone Contracting, Inc
5624 E Avon-Lima Road
Avon, NY 14414

STATE OF NEW YORK)
DEPARTMENT OF LABOR)
DIVISION OF SAFETY AND HEALTH)

The attached is a copy of a Decision, dated 08/12/97, which I have compared with the original filed in this office and which I DO HEREBY CERTIFY to be correct transcript of the text of the said original.

If you are aggrieved by this decision you may appeal within 60 days from its issuance to the Industrial Board of Appeals as provided by Section 101 of the Labor Law. Your appeal should be addressed to the Industrial Board of Appeals, 194 Washington Avenue, Albany, New York 12210, as prescribed by its Rules of Procedure, a copy of which may be obtained upon request.

WITNESS my hand and the seal of the
NYS Department of Labor, at the City of
Albany, this day of , One
thousand, nine hundred and ninety-seven.

Wallace W. Renfrew, P.E.
Safety and Health Program Manager
Supervisor, Engineering Services Unit

WHB

LH 1 (4-86)

STATE OF NEW YORK
DEPARTMENT OF LABOR
STATE OFFICE BUILDING CAMPUS
ALBANY, NEW YORK 12240-0100

Variance Petition
of
CARONE CONTRACTING, INC.
Petitioner
in re

Premises: SWEENEY STEEL CORPORATION
318 URBAN STREET
BUFFALO, NEW YORK

File No. 9701185

DECISION

Cases 1 - 19

ICR 56

The Petitioner, pursuant to Section 30 of the Labor Law, having filed Petition No. 9701185 on August 4, 1997 with the Commissioner of Labor for a variance from the provisions of Industrial Code Rule 56 as hereinafter cited on the grounds that there are practical difficulties or unnecessary hardship in carrying out the provisions of said Rule; and the Commissioner of Labor having reviewed the submission of the Petitioner dated July 31, 1997; and

Upon considering the merits of the alleged practical difficulties or unnecessary hardship and upon the record herein, the Commissioner of Labor does hereby take the following actions:

CASE NO. 1	ICR 56-6.1
CASE NO. 2	ICR 56-8.1(c)
CASE NO. 3	ICR 56-8.1(h)
CASE NO. 4	ICR 56-8.1(i)
CASE NO. 5	ICR 56-8.1(j)
CASE NO. 6	ICR 56-8.1(k)(1)
CASE NO. 7	ICR 56-8.1(k)(2)
CASE NO. 8	ICR 56-8.1(k)(3)
CASE NO. 9	ICR 56-8.1(k)(4)
CASE NO. 10	ICR 56-8.1(k)(5)
CASE NO. 11	ICR 56-9.1(a)
CASE NO. 12	ICR 56-10.1(a)
CASE NO. 13	ICR 56-11.1(b)
CASE NO. 14	ICR 56-12.1(c)
CASE NO. 15	ICR 56-15.2(b)
CASE NO. 16	ICR 56-15.2(c)
CASE NO. 17	ICR 56-15.2(d)
CASE NO. 18	ICR 56-15.2(e)
CASE NO. 19	ICR 56-17.3

VARIANCE GRANTED. The Petitioner's proposal to remove asbestos containing materials; approximately 450 square feet of window caulk on 28 metal wall window frames in a vacant one story building at the subject premises in accordance with the attached stamped three-page copy of the Petitioner's submittal, is accepted; subject to the following conditions:

GENERAL CONDITIONS

1. A copy of this DECISION shall be conspicuously posted at the entrance to the personal decontamination enclosure(s).
2. This DECISION shall apply only to removing the aforementioned

asbestos-containing materials from the subject premises.

3. The Petitioner shall comply with all other applicable provisions of Industrial Code Rule 56-1 through 56-18.
4. This DECISION shall terminate on August 12, 1999.

DATED: AUGUST 12, 1997

JAMES T. DILLON
ACTING COMMISSIONER OF LABOR

BY

Wallace W. Renfrew
WALLACE W. RENFREW, P.E.
SAFETY AND HEALTH PROGRAM MANAGER
SUPERVISOR ENGINEERING SERVICES UNIT

PREPARED BY:

WILLIAM H. BLACK, P.E.
ASSOCIATE SAFETY AND HEALTH ENGINEER

REVIEWED BY:

B.T.
BLAISE THOMAS, P.E.
SENIOR SAFETY AND HEALTH ENGINEER

C. Reason for Request for Variance.

The petitioner is seeking relief from the following sections of Industrial Code Rule 56.

Case No. 1 ICR 56-6.1	Case No. 8 ICR 56-10.1(a)
Case No. 2 ICR 56-8.1(c)	Case No. 9 ICR 56-11.1(b)
Case No. 3 ICR 56-8.1(h)	Case No. 10 ICR 56-12.1(c)
Case No. 4 ICR 56-8.1(i)	Case No. 11 ICR 56-15.2(b-e)
Case No. 5 ICR 56-8.1(j)	Case No. 12 ICR 56-17.3
Case No. 6 ICR 56-8.1(k) 1-5	
Case No. 7 ICR 56-9.1(a)	

The petitioner is requesting a variance for a window removal project at the abandoned Sweeney Steel Corp. Building (formerly GE Building), 318 Urban Street, Buffalo, N.Y. The asbestos abatement involves the removal of the exterior metal wall window frames (28 window units) of a one story vacant building that is in poor condition. The building is surrounded with a security fence to prevent unauthorized visitors from entering the area. The caulk on the window frames is a non-friable asbestos containing material, and is the only ACM being abated. The total quantity of window caulk is approximately 450 SF. Each window unit is being mechanically removed in its entirety as part of the building decontamination process. After the window frame has been removed, a wood frame is being inserted into the opening and covered with reinforced polyethylene.

The reason for the request for variance are practical difficulties, economic considerations, and time constraints. The owner is decontaminating the building and time is of the essence in completing the process. The window caulk is not being removed from the frame, instead the entire frame is being mechanically removed, lowered to the ground, wrapped in poly, and disposed of as per applicable regulations. The use of a negative pressure enclosure and the polying of the windows are impractical because of the removal of the entire window frame unit. The use of the proposed conditions as applied to the work practices for this project will insure the safety of the public as well as protect the workers from any unnecessary work related risks or hazards.

If granted, the petitioner requests the variance expires August 1, 1998

D Proposal We are requesting relief from the above referenced sections of Industrial Code Rule 56 subject to the following conditions.

- 1 The personal and waste decontamination system shall be constructed prior to any abatement.
- 2 Work area entry will be restricted to certified workers only.
- 3 A personal decontamination enclosure system that complies with Subpart 56-9 shall be utilized. A waste decontamination enclosure system that fully complies with Subpart 56-10 may be utilized. These enclosure systems can be remote and shall be removed only after satisfactory clearance air monitoring results have been achieved.
- 4 The immediate work area shall be considered to be the building area from which the window units are actively being removed. The asbestos work area shall extend twenty-five (25') from the perimeter of the active work area. The active work area will be cordoned off with barrier tape.
- 5 The window unit removal will be done mechanically in a manner that will minimize any disturbance of the window caulk. Prior to the mechanical removal of the window unit, any caulk present on the unit will be sprayed with a lock down encapsulant. The window unit will be lowered onto a polyethelene drop cloth and wrapped in two layers of 6 mil polyethelene. The wrapped units will then be placed in a holding area, prior to disposal as per applicable regulations.
- 6 Any operable windows or openings to the building within the asbestos work area as outlined above, that are not being removed as part of the abatement project, shall be plasticized with 2 layers of 6 mil fire retardant poly. If the windows or openings are fixed or non-operable, the windows can instead be sealed indoors using caulking or tape.
- 7 Upon completion of the window removal the sealing caulk, tape, or interior plastic sheeting may be removed; however subsequent to the removal the interior surfaces of each window shall be thoroughly HEPA vacuumed and/or wet wiped.

- 8 Under areas where window units are to be removed, a drop cloth 10 foot or more in width, made of 6 mil fire retardant poly, must be placed on the ground below window locations to prevent the spread of any caulking remnants. In addition, if a straight scaffolding, man-lift, swing scaffolding or similar equipment is used for window areas the lift/scaffolding unit shall be plasticized with 2 layers of 6 mil poly on the platform proper with plastic sheeting extended vertically to waist-high (as so equipped) guardrail sides and back of the lift unit. While the platform/lift walking surfaces must be plasticized, the contractor must provide proper traction surfaces or equipment to assure the safety and comfort of abatement workers. After the abatement is completed, the platform and plasticized surfaces toward the building shall be wet wiped and/or HEPA vacuumed clean before reuse. The plasticizing on the lift or scaffolding shall be periodically inspected during use and repaired as needed. At the completion of the abatement all poly shall be disposed of as contaminated waste.
9. All caulking shall be wetted during removals and any loose materials shall be containerized or wrapped in two layers of 6 mil fire retardant poly prior to disposal.
10. Air monitoring shall only be required on the days of active removal.

Electrical Hazards (if the power in the area can not be locked out)

1. If power to the area can not be locked out, all electrical outlets in the active work area- panels, switches, receptacles, light fixtures, exposed electrical conduit and all electrical feed sources shall be plasticized with three layers of at least 6 mil, fire retardant plastic sheeting and sealed with tape. This plasticizing protection shall be left in place until all cleaning is complete and clearance air testing results are acceptable.
2. Each layer shall be individually wrapped.
3. The wrapped conduit shall be labeled 10 foot on center with warning signs. The signs shall read, "CAUTION - ELECTRICALLY ENERGIZED", in three inch high letters
4. The two inner layers shall be left in place as critical barriers until the project is complete. The outer layer shall be cleaned with each successive cleaning and removed at the final cleaning.
5. Electrical lines within the work areas not vital to operations shall be locked out.
6. All electrical for the removal project shall be brought into the work area through a separate GFI panel box located outside the work area

**Backfill Source and Analytical Information
(1997)**

FACSIMILE TRANSMITTAL COVER SHEET

Phone: (910) 273-2718
Industrial Services Fax: (910) 230-0801

OK.
No Exceptions

To: Pete Smith
Company: James & Moore
Fax Number: 716-675-7136
From: Michael Stoneman
Date: 7-17-97
Subject: Top Soil Results

Number of Pages: 11
(includes cover sheet)

Original to be Mailed? Yes

☒ No

Comments:

Pete,
Attached are the results of the top soil.
The locations for the backfill & top soil
are listed on the cover sheet from
Paris.

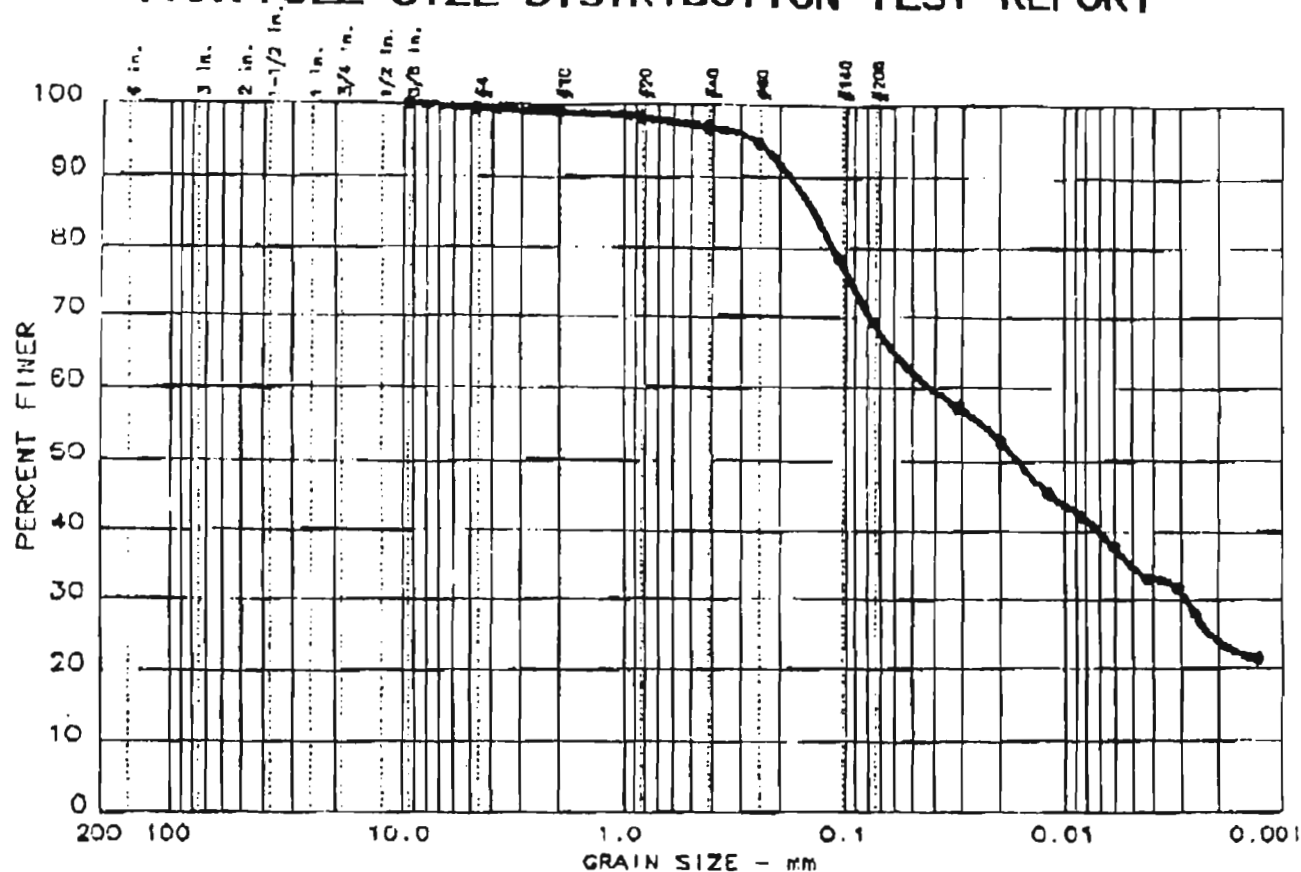
THANK YOU,

SENT BY:

7-16-97 ; 16:19 MALCOLM PIRNIE BFLD.-

9:0 230 0801: # 2/ 3

PARTICLE SIZE DISTRIBUTION TEST REPORT



% +3"	% GRAVEL	% SAND	% SILT	% CLAY	USCS	LL	PI
0.0	0.6	30.2	45.4	23.8			

SIEVE Inches size	PERCENT FINER
0.375	100.0
GRAIN SIZE	
D ₆₀	0.003
D ₃₀	
D ₁₀	
COEFFICIENTS	
C _c	
C _u	

SIEVE number size	PERCENT FINER
4	99.4
10	98.9
20	98.2
40	98.9
60	94.7
140	78.2
200	60.2

Sample Information:
• Topsoil #2

Remarks:
Lab ID No.: 97-364

**MALCOLM
PIRNIE, INC.**

Project No.:
Project: Four Seasons Environmental
Date: 7-3-97

Data Sheet No. _____

Malcolm Pirnie, Inc.

Project: Four Seasons Environmental

Date: 7-7-97

Topsoil Sample Testing

Sample	Organic Content %	pH
Topsoil #2	3.6	6.3

FROM:

FAX:

Jul-16-97 Jed 16:11

PAGE: 02

WASTE STREAM TECHNOLOGY, INC.

302 Grote Street
Buffalo, NY 14207
(716) 878-5290

Analytical Data Report

Report Date : 07/15/97
Group Number : 8701-570

Prepared For :
Mr Joseph Boyles
Malcolm Pirnie, Inc.
40 Centre Drive
Orchard Park, NY 14127

Site : Malcolm Pirnie

Field and Laboratory Information

Client Id	WST Lab #	Matrix	Date Sampled	Date Received	Time
Top Soil #2	WS34843	Soil	NA	7/7/97	1300
Sample Status Upon Receipt : No irregularities					

Analytical Parameters	Analytical Services Number of Samples	Turnaround Time
Total Potassium	1	5 Business Days
Total Phosphorus	1	5 Business Days
TKN	1	5 Business Days

Report Released By : Daniel W. Vollmer
Daniel Vollmer, Laboratory QA/QC Officer

ENVIRONMENTAL LABORATORY ACCREDITATION CERTIFICATION NUMBERS
NYSDOH ELAP #11179 NJDEPE #73977 CDHS ELAP #2189



FROM:

FAX:

JUL-16-97 04:16:13

PAGE: 87

JUL-13-97

25:33

TO: WESTERHOLT LUMP # 97000412

BULKY MAIL

TOTAL KJELDAHL NITROGEN ANALYSIS

SAMPLE IDENTIFICATION	RESULT mg/l
WC 34843	330 mg/l
QA / QC %RECOVERY	101 %
ANALYSIS DATE: JULY 14, 1997	
THIS ANALYSIS DONE BY THE CITY OF N. TONAWANDA WWTW FOR WASTESTREAM TECHNOLOGY USING EPA METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES 1878 #000,351.3	
COMPLETED BY:	DAVID W. KOSCIOWIAK, LABORATORY DIRECTOR
	LAB ID: NYSDOH #10288

FROM:

FAX:

Jul-16-97 Wed 16:12

PAGE: 06

Waste Stream Technology, Inc.
Total Phosphorus In Soil
EPA 385.2

Site: MALCOLM PIRNIE
Date Sampled: NA
Date Received: 07/07/97

Group Number: 9701-570
Report Units: mg/Kg
Matrix: Soil

WST Lab ID	Client ID	Analysis Date	Detection Limit	Result
WS34843	TOP SOIL #2	07/08/97	1.0	44.2

SENT BY:

FROM:

FAX:

JUL-16-97 04:12

PAGE: 08

Waste Stream Technology, Inc.
Metals Method Blank Analysis Result Report

Site: MALCOLM PIRNIE

Date Sampled: NA

Date Received: NA

Group Number 9701-670

Report Units: PPM

Lab ID Number MB070997-S1				
Client ID NA				
Date Digested 07/09/97				
Analyte	Detection Limit	Result	Date Analyzed	Analysis Method
K soil Method Blank	126	< 125	07/10/97	SW-846 8010

MB denotes Method Blank

NA denotes Not Applicable

FROM

FAX:

JUL-16-97 Wed 16:11

PAGE: 04

Waste Stream Technology, Inc.
Metals Analysis Result Report

Site: MALCOLM PIRNIE
Date Sampled: NA
Date Received: 07/07/97

Group Number: 9701-570
Report Units: mg/Kg
Matrix: Soil

Lab ID Number WS34843				
Client ID TOP SOIL #2				
Date Digested 07/09/97				
Analyte	Detection Limit	Result	Date Analyzed	Analysis Method
Potassium by ICP	125	701	07/10/97	SW-848 6010

FROM:

FAX:

JUL-16 07 Wed 10:11

PAGE: 03

METHODOLOGIES

The specific methodologies employed in obtaining the analytical data reported are indicated on each of the result forms. The method numbers shown refer to the following analytical method references:

Methods for Chemical Analysis of Water and Wastes. EPA 600/4-79-020, March 1979, Revised 1983, U.S. Environmental Monitoring and Support Laboratory, Cincinnati, Ohio 45268.

Federal Register, 40 CFR Part 136: Guidelines Establishing Test Procedures for the Analysis of Pollutants Under the Clean Water Act. Revised July 1992.

Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. Third Edition, Revised September 1994, United States EPA SW-846.

Annual Book of ASTM Standards, Volume 11. ASTM, 1916 Race Street, Philadelphia, Pennsylvania 19103.

Standard Methods for the Examination of Water and Wastewater. (18th Edition) American Public Health Association, 1105 18th Street, NW, Washington, D.C. 20036.

UNIVERSITY
MICROFILMS

07/07/1997 09:53 7169754.21

CARMEN M. PARISO INC.

PAGE 01

FAX # 910-274-5798

— Attn: John Richardson —
CARMEN M. PARISO INC.
3649 RIVER ROAD
TONAWANDA, NY 14150

OFFICE NUMBER: (716) 875-8168
FAX NUMBER: (716) 875-4121

NUMBER OF PAGES INCLUDING THIS ONE: _____

DATE: 7/7/97TO: John RichardsonOF: Four SEASONS ENVIRONMENTALREGARDING: BANK RUN ADDRESS + ALSO Topsoil ADDRESS

- 1) Bank Run - B. Pariso Transport Inc.
Sand & Gravel Products
Rt. 238 - DARIEN, N.Y.
- 2) Topsoil - C.M. Pariso Inc.
Highland Farms R.D.
CLARENCE, N.Y. 14031 / Old Farm Land
Purchased in spring 1996

FROM: Hollywood

CARMEN M. PARISO, INC.

07/07/1997 09:53 7168754121

CARMEN M. PARISO INC.

PAGE 0.

FAX # 910-274-5798

— Attn: John Richardson —
CARMEN M. PARISO INC.
3649 RIVER ROAD
TONAWANDA, NY 14150

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1) Bank Run - B. Pariso Transport Inc.
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2) Topsoil - C.M. Pariso Inc.
Highland Farms R.O.
CLARENCE, NY. 14031 / Old Farm Land
Pushed up in spring 1996

FROM: Hollywood

CARMEN M. PARISO, INC.

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8080
Reported: 07/03/97

Four Seasons Environmental
Project Reference: GENERAL ELECTRIC
Client Sample ID : TOP SOIL-2

Date Sampled : 06/27/97 Order #: 154882 Sample Matrix: SOIL/SEDIMENT
Date Received: 06/30/97 Submission #: 9706000400 Percent Solid: 88.4

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 07/01/97			
DATE ANALYZED : 07/01/97			
ANALYTICAL DILUTION: 1.0			Dry weight
ALDRIN	1.7	1.9 U	UG/KG
1,1'-DHA-BHC	1.7	1.9 U	UG/KG
1,1'-DA-BHC	1.7	1.9 U	UG/KG
DELTA-BHC	1.7	1.9 U	UG/KG
GAMMA-BHC (LINDANE)	1.7	1.9 U	UG/KG
ALPHA-CHLORDANE	1.7	1.9 U	UG/KG
GAMMA-CHLORDANE	1.7	1.9 U	UG/KG
4,4'-DDD	1.7	19 U	UG/KG
4,4'-DDE	1.7	140	UG/KG
4,4'-DDT	3.3	37 U	UG/KG
DELDRIN	1.7	1.9 U	UG/KG
ALPHA-ENDOSULFAN	1.7	1.9 U	UG/KG
BETA-ENDOSULFAN	3.3	3.7 U	UG/KG
ENDOSULFAN SULFATE	3.3	3.7 U	UG/KG
ENDRIN	1.7	1.9 U	UG/KG
ENDRIN ALDEHYDE	3.3	3.7 U	UG/KG
ENDRIN KETONE	3.3	3.7 U	UG/KG
HEPTACHLOR	1.7	1.9 U	UG/KG
HEPTACHLOR EPOXIDE	1.7	1.9 U	UG/KG
METHOXYCHLOR	6.6	7.5 U	UG/KG
1,1'-1016	17	19 U	UG/KG
PCB 1221	17	19 U	UG/KG
PCB 1232	17	19 U	UG/KG
PCB 1242	17	19 U	UG/KG
PCB 1248	17	19 U	UG/KG
PCB 1254	17	19 U	UG/KG
PCB 1260	17	19 U	UG/KG
TOXAPHENE	33	37 U	UG/KG

SURROGATE RECOVERIES

QC LIMITS

DIBUTYLCHLORENDATE (DBC) (24 - 150 %)
TETRACHLORO-META-XYLENE (TCMX) (30 - 150 %)

72 %
83 %

IL-08-97 07:46 PM FOUR SEASONS ENVTL DPT 1 910 230 0801
07 03 97 14:03 07101540625 CAS ROCHESTER

P.03
002

COLUMBIA ANALYTICAL SERVICES

Reported: 07/03/97

Four Seasons Environmental
Project Reference: GENERAL ELECTRIC
Client Sample ID : TOP SOIL-2

Date Sampled : 06/27/97 Order #: 154662 Sample Matrix: SOIL/SEDIMENT
Date Received: 06/30/97 Submission #: 19706000400

ANALYTE	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	ANALYTICAL DILUTION
DETAILS					
ANTHRACENE	6.00	6.79 U	MG/KG	07/02/97	1.0
ARSENIC	1.00	5.14	MG/KG	07/02/97	1.0
BERYLLIUM	0.500	0.810	MG/KG	07/02/97	1.0
CADMIUM	0.500	0.621	MG/KG	07/02/97	1.0
CHROMIUM	1.00	17.8	MG/KG	07/02/97	1.0
COPPER	2.00	16.5	MG/KG	07/03/97	1.0
LEAD	0.500	21.0	MG/KG	07/02/97	1.0
MERCURY	0.150	0.170 U	MG/KG	07/02/97	1.0
NICKEL	4.00	17.3	MG/KG	07/02/97	1.0
SELENIUM	0.500	7.73	MG/KG	07/02/97	1.0
SILVER	1.00	1.13 U	MG/KG	07/02/97	1.0
SODIUM	1.00	1.13 U	MG/KG	07/02/97	1.0
ZINC	1.00	80.1	MG/KG	07/03/97	1.0
WET CHEMISTRY					
TOTAL CYANIDE	1.00	1.13 U	MG/KG	07/02/97	1.0
PERCENT SOLIDS	1.0	88.4	%	07/02/97	1.0

7164546225 COLUMBIA ANALYTICAL

244 F04 JUL 02 '97 15:20

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
 METHOD 8270 SEMIVOLATILES
 Reported: 07/02/97

Four Seasons Environmental
 Project Reference: GENERAL ELECTRIC
 Client Sample ID : TOP SOIL-2

Date Sampled : 06/27/97 Order #: 154882 Sample Matrix: SOIL/SEDIMENT
 Date Received: 06/30/97 Submission #: 9706000400 Analytical Run 18169

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 07/01/97			
DATE ANALYZED : 07/01/97			
ANALYTICAL DILUTION: 1.0			
4,6-DINITRO-2-METHYLPHENOL	1300	1300 U	UG/KG
4-CHLORO-3-METHYLPHENOL	670	670 U	UG/KG
2-METHYLPHENOL	670	670 U	UG/KG
4-METHYLPHENOL	670	670 U	UG/KG
NAPHTHALENE	330	330 U	UG/KG
2-NITROANILINE	330	330 U	UG/KG
3-NITROANILINE	330	330 U	UG/KG
4-NITROANILINE	330	330 U	UG/KG
NITROBENZENE	330	330 U	UG/KG
-NITROPHENOL	670	670 U	UG/KG
-NITROPHENOL	1300	1300 U	UG/KG
N-NITROSODIMETHYLAMINE	330	330 U	UG/KG
N-NITROSODIPHENYLAMINE	330	330 U	UG/KG
DI-N-OCTYL PHTHALATE	330	330 U	UG/KG
PENTACHLOROPHENOL	1300	1300 U	UG/KG
PHENANTHRENE	330	330 U	UG/KG
PHENOL	670	670 U	UG/KG
4-BROMOPHENYL-PHENYLETHER	330	330 U	UG/KG
4-CHLOROPHENYL-PHENYLETHER	330	330 U	UG/KG
N-NITROSO-DI-N-PROPYLAMINE	330	330 U	UG/KG
P-ENE	330	330 U	UG/KG
1,2,4-TRICHLOROBENZENE	330	330 U	UG/KG
2,4,6-TRICHLOROPHENOL	670	670 U	UG/KG
2,4,5-TRICHLOROPHENOL	670	670 U	UG/KG

SURROGATE RECOVERIESQC LIMITS

TERPHENYL-d14	(18 - 137 %)	54	%
NITROBENZENE-d5	(23 - 120 %)	67	%
PHENOL-d6	(24 - 113 %)	75	%
2-FLUOROBIPHENYL	(30 - 115 %)	70	%
2-FLUOROPHENOL	(25 - 121 %)	67	%
2,4,6-TRIBROMOPHENOL	(19 - 122 %)	75	%

7164545925 COLUMBIA ANALYTICAL

214 PDS JUL 02 '97 15:21

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS

METHOD 8260 TCL

Reported: 07/02/97

Four Seasons Environmental

Project Reference: GENERAL ELECTRIC

Client Sample ID : TOP SOIL-2

Date Sampled : 06/27/97 Order #: 154882 Sample Matrix: SOIL/SEDIMENT
 Date Received: 06/30/97 Submission #: 9706000400 Analytical Run 18164

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 07/01/97			
ANALYTICAL DILUTION: 1.0			

ACETONE	20	20 U	UG/KG
BENZENE	5.0	5.0 U	UG/KG
BROMODICHLOROMETHANE	5.0	5.0 U	UG/KG
BROMOFORM	5.0	5.0 U	UG/KG
BROMOMETHANE	5.0	5.0 U	UG/KG
2-BUTANONE (MEK)	10	10 U	UG/KG
CARBON DISULFIDE	10	10 U	UG/KG
CARBON TETRACHLORIDE	5.0	5.0 U	UG/KG
CHLOROBENZENE	5.0	5.0 U	UG/KG
CHLOROETHANE	5.0	5.0 U	UG/KG
CHLOROFORM	5.0	5.0 U	UG/KG
CHLOROMETHANE	5.0	5.0 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/KG
1,1-DICHLOROETHANE	5.0	5.0 U	UG/KG
1,2-DICHLOROETHANE	5.0	5.0 U	UG/KG
1,1-DICHLOROETHENE	5.0	5.0 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/KG
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/KG
ETHYLBENZENE	5.0	5.0 U	UG/KG
2-HEXANONE	10	10 U	UG/KG
METHYLENE CHLORIDE	5.0	5.0 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/KG
STYRENE	5.0	5.0 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/KG
TETRACHLOROETHENE	5.0	5.0 U	UG/KG
TOLUENE	5.0	5.0 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/KG
TRICHLOROETHENE	5.0	5.0 U	UG/KG
VINYL CHLORIDE	5.0	5.0 U	UG/KG
O-XYLENE	5.0	5.0 U	UG/KG
M+P-XYLENE	5.0	5.0 U	UG/KG

SURROGATE RECOVERIES

QC LIMITS

-BROMOFLUOROBENZENE	(74 - 121 %)	98	%
TOLUENE-D8	(81 - 117 %)	100	%
DIBROMOFLUOROMETHANE	(80 - 120 %)	113	%



CORPORATE HEADQUARTERS:

3107 South Elm-Eugene Street
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Baton Rouge, LA Charlotte, NC Nashville, TN Deer Park, TX Houston, TX Columbus, OH

FACSIMILE TRANSMITTAL COVER SHEET

To: Pete SmithCompany: Dumas & MooreFax Number: 716-675-7136From: John RichardsDate: 6/24/97Subject: Top Soil / Groundwater Lab Results

Number of Pages: 10
(Includes Cover Sheet)

Original to be Mailed? Yes No

Comments:

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COLUMBIA ANALYTICAL SERVICESANALYTICAL REPORT SUMMARY

METHOD 8080

DRY WEIGHT REPORTED UNITS: UG/KG

Four Seasons Environmental
 GE URBAN STREET
 SUBMISSION #: 9706000210

ORDER NUMBER	133056	133057
SAMPLE ID:	TOPSOIL	COMMON
DATE SAMPLED:	06/11/1997	06/11/1997
DATE RECEIVED:	POL 06/12/1997	06/12/1997
DATE EXTRACTED:	06/17/97	06/17/97
DATE ANALYZED:	6/21/97	6/23/97
DILUTION:	1.0	1.0
PERCENT SOLID (%):	82.4	92.0
ALDRIN	1.7	2.1 U
ALPHA-BHC	1.7	2.1 U
BETA-BHC	1.7	2.1 U
DELTA-BHC	1.7	2.1 U
GAMMA-BHC (LINDANE)	1.7	2.1 U
ALPHA-CHLORDANE	1.7	2.1 U
GAMMA-CHLORDANE	1.7	2.1 U
4,4'-DDD	1.7	3.4
4,4'-DDE	1.7	450
4,4'-DDT	3.3	4.0 U
DIELDRIN	1.7	12
ALPHA-ENDOSULFAN	1.7	2.1 U
BETA-ENDOSULFAN	3.3	4.0 U
ENDOSULFAN SULFATE	3.3	4.0 U
ENDRIN	1.7	2.1 U
ENDRIN ALDEHYDE	3.3	4.0 U
ENDRIN KETONE	3.3	4.0 U
HEPTACHLOR	1.7	2.1 U
HEPTACHLOR EPOXIDE	1.7	2.1 U
METHOXYCHLOR	6.6	8.0 U
PCB 1016	17	21 U
PCB 1221	17	21 U
PCB 1232	17	21 U
PCB 1242	17	21 U
PCB 1248	17	21 U
PCB 1254	17	21 U
PCB 1260	17	21 U
TOXAPHENE	33	40 U

SURROGATE RECOVERIES LIMITS

DIBUTYLCHLORODATE (DBC) 24 - 150
 TETRACHLORO-META-XYLENE (TCMX) 30 - 150

*New
 Source
 Prov. Sub. for
 TSPs on*

Reported: 06/23/97

Sample Matrix: SOIL/SEDIMENT

INORGANIC-1

COLUMBIA ANALYTICAL SERVICES

Reported: 06/23/97

Four Seasons Environmental
Project Reference: GE URBAN STREET
Client Sample ID :COMMON

Date Sampled : 06/11/97

Order #: 193057

Sample Matrix: SOIL/SEDIMENT

Date Received: 06/12/97

Submission #: 9706000210

ANALYTE	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	ANALYTICAL DILUTION
METALS					
ANTIMONY	6.00	6.51 U	MG/KG	06/23/97	1.0
ARSENIC	1.00	4.46	MG/KG	06/23/97	1.0
BERYLLIUM	0.500	0.543 U	MG/KG	06/23/97	1.0
CADMIUM	0.500	0.543 U	MG/KG	06/23/97	1.0
CHROMIUM	1.00	10.4	MG/KG	06/23/97	1.0
COFFER	2.00	22.6	MG/KG	06/23/97	1.0
LEAD	1.00	7.92	MG/KG	06/23/97	1.0
MERCURY	0.150	0.163 U	MG/KG	06/19/97	1.0
NICKEL	4.00	20.3	MG/KG	06/23/97	1.0
SELENIUM	1.00	1.09 U	MG/KG	06/23/97	1.0
SILVER	1.00	1.09 U	MG/KG	06/23/97	1.0
THALLIUM	3.00	3.26 U	MG/KG	06/23/97	1.0
ZINC	1.00	65.4	MG/KG	06/23/97	1.0
WET CHEMISTRY					
TOTAL CYANIDE	1.00	1.09 U	MG/KG	06/20/97	1.0
PERCENT SOLIDS	1.0	92.1	%	06/23/97	1.0

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270 SEMIVOLATILES
Reported: 06/23/97

Four Seasons Environmental
Project Reference: GE URBAN STREET
Client Sample ID : TOPSOIL

Date Sampled : 06/11/97 Order #: 153056 Sample Matrix: SOIL/SEDIMEN
Date Received: 06/12/97 Submission #: 9706000210 Percent Solid: 82.4

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 06/16/97			
DATE ANALYZED : 06/17/97			
ANALYTICAL DILUTION: 1.0			
			Dry Weight
ACENAPHTHENE	330	400 U	UG/KG
ACENAPHTHYLENE	330	400 U	UG/KG
ANTHRACENE	330	400 U	UG/KG
BENZO(A)ANTHRACENE	330	400 U	UG/KG
BENZO(A)PYRENE	330	400 U	UG/KG
BENZO(B)FLUORANTHENE	330	400 U	UG/KG
BENZO(G,H,I)PERYLENE	330	400 U	UG/KG
BENZO(K)FLUORANTHENE	330	400 U	UG/KG
BENZYL ALCOHOL	330	400 U	UG/KG
BUTYL BENZYL PHTHALATE	330	400 U	UG/KG
DI-N-BUTYLPHTHALATE	330	400 U	UG/KG
CARBAZOLE	330	400 U	UG/KG
INDENO(1,2,3-CD)PYRENE	330	400 U	UG/KG
4-CHLOROANILINE	330	400 U	UG/KG
BIS(-2-CHLOROETHOXY)METHANE	330	400 U	UG/KG
BIS(2-CHLOROETHYL)ETHER	330	400 U	UG/KG
2-CHLORONAPHTHALENE	330	400 U	UG/KG
2-CHLOROPHENOL	670	810 U	UG/KG
2,2'-OXYBIS(1-CHLOROPROPANE)	330	400 U	UG/KG
CHRYSENE	330	400 U	UG/KG
DIBENZO(A,H)ANTHRACENE	330	400 U	UG/KG
DIBENZOFURAN	330	400 U	UG/KG
1,3-DICHLOROBENZENE	330	400 U	UG/KG
1,2-DICHLOROBENZENE	330	400 U	UG/KG
1,4-DICHLOROBENZENE	330	400 U	UG/KG
3,3'-DICHLOROBENZIDINE	330	400 U	UG/KG
2,4-DICHLOROPHENOL	670	810 U	UG/KG
DIETHYLPHTHALATE	330	400 U	UG/KG
DIMETHYL PHTHALATE	330	400 U	UG/KG
2,4-DIMETHYLPHENOL	670	810 U	UG/KG
2,4-DINITROPHENOL	1300	1600 U	UG/KG
2,4-DINITROTOLUENE	330	400 U	UG/KG
2,6-DINITROTOLUENE	330	400 U	UG/KG
BIS(2-ETHYLHEXYL)PHTHALATE	330	400 U	UG/KG
FLUORANTHENE	330	400 U	UG/KG
FLUORENE	330	400 U	UG/KG
HEXACHLOROBENZENE	330	400 U	UG/KG
HEXACHLOROBUTADIENE	330	400 U	UG/KG
HEXACHLOROCYCLOPENTADIENE	330	400 U	UG/KG
HEXACHLOROETHANE	330	400 U	UG/KG
ISOPHORONE	330	400 U	UG/KG
2-METHYLNAPHTHALENE	670	810 U	UG/KG

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270 SEMIVOLATILES
Reported: 06/23/97

Four Seasons Environmental
Project Reference: GE URBAN STREET
Client Sample ID : TOPSOIL

Date Sampled : 06/11/97 Order #: 153056 Sample Matrix: SOIL/SEDIMEN
Date Received: 06/12/97 Submission #: 9706000210 Percent Solid: 82.4

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 06/16/97			
DATE ANALYZED : 06/17/97			
ANALYTICAL DILUTION: 1.0			Dry Weight
4,6-DINITRO-2-METHYLPHENOL	1300	1600 U	UG/KG
4-CHLORO-3-METHYLPHENOL	670	810 U	UG/KG
2-METHYLPHENOL	670	810 U	UG/KG
4-METHYLPHENOL	670	810 U	UG/KG
NAPHTHALENE	330	400 U	UG/KG
2-NITROANILINE	330	400 U	UG/KG
3-NITROANILINE	330	400 U	UG/KG
4-NITROANILINE	330	400 U	UG/KG
NITROBENZENE	330	400 U	UG/KG
2-NITROPHENOL	670	810 U	UG/KG
4-NITROPHENOL	1300	1600 U	UG/KG
N-NITROSODIMETHYLAMINE	330	400 U	UG/KG
N-NITROSODIPHENYLAMINE	330	400 U	UG/KG
DI-N-OCTYL PHTHALATE	330	400 U	UG/KG
PENTACHLOROPHENOL	1300	1600 U	UG/KG
PHENANTHRENE	330	400 U	UG/KG
PHENOL	670	810 U	UG/KG
4-BROMOPHENYL-PHENYLETHER	330	400 U	UG/KG
4-CHLOROPHENYL-PHENYLETHER	330	400 U	UG/KG
N-NITROSO-DI-N-PROPYLAMINE	330	400 U	UG/KG
PYRENE	330	400 U	UG/KG
1,2,4-TRICHLOROBBENZENE	330	400 U	UG/KG
2,4,6-TRICHLOROPHENOL	670	810 U	UG/KG
2,4,5-TRICHLOROPHENOL	670	810 U	UG/KG

SURROGATE RECOVERIESQC LIMITS

TERPHENYL-d14	(18 - 137 %)	67	%
NITROBENZENE-d5	(23 - 120 %)	50	%
PHENOL-d6	(24 - 113 %)	76	%
2-FLUOROBIPHENYL	(30 - 115 %)	55	%
2-FLUOROPHENOL	(25 - 121 %)	63	%
2,4,6-TRIBROMOPHENOL	(19 - 122 %)	67	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270 SEMIVOLATILES
Reported: 06/23/97

Four Seasons Environmental
Project Reference: GE URBAN STREET
Client Sample ID : COMMON

Date Sampled : 06/11/97 Order #: 153057 Sample Matrix: SOIL/SEDIMEN
Date Received: 06/12/97 Submission #: 9706000210 Percent Solid: 92.1

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 06/16/97			
DATE ANALYZED : 06/17/97			
ANALYTICAL DILUTION: 1.0			Dry Weight
ACENAPHTHENE	330	360 U	UG/KG
ACENAPHTHYLENE	330	360 U	UG/KG
ANTHRACENE	330	360 U	UG/KG
BENZO(A)ANTHRACENE	330	360 U	UG/KG
BENZO(A)PYRENE	330	360 U	UG/KG
BENZO(B)FLUORANTHENE	330	360 U	UG/KG
BENZO(G,H,I)PERYLENE	330	360 U	UG/KG
BENZO(K)FLUORANTHENE	330	360 U	UG/KG
BENZYL ALCOHOL	330	360 U	UG/KG
BUTYL BENZYL PHTHALATE	330	360 U	UG/KG
DI-N-BUTYLPHTHALATE	330	360 U	UG/KG
CARBAZOLE	330	360 U	UG/KG
INDENO(1,2,3-CD)PYRENE	330	360 U	UG/KG
4-CHLOROANILINE	330	360 U	UG/KG
BIS(-2-CHLOROETHOXY)METHANE	330	360 U	UG/KG
BIS(2-CHLOROETHYL)ETHER	330	360 U	UG/KG
2-CHLORONAPHTHALENE	330	360 U	UG/KG
2-CHLOROPHENOL	670	730 U	UG/KG
2,2'-OXYBIS(1-CHLOROPROPANE)	330	360 U	UG/KG
CHRYSENE	330	360 U	UG/KG
DIBENZO(A,H)ANTHRACENE	330	360 U	UG/KG
DIBENZOFURAN	330	360 U	UG/KG
1,3-DICHLOROBENZENE	330	360 U	UG/KG
1,2-DICHLOROBENZENE	330	360 U	UG/KG
1,4-DICHLOROBENZENE	330	360 U	UG/KG
3,3'-DICHLOROBENZIDINE	330	360 U	UG/KG
2,4-DICHLOROPHENOL	670	730 U	UG/KG
DIETHYLPHTHALATE	330	360 U	UG/KG
DIMETHYL PHTHALATE	330	360 U	UG/KG
2,4-DIMETHYLPHENOL	670	730 U	UG/KG
2,4-DINITROPHENOL	1300	1400 U	UG/KG
2,4-DINITROTOLUENE	330	360 U	UG/KG
2,6-DINITROTOLUENE	330	360 U	UG/KG
BIS(2-ETHYLBXYL)PHTHALATE	330	360 U	UG/KG
FLUORANTHENE	330	360 U	UG/KG
FLUORENE	330	360 U	UG/KG
HEXACHLOROBENZENE	330	360 U	UG/KG
HEXACHLOROBUTADIENE	330	360 U	UG/KG
HEXACHLOROCYCLOPENTADIENE	330	360 U	UG/KG
HEXACHLOROBETHANE	330	360 U	UG/KG
ISOPHORONE	330	360 U	UG/KG
2-METHYLNAPHTHALENE	670	730 U	UG/KG

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270 SEMIVOLATILES
Reported: 06/23/97

Four Seasons Environmental
Project Reference: GE URBAN STREET
Client Sample ID : COMMON

Date Sampled : 06/11/97 Order #: 153057 Sample Matrix: SOIL/SEDIMEN
Date Received: 06/12/97 Submission #: 9706000210 Percent Solid: 92.1

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 06/16/97			
DATE ANALYZED : 06/17/97			
ANALYTICAL DILUTION: 1.0			Dry Weight
4,6-DINITRO-2-METHYLPHENOL	1300	1400 U	UG/KG
4-CHLORO-3-METHYLPHENOL	670	730 U	UG/KG
2-METHYLPHENOL	670	730 U	UG/KG
4-METHYLPHENOL	670	730 U	UG/KG
NAPHTHALENE	330	360 U	UG/KG
2-NITROANILINE	330	360 U	UG/KG
3-NITROANILINE	330	360 U	UG/KG
4-NITROANILINE	330	360 U	UG/KG
NITROBENZENE	330	360 U	UG/KG
2-NITROPHENOL	670	730 U	UG/KG
4-NITROPHENOL	1300	1400 U	UG/KG
N-NITROSODIMETHYLAMINE	330	360 U	UG/KG
N-NITROSODIPHENYLAMINE	330	360 U	UG/KG
DI-N-OCTYL PHTHALATE	330	360 U	UG/KG
PENTACHLOROPHENOL	1300	1400 U	UG/KG
PHENANTHRENE	330	360 U	UG/KG
PHENOL	670	730 U	UG/KG
4-BROMOPHENYL-PHENYLETHER	330	360 U	UG/KG
4-CHLOROPHENYL-PHENYLETHER	330	360 U	UG/KG
N-NITROSO-DI-N-PROPYLAMINE	330	360 U	UG/KG
PYRENE	330	360 U	UG/KG
1,2,4-TRICHLOROBENZENE	330	360 U	UG/KG
2,4,6-TRICHLOROPHENOL	670	730 U	UG/KG
2,4,5-TRICHLOROPHENOL	670	730 U	UG/KG

SURROGATE RECOVERIESQC LIMITS

TERPHENYL-d14	(18 - 137 %)	59	%
NITROBENZENE-d5	(23 - 120 %)	36	%
PHENOL-d6	(24 - 113 %)	68	%
2-FLUOROBIPHENYL	(30 - 115 %)	40	%
2-FLUOROPHENOL	(25 - 121 %)	55	%
2,4,6-TRIBROMOPHENOL	(19 - 122 %)	59	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS

METHOD 8260 TCL

Reported: 06/23/97

Four Seasons Environmental
 Project Reference: GE URBAN STREET
 Client Sample ID : TOPSOIL

Date Sampled : 06/11/97 Order #: 153056 Sample Matrix: SOIL/SEDIMEN
 Date Received: 06/12/97 Submission #: 9706000210 Percent Solid: 82.4

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 06/17/97			
ANALYTICAL DILUTION: 1.0			Dry Weight
ACETONE	20	24 U	UG/KG
BENZENE	5.0	6.1 U	UG/KG
BROMODICHLOROMETHANE	5.0	6.1 U	UG/KG
BROMOFORM	5.0	6.1 U	UG/KG
BROMOMETHANE	5.0	6.1 U	UG/KG
2-BUTANONE (MEK)	10	12 U	UG/KG
CARBON DISULFIDE	10	12 U	UG/KG
CARBON TETRACHLORIDE	5.0	6.1 U	UG/KG
CHLOROBENZENE	5.0	6.1 U	UG/KG
CHLOROETHANE	5.0	6.1 U	UG/KG
CHLOROFORM	5.0	6.1 U	UG/KG
CHLOROMETHANE	5.0	6.1 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	6.1 U	UG/KG
1,1-DICHLOROETHANE	5.0	6.1 U	UG/KG
1,2-DICHLOROETHANE	5.0	6.1 U	UG/KG
1,1-DICHLOROETHENE	5.0	6.1 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	6.1 U	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	6.1 U	UG/KG
1,2-DICHLOROPROPANE	5.0	6.1 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	6.1 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	6.1 U	UG/KG
ETHYLBENZENE	5.0	6.1 U	UG/KG
2-HEXANONE	10	12 U	UG/KG
METHYLENE CHLORIDE	5.0	6.1 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	12 U	UG/KG
STYRENE	5.0	6.1 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	6.1 U	UG/KG
TETRACHLOROETHENE	5.0	6.1 U	UG/KG
TOLUENE	5.0	6.1 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	6.1 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	6.1 U	UG/KG
TRICHLOROETHENE	5.0	6.1 U	UG/KG
VINYL CHLORIDE	5.0	6.1 U	UG/KG
O-XYLENE	5.0	6.1 U	UG/KG
M+P-XYLENE	5.0	6.1 U	UG/KG

SURROGATE RECOVERIESQC LIMITS

4-BROMOFLUOROBENZENE	(74 - 121 %)	79	%
TOLUENE-D8	(81 - 117 %)	101	%
DIBROMOFLUOROMETHANE	(80 - 120 %)	105	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260 TCL
Reported: 06/23/97

Four Seasons Environmental
Project Reference: GE URBAN STREET
Client Sample ID : COMMON

Date Sampled : 06/11/97 Order #: 153057 Sample Matrix: SOIL/SEDIMENT
Date Received: 06/12/97 Submission #: 9706000210 Percent Solid: 92.1

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 06/17/97			
ANALYTICAL DILUTION: 1.0			Dry Weight
ACETONE	20	22 U	UG/KG
BENZENE	5.0	5.4 U	UG/KG
BROMODICHLOROMETHANE	5.0	5.4 U	UG/KG
BROMOFORM	5.0	5.4 U	UG/KG
BROMOMETHANE	5.0	5.4 U	UG/KG
2-BUTANONE (MEK)	10	11 U	UG/KG
CARBON DISULFIDE	10	11 U	UG/KG
CARBON TETRACHLORIDE	5.0	5.4 U	UG/KG
CHLOROBENZENE	5.0	5.4 U	UG/KG
CHLOROETHANE	5.0	5.4 U	UG/KG
CHLOROFORM	5.0	5.4 U	UG/KG
CHLOROMETHANE	5.0	5.4 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	5.4 U	UG/KG
1,1-DICHLOROETHANE	5.0	5.4 U	UG/KG
1,2-DICHLOROETHANE	5.0	5.4 U	UG/KG
1,1-DICHLOROETHENE	5.0	5.4 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	5.4 U	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	5.4 U	UG/KG
1,2-DICHLOROPROPANE	5.0	5.4 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	5.4 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	5.4 U	UG/KG
ETHYLBENZENE	5.0	5.4 U	UG/KG
2-HEXANONE	10	11 U	UG/KG
METHYLENE CHLORIDE	5.0	5.4 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	11 U	UG/KG
STYRENE	5.0	5.4 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	5.4 U	UG/KG
TETRACHLOROETHENE	5.0	5.4 U	UG/KG
TOLUENE	5.0	5.4 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	5.4 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	5.4 U	UG/KG
TRICHLOROETHENE	5.0	5.4 U	UG/KG
VINYL CHLORIDE	5.0	5.4 U	UG/KG
O-XYLENE	5.0	5.4 U	UG/KG
M+P-XYLENE	5.0	5.4 U	UG/KG

SURROGATE RECOVERIESQC LIMITS

4-BROMOFLUOROBENZENE	(74 - 121 %)	102	%
TOLUENE-D8	(81 - 117 %)	102	%
DIBROMOFLUOROMETHANE	(80 - 120 %)	103	%



CORPORATE HEADQUARTERS
3107 SOUTH ELW-EUGENE STREET
P.O. BOX 15590 • GREENSBORO, NC 27416-0590

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CHARLOTTE, NC

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HOUSTON, TX

COLUMBUS, OH

FACSIMILE TRANSMITTAL COVER SHEET

Phone: (910) 273-2718

Industrial Services Fax: (910) 230-0801

To: Pete Smith
Company: James & Moore
Fax Number: 716-675-7136
From: Michael Staneman
Date: 7-22-97
Subject: Backfill Results

Number of Pages: 5
(includes cover sheet)

Original to be Mailed?

Yes

☒ No

Comments:

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SENT BY:

6-24-97 : 14:33 :MALCOLM PIRNIE BFL.O.-

910 230 0801# 1/ 1

**MALCOLM
PIRNIE****FACSIMILE TRANSMITTAL**

Malcolm Pirnie, Inc.
40 Centre Drive, P.O. Box 1938
Buffalo, New York 14219
TEL: 716-667-6677
FAX: 716-667-0279

TO: John Richards
OF: Four Seasons Environmental
FAX NO.: 910-230-0801
RE: Soil Testing

FROM: Joseph Boyles
DATE: 6-24-97
TIME:
PROJECT NUMBER:

NUMBER OF PAGES: (including this sheet)

1

RETURN ORIGINALS TO SENDER: *(circle one)* Yes No**MESSAGE:**

Dear Mr. Richards:

As you are aware, you were required to provide porosity data for the topsoil on your project prior to placement. Unfortunately, we are unable to provide that data. In order to provide porosity results, we need to determine a soil density. It is impossible to specify a soil density on loose and clumpy material such as we received in the five gallon pail. There is too much variability involved (degree of compaction). We can, if you require, determine the soil density once it is in place and then report porosity. If you need a letter to the above effect, please let me know and I will provide the same.

Thanks,
Joe

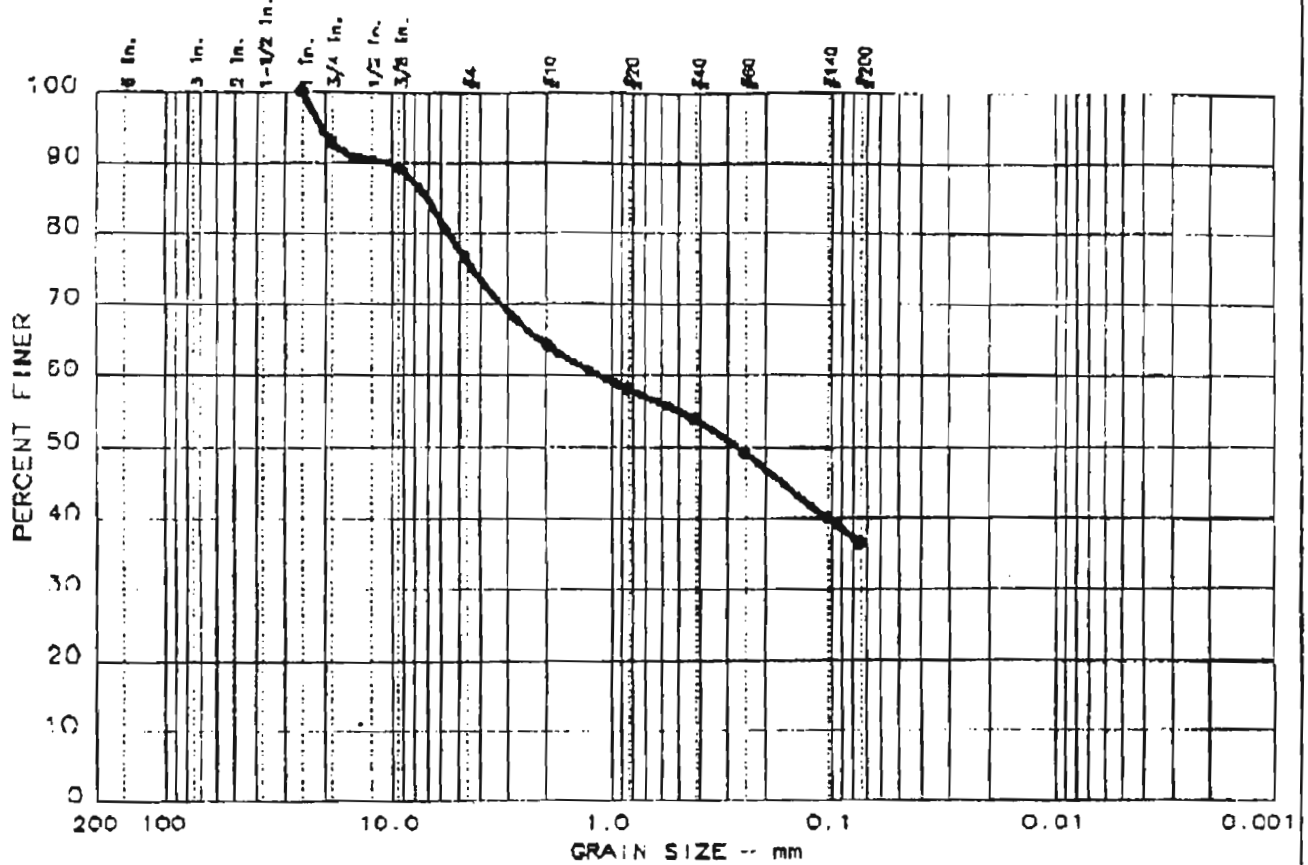
*If you do not receive all pages or if portions are illegible
please call 716-667-6677 for retransmission*

SENT BY:

6-24-97 : 15:43 :MALCOLM PIRNIE RFI 0.-

910 230 0801: # 3/ 3

PARTICLE SIZE DISTRIBUTION TEST REPORT



% +3"	% GRAVEL	% SAND	% SILT	% CLAY	USCS	LL	PI
0.0	23.4	40.0	36.6		SM		

SIEVE Inches size	PERCENT FINER		
1	100.0		
0.75	93.1		
0.375	89.3		
GRAIN SIZE			
D ₆₀	1.16		
D ₃₀			
D ₁₀			
COEFFICIENTS			
C _c			
C _u			

SIEVE number size	PERCENT FINER		
4	76.6		
10	64.3		
20	58.1		
40	53.8		
60	49.3		
140	40.0		
200	36.5		

Sample information:
 • Off-Site Borrow
 Brown Silty sand with
 gravel

Remarks:

**MALCOLM
PIRNIE, INC.**

Project No.:
 Project: Four Seasons Environmental

Date: 6-20-97

Data Sheet No. _____

FROM:

FXKI

JUL-25-97 Wed 19:13

06/25/97

DRAFT

SAMPLE PROGRESS REPORT

Wastestream Technology

Date: 06-25-1997 Time: 14:46:24

Sample I.D. WS34193

Status: In validation queue

Expiration Date: 07/01/97

Group Number: 9701-492

Client code: MALCOLM

Updated:

Sample Des: TOPSOIL #1

Date collected: 06/17/97

Date submitted: 06/18/97

Due date: 07/02/97

Specification checking: off

Site Des: FOUR SEASON

Size: 1*1bag

Matrix: Soil

Analysis	Result	MDL	Unit	Rt Origin	Due Date	Started	Ended	Anal
Microwave Digestion Soil	Completed			Manual	07/02/97	06/20/97 16:42	06/20/97	RG
Total Kjeldahl Nitrogen	1775 MG/KG		mg/L	Manual	07/02/97	06/16/97 17:27	06/18/97	HTC
Potassium by ICP	716	125	mg/Kg	Manual	07/02/97	06/25/97 11:15	06/25/97	AM
Total Phosphorus in Soil	2.17	1.0	mg/Kg	Manual	07/02/97	06/23/97 15:08	06/23/97	GI

End of progress report on sample: WS34193

CLUMBERA ANALYTICAL SERVICES, INC.
700 Exchange Street, Rochester, New York 14608
(716) 454-6810 • FAX (716) 454-8825

(800) 695-7222

DATE 6/11/91 PAGE 1 OF 1

PAGE

30

[illegible]



DAMES & MOORE

A DAMES & MOORE GROUP COMPANY

3065 Southwestern Boulevard
Suite 202
Orchard Park, New York 14127
716 675 7130 Tel
716 675 7136 Fax

July 25, 1997

City of Buffalo
Department of Law
1100 City Hall
Buffalo, New York 14202-3379

Attn: Ms. Sandra Nasca

Re: Analytical and Physical Testing Results
318 Urban Street Project
Buffalo, New York

Dear Ms. Nasca:

In response to your letter of July 10, 1997, I have enclosed for your review copies of analytical and physical testing results for topsoil that will be used to backfill the City right-of-way for the 318 Urban Street project.

I have also contact Mr. Mike Stoneman of Four Seasons Environmental, Inc. and I asked him to followup on providing you with an original insurance certificate. If you do not receive this information from him, please give me a call.

We anticipate that excavation of the City right-of-way will be completed during the week of August 4, 1997. Copies of analytical testing results will be provided following completion of the work.

If you have any questions, please call me at (716) 675-7130, Mark Colmerauer at the site at (716) 897-1715, or Mr. John Harssen of GE at (518) 385-9932.

Sincerely,
DAMES & MOORE

Peter J. Smith
Project Engineer



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P.O. BOX 16590 • GREENSBORO, NC 27416-0590

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HOUSTON, TX

COLUMBUS, OH

FACSIMILE TRANSMITTAL COVER SHEET

Phone: (910) 273-2718
Industrial Services Fax: (910) 230-0801

OK.
No Exceptions

To: Pete Smith
Company: James & Moore
Fax Number: 716-675-7136
From: Michael Stoneman
Date: 5-17-97
Subject: Top Soil Results

Number of Pages: 11
(includes cover sheet)

Original to be Mailed?

Yes

☒ No

Comments:

Pete,
Attached are the results of the top soil.
The locations for the backfill & top soil
are listed on the cover sheet from
Paris.

THANK YOU,

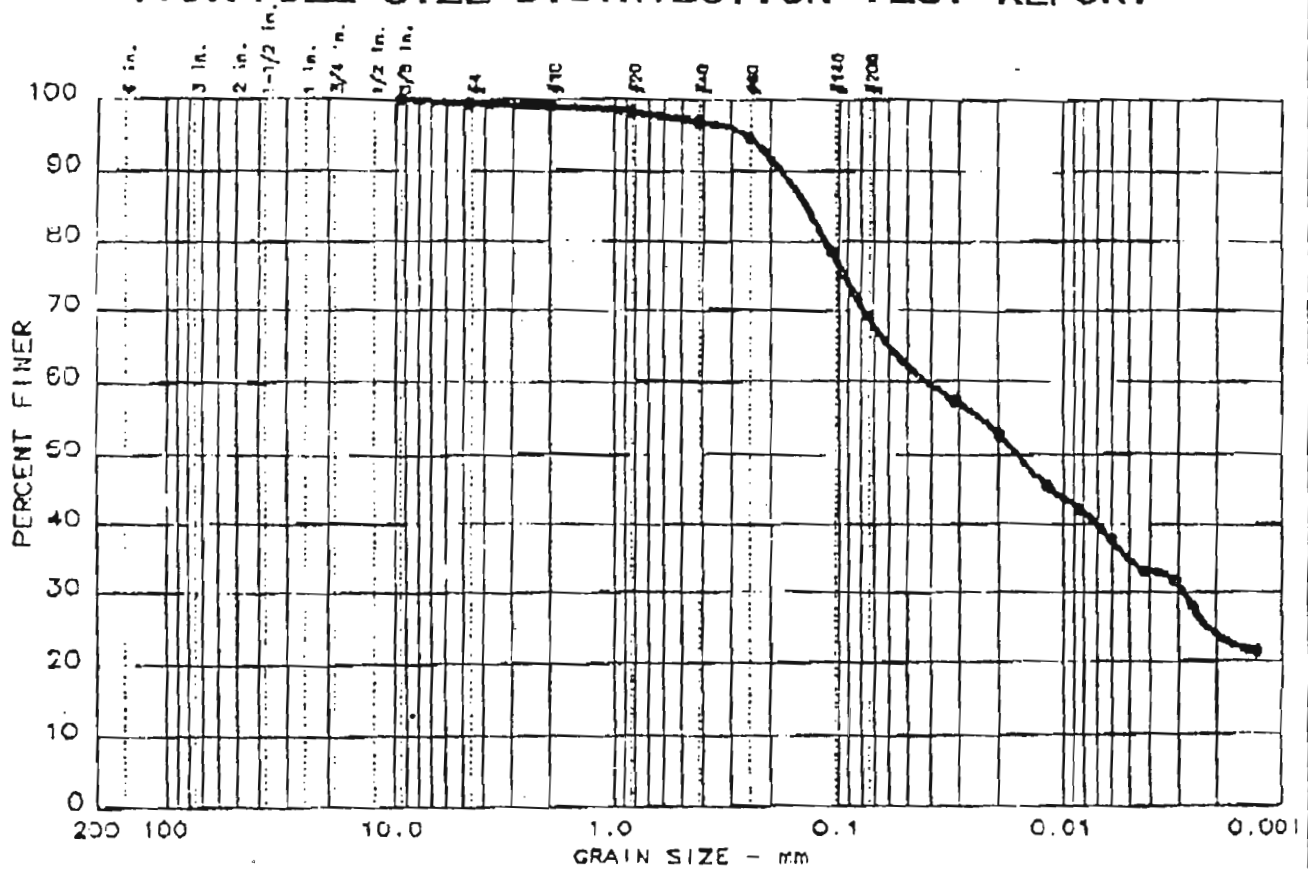
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SENT BY:

7-16-97 : 16:19 :MALCOLM PIRNIE BFLQ.-

910 230 0801:# 2/ 3

PARTICLE SIZE DISTRIBUTION TEST REPORT



% +3"	% GRAVEL	% SAND	% SILT	% CLAY	USCS	LL	PI
0.0	0.6	30.2	45.4	23.8			

SIEVE Inches Size	PERCENT FINER		
0.375	100.0		
GRAIN SIZE			
D ₆₀	0.003		
D ₃₀			
D ₁₀			
COEFFICIENTS			
C _c			
C _u			

SIEVE number size	PERCENT FINER		
4	99.4		
10	98.9		
20	98.2		
40	96.9		
60	94.7		
100	88.2		
200	23.8		

Sample Information:
• Topsoil #2

Remarks:
Lab ID No.: 97-364

**MALCOLM
PIRNIE, INC.**

Project No.:
Project: Four Seasons Environmental

Date: 7-3-97

Data Sheet No. _____

Malcolm Pirnie, Inc.

Project: Four Seasons Environmental

Date: 7-7-97

Topsoil Sample Testing

Sample	Organic Content %	pH
Topsoil #2	3.6	6.3

FROM:

FAX:

Jul-16-97 Wed 16:11

PAGE: 02

WASTE STREAM TECHNOLOGY, INC.

302 Grote Street
Buffalo, NY 14207
(716) 878-5290

Analytical Data Report
Report Date : 07/15/97
Group Number : 8701-570

Prepared For :
Mr. Joseph Boyles
Malcolm Pirnie, Inc.
40 Centre Drive
Orchard Park, NY 14127

Site : Malcolm Pirnie

Field and Laboratory Information

Client Id	WST Lab #	Matrix	Date Sampled	Date Received	Time
Top Soil #2	WS34843	Soil	NA	7/7/97	1300
Sample Status Upon Receipt : No irregularities					

Analytical Parameters

Total Potassium
Total Phosphorus
TKN

**Analytical Services
Number of Samples**

1
1
1

Turnaround Time

5 Business Days
5 Business Days
5 Business Days

Report Released By : Daniel W. Vollmer
Daniel Vollmer, Laboratory QA/QC Officer

ENVIRONMENTAL LABORATORY ACCREDITATION CERTIFICATION NUMBERS
NYSDOH ELAP #11179 NJDEPE #73977 CDHS ELAP #2189



FROM:

FAX:

TO: 7-14-97 6:44 16113

PAGE: 87

DATE: 7/13/97

TIME: 2:51 PM

TO: WESTERN HILL RD - 97002412

FILED: 1412

TOTAL KJELDAHL NITROGEN ANALYSIS

SAMPLE IDENTIFICATION	RESULT mg/l
WS 34213	330 mg/l
QA/QC %RECOVERY	101 %
ANALYSIS DATE: JULY 14, 1997	
THIS ANALYSIS DONE BY THE CITY OF N. TONAWANDA WWTP FOR WASTEWATER TECHNOLOGY USING EPA METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES 1878 #0003513	
COMPLETED BY:	DAVID W. KOZLOWSKI, LABORATORY DIRECTOR
	LAB ID: NYSDOH #1028

SENT BY:

7-16-97 : 16:23 : KALCOLM PIRVIE BFO.-

910 230 0801: # 7/ 8

FROM

FAX:

Jul-16-97 Wed 16:12

PAGE: 96

Waste Stream Technology, Inc.
Total Phosphorus In Soil
EPA 365.2

Site: MALCOLM PIRNIE
Date Sampled: NA
Date Received: 07/07/97

Group Number: 8701-570
Report Units: mg/Kg
Matrix: Soil

WST Lab ID	Client ID	Analysis Date	Detection Limit	Result
WS34843	TOP SOIL #2	07/08/97	1.0	44.2

FROM:

FAX:

Jul-16-97 06:16:12

PAGE 08

Waste Stream Technology, Inc.
Metals Method Blank Analysis Result Report

Site: MALCOLM PIRNIE
Date Sampled: NA
Date Received: NA

Group Number 8701-670
Report Units: PPM

Lab ID Number MB070997-S1				
Client ID NA				
Date Digested 07/09/97				
Analyte	Detection Limit	Result	Date Analyzed	Analysis Method
K soil Method Blank	125	< 125	07/10/97	SW-846 B010

MB denotes Method Blank
NA denotes Not Applicable

PAGE 1

PAGE 1

JUL-16-97 Led 16:11

PAGE 04

Waste Stream Technology, Inc.
Metals Analysis Result Report

Site: MALCOLM PIRNIE
Date Sampled: NA
Date Received: 07/07/97

Group Number: 9701-870
Report Units: mg/Kg
Matrix: Soil

Lab ID Number		WS34843		
Client ID		TOP SOIL #2		
Date Digested		07/09/97		
Analyte	Detection Limit	Result	Date Analyzed	Analysis Method
Potassium by ICP	126	701	07/10/97	SW-848 6010



FRO:

FAX:

JUL-16-97 Wed 10:11

PAGE: 03

METHODOLOGIES

The specific methodologies employed in obtaining the analytical data reported are indicated on each of the result forms. The method numbers shown refer to the following analytical method references:

Methods for Chemical Analysis of Water and Wastes, EPA 600/4-79-020, March 1979, Revised 1983, U.S. Environmental Monitoring and Support Laboratory, Cincinnati, Ohio 45268.

Federal Register, 40 CFR Part 136: Guidelines Establishing Test Procedures for the Analysis of Pollutants Under the Clean Water Act. Revised July 1992.

Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. Third Edition, Revised September 1994, United States EPA SW-846.

Annual Book of ASTM Standards, Volume 11. ASTM, 1916 Race Street, Philadelphia, Pennsylvania 19103.

Standard Methods for the Examination of Water and Wastewater. (18th Edition). American Public Health Association, 1105 18th Street, NW, Washington, D.C. 20036.

U.S. ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

SENT BY:

7-16-97 : 16:23 :MALCOLM PIRNIE BFLD. -

910 230 0801: # 8/ 8

CHAIN OF CUSTODY RECORD

9701-570

MALCOLM PIRNIE, INC.

PROJECT NO:		PROJECT NAME:		STATION LOCATION		NO. OF SAMPLES		REMARKS	
DATE		TIME		DATE		TIME		DATE	
7/16/97		16:23		Top Soil #2		1		5 dzn kura 2 mung W534843	
7/17/97		16:23		Top Soil #2		1			
7/18/97		16:23		Top Soil #2		1			
7/19/97		16:23		Top Soil #2		1			
7/20/97		16:23		Top Soil #2		1			
7/21/97		16:23		Top Soil #2		1			
7/22/97		16:23		Top Soil #2		1			
7/23/97		16:23		Top Soil #2		1			
7/24/97		16:23		Top Soil #2		1			
7/25/97		16:23		Top Soil #2		1			
7/26/97		16:23		Top Soil #2		1			
7/27/97		16:23		Top Soil #2		1			
7/28/97		16:23		Top Soil #2		1			
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07/07/1997 09:53 7168754.21

CARMEN M. PARISO INC.

PAGE 01

FAX # 910-274-5798

— Attn: John Richardson —
CARMEN M. PARISO INC.
3649 RIVER ROAD
TONAWANDA, NY 14150

OFFICE NUMBER: (716) 875-8168
FAX NUMBER: (716) 875-4121

NUMBER OF PAGES INCLUDING THIS ONE: _____

DATE: 7/7/97TO: John RichardsonOF: Four SEASONS ENVIRONMENTALREGARDING: BANK RUN ADDRESS + ALSO Topsoil ADDRESS

- 1) Bank Run - B. Pariso Transport Inc.
Sand & Gravel Products
Rt. 238 - DARIEN, N.Y.
- 2) Topsoil - C.M. Pariso Inc.
Highland Farms R.D.
CLARENCE, NY. 14031 / Old Farm Land
Pushed up in spring 1996

FROM: Hollywood

CARMEN M. PARISO, INC.

07/07/1997 09:53 7166754121

CARMEN M. PARISO INC.

PAGE 01

FAX # 910-274-5798

- Attn: John Richardson -
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3649 RIVER ROAD
TONAWANDA, NY 14150

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Pushed up in spring 1996

FROM: Hollywood

CARMEN M. PARISO, INC.

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8080
Reported: 07/03/97

Four Seasons Environmental
Project Reference: GENERAL ELECTRIC
Client Sample ID : TOP SOIL-2

Date Sampled : 06/27/97 Order #: 154882 Sample Matrix: SOIL/SEDIMENT
Date Received: 06/30/97 Submission #: 9706000400 Percent Solid: 88.4

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 07/01/97			
DATE ANALYZED : 07/01/97			
ANALYTICAL DILUTION: 1.0			Dry weight
ALDRIN	1.7	1.9 U	UG/KG
ALPHA-BHC	1.7	1.9 U	UG/KG
BETA-BHC	1.7	1.9 U	UG/KG
DELTA-BHC	1.7	1.9 U	UG/KG
GAMMA-BHC (LINDANE)	1.7	1.9 U	UG/KG
ALPHA-CHLORDANE	1.7	1.9 U	UG/KG
GAMMA-CHLORDANE	1.7	1.9 U	UG/KG
4,4'-DDD	1.7	19 U	UG/KG
4,4'-DDE	1.7	140	UG/KG
4,4'-DDT	3.3	37 U	UG/KG
DELDRIN	1.7	1.9 U	UG/KG
PEA-ENDOSULFAN	1.7	1.9 U	UG/KG
BETA-ENDOSULFAN	3.3	3.7 U	UG/KG
ENDOSULFAN SULFATE	3.3	3.7 U	UG/KG
ENDRIN	1.7	1.9 U	UG/KG
ENDRIN ALDEHYDE	3.3	3.7 U	UG/KG
ENDRIN KETONE	3.3	3.7 U	UG/KG
HEPTACHLOR	1.7	1.9 U	UG/KG
HEPTACHLOR EPOXIDE	1.7	1.9 U	UG/KG
METHOXYCHLOR	6.6	7.5 U	UG/KG
PCB 1016	17	19 U	UG/KG
PCB 1221	17	19 U	UG/KG
PCB 1232	17	19 U	UG/KG
PCB 1242	17	19 U	UG/KG
PCB 1248	17	19 U	UG/KG
PCB 1254	17	19 U	UG/KG
PCB 1260	17	19 U	UG/KG
TOXAPHENE	33	37 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
DIBUTYLCHLORENDATE (DBC)	(24 - 150 %)	72	%
TETRACHLORO-META-XYLENE (TCMX)	(30 - 150 %)	83	%

08-97 07:46 PM FOUR SEASONS ENVTL DPT 1 310 230 0801
07 03 97 14:03 7104346625 CAS ROCHESTER

P.03
002

COLUMBIA ANALYTICAL SERVICES

Reported: 07/03/97

Four Seasons Environmental
Project Reference: GENERAL ELECTRIC
Client Sample ID : TOP SOIL-2

Date Sampled : 06/27/97
Date Received: 06/30/97

Order #: 154882
Submission #: 19706000400

Sample Matrix: SOIL/SEDIMENT

ANALYTE	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	ANALYTICAL DILUTION
ANTIMONY	6.00	6.79 U	MG/KG	07/02/97	1.0
ARSENIC	1.00	5.14	MG/KG	07/02/97	1.0
BERYLLIUM	0.500	0.810	MG/KG	07/02/97	1.0
CADMIUM	0.500	0.621	MG/KG	07/02/97	1.0
CHROMIUM	1.00	17.8	MG/KG	07/02/97	1.0
COPPER	2.00	16.5	MG/KG	07/03/97	1.0
LEAD	0.500	21.0	MG/KG	07/02/97	1.0
MERCURY	0.150	0.170 U	MG/KG	07/02/97	1.0
NICKEL	4.00	17.3	MG/KG	07/02/97	1.0
SELENIUM	0.500	7.73	MG/KG	07/02/97	1.0
SILICON	1.00	1.13 U	MG/KG	07/02/97	1.0
ZINC	1.00	1.13 U	MG/KG	07/02/97	1.0
TOBACCO	1.00	80.1	MG/KG	07/03/97	1.0
WET CHEMISTRY					
TOTAL CYANIDE	1.00	1.13 U	MG/KG	07/02/97	1.0
PERCENT SOLIDS	1.0	88.4	%	07/02/97	1.0

7164549225 COLUMBIA ANALYTICAL

244 F04 JUL 02 '97 15:20

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
 METHOD 8270 SEMIVOLATILES
 Reported: 07/02/97

Four Seasons Environmental
 Project Reference: GENERAL ELECTRIC
 Client Sample ID : TOP SOIL-2

Date Sampled : 06/27/97 Order #: 154882 Sample Matrix: SOIL/SEDIMENT
 Date Received: 06/30/97 Submission #: 9706000400 Analytical Run 18169

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 07/01/97			
DATE ANALYZED : 07/01/97			
ANALYTICAL DILUTION: 1.0			
4,6-DINITRO-2-METHYLPHENOL	1300	1300 U	UG/KG
4-CHLORO-3-METHYLPHENOL	670	670 U	UG/KG
2-METHYLPHENOL	670	670 U	UG/KG
4-METHYLPHENOL	670	670 U	UG/KG
NAPHTHALENE	330	330 U	UG/KG
2-NITROANILINE	330	330 U	UG/KG
3-NITROANILINE	330	330 U	UG/KG
4-NITROANILINE	330	330 U	UG/KG
NITROBENZENE	330	330 U	UG/KG
2-NITROPHENOL	670	670 U	UG/KG
1-NITROPHENOL	1300	1300 U	UG/KG
N-NITROSODIMETHYLAMINE	330	330 U	UG/KG
N-NITROSODIPHENYLAMINE	330	330 U	UG/KG
DI-N-OCTYL PHTHALATE	330	330 U	UG/KG
PENTACHLOROPHENOL	1300	1300 U	UG/KG
PHENANTHRENE	330	330 U	UG/KG
PHENOL	670	670 U	UG/KG
4-BROMOPHENYL-PHENYLETHER	330	330 U	UG/KG
4-CHLOROPHENYL-PHENYLETHER	330	330 U	UG/KG
N-NITROSO-DI-N-PROPYLAMINE	330	330 U	UG/KG
PYRENE	330	330 U	UG/KG
1,2,4-TRICHLOROBENZENE	330	330 U	UG/KG
2,4,6-TRICHLOROPHENOL	670	670 U	UG/KG
2,4,5-TRICHLOROPHENOL	670	670 U	UG/KG

SURROGATE RECOVERIESQC LIMITS

TERPHENYL-d14	(18 - 137 %)	54	%
NITROBENZENE-d5	(23 - 120 %)	67	%
PHENOL-d6	(24 - 113 %)	75	%
2-FLUOROBIPHENYL	(30 - 115 %)	70	%
2-FLUOROPHENOL	(25 - 121 %)	67	%
2,4,6-TRIBROMOPHENOL	(19 - 122 %)	75	%

7164540325 COLUMBIA ANALYTICAL

244 P05 JUL 02 '97 15:21

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS

METHOD 8260 TCL

Reported: 07/02/97

Four Seasons Environmental

Project Reference: GENERAL ELECTRIC

Client Sample ID : TOP SOIL-2

Date Sampled : 06/27/97 Order #: 154882 Sample Matrix: SOIL/SEDIMENT
 Date Received: 06/30/97 Submission #: 9706000400 Analytical Run 18164

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 07/01/97			
ANALYTICAL DILUTION: 1.0			
ACETONE	20	20 U	UG/KG
BENZENE	5.0	5.0 U	UG/KG
BROMODICHLOROMETHANE	5.0	5.0 U	UG/KG
BROMOFORM	5.0	5.0 U	UG/KG
BROMOMETHANE	5.0	5.0 U	UG/KG
2-BUTANONE (MEK)	10	10 U	UG/KG
CARBON DISULFIDE	10	10 U	UG/KG
CARBON TETRACHLORIDE	5.0	5.0 U	UG/KG
CHLOROBENZENE	5.0	5.0 U	UG/KG
CHLOROETHANE	5.0	5.0 U	UG/KG
CHLOROFORM	5.0	5.0 U	UG/KG
CHLOROMETHANE	5.0	5.0 U	UG/KG
BROMOCHLOROMETHANE	5.0	5.0 U	UG/KG
1,1-DICHLOROETHANE	5.0	5.0 U	UG/KG
1,2-DICHLOROETHANE	5.0	5.0 U	UG/KG
1,1-DICHLOROETHENE	5.0	5.0 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/KG
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/KG
ETHYLBENZENE	5.0	5.0 U	UG/KG
2-HEXANONE	10	10 U	UG/KG
METHYLENE CHLORIDE	5.0	5.0 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/KG
STYRENE	5.0	5.0 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/KG
TETRACHLOROETHENE	5.0	5.0 U	UG/KG
TOLUENE	5.0	5.0 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/KG
TRICHLOROETHENE	5.0	5.0 U	UG/KG
VINYL CHLORIDE	5.0	5.0 U	UG/KG
O-XYLENE	5.0	5.0 U	UG/KG
M+P-XYLENE	5.0	5.0 U	UG/KG

SURROGATE RECOVERIESQC LIMITS

BROMOFLUOROBENZENE	(74 - 121 %)	98	%
UENB-D8	(81 - 117 %)	100	%
DIBROMOFLUOROMETHANE	(80 - 120 %)	113	%

MM/05/1997 10:07

710-875-4121

CARMEN M PARISO INC

PAGE 03



Lancaster Stone Products Corporation

QUALITY
PRODUCTS

5833 MAIN ST. + P.O. BOX 827 + BUFFALO, N.Y. 14231-0827 + PHONE: 716 632-1020

AUGUST 5, 1997

CARMEN PARISO
3849 RIVER ROAD
TONAWANDA, NY 14150

RE: FOUR SEASONS ENVIRONMENTAL

DEAR SIR:

THIS IS TO CERTIFY THAT OUR 2" CRUSHER RUN MATERIAL WILL
MEET NYS DEPARTMENT OF TRANSPORTATION SPECIFICATIONS
FOR ITEM 304.03, SUBBASE COURSE TYPE 2. THE GRADATION IS AS
FOLLOWS:

Sieve Size	% Passing
2"	100%
1 1/4"	25-50%
#40	5-40%
#200	0-10%

OUR SOURCE NUMBERS ARE 3-2R FOR OUR BARTON ROAD QUARRY AND
4-1BR FOR OUR LEDGE ROAD QUARRY.

IF THERE ARE ANY QUESTIONS, PLEASE CALL 632-6863.

SINCERELY,


RICHARD K. HEGMANN
QUALITY CONTROL

08/06/1997 10:07

716-675-4121

CARMEN M PARISO INC

PAGE 02



Lancaster Stone Products Corporation

QUALITY
PRODUCTS

5833 MAIN ST. + P.O. BOX 827 + BUFFALO, N.Y. 14231-0827 + PHONE: 716 632-1020

8/5/97

CARMEN PARISO
3649 RIVER ROAD
TONAWANDA, NY 14150

RE: FOUR SEASONS ENVIRONMENTAL, 318 URBAN STREET

DEAR SIR:

THIS IS TO CERTIFY THAT OUR CRUSHED STONE WILL MEET N.Y.S
DEPARTMENT OF TRANSPORTATION SPECIFICATIONS FOR ITEM 703-0201,
CRUSHED STONE.

THE GRADATION OF OUR # 2 CRUSHED STONE IS AS FOLLOWS:

Sieve Size	% Passing
1 1/2"	100 %
1"	90 - 100 %
1/2"	0 - 15 %

OUR SOURCE NUMBERS ARE 5-2R FOR OUR BARTON ROAD QUARRY AND
5-15R FOR OUR LEDGE ROAD QUARRY.

SINCERELY,


GREGORY J KRAEMER
QUALITY CONTROL

Waste Profile
(1997)

CONFIRMATION LETTER

November 1, 1996

John Harrsen
 GE COMPANY
 1 RIVER RD BLDG 2 RM B43
 SCHENECTADY, NY 12305-2500

Post-It® brand fax transmittal memo 787		# of pages > 10
To	PETER SMITH	
From	J. HARRSEN	
Co.	O&M	
Dept.		
Phone #		
Fax #	716 425-7136	

Re: Confirmation Number 4476939

Attention: John Harrsen

We are pleased to confirm CWM's approval of your waste material as described below. The attached profile for the waste materials was prepared by CWM based upon information provided by you. It is important that no changes be made to the profile without CWM's consent. If the profile meets with your approval, please call 1- 800-843-3604 to schedule shipment of your waste materials.

<u>CWM Profile Number:</u>	CA7947 MDC
<u>Approved Mgmt. Facility:</u>	CWM MODEL CITY FACILITY or another CWM or CWM approved facility
<u>Waste Name:</u>	PCB CONTAMINATED SOIL & BUILDING DEBRIS
<u>Disposal Method:</u>	TSCA Landfill.
	CONFIRMATION LETTER CHANGE - Addition of Roll-Off Transportation DISPOSAL DISCOUNT WILL BE APPLIED AT TIME OF INVOICING
<u>Disposal Price:</u>	\$120.00 per ton 6% Local Tax; 8% NY State Tax on Transportation and Disposal (if applicable)
<u>Transportation Price:</u>	\$400.00 per load - Roll-off containers \$20.00 per ton - Dump Trailers - 22-ton minimum per load
<u>Demurrage:</u>	- \$85.00 demurrage per hour after the first free hour of loading time.
<u>Waste Approval Fees:</u>	Waived per National Agreement
<u>Pricing Conditions:</u>	- Miscellaneous Charges: - Minimum bulk load = \$1500.00 per load (assumes a minimum bulk density of 1 ton per cubic yard) - Incidental Liquid in Bulk Solid Loads =

November 1, 1996

Re: Confirmation Number 4476939

\$800.00 per load

- Leaking Bulk Loads/Drums = \$200.00 per load or drum
- All per ton pricing is based on a minimum density of 2,000 pounds per cubic yard. Bulk solid waste that falls short of this minimum threshold limit will be billed according to manifested volume in yards, or based upon rated capacity of container.

Profile Expiration Date:

10/07/98

Special Conditions:

- Must not include waste from area identified as sample A-1.
- Waste must not contain any free liquid or sludge.
- Waste profile sheet numbers must appear on manifests.
- No demurrage will be paid by CWM Chemical Serv., Inc. for delays at Model City for on-site acceptance procedures when generator/customer arranges their own transportation.
- Customers who require Certificates of Disposal should place the phrase "Certificate of Disposal Required" in Section 15 of the manifest.
- Special Land Disposal Notification and Certification Form must be properly executed and accompany each shipment of this waste.
- Shipment of PCB material must meet the manifest requirements outlined by the USEPA in Federal Register/Volume 54, No. 244/Thursday, December 21, 1989.
- New York State Department of Environmental Conservation (NYSDEC) approved for 6000 tons as an event.
- Sorbents present in bulk shipments must be non biodegradable and must not have been used as a solidification agent to remove free standing liquid in the load.

Applicable state and local taxes are not included in these disposal prices. All wastes are priced as profiled, invoiced as actually received. Invoices shall be paid no later than thirty (30) days from the date of receipt. All terms are governed by the Agreement previously executed between our companies. The prices quoted above are subject to change by CWM upon thirty (30) days' prior written notice to you unless otherwise specifically provided or per the terms of our Agreement. If we have not previously concluded a Service Agreement with your company, one is enclosed for your convenience. Please sign and return it to us as soon as possible. Also, if 'Signature on File' does

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November 1, 1996

Re: Confirmation Number 4476939

not appear on the signature line of the Waste Profile Sheet, please sign and return it before scheduling your material.

If you have any questions or would like to make changes to the profile, please contact your representative. Thank you for this opportunity to be of service.


Jennifer Anton (215) 633-2010

Chemical Waste Management, Inc.

Date Printed 11/01/96

Chemical Waste Management, Inc.

WASTE PROFILE

Profile #
MDC CA7947

() Check here if this is a Recertification

LOCATION OF ORIGINAL CWM MODEL CITY FACILITY

GENERAL INFORMATION

1. Generator Name: GE COMPANY Generator USEPA ID: NYD987012762

2. Generator Address: 518 URBAN ST Billing Address: GE COMPANY
() Same 1 RIVER RD BLDG 2 RM B43

BUFFALO NY 14211-1507

3. Technical Contact/Phone: P. LAWRENCE 716/633-5920 SCHENECTADY NY 12305-2500

4. Alternate Contact/Phone: J. HARRSEN 518/385-8932 Billing Contact/Phone: _____

PROPERTIES AND COMPOSITION

5. Process Generating Waste: REMEDIATION OF SOIL AND BUILDING DECONTAMINATION

6. Waste Name: PCB CONTAMINATED SOIL & BUILDING DEBRIS

7A. Is this a USEPA hazardous waste (40 CFR Part 261)? Yes () No (X)
B. Identify ALL USEPA listed and characteristic waste code numbers (D,F,K,P,U): _____
State Waste Codes: 8007

8. Physical State @ 70F: A. Solid(X) Liquid() Both() Gas() B. Single layer (X) Multilayer () C. Free liq. range 0 to 0X

9A. pH: Range _____ or Not applicable (X) B. Strong Odor (); describe _____

10. Liquid Flash Point: < 73F () 73-99F () 100-139F () 140-199F () >= 200F () N.A. (X) Closed Cup (X) Open Cup ()

11. CHEMICAL COMPOSITION: List ALL constituents (incl. halogenated organics) present in any concentration and forward analysis

Constituents	Range	Unit Description
<u>SOIL, ASPHALT, STONES</u>	<u>50 to 90</u>	<u>%</u>
<u>CONCRETE, CLAY, SEWER PIPE</u>	<u>40 to 50</u>	<u>%</u>
<u>DEBRIS, PPE, VEGETATION</u>	<u>0 to 5</u>	<u>%</u>
_____	<u>to</u>	_____
_____	<u>to</u>	_____
_____	<u>to</u>	_____
TOTAL COMPOSITION (MUST EQUAL OR EXCEED 100%):	<u>145.000000</u>	

12. OTHER: PCBs if yes, concentration > 50 _____ ppm, PCBs regulated by 40 CFR 761 (X). Pyrophoric () Explosive ()
Radioactive () Benzene if yes, concentration _____ ppm. NESMAP () Shock Sensitive () Oxidizer ()
Carcinogen () Infectious () Other _____

13. If waste subject to the land ban & meets treatment standards, check here: _____ & supply analytical results where applicable.

SHIPPING INFORMATION

14. PACKAGING: Bulk Solid (X) Bulk Liquid () Drum () Type/Size: CUBIC YARDS Other _____

15. ANTICIPATED ANNUAL VOLUME: 4000 Units: CUBIC YARDS Shipping Frequency: YEAR

SAMPLING INFORMATION

16a. Sample source (drum, lagoon, pond, tank, vat, etc.): _____ Sample Tracking Number: 4476939

Date Sampled: _____ Sampler's Name/Company: _____

16b. Generator's Agent Supervising Sampling: _____ 17. (X) No sample required (see instructions.)

GENERATOR'S CERTIFICATION

I hereby certify that all information submitted in this and all attached documents contains true and accurate descriptions of this waste. Any sample submitted is representative as defined in 40 CFR 261 - Appendix I or by using an equivalent method. All relevant information regarding known or suspected hazards in the possession of the generator has been disclosed. I authorize CWM to obtain a sample from any waste shipment for purposes of recertification.

Signature on original profile CA7947
Signature

JOHN HARRSEN

MGR OF REMEDIAL PROJECTS
Name and Title9/25/96
Date

Date Printed 11/01/96

Profile #
MDC CA/947

18. This is a Nonwastewater.

19. If this waste is subject to any California list restrictions write the letter from below (either A, B.1 or B.2) next to each restriction that is applicable:

___ HOCs, ___ PCBs, ___ Acid, ___ Metals, ___ Cyanides

20. Identify ALL Characteristic and Listed USEPA hazardous waste numbers that apply (as defined by 40 CFR 261). For each waste number, identify the subcategory (as applicable, check none, or write in the description from 40 CFR 268.41, 268.42, and 268.43).

REF #	A. US EPA HAZARDOUS WASTE CODE(S)	B. SUBCATEGORY Enter the subcategory description. If not applicable, simply check none		C. APPLICABLE TREATMENT STANDARDS		D. HOW MUST THE WASTE BE MANAGED? Enter letter from below
				PERFORMANCE-BASED: Check as applicable	SPECIFIED TECHNOLOGY: If applicable enter the 40 CFR 268.42 table 1 treatment code(c) 268.42	
		DESCRIPTION	NONE	268.41(a)	268.43(a)	
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						

Management under the land disposal restrictions:

A. RESTRICTED WASTE REQUIRES TREATMENT

B.1 RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS

B.2 RESTRICTED WASTES FOR WHICH THE TREATMENT STANDARD IS EXPRESSED AS A SPECIFIED TECHNOLOGY (AND THE WASTE HAS BEEN TREATED BY THAT TECHNOLOGY)

B.3 GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS

C. RESTRICTED WASTE SUBJECT TO A VARIANCE

D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT

E. NOT CURRENTLY SUBJECT TO LAND DISPOSAL RESTRICTIONS

21. Is this waste a soil or debris? No: ☒ Yes, Soil: ___ Yes, Debris: ___

22. Specific Gravity Range: ___ to ___

23. Indicate the range of each: Units

Cyanides: ___ None ___ to ___ Type (free, total, amenable, etc.) ___

Cyanides: ___ None ___ to ___ Type (free, total, amenable, etc.) ___

Sulfides: ___ None ___ to ___ Type ___

Optional Phenolics: ___ None ___ to ___

24. Identify the waste color VARIES, DOT physical state Solid and physical appearance SOIL AND DEBRIS

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Date Printed 11/01/96

Profile #
MOC CA7947

25. COMPLETE ONLY FOR WASTES INTENDED FOR FUELS OR INCINERATION		26. RECLAMATION, FUELS or INCINERATION PARAMETERS (Provide if information is available)	
TOTAL		RANGE	
Beryllium as Be	_____ ppm	A. Heat Value (Btu/lb):	_____
Potassium as K	_____ ppm	B. Water:	_____
Sodium as Na	_____ ppm	C. Viscosity (cps):	_____ @ _____ F _ 100 F _ 150 F
Bromine as Br	_____ %	D. Ash:	_____ %
Chlorine as Cl	_____ %	E. Settleable solids:	_____ %
Fluorine as F	_____ %	F. Vapor Pressure @ STP (mm/Hg):	_____
Sulfur as S	_____ %	G. Is this waste a pumpable liquid? Yes _ No _	
		H. Can this waste be heated to improve flow? Yes _ No _	
		I. Is this waste soluble in water? Yes _ No _	
		J. Particle size: Will the solid portion of this waste pass through a 1/8 inch screen? Yes _ No _	

27. TRANSPORTATION INFORMATION

A. Is this a DOT Hazardous Material? Yes ☒ No _B. Proper Shipping Name: : RQ, POLYCHLORINATED BIPHENYL MIXTURE

and Additional Description if required: _____

C. DOT Regulations: United Nations Hazard Class: 9 Misc. Hazardous Mat'l I.D. UN2315 Packing Group: III

D. CERCLA Reportable Quantity (RQ) and units (Lb, Kg): _____

E. Non-Bulk code 212 Bulk code 240F. Special Provisions 9 81 _____G. Labels Required CLASS 9 _____

28. SPECIAL HANDLING INFORMATION

_ Material Safety Data Sheets Attached

29. OTHER INFORMATION

N.Y.S.D.E.C. INDEX #915151

30. CHEMICAL WASTE MANAGEMENT CERTIFICATION

Chemical Waste Management, Inc. has all the necessary permits and licenses for the waste that has been characterized and identified by this approved profile.

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Profile #
MOC CA7947

31. OTHER HAZARDOUS CONSTITUENTS Indicate if the waste contains any of the following.

METALS	TCLP Information: Check only ONE for each constituent Use units: ppm, mg/l				TCLP Data TCLP Actual	TCA or TOTAL Use units: ppm, mg/l, mg/kg or Percent			
	Less Than	TC Regulated Level	Equal or More	Waste No.		California List			Actual
						Less Than	Regulated Level	Equal or More	
Arsenic as As	X	5.0 mg/l		D004			500 mg/l		
Barium as Ba	X	100.0 mg/l		D005					
Cadmium as Cd	X	1.0 mg/l		D006			100 mg/l		
Chromium tot Cr	X	5.0 mg/l		D007					
Lead as Pb	X	5.0 mg/l		D008			500 mg/l		
Mercury as Hg	X	.2 mg/l		D009			20 mg/l		
Selenium as Se	X	1.0 mg/l		D010			100 mg/l		
Silver as Ag	X	5.0 mg/l		D011					
Nickel as Ni							134 mg/l		
Thallium as Tl							130 mg/l		
Chromium Hex							500 mg/l		
Antimony									
Beryllium									
Copper									
Vanadium									
Zinc									

Date Printed 11/07/96

Profile #
HDC CA7947

32. OTHER HAZARDOUS CONSTITUENTS Indicate if the waste contains any of the following.

ORGANICS	TCLP Information: Check only ONE for each constituent				TCLP Data	YCA or TOTAL Use units: ppm, mg/l or %
	Less Than	Regulated Level	Equal or More	Waste No.	TCLP Analytical Test Results Use units: ppm or mg/l	
Benzene	X	0.5 mg/l		D018		
Carbon Tetrachloride	X	0.5 mg/l		D019		
Chlordane	X	0.03 mg/l		D020		
Chlorobenzene	X	100.0 mg/l		D021		
Chloroform	X	6.0 mg/l		D022		
m-Cresol	X	200 mg/l		D024		
o-Cresol	X	200.0 mg/l		D023		
p-Cresol	X	200.0 mg/l		D025		
Cresol	X	200.0 mg/l		D026		
2,4-D	X	10.0 mg/l		D016		
1,4 Dichlorobenzene	X	7.5 mg/l		D027		
1,2-Dichloroethane	X	0.5 mg/l		D028		
1,1-Dichloroethylene	X	0.7 mg/l		D029		
2,4-Dinitrotoluene	X	0.13 mg/l		D030		
Endrin	X	.02 mg/l		D012		
Heptachlor, & Hydroxide	X	0.008 mg/l		D031		
Hexachloro-1,3 Butadiene	X	0.5 mg/l		D033		
Hexachlorobenzene	X	0.13 mg/l		D032		
Hexachloroethane	X	3.0 mg/l		D034		
Lindane	X	0.4 mg/l		D013		
Methoxychlor	X	10.0 mg/l		D014		
Methyl Ethyl Ketone	X	200.0 mg/l		D035		
Nitrobenzene	X	2.0 mg/l		D036		
Pentachlorophenol	X	100.0 mg/l		D037		
Pyridine	X	5.0 mg/l		D038		
Tetrachloroethylene	X	0.7 mg/l		D039		
Toxaphene	X	0.5 mg/l		D015		
2,4,5-TP Silvex	X	1.0 mg/l		D017		
Trichloroethylene	X	0.5 mg/l		D040		
2,4,5-Trichlorophenol	X	400.0 mg/l		D041		
2,4,6-Trichlorophenol	X	2.0 mg/l		D042		
Vinyl Chloride	X	0.2 mg/l		D043		

WMX

11/01/96

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM (UTS)

HDC-CA7947

Generator Name: GE COMPANY

Manifest Doc. No.: _____

Profile Number: CA7947

State Manifest No: _____

1. Is this waste a non-wastewater or wastewater? (See 40 CFR 268.2) Check ONE: Nonwastewater ☒ Wastewater ☐
2. If this waste is subject to any California List restrictions enter the letter from below (either A, B.1, or B.2) (WAL to each restriction that is applicable):
HOCs, PCBs, Acid, Metals, Cyanides
3. Identify ALL USEPA hazardous waste codes that apply to this waste shipment, as defined by 40 CFR 261. For each waste code, identify the corresponding subcategory, or check NONE if the waste code has no subcategory. Spent solvent and California List treatment standards are listed on the following page. If F039, multi-source leachate applies those constituents must be listed and attached by the generator. If D001, D002, D003 or D012 D043 requires treatment of the characteristic and meet 268.48 standards, then the underlying hazardous constituent(s) present in the waste must be listed and attached.

REF #	4. US EPA HAZARDOUS WASTE CODE(S)	5. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE		6. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM BELOW
		DESCRIPTION	NONE	
1				
2				
3				

To identify F039 or D001, D002, D003 and D012-D043, underlying hazardous constituent(s), use the "F039/Underlying Hazardous Constituent Form" provided (CWM-2004) and check here:
If no UHCs are present in the waste upon its initial generation check here: ☒
To list additional USEPA waste code(s) and subcategory(ies), use the supplemental sheet provided (CWM-2005-B) and check here:

HOW MUST THE WASTE BE MANAGED? In column 6 above, enter the letter (A, B1, B2, B3, B4, C, D or E) below that describes how the waste must be managed to comply with the land disposal regulations (40 CFR 268.7). Please understand that if you enter the letter B1, B2, B3, B4 or D, you are making the appropriate certification as provided below. (States authorized by EPA to manage the LDR program may have regulatory citations different from the 40 CFR citations listed below. Where these regulatory citations differ, your certification will be deemed to refer to those state citations instead of the 40 CFR citations.)

- A. RESTRICTED WASTE REQUIRES TREATMENT
This waste must be treated to the applicable treatment standards set forth in 40 CFR Part 268 Subpart D, 268.32, or RCRA Section 3004(d).
For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."
- B.1 RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the performance levels specified in 40 CFR part 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA Section 3004(d) without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."
- B.2 RESTRICTED WASTES FOR WHICH THE TREATMENT STANDARD IS EXPRESSED AS A SPECIFIED TECHNOLOGY (AND THE WASTE HAS BEEN TREATED BY THAT TECHNOLOGY)
"I certify under penalty of the law that the waste has been treated in accordance with the requirements of 40 CFR 268.42. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."
- B.3 GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the nonwastewater organic constituents have been treated by incineration in units operated in accordance with 40 CFR Part 264 Subpart D or Part 265 Subpart D, or by combustion in fuel substitution units operating in accordance with applicable technical requirements, and I have been unable to detect the nonwastewater organic constituents despite having used best good faith efforts to analyze for such constituents. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."
- B.4 DECHARACTERIZED WASTE REQUIRES TREATMENT FOR UNDERLYING HAZARDOUS CONSTITUENTS
"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet universal treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."
- C. RESTRICTED WASTE SUBJECT TO A VARIANCE
This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the effective date of prohibition in column 6 above.
For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."
- D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT
"I have determined that this waste meets all applicable treatment standards set forth in 40 CFR Part 268 Subpart D, and all applicable prohibition levels set forth in Section 268.32 or RCRA Section 3004(d), and therefore, can be land disposed without further treatment. A copy of all applicable treatment standards and specified treatment methods is maintained at the treatment, storage and disposal facility named above." "I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D and all applicable prohibitions set forth on 40 CFR 268.32 or RCRA section 3004(d). I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting false certifications, including the possibility of a fine and imprisonment."
- E. WASTE IS NOT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS
This waste is a newly identified waste that is not currently subject to any 40 CFR Part 268 restrictions.
I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature _____

Title _____

Date _____

1990 Chemical Waste Management, Inc. - 05/96 - Form CWM-2005-A

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LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM (UTS) -REVERSE SIDE

WMX

MOC-CA7947

SOLVENT AND CALIFORNIA LIST TREATMENT STANDARDS

If the waste identified on the first page of this form is described by any of the following USEPA hazardous waste codes: F001, F002, F003, F004, F005, and all solvent constituents will not be monitored by the treater, and/or this hazardous waste is subject to any prohibitions identified as California List restrictions (40 CFR 268.32 and/or RCRA Section 3004(d)), then each constituent MUST be identified below by checking the appropriate box, and this page must accompany the shipment, along with the previous page of this form. If the waste code F039 describes this waste, then the corresponding list of constituents must be attached. If D001, D002, D003 or D012-D043 require treatment to 268.48 standards, then the underlying hazardous constituent(s) must also be attached.

SOLVENT WASTE TREATMENT STANDARDS

F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	Treatment Standard		F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	Treatment Standard	
	Wastewaters	Nonwastewaters		Wastewaters	Nonwastewaters

1 All spent solvent treatment standards are measured through a total waste analysis (TCA), unless otherwise noted. Wastewater units are mg/L, nonwastewater are mg/kg.

CALIFORNIA LIST TREATMENT STANDARDS--40CFR 268.32, 40 CFR 268.42 and RCRA Section 3004(d) A waste must first be designated as a US EPA Hazardous waste before the waste can be subject to the California List restrictions.		
Restricted waste description	Prohibition	Treatment Standard
Liquid ^a or nonliquid wastes containing Halogenated Organic Compounds listed in 40 CFR 268, Appendix III	Liquid ^a wastes: Greater than or equal to 1,000 mg/l Nonliquid wastes: Greater than or equal to 1,000 mg/kg	40 CFR 268.42(a)(2) - INCIN or FSUBS
Liquid ^a wastes containing Poly Chlorinated Biphenyls (PCBs)	Greater than or equal to 50 ppm	40CFR 268.42(a)(1) - INCIN or FSUBS Also see 40 CFR 761.60 and .70
Liquid ^a wastes containing Metals Note: Hazardous wastes containing As, Cd, Cr, Hg, Pb, or Se must be evaluated if not characteristically hazardous for that metal.	One or more of the following metals (or elements) at concentrations greater than or equal to the following: Nickel and/or compounds as Ni: 134mg/l Thallium and/or compounds as Th: 130mg/l	RCRA Section 3004(d)

* - For the definition "liquid" refer to Method 9095, the Paint Filter Liquids Test from EPA manual SW-846

SUBCATEGORY REFERENCE

- D001:
- Ignitable characteristic wastes, except for the 40 CFR 261.21(a)(1) High TOC subcategory, that are managed in non-CWA/non-CWA equivalent/non-Class I SDWA systems.
 - Ignitable characteristic wastes, except for the 40 CFR 261.21(a)(1) High TOC subcategory, that are managed in CWA/CWA-equivalent or Class I SDWA systems.
 - High TOC ignitable characteristic liquids subcategory based on 40 CFR 261.21(a)(1) - Greater than or equal to 10% total organic carbon.
- D02:
- Corrosive characteristic wastes that are managed in non-CWA/non-CWA-equivalent/non-Class I SDWA systems.
 - Corrosive characteristic wastes that are managed in CWA, CWA-equivalent, or Class I SDWA systems.

1990 Chemical Waste Management, Inc. - 05/96 - Form CWM-2005-A

Laboratory Report

Client: ERM Northeast

325 Esjay Road

Suite 110

Williamsville, NY 14221-8214

Attention: Peg Lawrence

Project Reference #

Purchase Order #

Project: Asbestos Sample Analysis

GE - 318 Urban

Laboratory Project # NY702112

Project Manager: Paul Chopra

Start Date: 2/11/97

Report Date: 2/25/97

Authorized Signature

Paul S. Chopra, Laboratory Manager

Analysis Results Table

Sample #	Lab #	Sampling Date	Matrix	Location / Comment	Analytical Sensitivity	Sample Concentration	Analysis Date
Sample Vessel - Size	Analyte Group	Method		Analyte			
Samples submitted by ERM Northeast on 2/11/97							
380.215 FIL-1	260445	2/4/97	Bulk Material				
Plastic Bag - 2 oz	8 Metals - RCRA		SW 846 6010 / ICP	Arsenic (As)	0.5 mg/L	<0.500 mg/L	2/24/97
			SW 846 6010 / ICP	Barium (Ba)	0.5 mg/L	44.7 mg/L	
			SW 846 6010 / ICP	Cadmium (Cd)	0.5 mg/L	1.58 mg/L	
			SW 846 6010 / ICP	Chromium (Cr)	1.5 mg/L	606 mg/L	
			SW 846 6010 / ICP	Lead (Pb)	9.9 mg/L	2630 mg/L	
			SW 846 7470 / AAS	Mercury (Hg)	0.081 mg/L	0.150 mg/L	
			SW 846 6010 / ICP	Selenium (Se)	0.99 mg/L	<0.990 mg/L	
			SW 846 6010 / ICP	Silver (Ag)	0.99 mg/L	<0.990 mg/L	

Lab of Sample # 260445

These results are submitted pursuant to Chopra-Lee, Inc.'s current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions. No responsibility or liability is assumed for the manner in which the results are used or interpreted. These results pertain only to the items tested. Unless notified in writing to return the samples covered by this report Chopra-Lee, Inc. will store what remains of the samples for a period of 15 days before discarding, unless otherwise required by law.



1815 Love Road
Grand Island, NY 14072
716-773-7625 FAX 716-773-7624

ND = Not Detected

NYS DOH ELAP # 10954

Page 4 1 of 1
Report Date: 2/25/97
Laboratory # NY702112
Client: ERM Northeast

Laboratory Report

ERM Northeast
325 Essjay Road
Suite 110
Williamsville, NY 14221-8214
Elizabeth Hennessey / Peg Lawrence

Client: ERM Northeast
Laboratory Project # NY702112
Project Manager: Paul Chopra
Start Date: 2/11/97
Report Date: 3/7/97

Project Reference #

Purchase Order #

Project: Asbestos

Authorized Signature

Paul S. Chopra, Laboratory Manager

Analysis Results Table

Sample #	Lab #	Sampling Date	Matrix	Location / Comment	Analytical Sensitivity	Sample Concentration	Analysis Date
Sample Vessel - Size	Analyte	Method					
Samples submitted by ERM Northeast on 3/6/97							
380.215 FIL-1	265315		Bulk Material				
Plastic Bottle - 1 oz	PCB's - Bulk		SW 846 8080 / GC-ECD	Aroclor - 1016	0.1 mg/kg	ND	
			SW 846 8080 / GC-ECD	Aroclor - 1221	0.1 mg/kg	ND	
			SW 846 8080 / GC-ECD	Aroclor - 1232	0.1 mg/kg	ND	
			SW 846 8080 / GC-ECD	Aroclor - 1242	0.1 mg/kg	ND	
			SW 846 8080 / GC-ECD	Aroclor - 1248	0.1 mg/kg	ND	
			SW 846 8080 / GC-ECD	Aroclor - 1254	0.1 mg/kg	ND	
			SW 846 8080 / GC-ECD	Aroclor - 1260	0.1 mg/kg	12.8 mg/kg	3/6/97

end of sample 265315

These results are submitted pursuant to Chopra-Lee, Inc.'s current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions. No responsibility or liability is assumed for the manner in which the results are used or interpreted. These results pertain only to the items tested. Unless notified in writing to return the samples covered by this report Chopra-Lee, Inc. will store what remains of the samples for a period of 15 days before discarding, unless otherwise required by law.



1815 Love Road
Grand Island, NY 14072
716-773-7625 FAX 716-773-7624

ND = Not Detected

NYS DOH ELAP # 10954

Page # 1 of 1
Report Date 3/7/97
Laboratory # NY702112
Client ERM Northeast

**Silt Fence Specifications
(1997)**



CORPORATE HEADQUARTERS:
3107 SOUTH ELM-EUGENE STREET
P.O. BOX 16590 • GREENSBORO, NC 27416-0590

BRANCH OFFICES: BATON ROUGE, LA

CHARLOTTE, NC

NASHVILLE, TN

HOUSTON, TX

COLUMBUS, OH

FACSIMILE TRANSMITTAL COVER SHEET

Phone: (910) 273-2718

Industrial Services Fax: (910) 230-0801

To: Mark Colmerauer

Company: Dames & Moore

Fax Number: 716-675-7136

From: John Richardson

Date: 6/12/97

Subject: _____

Number of Pages: 34
(includes cover sheet)

Original to be Mailed? Yes No

Comments:

1) Silt fence Specs

2) Land Surveyor License.

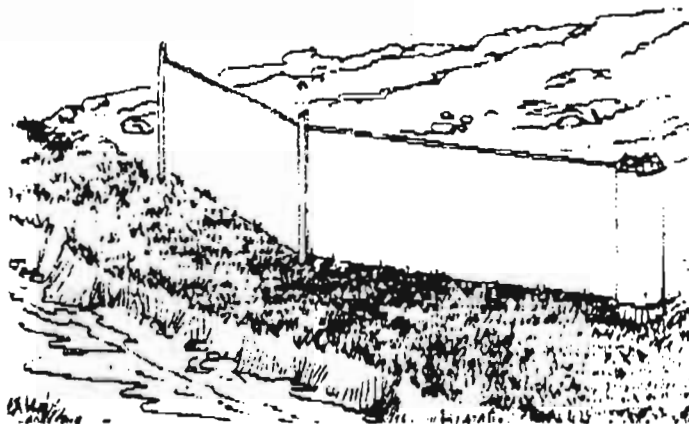
Notice: The information following this cover sheet is intended to be confidential to the person to whom it is addressed. Any information following is subject to copyright protection. If you are unable to deliver this communication to the intended recipient or you are not an agent of the intended recipient, please do not read, copy or use this information in any way, but notify the sender immediately by telephone at the number noted above.

TerraTex EconoFence®

Preassembled Silt Fences

ATTN:

John Richardson

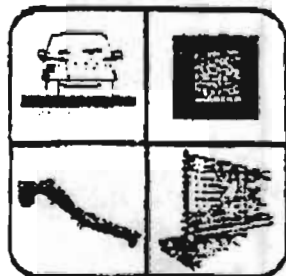


WEBTEC, Inc. manufactures a broad line of EconoFence® preassembled silt fences which meet many state highway, governmental and private specifications. Listed below are commonly produced silt fences. All are 100 feet long, utilizing TerraTex SC sedimentation control fabric and wooden posts.

Fence Name	Fabric Height	Post Length	Post Wood	Post Spacing	Post Size	Support Netting	Support Rope
EconoFence-36"	36"	48"	Hardwood	7'8"	1-3/4"x1-1/4"	Yes	Yes
EconoFence-Z	36"	48"	Hardwood	7'8"	1-3/4"x1-1/4"	No	Yes
EconoFence-Y	36"	48"	Hardwood	7'8"	1-3/4"x1-1/4"	No	No
EconoFence-M	36"	42"	Pine	10'	2"x2" (Nom)	No	Yes
EconoFence-24"	24"	35"	Hardwood	7'8"	1-3/4"x1-1/4"	Yes	Yes
EconoFence-J	24"	36"	Hardwood	7'8"	1-3/4"x1-1/4"	No	No
P-Fence 18" Cls. 3B	24"	36"	Pine	4'	2"x2" (Nom)	No	No

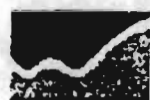
TerraTex

Construction Fabrics



Silt fences in other configurations (various heights, fabrics, post spacing, etc.) can be manufactured to meet specific project requirements (i.e. state highway specification).

In addition to silt fences, WEBTEC offers a broad line of TerraTex woven and nonwoven fabrics for many geotextile applications including ground stabilization, drainage protection, erosion control and asphalt overlay. Please contact us for additional information and the name of your local distributor.


WEBTEC, INC.

Post Office Box 240302
Charlotte, NC 28224
800-438-0027

LOCAL DISTRIBUTOR

Geotextile Specifications
(1997)

Construction Fabrics by TerraTex

TerraTex nonwoven construction fabrics are made of specially formulated polypropylene to insure resistance to most soil chemicals, rot, mildew, acids and alkalis in a pH range from 3 to 12.

Listed below are TYPICAL VALUES (except as noted) of TerraTex nonwoven fabrics. For MINIMUM AVERAGE ROLL VALUES, contact WEBTEC, Inc. or your local TerraTex distributor.

Typical Physical Properties

Property	NO2	NO4	SD	NO6	NO8	N10	N12	N16	OL
Grav Tensile Strength (lb) ASTM D-4632	55	120	135	210	270	350	410	560	115
Elongation (%) Minimum ASTM D-4632	50	50	50	50	50	50	50	50	50
Trapezoid Tear (lb) ASTM D-4533	20	50	55	80	100	130	140	220	45
Mullen Burst (psi) ASTM D-3786	140	240	260	380	480	530	670	920	250
Puncture Strength (lb) ASTM D-3787	45	65	75	110	155	180	215	280	70
Permeability (cm/sec)* ASTM D-4491	0.2	0.3	0.3	0.4	0.4	0.3	0.4	0.4	—
Permittivity (1/sec)* ASTM D-4491	—	2.2	2.0	2.0	1.9	1.2	1.2	1.0	—
Water Flow Rate (g/m/sf)* ASTM D-4491	150	165	145	145	140	85	90	75	—
ACS (US Std. Sieve)* ASTM D-4751	—	80	100	100	70	80	100	100	—
Thickness (mil's) ASTM D-1777	25	55	60	85	100	120	130	170	—

*MINIMUM AVERAGE ROLL VALUES

Roll Dimensions

Width (ft)	15	12.5/15	12.5/15	15	15	15	15	15	12.5
Length (ft)	360	360	360	300	300	300	300	150	450
Area (sq)	600	500/600	500/600	500	500	500	500	250	625
Gross Weight (lbs)	95	135/170	150/190	210	270	335	400	275	165

DISTRIBUTION

TerraTex Construction Fabrics are marketed by WEBTEC, Inc. through a network of local distributors. For further information on TerraTex products or local distribution contact:



WEBTEC, INC.

Post Office Box 240302
Charlotte, N.C. 28224-0302
Phone (800) 438-0027

LOCAL DISTRIBUTOR

The facts stated and the recommendations made herein are offered free of charge and are accurate to the best of our knowledge. However, no guarantee of their accuracy is made and the products mentioned are distributed without warranty, expressed or implied. Final determination of the use of any information or material, of how it is used, and whether the use infringes any patents is the sole responsibility of the user.

Construction Fabrics by TerraTex

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Listed below are TYPICAL VALUES (except as noted) of TerraTex nonwoven fabrics. For MINIMUM AVERAGE ROLL VALUES, contact WEBTEC, Inc. or your local TerraTex distributor.

Typical Physical Properties

Property	NO2	NO4	SD	NO6	NO8	N10	N12	N16	OL
Grab Tensile Strength (lb) ASTM D-4632	55	120	135	210	270	350	410	580	115
Elongation (%) Minimum ASTM D-4632	50	50	50	50	50	50	50	50	50
Trapezoid Tear (lb) ASTM D-4533	20	50	55	80	100	130	140	220	45
Mullen Burst (psi) ASTM D-3786	140	240	200	380	480	580	670	920	250
Puncture Strength (lb) ASTM D-3787	45	65	75	110	155	180	215	280	70
Permeability (cm/sec)* ASTM D-449*	0.2	0.3	0.3	0.4	0.4	0.3	0.4	0.4	—
Permittivity (1/sec)* ASTM D-4491	—	2.2	2.0	2.0	1.9	1.2	1.2	1.0	—
Water Flow Rate (g/m/sf)* ASTM D-4491	150	165	145	145	140	85	90	75	—
AOS (US Std. Sieve)* ASTM D-4751	—	80	100	100	70	80	100	100	—
Thickness (mils) ASTM D-1777	25	55	60	65	100	120	100	170	—

*MINIMUM AVERAGE ROLL VALUES

Roll Dimensions

Width (ft)	15	12.5/15	12.5/15	15	15	15	15	15	12.5
Length (ft)	360	360	360	300	300	300	300	3150	450
Area (sq)	600	500/600	500/600	500	500	500	500	250	625
Gross Weight (lbs)	95	135/170	150/190	210	270	335	400	275	165

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**Chain-Link Fence Specifications
(1997)**

Galvanized-After-Weaving Fence Fabric Is The Best Fence Investment

**There are coatings
and there's GAW.**

**Long lasting, maintenance-free,
fencing is yours with Galvanized-
After-Weaving (GAW) chain link.**

★ LASTING SHIELD.

Zinc protects steel from corrosive attack acting as a lasting shield between the steel and the atmosphere. And, as a galvanic protector, zinc sacrifices itself to corrosive elements when the steel happens to be moderately exposed, because it is more electro-chemically active than steel.

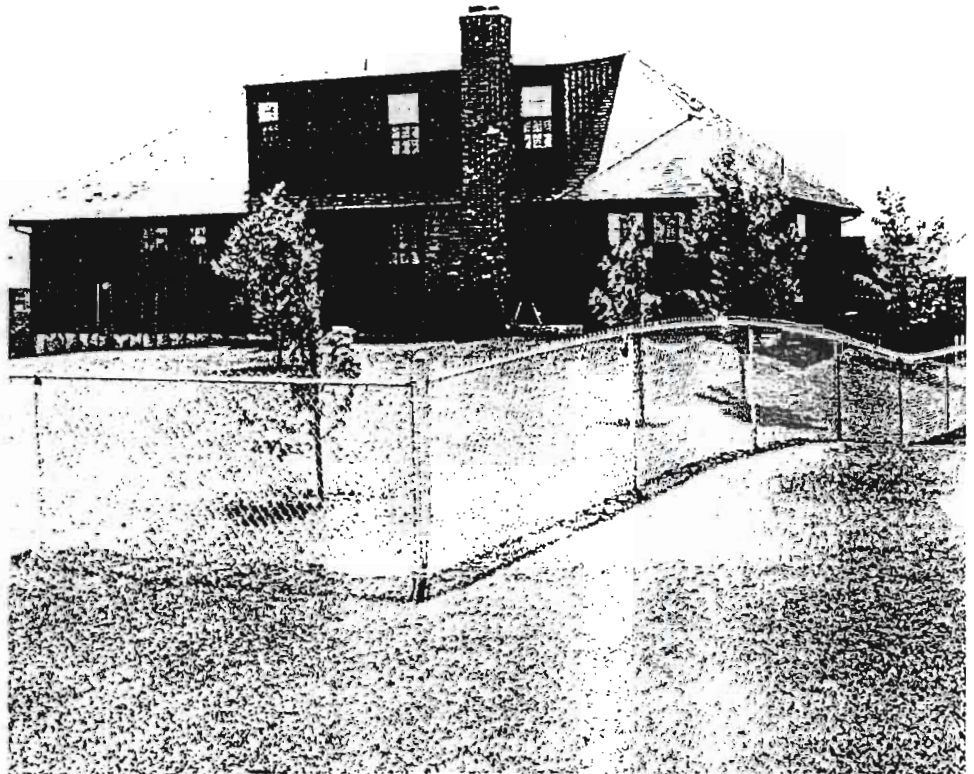
NATURAL PROTECTION.

Zinc coated (galvanized) steel is all around you protecting such things as highway sign supports, electrical transmission towers, nails, nuts and bolts, and miles and miles of fences around farms, homes, schools and industry.

★ YOUR BEST VALUE.

For best value per dollar investment in fence, specify GAW (galvanized after weaving) fence fabric. The GAW process assures you that the cut ends of the wire spirals and any weaving scars have been thoroughly coated with a thick layer of zinc. Zinc covers all the wire.

Wire coated before weaving has bare steel exposed at cut ends.



**GAW is a residential/industrial
fence fabric that offers the best
value in corrosion resistance...
truly another "No-Nonsense Fence"
from MMI.**

Put zinc coated (galvanized) fencing on zinc coated (galvanized) posts for your project and continue the tradition.

Specify GAW fencing for your needs and know that you, too, will have all the security and long life that hot-dip galvanized after weaving (GAW) fence has to offer.

★ TRADITIONALLY THE FENCE OF CHOICE GALVANIZED-AFTER-WEAVING

GAW chain link has proven itself as the fence of choice when value and protection over time is a priority. GAW is the traditional fencing that has literally been around for decades. Look about and see examples of it still doing the job of providing security to homes and industry.

MMI
MERCHANTS

GAW Technical Data

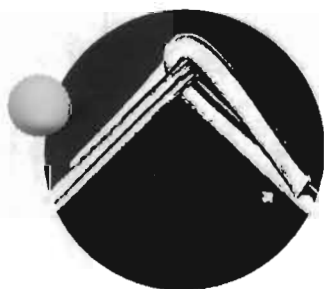
COATED WIRE SIZE OR GAUGE	COMMON MESH SIZES	HEIGHTS OF FENCE FABRIC IN INCHES									
12½	2¼"	36	42	48	60	72					
11½	2¼"	36	42	48	60	72					
11	1", 1¾", 2"	36	42	48	60	72	84	96	120	144	
9	1", 2"	36	42	48	60	72	84	96	120	144	
6	2"	36	42	48	60	72	84	96	120	144	

Mesh size = clear distance between parallel wires.
 Selvages are knuckled on both ends — fabrics 60" and lower and meshes less than 2".
 10 year Limited Warranty available on MMI GAW Fence through MMI Authorized Dealers.

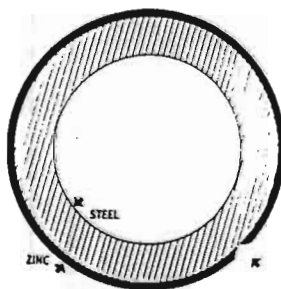
Contact your local MMI Authorized Dealer for professional installation.



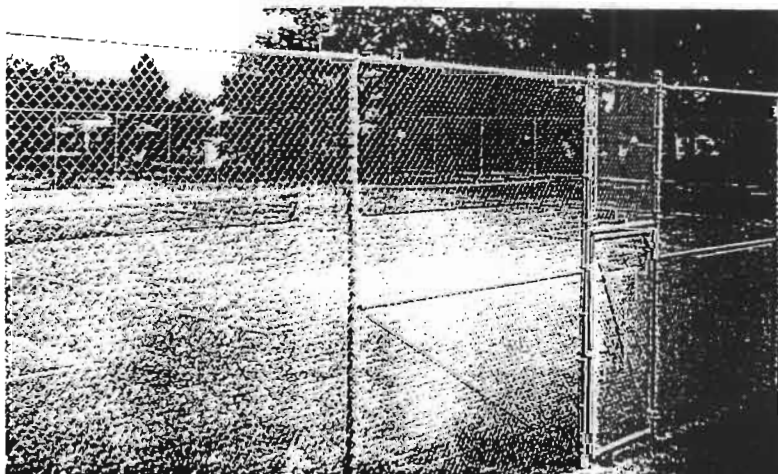
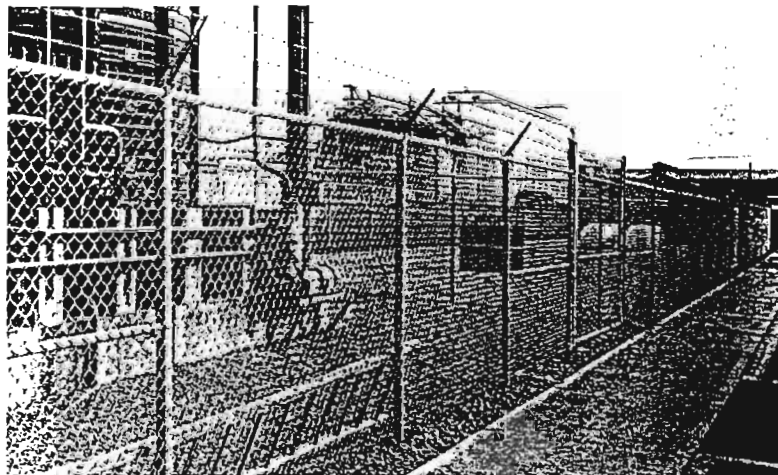
Merchants Metals
 515 West Greens Road, Suite 710
 Houston, TX 77067
 Tel: (713) 876-0080



In the case of GAW fabric, the cut ends are coated and protected against rust and corrosion.



This is what happens at a small exposed area in a coating of zinc on steel. Because the zinc has a greater tendency to go into solution at the hands of the elements than the base metal steel, the zinc is consumed while the steel is protected from attack.



PLANTS AND SERVICE CENTERS:

Atlanta, GA 404-361-6171	Kansas City, MO 816-924-0044
Birmingham, AL 205-925-4601	Nashville, TN 615-365-5212
Charlotte, NC 704-334-0021	New Paris, IN 317-331-4060
Dallas, TX 214-634-7850	Riverside, CA 951-86-1888
Denver, CO 303-293-9090	St. Louis, MO 314-521-3363
Ft. Lauderdale, FL 305-581-5226	Statesville, NC 704-772-0926
Houston, TX 713-697-2981	Tacoma, WA 206-584-1150
Hyattsville, MD 301-779-8300	Tampa, FL 813-248-1616
Indianapolis, IN 317-783-7678	Westfield, MA 417-562-9981
Jacksonville, FL 904-781-3920	Winters, CA 916-333-2794

Waste Profiles
(1999)

FAX
COVER
SHEET



MARCOR Remediation, Inc.
52 Marway Circle, Rochester, NY 14624-2363
Phone: 1.716.247.6955 or 1.800.388.5933

PRIVATE INFORMATION: This facsimile is intended for use only by the individual or entity named below.

Date: 6/17 Time: _____ No. of Pages Including This Cover Sheet: 5

From:

To: Pete Smith

Company: Daniel's Moore

Fax No: 675-7136

To:

From:

Jess Wojcik

MARCOR Fax No: 716.247.6852

Message:

Pete-

Please find the two profiles for the
material @ GE.

Profile CL4846 needs the EPA ID number
completed (#8)

Both need to be signed and faxed back to me.

Call with any questions.

Jess



GENERATOR'S WASTE PROFILE SHEET

PLEASE PRINT IN INK OR TYPE

 Service Agreement on File? ☐ YES ☐ NO
☐ Hazardous ☐ Non-Hazardous ☒ TSCA

 Profile Number: WMI
 Renewal Date:

CL 4846

A. Waste Generator Information

1. Generator Name: General Electric 2. SIC Code: _____
 3. Facility Street Address: 318 Urban Street 4. Phone: (518) 385-7777
 5. Facility City: Buffalo 6. State/Province: New York
 7. Zip/Postal Code: 14203 8. Generator USEPA/Federal ID #: NYD987012762
 9. County: Erie 10. State/Province ID #: _____
 11. Customer Name: MARCOR Remediation, Inc. 12. Customer Phone: (716) 247-6855
 13. Customer Contact: Kessica A. Wojcik 14. Customer Fax: (716) 247-6852
 15. Billing Address: 52 Marway Circle, Rochester NY 14624 ☐ Same as above

B. Waste Stream Information

1. Description

a. Name of Waste: PCB contaminated concrete floor cleanup material
 b. Process Generating Waste: The removal of the concrete floor at the facility. The facility operated a transformer re-manufacturing process and PCB transformer oil contaminated the concrete floor.

c. Color	d. Strong odor (describe):	e. Physical state @ 70°F ☒ Solid ☐ Liquid ☐ Gas ☐ Sludge ☐ Other	f. Layers ☐ Single Layer ☒ Multi-layer	g. Free liquid range 0 to 0 % h. pH: Range 6 to 8 %
Various	milky petroleum			

 i. Liquid Flash Point: ☐ <73°F ☐ 73-99°F ☐ 100-139°F ☐ 140-199°F ☒ ≥ 200°F ☒ Not applicable

j. Chemical Composition (List all constituents [including halogenated organics, debris, and UHC's] present in any concentration and submit representative analysis):

Constituents	Concentration Range	Constituents	Concentration Range
Concrete	750%	Polychlorinated biphenyls	< 20%
Oil	15%		
Debris (Poly/PPE)	15%		

TOTAL COMPOSITION MUST EQUAL OR EXCEED 100%

 k. ☐ Oxidizer ☐ Pyrophoric ☐ Explosive ☐ Radioactive
☐ Carcinogen ☐ Infectious ☐ Shock Sensitive ☐ Water Reactive

l. Does the waste represented by this profile contain any of the carcinogens which require OSHA notification? (list in Section B.1.j)..... ☐ YES ☒ NO
 m. Does the waste represented by this profile contain dioxins? (list in Section B.1.j)..... ☐ YES ☒ NO
 n. Does the waste represented by this profile contain asbestos?..... ☐ YES ☒ NO
 If yes..... ☐ friable ☐ non-friable
 o. Does the waste represented by this profile contain benzene?..... ☐ YES ☒ NO
 If yes, concentration _____ ppm
 Is the waste subject to the benzene waste operations NESHAP?..... ☐ YES ☒ NO
 p. Is the waste subject to RCRA Subpart CC controls?..... ☐ YES ☒ NO
 If yes, volatile organic concentration _____ ppmw
 q. Does the waste contain any Class I or Class II ozone-depleting substances?..... ☐ YES ☒ NO
 r. Does the waste contain debris? (list in Section B.1.j)..... ☒ YES ☐ NO

2. Quantity of Waste

 Estimated Annual Volume ~450 ☐ Tons ☒ Yards ☐ Drums ☐ Other (specify) _____

3. Shipping Information

a. Packaging:
☒ Bulk Solid; Type/Size: Pump Trailers ☐ Bulk Liquid; Type/Size: _____
☐ Drum; Type; Size: _____ ☐ Other: _____
 b. Shipping Frequency: Units 18 Per: ☐ Month ☐ Quarter ☐ Year ☒ One time ☐ Other
 c. Is this a U.S. Department of Transportation (USDOT) Hazardous Material? (If no, skip d, e, and f)..... ☒ YES ☐ NO



GENERATOR'S WASTE PROFILE SHEET PLEASE PRINT IN INK OR TYPE

d. Reportable Quantity (lbs., kgs.): 1 lbs. e. Hazard Class/ID #: 9 UN2315 PG II
 f. USDOT Shipping Name: RD. Waste Polychlorinated biphenyls mixture
 g. Personal Protective Equipment Requirements: Do not ingest
 h. Transporter/Transfer Station: Buffalo Fuel Corp.

C. Generator's Certification (Please check appropriate responses. Sign and date below.)

- Is this a USEPA hazardous waste (40 CFR Part 261)? If the answer is no, skip to 2..... ☐ YES ☒ NO
 If yes, identify ALL USEPA listed and characteristic waste code numbers (D, F, K, P, U) _____
 If a characteristic hazardous waste, do underlying hazardous constituents (UHCs) apply? (if yes, list in Section B.1.)..... ☐ YES ☐ NO
 Does this waste contain debris? (if yes, list size and type in Chemical Composition - B.1.)..... ☐ YES ☐ NO
- Is this a state hazardous waste?..... ☒ YES ☐ NO
 Identify ALL state hazardous waste codes B007
- Is the waste from a CERCLA (40 CFR 300, Appendix B) or state mandated clean-up?..... ☒ YES ☐ NO
 If yes, attach Record of Decision (ROD), 104/106 or 122 order or court order that governs site clean-up activity. For state mandated clean-up, provide relevant documentation.
- Does the waste represented by this waste profile sheet contain radioactive material, or is disposal regulated by the Nuclear Regulatory Commission?..... ☐ YES ☒ NO
- Does the waste represented by this waste profile sheet contain concentrations of Polychlorinated Biphenyls (PCBs) regulated by 40 CFR 761? (if yes, list in Chemical Composition - B.1.)..... ☒ YES ☐ NO
 a. If yes, were the PCBs imported into the U.S.?..... ☐ YES ☒ NO
- Do the waste profile sheet and all attachments contain true and accurate descriptions of the waste material, and has all relevant information within the possession of the Generator regarding known or suspected hazards pertaining to the waste been disclosed to the Contractor?..... ☒ YES ☐ NO
- Will all changes which occur in the character of the waste be identified by the Generator and disclosed to the Contractor prior to providing the waste to the Contractor?..... ☒ YES ☐ NO

☒ Check here if a Certificate of Destruction or Disposal is required.

Any sample submitted is representative as defined in 40 CFR 261 - Appendix I or by using an equivalent method. I authorize WM to obtain a sample from any waste shipment for purposes of recertification. If this certification is made by a broker, the undersigned signs as authorized agent of the generator and has confirmed the information contained in this Profile Sheet from information provided by the generator and additional information as it has determined to be reasonably necessary. If approved for management, Contractor has all the necessary permits and licenses for the waste that has been characterized and identified by this approved profile.

Certification Signature: Peter J. Smith

Name (Type or Print): Peter J. Smith

Title: Engineer (Agent for GE)

Company Name: Dynacore - Agent for GE Date: 6/7/99

☒ Check if additional information is attached. Indicate the number of attached pages _____

D. WM Management's Decision

FOR WM USE ONLY

- Management Method ☐ Landfill ☐ Non hazardous Solidification ☐ Bioremediation ☐ Incineration
☐ Hazardous Stabilization ☐ Other (Specify) _____
- Proposed Ultimate Management Facility: _____
- Precautions, Special Handling Procedures, or Limitation on Approval: _____
- Waste Form _____
- Source _____
- System Type ☐ Approved ☐ Disapproved
 Special Waste Decision: _____
 Salesperson's Signature: _____ Date: _____
 Division Approval Signature (Optional): _____ Date: _____
 Special Waste Approvals Person Signature: _____ Date: _____



GENERATOR'S WASTE PROFILE SHEET

PLEASE PRINT IN INK OR TYPE

 Service Agreement on File? ☐ YES ☐ NO
☐ Hazardous ☒ Non-Hazardous ☐ TSCA

 Profile Number: WMI **CL 4845**
 Renewal Date: 1 / 1

A. Waste Generator Information

1. Generator Name: General Electric 2. SIC Code: _____
 3. Facility Street Address: 318 Urban Street 4. Phone: (518) 386-7979
 5. Facility City: Buffalo 6. State/Province: New York
 7. Zip/Postal Code: 14203 8. Generator USEPA/Federal ID #: 142030000000000000
 9. County: Erie 10. State/Province ID #: _____
 11. Customer Name: NARCOR Remediation, Inc. 12. Customer Phone: (716) 247-6955
 13. Customer Contact: Jessica A. Whittick 14. Customer Fax: (716) 247-6852
 15. Billing Address 52 Narway Circle, Rochester, NY 14624 ☐ Same as above

B. Waste Stream Information

1. Description
 a. Name of Waste: Concrete Floor Debris Material
 b. Process Generating Waste: The removal of the concrete floor at the facility

c. Color	d. Strong odor (describe):	e. Physical state @ 70°F ☒ Solid ☐ Liquid ☐ Gas ☐ Sludge ☐ Other	f. Layers ☐ Single Layer ☒ Multi-layer	g. Free liquid range 0 to 0 % h. pH: Range 6 to 8 %
<u>VARIABLES</u>	<u>NONE</u>			

 i. Liquid Flash Point: ☐ <73°F ☐ 73-99°F ☐ 100-139°F ☐ 140-199°F ☒ ≥ 200°F ☒ Not applicable

j. Chemical Composition (List all constituents [including halogenated organics, debris, and UHC's] present in any concentration and submit representative analysis):

Constituents	Concentration Range	Constituents	Concentration Range
<u>Concrete</u>	<u>75%</u>		
<u>Soil</u>	<u>20%</u>		
<u>Debris (Poly)</u>	<u>5%</u>		

TOTAL COMPOSITION MUST EQUAL OR EXCEED 100%

 k. ☐ Oxidizer ☐ Pyrophoric ☐ Explosive ☐ Radioactive
☐ Carcinogen ☐ Infectious ☐ Shock Sensitive ☐ Water Reactive

 l. Does the waste represented by this profile contain any of the carcinogens which require OSHA notification? (list in Section B.1.) ☐ YES ☒ NO

 m. Does the waste represented by this profile contain dioxins? (list in Section B.1.) ☐ YES ☒ NO

 n. Does the waste represented by this profile contain asbestos? ☐ YES ☒ NO
 If yes, ☐ friable ☐ non-friable

 o. Does the waste represented by this profile contain benzene? ☐ YES ☒ NO
 If yes, concentration _____ ppm

 Is the waste subject to the benzene waste operations NESHAP? ☐ YES ☒ NO

 p. Is the waste subject to RCRA Subpart CC controls? ☐ YES ☒ NO
 If yes, volatile organic concentration _____ ppmw

 q. Does the waste contain any Class I or Class II ozone-depleting substances? ☐ YES ☒ NO

 r. Does the waste contain debris? (list in Section B.1.) ☒ YES ☐ NO

 2. Quantity of Waste
 Estimated Annual Volume ~ 900 Tons ☒ Yards ☐ Drums ☐ Other (specify) _____

3. Shipping Information

 a. Packaging:
☒ Bulk Solid, Type/Size: Dump Trailers ☐ Bulk Liquid, Type/Size: _____
☐ Drum, Type, Size: _____ ☐ Other: _____

 b. Shipping Frequency: Units 36 Per: ☐ Month ☐ Quarter ☐ Year ☒ One time ☐ Other

 c. Is this a U.S. Department of Transportation (USDOT) Hazardous Material? (If no, skip d, e, and f) ☐ YES ☒ NO



GENERATOR'S WASTE PROFILE SHEET

PLEASE PRINT IN INK OR TYPE

- d. Reportable Quantity (lbs./kgs.): NA e. Hazard Class/ID #: NA
 f. USDOT Shipping Name: Non-Regulated Material
 g. Personal Protective Equipment Requirements: NONE
 h. Transporter/Transfer Station: Page Transportation

C. Generator's Certification (Please check appropriate responses, sign, and date below)

1. Is this a USEPA hazardous waste (40 CFR Part 261)? If the answer is no, skip to 2. ☐ YES ☒ NO
 If yes, identify ALL USEPA listed and characteristic waste code numbers (D, F, K, P, U) _____
 If a characteristic hazardous waste, do underlying hazardous constituents (UHCs) apply? (If yes, list in Section B.1.j) ☐ YES ☐ NO
 Does this waste contain debris? (If yes, list size and type in Chemical Composition - B.1.) ☐ YES ☐ NO
 2. Is this a state hazardous waste? ☐ YES ☒ NO
 Identify ALL state hazardous waste codes _____
 3. Is the waste from a CERCLA (40 CFR 300, Appendix B) or state mandated clean-up? ☒ YES ☐ NO
 If yes, attach Record of Decision (ROD), 104/106 or 122 order or court order that governs site clean up activity. For state mandated clean-up, provide relevant documentation.
 4. Does the waste represented by this waste profile sheet contain radioactive material, or is disposal regulated by the Nuclear Regulatory Commission? ☐ YES ☒ NO
 5. Does the waste represented by this waste profile sheet contain concentrations of Polychlorinated Biphenyls (PCBs) regulated by 40 CFR 761? (If yes, list in Chemical Composition - B.1.j) ☐ YES ☒ NO
 If yes, were the PCBs imported into the U.S.? ☐ YES ☐ NO
 6. Do the waste profile sheet and all attachments contain true and accurate descriptions of the waste material, and has all relevant information within the possession of the Generator regarding known or suspected hazards pertaining to the waste been disclosed to the Contractor? ☒ YES ☐ NO
 7. Will all changes which occur in the character of the waste be identified by the Generator and disclosed to the Contractor prior to providing the waste to the Contractor? ☒ YES ☐ NO

☒ Check here if a Certificate of Destruction or Disposal is required

Any sample submitted is representative as defined in 40 CFR 261 - Appendix I or by using an equivalent method. I authorize WM to obtain a sample from any waste shipment for purposes of recertification. If this certification is made by a broker, the undersigned signs as authorized agent of the generator and has confirmed the information contained in this Profile Sheet from information provided by the generator and additional information as it has determined to be reasonably necessary. If approved for management, Contractor has all the necessary permits and licenses for the waste that has been characterized and identified by this approved profile.

Certification Signature: Peter J. Smith

Title: Engineer (Agent for GE)

Name (Type or Print): Peter J. Smith

Company Name: Dim Agent for GE

Date: 6/7/99

☒ Check if additional information is attached. Indicate the number of attached pages _____

D. WM Management's Decision

FOR WM USE ONLY

1. Management Method ☐ Landfill ☐ Non hazardous Solidification ☐ Bioremediation ☐ Incineration
☐ Hazardous Stabilization ☐ Other (Specify) _____
 2. Proposed Ultimate Management Facility: _____
 3. Precautions, Special Handling Procedures, or Limitation on Approval: _____
 4. Waste Form _____ 5. Source _____ 6. System Type ☐ Approved ☐ Disapproved
 Special Waste Decision: _____
 Salesperson's Signature: _____ Date: _____
 Division Approval Signature (Optional): _____ Date: _____
 Special Waste Approvals Person Signature: _____ Date: _____

HIGH ACRES LANDFILL - WASTE MANAGEMENT

DATE: # 180749
10/31/98
TIME: 11:33

427 PARADISE PARKWAY
EGG HARBOR, NY 08020
(716) 223-8132

CUSTOMER: 7881 CWM-GE POWER 000152

WEIGH MASTER: KIM VILLARD

TRUCK: PRI8600 WASTE: CON CONT SOIL (L)

ORIGIN: 006 BUFFALO (ERIE)

PROFILE: 357641-H16
GENERAL ELECTRIC COMPANY CONT SOIL

GROSS: 54600 LBS CELL: 3

TARE: 43800 LBS

NET: 4900 LBS = 2.47 TONS

TO THE BEST OF MY
KNOWLEDGE THIS TRUCK
CONTAINS NO HAZARDOUS
OR UNACCEPTABLE WASTE

OUT-OF-STATE SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.

0007881 REMARKS:

SIGN *Kim Villard*

PROFILE # 357641

FOR URBAN ST WASTE

GOING TO HIGH ACRES

TO: PETER SMITH
(716)-675 7136

FROM J. HARRISON 1 PC

CONFIRMATION LETTER

November 1, 1996

John Harrison
 GE COMPANY
 1 RIVER RD BLDG 2 RM B43
 SCHENECTADY, NY 12305-2500

Post-It® brand fax transmittal memo 787		# of pages > 10
To	PETE SMITH	
From	J HARRISON	
Co.	DEM	
Dept.		
Phone #		
Fax #	716 425-7136	

Re: Confirmation Number 4476939

Attention: John Harrison

We are pleased to confirm CWM's approval of your waste material as described below. The attached profile for the waste materials was prepared by CWM based upon information provided by you. It is important that no changes be made to the profile without CWM's consent. If the profile meets with your approval, please call 1- 800-843-3604 to schedule shipment of your waste materials.

<u>CWM Profile Number:</u>	CA7947 MMC
<u>Approved Mgmt. Facility:</u>	CWM MODEL CITY FACILITY or another CWM or CWM approved facility
<u>Waste Name:</u>	PCB CONTAMINATED SOIL & BUILDING DEBRIS
<u>Disposal Method:</u>	TSCA Landfill.
	CONFIRMATION LETTER CHANGE - Addition of Roll-Off Transportation DISPOSAL DISCOUNT WILL BE APPLIED AT TIME OF INVOICING
<u>Disposal Price:</u>	\$120.00 per ton 6% Local Tax; 8% NY State Tax on Transportation and Disposal (if applicable)
<u>Transportation Price:</u>	\$400.00 per load - Roll-off containers \$20.00 per ton - Dump Trailers - 22-ton minimum per load
<u>Demurrage:</u>	- \$85.00 demurrage per hour after the first free hour of loading time.
<u>Waste Approval Fees:</u>	Waived per National Agreement
<u>Pricing Conditions:</u>	- Miscellaneous Charges: - Minimum bulk load = \$1500.00 per load (assumes a minimum bulk density of 1 ton per cubic yard) - Incidental Liquid in Bulk Solid Loads =

November 1, 1996

Re: Confirmation Number 4476939

\$800.00 per load

- Leaking Bulk Loads/Drums = \$200.00 per load or drum
- All per ton pricing is based on a minimum density of 2,000 pounds per cubic yard. Bulk solid waste that falls short of this minimum threshold limit will be billed according to manifested volume in yards, or based upon rated capacity of container.

Profile Expiration Date:

10/07/98

Special Conditions:

- Must not include waste from area identified as sample A-1.
- Waste must not contain any free liquid or sludge.
- Waste profile sheet numbers must appear on manifests.
- No demurrage will be paid by CWM Chemical Serv., Inc. for delays at Model City for on-site acceptance procedures when generator/customer arranges their own transportation.
- Customers who require Certificates of Disposal should place the phrase "Certificate of Disposal Required" in Section 15 of the manifest.
- Special Land Disposal Notification and Certification Form must be properly executed and accompany each shipment of this waste.
- Shipment of PCB material must meet the manifest requirements outlined by the USEPA in Federal Register/Volume 54, No. 244/Thursday, December 21, 1989.
- New York State Department of Environmental Conservation (NYSDEC) approved for 6000 tons as an event.
- Sorbents present in bulk shipments must be non biodegradable and must not have been used as a solidification agent to remove free standing liquid in the load.

Applicable state and local taxes are not included in these disposal prices. All wastes are priced as profiled, invoiced as actually received. Invoices shall be paid no later than thirty (30) days from the date of receipt. All terms are governed by the Agreement previously executed between our companies. The prices quoted above are subject to change by CWM upon thirty (30) days' prior written notice to you unless otherwise specifically provided or per the terms of our Agreement. If we have not previously concluded a Service Agreement with your company, one is enclosed for your convenience. Please sign and return it to us as soon as possible. Also, if 'Signature on File' does

November 1, 1996

Re: Confirmation Number 4476939

not appear on the signature line of the Waste Profile Sheet, please sign and return it before scheduling your material.

If you have any questions or would like to make changes to the profile, please contact your representative.
Thank you for this opportunity to be of service.


Jennifer Anton (215) 633-2010

Chemical Waste Management, Inc

Date Printed 11/01/96

Chemical Waste Management, Inc.

WASTE PROFILE

Profile #
MDC CA7947

() Check here if this is a Recertification

LOCATION OF ORIGINAL CWM MODEL CITY FACILITY

GENERAL INFORMATION

Generator Name: GE COMPANY Generator USEPA ID: NYD987012762

2. Generator Address: 518 URBAN ST Billing Address: GE COMPANY
() Same 1 RIVER RD BLDG 2 RM B43

BUFFALO NY 14211-1507

3. Technical Contact/Phone: P. LAWRENCE 716/633-5920 SCHENECTADY NY 12305-2500

4. Alternate Contact/Phone: J. HARRSEN 518/385-8932 Billing Contact/Phone: _____

PROPERTIES AND COMPOSITION

5. Process Generating Waste: REMEDIATION OF SOIL AND BUILDING DECONTAMINATION6. Waste Name: PCB CONTAMINATED SOIL & BUILDING DEBRIS

7A. Is this a USEPA hazardous waste (40 CFR Part 261)? Yes () No (X)

B. Identify ALL USEPA listed and characteristic waste code numbers (D,F,K,P,U): _____

State Waste Codes: B0078. Physical State @ 70F: A. Solid(X) Liquid() Both() Gas() B. Single layer (X) Multilayer () C. Free liq. range 0 to 0X

9A. pH: Range _____ or Not applicable (X) B. Strong Odor (); describe _____

10. Liquid Flash Point: < 73F () 73-99F () 100-139F () 140-199F () >= 200F () N.A. (X) Closed Cup (X) Open Cup ()

11. CHEMICAL COMPOSITION: List ALL constituents (incl. halogenated organics) present in any concentration and forward analysis

Constituents	Range	Unit Description
<u>SOIL, ASPHALT, STONES</u>	<u>50 to 90</u>	<u>%</u>
<u>CONCRETE, CLAY, SEWER PIPE</u>	<u>40 to 50</u>	<u>%</u>
<u>DEBRIS, PPE, VEGETATION</u>	<u>0 to 5</u>	<u>%</u>
_____	to _____	_____
_____	to _____	_____
_____	to _____	_____
TOTAL COMPOSITION (MUST EQUAL OR EXCEED 100%):	<u>145.000000</u>	

12. OTHER: PCBs if yes, concentration > 50 ppm, PCBs regulated by 40 CFR 761 (X). Pyrophoric () Explosive ()
Radioactive () Benzene if yes, concentration _____ ppm. NESHAP () Shock Sensitive () Oxidizer ()
Carcinogen () Infectious () Other _____

13. If waste subject to the land ban & meets treatment standards, check here: _____ & supply analytical results where applicable.

SHIPPING INFORMATION

14. PACKAGING: Bulk solid (X) Bulk Liquid () Drum () Type/Size: CUBIC YARDS Other _____15. ANTICIPATED ANNUAL VOLUME: 4000 Units: CUBIC YARDS Shipping Frequency: YEAR

SAMPLING INFORMATION

16a. Sample source (drum, lagoon, pond, tank, vat, etc.): _____ Sample Tracking Number: 4476939

Date Sampled: _____ Sampler's Name/Company: _____

16b. Generator's Agent Supervising Sampling: _____ 17. (X) No sample required (See instructions.)

GENERATOR'S CERTIFICATION

I hereby certify that all information submitted in this and all attached documents contains true and accurate descriptions of this waste. Any sample submitted is representative as defined in 40 CFR 261 - Appendix I or by using an equivalent method. All relevant information regarding known or suspected hazards in the possession of the generator has been disclosed. I authorize CWM to obtain a sample from any waste shipment for purposes of recertification.

Signature on original profile CA7947
Signature

JOHN HARRSEN

MGR OF REMEDIAL PROJECTS
Name and Title9/25/96
Date

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Profile #
MDC CA/947

____ HOCs, ____ PCBs, ____ Acid, ____ Metals, ____ Cyanides

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Date Printed 11/01/96

Profile #
MOC CA7947

25. COMPLETE ONLY FOR WASTES INTENDED FOR FUELS OR INCINERATION		26. RECLAMATION, FUELS or INCINERATION PARAMETERS (Provide if information is available)	
TOTAL		RANGE	
Beryllium as Be	_____ ppm	A. Heat Value (Btu/lb):	_____ - _____
Potassium as K	_____ ppm	B. Water:	_____
Sodium as Na	_____ ppm	C. Viscosity (cps):	_____ @ _____ F _ 100 F _ 150 F
Bromine as Br	_____ %	D. Ash:	_____ %
Chlorine as Cl	_____ %	E. Settleable solids:	_____ %
Fluorine as F	_____ %	F. Vapor Pressure @ STP (mm/Hg):	_____
Sulfur as S	_____ %	G. Is this waste a pumpable liquid? Yes _ No _	
		H. Can this waste be heated to improve flow? Yes _ No _	
		I. Is this waste soluble in water? Yes _ No _	
		J. Particle size: Will the solid portion of this waste pass through a 1/8 inch screen? Yes _ No _	

27. TRANSPORTATION INFORMATION

A. Is this a DOT Hazardous Material? Yes ☒ No _B. Proper Shipping Name: : RQ, POLYCHLORINATED BIPHENYL MIXTURE

and Additional Description if required: _____

C. DOT Regulations: United Nations Hazard Class: 9 Misc. Hazardous Mat'l I.D. UN2315 Packing Group: III

D. CERCLA Reportable Quantity (RQ) and units (Lb, Kg): _____

E. Non-Bulk code 212 Bulk code 240F. Special Provisions 9 81 _____G. Labels Required CLASS 9 _____

28. SPECIAL HANDLING INFORMATION

☐ Material Safety Data Sheets Attached

29. OTHER INFORMATION

N.Y.S.D.E.C. INDEX #915151

30. CHEMICAL WASTE MANAGEMENT CERTIFICATION

Chemical Waste Management, Inc. has all the necessary permits and licenses for the waste that has been characterized and identified by this approved profile.

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Printed on 5/15/97

Date Printed 11/01/96

Profile #
MOC CA7947

31. OTHER HAZARDOUS CONSTITUENTS Indicate if the waste contains any of the following.

METALS	TCLP Information: Check only ONE for each constituent Use units: ppm, mg/l				TCLP Data TCLP Actual	TCA or TOTAL Use units: ppm, mg/l, mg/kg or Percent			
	Less Than	TC Regulated Level	Equal or More	Waste No.		California List			Actual
Arsenic as As	X	5.0 mg/l		D004		Less Than	Regulated Level	Equal or More	
Barium as Ba	X	100.0 mg/l		D005			500 mg/l		
Cadmium as Cd	X	1.0 mg/l		D006			100 mg/l		
Chromium tot Cr	X	5.0 mg/l		D007					
Lead as Pb	X	5.0 mg/l		D008			500 mg/l		
Mercury as Hg	X	.2 mg/l		D009			20 mg/l		
Selenium as Se	X	1.0 mg/l		D010			100 mg/l		
Silver as Ag	X	5.0 mg/l		D011					
Nickel as Ni							134 mg/l		
Thallium as Tl							130 mg/l		
Chromium Hex							500 mg/l		
Antimony									
Beryllium									
Copper									
Vanadium									
Zinc									

Date Printed 11/01/96

Profile #
MOC CA7947

32. OTHER HAZARDOUS CONSTITUENTS Indicate if the waste contains any of the following.

ORGANICS	TCLP Information: Check only ONE for each constituent				TCLP Data TCLP Analytical Test Results Use units: ppm or mg/l	TCA or TOTAL Use units: ppm, mg/l or %
	Less Than	Regulated Level	Equal or More	Waste No.		
Benzene	X	0.5 mg/l		D018		
Carbon Tetrachloride	X	0.5 mg/l		D019		
Chlordane	X	0.03 mg/l		D020		
Chlorobenzene	X	100.0 mg/l		D021		
Chloroform	X	6.0 mg/l		D022		
m-Cresol	X	200 mg/l		D024		
o-Cresol	X	200.0 mg/l		D023		
p-Cresol	X	200.0 mg/l		D025		
Cresol	X	200.0 mg/l		D026		
2,4-D	X	10.0 mg/l		D016		
1,4-Dichlorobenzene	X	7.5 mg/l		D027		
1,2-Dichloroethane	X	0.5 mg/l		D028		
1,1-Dichloroethylene	X	0.7 mg/l		D029		
2,4-Dinitrotoluene	X	0.13 mg/l		D030		
Endrin	X	.02 mg/l		D012		
Heptachlor, & Hydroxide	X	0.008 mg/l		D031		
Hexachloro-1,3 Butadiene	X	0.5 mg/l		D033		
Hexachlorobenzene	X	0.13 mg/l		D032		
Hexachloroethane	X	3.0 mg/l		D034		
Lindane	X	0.4 mg/l		D013		
Methoxychlor	X	10.0 mg/l		D014		
Methyl Ethyl Ketone	X	200.0 mg/l		D035		
Nitrobenzene	X	2.0 mg/l		D036		
Pentachlorophenol	X	100.0 mg/l		D037		
Pyridine	X	5.0 mg/l		D038		
Tetrachloroethylene	X	0.7 mg/l		D039		
Toxaphene	X	0.5 mg/l		D015		
2,4,5-TP Silvex	X	1.0 mg/l		D017		
Trichloroethylene	X	0.5 mg/l		D040		
2,4,5-Trichlorophenol	X	400.0 mg/l		D041		
2,4,6-Trichlorophenol	X	2.0 mg/l		D042		
Vinyl Chloride	X	0.2 mg/l		D043		

11/01/95

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM (UTS)

MDC-CA7947

Generator Name: GE COMPANY

Manifest Doc. No.: _____

Profile Number: CA7947

State Manifest No.: _____

Is this waste a non-wastewater or wastewater? (See 40 CFR 268.2) Check ONE: Nonwastewater ☒ Wastewater ☐
 If this waste is subject to any California List restrictions enter the letter from below (either A, B.1, or B.2) (NAL to each restriction that is applicable):

HOCs, PCBs, Acid, Metals, Cyanides

3. Identify ALL USEPA hazardous waste codes that apply to this waste shipment, as defined by 40 CFR 261. For each waste code, identify the corresponding subcategory, or check NONE if the waste code has no subcategory. Spent solvent and California list treatment standards are listed on the following page. If F039, multi-source leachate applies those constituents must be listed and attached by the generator. If D001, D002, D003 or D012 D043 requires treatment of the characteristic and meet 268.48 standards, then the underlying hazardous constituent(s) present in the waste must be listed and attached.

REF #	4. US EPA HAZARDOUS WASTE CODE(S)	5. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE		6. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM BELOW
		DESCRIPTION	NONE	
1				
2				
3				

To identify F039 or D001, D002, D003 and D012-D043, underlying hazardous constituent(s), use the "F039/Underlying Hazardous Constituent Form" provided (CWM-2004) and check here:
 If no UHCs are present in the waste upon its initial generation check here: ☒
 To list additional USEPA waste code(s) and subcategory(ies), use the supplemental sheet provided (CWM-2005-B) and check here:

HOW MUST THE WASTE BE MANAGED? In column 6 above, enter the letter (A, B1, B2, B3, B4, C, D or E) below that describes how the waste must be managed to comply with the land disposal regulations (40 CFR 268.7). Please understand that if you enter the letter B1, B2, B3, B4 or D, you are making the appropriate certification as provided below. (States authorized by EPA to manage the LDR program may have regulatory citations different from the 40 CFR citations listed below. Where these regulatory citations differ, your certification will be deemed to refer to those state citations instead of the 40 CFR citations.)

A. RESTRICTED WASTE REQUIRES TREATMENT

This waste must be treated to the applicable treatment standards set forth in 40 CFR Part 268 Subpart D, 268.32, or RCRA Section 3004(d).

For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

B.1 RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS

"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the performance levels specified in 40 CFR part 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA Section 3004(d) without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.2 RESTRICTED WASTES FOR WHICH THE TREATMENT STANDARD IS EXPRESSED AS A SPECIFIED TECHNOLOGY (AND THE WASTE HAS BEEN TREATED BY THAT TECHNOLOGY)

"I certify under penalty of the law that the waste has been treated in accordance with the requirements of 40 CFR 268.42. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.3 GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS

"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the nonwastewater organic constituents have been treated by incineration in units operated in accordance with 40 CFR Part 264 Subpart D or Part 265 Subpart D, or by combustion in fuel substitution units operating in accordance with applicable technical requirements, and I have been unable to detect the nonwastewater organic constituents despite having used best good faith efforts to analyze for such constituents. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.4 DECHARACTERIZED WASTE REQUIRES TREATMENT FOR UNDERLYING HAZARDOUS CONSTITUENTS

"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet universal treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

C. RESTRICTED WASTE SUBJECT TO A VARIANCE

This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the effective date of prohibition in column 6 above.

For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT

"I have determined that this waste meets all applicable treatment standards set forth in 40 CFR Part 268 Subpart D, and all applicable prohibition levels set forth in Section 268.32 or RCRA Section 3004(d), and therefore, can be land disposed without further treatment. A copy of all applicable treatment standards and specified treatment methods is maintained at the treatment, storage and disposal facility named above." "I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA section 3004(d). I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting false certifications, including the possibility of a fine and imprisonment."

E. WASTE IS NOT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS

This waste is a newly identified waste that is not currently subject to any 40 CFR Part 268 restrictions.

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature _____

Title _____

Date _____

1990 Chemical Waste Management, Inc. - 05/96 - Form CWM-2005-A

WMX Technologies, Inc. • National Accounts

3331 Street Road • 2 Greenwood Square, Suite 200 • Bensalem, Pennsylvania 19020 • 215/633-9950

WMX

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM (UTS) - REVERSE SIDE

MOC-CA7947

SOLVENT AND CALIFORNIA LIST TREATMENT STANDARDS

If the waste identified on the first page of this form is described by any of the following USEPA hazardous waste codes: F001, F002, F003, F004, F005, and all solvent constituents will not be monitored by the treater, and/or this hazardous waste is subject to any prohibitions identified as California List restrictions (40 CFR 268.32 and/or RCRA Section 3004(d)), each constituent MUST be identified below by checking the appropriate box, and this page must accompany the shipment, with the previous page of this form. If the waste code F039 describes this waste, then the corresponding list of constituents must be attached. If D001, D002, D003 or D012-D043 require treatment to 268.48 standards, then the underlying hazardous constituent(s) must also be attached.

SOLVENT WASTE TREATMENT STANDARDS

F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	Treatment Standard		F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	Treatment Standard	
	Wastewaters	Nonwastewaters		Wastewaters	Nonwastewaters

1 All spent solvent treatment standards are measured through a total waste analysis (TCA), unless otherwise noted. Wastewater units are mg/L, nonwastewater are mg/kg.

CALIFORNIA LIST TREATMENT STANDARDS--40CFR 268.32, 40 CFR 268.42 and RCRA Section 3004(d) A waste must first be designated as a US EPA Hazardous waste before the waste can be subject to the California List restrictions.		
Restricted waste description	Prohibition	Treatment Standard
Liquid* or nonliquid wastes containing Halogenated Organic Compounds listed in 40 CFR 268, Appendix III	Liquid* wastes: Greater than or equal to 1,000 mg/L Nonliquid wastes: Greater than or equal to 1,000 mg/kg	40 CFR 268.42(a)(2) - INCIN or FSUBS
Liquid* wastes containing Poly Chlorinated Biphenyls (PCBs)	Greater than or equal to 50 ppm	40CFR 268.42(a)(1) - INCIN or FSUBS Also see 40 CFR 761.60 and .70
Liquid* wastes containing Metals Note: Hazardous wastes containing As, Cd, Cr, Hg, Pb, or Se must be evaluated if not characteristically hazardous for that metal	One or more of the following metals (or elements) at concentrations greater than or equal to the following: Nickel and/or compounds as Ni: 134mg/L Thallium and/or compounds as Th: 130mg/L	RCRA Section 3004(d)

* - For the definition "liquid" refer to Method 9095, the Paint Filter Liquids Test from EPA manual SW-846

SUBCATEGORY REFERENCE

D001:

- A. Ignitable characteristic wastes, except for the 40 CFR 261.21(a)(1) High TOC subcategory, that are managed in non-CWA/non-CWA equivalent/non-Class I SDWA systems.
- B. Ignitable characteristic wastes, except for the 40 CFR 261.21(a)(1) High TOC subcategory, that are managed in CWA/CWA-equivalent or Class I SDWA systems.
- C. High TOC ignitable characteristic liquids subcategory based on 40 CFR 261.21(a)(1) - Greater than or equal to 10% total organic carbon.
- D. Corrosive characteristic wastes that are managed in non-CWA/non-CWA-equivalent/non-Class I SDWA systems.
- E. Corrosive characteristic wastes that are managed in CWA, CWA-equivalent, or Class I SDWA systems.

1990 Chemical Waste Management, Inc. - 05/96 - Form CWM-2005-A

WW

June 10, 1999

Ms. Jessica Wojick
Marcor Remediation, Inc.
52 Marway Circle
Rochester, NY 14624

RE: Approvals

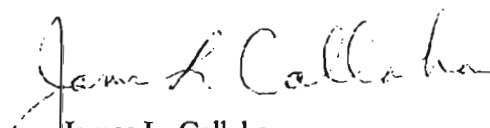
Dear Ms. Wojick,

Enclosed is your approval for the following waste stream:

Generator:	General Electric
Waste Profile:	CL4845
Waste Name:	Concrete floor demo material
Approximate volume:	900 yards
Valid Until:	12/01/99

Please review the approved profile and note any precautions or conditions in Section D.
Should you have any questions at all, please contact me directly @ (716)754-0365.

Sincerely,


James L. Callahan
Inside Sales Representative

Enc.
cc: File



GENERATOR'S WASTE PROFILE SHEET

PLEASE PRINT INK OR TYPE

Service Agreement on File? ☐ YES ☐ NO
☐ Hazardous ☒ Non-Hazardous ☐ TSCAProfile Number: WMI **CL 4845**
Renewal Date: **12/1/99**

A. Waste Generator Information

1. Generator Name: General Electric 2. SIC Code: _____
3. Facility Street Address: 318 Urban Street 4. Phone: (518) 385-7979
5. Facility City: Buffalo 6. State/Province: New York
7. Zip/Postal Code: 14203 8. Generator USEPA/Federal ID #: _____
9. County: Errie 10. State/Province ID #: _____
11. Customer Name: Nation Remediation, Inc. 12. Customer Phone: (716) 247-6955
13. Customer Contact: Jessica A. Wojcik 14. Customer Fax: (716) 247-6852
15. Billing Address: 52 Marway Circle, Rochester, NY 14624 ☐ Same as above

B. Waste Stream Information

1. Description
a. Name of Waste: Concrete Floor Drains Material
b. Process Generating Waste: The removal of the concrete floor at the facility.

c. Color	d. Strong odor (describe):	e. Physical state @ 70°F ☒ Solid ☐ Liquid ☐ Gas ☐ Sludge ☐ Other	f. Layers ☐ Single Layer ☒ Multi-layer	g. Free liquid range 0 to 0 % h. pH: Range 6 to 8 %
<u>Various</u>	<u>None</u>			

- l. Liquid Flash Point: ☐ <73°F ☐ 73-99°F ☐ 100-139°F ☐ 140-199°F ☒ ≥ 200°F ☐ Not applicable
j. Chemical Composition (List all constituents [including halogenated organics, debris, and UHC's] present in any concentration and submit representative analysis):

Constituents	Concentration Range	Constituents	Concentration Range
<u>Concrete</u>	<u>75%</u>		
<u>Soil</u>	<u>20%</u>		
<u>Debris (Poly)</u>	<u>5%</u>		

TOTAL COMPOSITION MUST EQUAL OR EXCEED 100%

- k. ☐ Oxidizer ☐ Pyrophoric ☐ Explosive ☐ Radioactive
☐ Carcinogen ☐ Infectious ☐ Shock Sensitive ☐ Water Reactive

- l. Does the waste represented by this profile contain any of the carcinogens which require OSHA notification? (list in Section B.1.j)..... ☐ YES ☒ NO
m. Does the waste represented by this profile contain dioxine? (list in Section B.1.j)..... ☐ YES ☒ NO
n. Does the waste represented by this profile contain asbestos?..... ☐ YES ☒ NO
If yes..... ☐ friable ☐ non-friable
o. Does the waste represented by this profile contain benzene?..... ☐ YES ☒ NO
If yes, concentration _____ ppm
Is the waste subject to the benzene waste operations NESHAP?..... ☐ YES ☒ NO
p. Is the waste subject to RCRA Subpart CC controls?..... ☐ YES ☒ NO
If yes, volatile organic concentration _____ ppmw
q. Does the waste contain any Class I or Class II ozone-depleting substances?..... ☐ YES ☒ NO
r. Does the waste contain debris? (list in Section B.1.j)..... ☒ YES ☐ NO

2. Quantity of Waste
Estimated Annual Volume ~ 900 Tons ☒ Yards ☐ Drums ☐ Other (specify) _____

3. Shipping Information

- a. Packaging:
☒ Bulk Solid; Type/Size: Dump Trailers ☐ Bulk Liquid; Type/Size: _____
☐ Drum; Type; Size: _____ ☐ Other: _____
b. Shipping Frequency: Units 36 Per: ☐ Month ☐ Quarter ☐ Year ☒ One time ☐ Other
c. Is this a U.S. Department of Transportation (USDOT) Hazardous Material? (If no, skip d, e, and f)..... ☐ YES ☒ NO



GENERATOR'S WASTE PROFILE SHEET

PLEASE PRINT IN INK OR TYPE

d. Reportable Quantity (40 CFR 261.11): NA e. Hazard Class: NA
f. USDOT Shipping Name: Non-Hazardous Material
g. Personal Protective Equipment Requirements: None
h. Transporter/Transfer Station: Page Transport, Inc.

1. Is this a RCRA hazardous waste (40 CFR Part 261)? If the answer is no, skip to 2. ☒ YES ☐ NO
If yes, identify ALL RCRA listed and characteristic waste code numbers (D, F, K, P, U) ☐ YES ☐ NO
If a characteristic hazardous waste, do underlying hazardous characteristics (UHCs) apply? (If yes, list in Section B.1.) ☐ YES ☐ NO
Does this waste contain debris? (If yes, list size and type in Chemical Composition - B.1.) ☐ YES ☐ NO
2. Is this a state hazardous waste? ☐ YES ☐ NO
Identify ALL state hazardous waste codes
3. Is the waste from a CERCLA (40 CFR 300, Appendix B) or state mandated clean-up? ☒ YES ☐ NO
If yes, attach Record of Decision (ROD), 104/106 or 123 order or other order that governs the clean up activity. For state mandated clean-up, provide relevant documentation.
4. Does the waste represented by this waste profile sheet contain radioactive material, or is disposal regulated by the Nuclear Regulatory Commission? ☐ YES ☐ NO
5. Does the waste represented by this waste profile sheet contain concentrations of Polychlorinated Biphenyls (PCBs) regulated by 40 CFR 761? (If yes, list in Chemical Composition - B.1.) ☐ YES ☐ NO
If yes, were the PCBs imported into the U.S.?
6. Do the waste profile sheet and all attachments contain true and accurate descriptions of the waste material, and has all relevant information within the possession of the Generator regarding known or suspected hazards pertaining to the waste been disclosed to the Contractor? ☒ YES ☐ NO
7. Were all changes which occur in the character of the waste as identified by the Generator and disclosed to the Contractor prior to providing the waste to the Contractor? ☒ YES ☐ NO

☒ Check here if a Certificate of Destruction or Disposal is required

Any sample submitted is representative as defined in 40 CFR 261.1 - Appendix I or by using an equivalent method. I authorize WTM to obtain a sample from any waste shipment for purposes of identification. If this certification is made by a signer, the undersigned signs as authorized agent of the generator and has confirmed the information contained in this Profile Sheet from information provided by the generator and additional information as it has determined to be reasonably necessary. If approved for management, Contractor has all the necessary permits and licenses for the waste that has been characterized and identified by this approved profile.

7. Certification Signature: Peter J. Smith Title: Owner (Agent for Gen)
Name (Type or Print): Peter J. Smith Company Name: Page Transport, Inc. Date: 6/13/99
☒ Check if additional information is attached. Indicate the number of attached pages 1

1. Management Method		2. Proposed Ultimate Management Facility		3. Precautions, Special Handling Procedures, or Information on Approval	
☒ Landfill	☐ Non-hazardous Solidification	<u>High Acres</u>		<u>Codisposal in a Landfill</u>	
☐ Hazardous Stabilization	☐ Other Approval				
4. Waste Form		5. Source		6. System Type	
Special Waste Decision				☒ Approved ☐ Disapproved	
Responsible Person's Signature: <u>John L. Callahan</u>				Date: <u>6/10/99</u>	
Division Approval Signature (Optional):				Date:	
Special Waste Approval Person Signature:				Date:	

RECEIVED
Dames & Moore

JUN 24 1999

MARCOR
Submission
NO. 7

MARCOR Rremediation, Inc

52 Marway Circle File# 716-247-6955

Rochester, NY 14624

716-247-6852 (FAX)

800-388-5933

LETTER OF TRANSMITTAL

TO: Dames & Moore
3065 Southwestern Boulevard
Suite 202
Orchard Park, New York 14127

DATE:	22-Jun-99	JOB NO:	RO-02674-001
ATTENTION	Mr. Pete Smith		
RE:			

WE ARE SENDING YOU ☐ Attached ☐ Under separate cover via _____ the following items:

☐ Shop drawings ☐ Prints ☐ Plans ☐ Copies
☒ Copy of letter ☐ Change Order ☐ Specifications

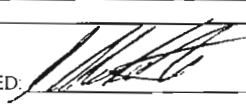
2	2/22/99	Haz Waste profile approval
2	2/22/99	Surveying sub-contractors certifications

THESE ARE TRANSMITTED as checked below:

☐ For approval ☐ Approved as submitted ☐ Resubmit _____ copies for approval
☒ For review and comment ☐ Approved as noted ☐ Submit _____ copies for distribution
☐ As requested ☐ Returned for corrections ☐ Return _____ corrected prints
☐ FOR BIDS DUE _____ 19 _____

REMARKS _____

COPY TO _____

SIGNED: 

CONFIRMATION LETTER

June 18, 1999

JESSICA A WOJICK
MARCOR REMEDIATION INC
52 MARWAY CIR
ROCHESTER, NY 14624-2363

Re: Confirmation Number 4540280

Attention: JESSICA A WOJICK

We are pleased to confirm CWM's approval of your waste material as described below. The attached profile for the waste materials was prepared by CWM based upon information provided by you. It is important that no changes be made to the profile without CWM's consent. If the profile meets with your approval, please call 1-800-843-3604 to schedule shipment of your waste materials.

<u>CWM Profile Number:</u>	CL4846 MDC
<u>Approved Mgmt. Facility:</u>	CWM MODEL CITY FACILITY or another CWM or CWM approved facility
<u>Waste Name:</u>	PCB CONT. CONCRETE FLOOR DEMO MATERIAL
<u>Disposal Method:</u>	TSCA Landfill.
<u>Disposal Price:</u>	
<u>Taxes:</u>	
<u>Transportation Price:</u>	- Customer to provide transportation
<u>Demurrage:</u>	- Not applicable
<u>Waste Approval Fees:</u>	- Paperwork approvals (no analytical) = Waived - Miscellaneous Charges: -Incidental Liquid in Bulk Solid Loads = \$800.00 per load -Leaking Bulk Loads = \$200.00 per load
<u>Profile Expiration Date:</u>	6/11/01
<u>Special Conditions:</u>	- Waste must not contain any free liquid, solidified B002 liquids or liquids with PCB source >500 ppm or sludge - Waste profile sheet numbers must appear on manifests. - No demurrage will be paid by CWM Chemical Serv.,Inc. for delays at Model City for on-site

June 18, 1999

Re: Confirmation Number 4540280

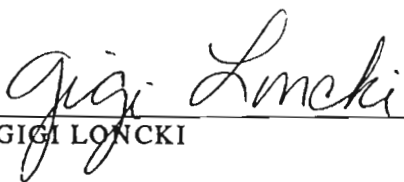
- acceptance procedures when generator/customer arranges their own transportation.
- Customers who require Certificates of Disposal should place the phrase "Certificate of Disposal Required" in Section 15 of the manifest.
 - Special Land Disposal Notification and Certification Form must be properly executed and accompany first shipment of this waste.
 - Shipment of PCB material must meet the manifest requirements outlined by the USEPA in Federal Register/Volume 54, No. 244/Thursday, December 21, 1989.
 - New York State Department of Environmental Conservation (NYSDEC) approved for 675 tons as an event.
 - Sorbents present in bulk shipments must be non biodegradable and must not have been used as a solidification agent to remove free standing liquid in the load.
 - CWM has determined based on information provided that this waste stream does require Subpart CC controls. This determination is based on regulations contained in 40 CFR 264.1080-1090 and 265.1080-1090. If you do not agree with the above determination, please contact the Model City facility prior to your planned shipment.

Applicable state and local taxes are not included in these disposal prices. All wastes are priced as profiled, invoiced as actually received. Invoices shall be paid no later than thirty (30) days from the date of receipt. All terms are governed by the Agreement previously executed between our companies. The prices quoted above are subject to change by CWM upon thirty (30) days' prior written notice to you unless otherwise specifically provided or per the terms of our Agreement. If we have not previously concluded a Service Agreement with your company, one is enclosed for your convenience. Please sign and return it to us as soon as possible. Also, if 'Signature on File' does not appear on the signature line of the Waste Profile Sheet, please sign and return it before scheduling your material.

June 18, 1999

Re: Confirmation Number 4540280

If you have any questions or would like to make changes to the profile, please contact your representative.
Thank you for this opportunity to be of service.


GIGI LONCKI

Chemical Waste Management, Inc

Date Printed 06/18/99

Chemical Waste Management, Inc.
GENERATOR'S WASTE PROFILE SHEETProfile #
MDC CL4846

() Check here if this is a Recertification LOCATION OF ORIGINAL CWM MODEL CITY FACILITY

GENERAL INFORMATION

1. Generator Name: GE COMPANY Generator USEPA ID: NYD987012762

2. Generator Address: 318 URBAN ST Billing Address: MARCOR REMEDIATION INC
() Same 52 MARWAY CIR

BUFFALO NY 14211-1507

3. Technical Contact/Phone: 518/385-7979 ROCHESTER NY 14624-2363

4. Alternate Contact/Phone: 518/385-7979 Billing Contact/Phone: JESSICA A WOJICK 716/247-6955

PROPERTIES AND COMPOSITION

5. Process Generating Waste: REMOVAL OF CONCRETE FLOOR AT FACILITY WHICH OPERATED A TRANSFORMER RE-MFG PROC & PCB TRANSFORMER OIL CO

6. Waste Name: PCB CONT. CONCRETE FLOOR DEMO MATERIAL

7A. Is this a USEPA hazardous waste (40 CFR Part 261)? Yes () No (X)
B. Identify ALL USEPA listed and characteristic waste code numbers (D,F,K,P,U): _____
State Waste Codes: B007

8. Physical State @ 70F: A. Solid(X) Liquid() Both() Gas() B. Single Layer () Multilayer (X) C. Free liq. range 0 to 0°
9A. pH: Range 6.0 to 8.0 or Not applicable () B. Strong Odor ();describe _____

10. Liquid Flash Point: < 73F () 73-99F () 100-139F () 140-199F () >= 200F (X) H.A. () Closed Cup (X) Open Cup ()

11. CHEMICAL COMPOSITION: List ALL constituents (incl. halogenated organics) present in any concentration and forward analysis
Constituents Range Unit Description

<u>IL</u>	<u>15 to</u>	<u>15 %</u>
<u>PCBS</u>	<u>1.4 to</u>	<u>3000 PPM</u>
<u>INERTS</u>	<u>to</u>	
<u>CONCRETE</u>	<u>50 to</u>	<u>70 %</u>
<u>DEBRIS</u>	<u>to</u>	
<u>POLY/PPE</u>	<u>15 to</u>	<u>15 %</u>
<u>TOTAL COMPOSITION (MUST EQUAL OR EXCEED 100%):</u>		<u>100.000000</u>

12. OTHER: PCBs if yes, concentration < 3000 ppm, PCBs regulated by 40 CFR 761 (X). Pyrophoric () Explosive ()
Radioactive () Benzene if yes, concentration _____ ppm. WESHAP (X) Shock Sensitive () Oxidizer ()
Carcinogen () Infectious () Other _____

13. If waste subject to the land ban & meets treatment standards, check here: _____ & supply analytical results where applicable.

SHIPPING INFORMATION

14. PACKAGING: Bulk Solid (X) Bulk Liquid () Drum () Type/Size: DUMP Other _____

15. ANTICIPATED ANNUAL VOLUME: 450 Units: YARDS Shipping Frequency: ONE TIME

SAMPLING INFORMATION

16a. Sample source (drum, lagoon, pond, tank, vat, etc.): _____ Sample Tracking Number: 4540280

Date Sampled: _____ Sampler's Name/Company: _____

16b. Generator's Agent Supervising Sampling: _____ 17. (X) No sample required (See instructions.)

GENERATOR'S CERTIFICATION

I hereby certify that all information submitted in this and all attached documents contains true and accurate descriptions of this waste. Any sample submitted is representative as defined in 40 CFR 261 - Appendix I or by using an equivalent method. All relevant information regarding known or suspected hazards in the possession of the generator has been disclosed. I authorize CWM to obtain a sample from any waste shipment for purposes of recertification.

Signature on original profile CL4846
Signature

PETER J SMITH

ENGINEER (AGENT FOR GE)
Name and Title

6/07/99
Date

19. If this waste is subject to any California list restrictions enter the letter from below (either A, B.1 or B.2) next to the restriction that is applicable:

20. Identify ALL Characteristic and Listed USEPA hazardous waste numbers that apply (as defined by 40 CFR 261). For each waste number, identify the subcategory (as applicable, check none, or write in the description from 40 CFR 268.41, 268.42, and 268.43).

[illegible]

and physical appearance CONCRETE AND SOIL

25. COMPLETE ONLY FOR WASTES INTENDED FOR
FUELS OR INCINERATION

TOTAL

Beryllium as Be _____ ppm
 Potassium as K _____ ppm
 Sodium as Na _____ ppm
 Bromine as Br _____ %
 Chlorine as Cl _____ %
 Fluorine as F _____ %
 Sulfur as S _____ %

26. RECLAMATION, FUELS or
INCINERATION PARAMETERS
(Provide if information is available)

RANGE

A. Heat Value (Btu/lb): _____ - _____
 B. Water: _____
 C. Viscosity (cps): _____ @ _____ F _ 100 F _ 150 F
 D. Ash: _____ %
 E. Settleable solids: _____ %
 F. Vapor Pressure @ STP (mm/Hg): _____
 G. Is this waste a pumpable liquid? Yes _ No _
 H. Can this waste be heated to improve flow? Yes _ No _
 I. Is this waste soluble in water? Yes _ No _
 J. Particle size: Will the solid portion of this
waste pass through a 1/8 inch screen? Yes _ No _

27. TRANSPORTATION INFORMATION

A. Is this a DOT Hazardous Material? Yes ☒ No _B. Proper Shipping Name. : RO, POLYCHLORINATED BIPHENYL MIXTURE

and Additional Description if required: _____

C. DOT Regulations: United Nations Hazard Class: 9 Misc.Hazardous Mat'l I.D. UN2315 Packing Group: IIID. CERCLA Reportable Quantity (RQ) and units (Lb, Kg): 1 LbE. Non-Bulk code 212 Bulk code 240F. Special Provisions 9 81 _ _ _ _G. Labels Required CLASS 9

28. SPECIAL HANDLING INFORMATION

_ Material Safety Data Sheets Attached

29. OTHER INFORMATION

30. CHEMICAL WASTE MANAGEMENT CERTIFICATION

Chemical Waste Management, Inc. has all the necessary permits and licenses for the waste that has been characterized and identified by this approved profile.

Profile #
MDC CL4846

MDC CL4846

[illegible]

32. OTHER HAZARDOUS CONSTITUENTS Indicate if the waste contains any of the following.

ORGANICS	TCLP Information: Check only ONE for each constituent			TCLP Data		TCA or TOTAL Use units: ppm, mg/l or %
	Less Than	Regulated Level	Equal or More	Waste No.	TCLP Analytical Test Results Use units: ppm or mg/l	
Benzene	X	0.5 mg/l		D018		
Carbon Tetrachloride	X	0.5 mg/l		D019		
Chlordane	X	0.03 mg/l		D020		
Chlorobenzene	X	100.0 mg/l		D021		
Chloroform	X	6.0 mg/l		D022		
m-Cresol	X	200 mg/l		D024		
o-Cresol	X	200.0 mg/l		D023		
p-Cresol	X	200.0 mg/l		D025		
Cresol	X	200.0 mg/l		D026		
2,4-D	X	10.0 mg/l		D016		
1,4 Dichlorobenzene	X	7.5 mg/l		D027		
1,2-Dichloroethane	X	0.5 mg/l		D028		
1,1-Dichloroethylene	X	0.7 mg/l		D029		
2,4-Dinitrotoluene	X	0.13 mg/l		D030		
Endrin	X	.02 mg/l		D012		
Heptachlor, & Hydroxide	X	0.008 mg/l		D031		
Hexachloro-1,3 Butadiene	X	0.5 mg/l		D033		
Hexachlorobenzene	X	0.13 mg/l		D032		
Hexachloroethane	X	3.0 mg/l		D034		
Lindane	X	0.4 mg/l		D013		
Methoxychlor	X	10.0 mg/l		D014		
Methyl Ethyl Ketone	X	200.0 mg/l		D035		
Nitrobenzene	X	2.0 mg/l		D036		
Pentachlorophenol	X	100.0 mg/l		D037		
Pyridine	X	5.0 mg/l		D038		
Tetrachloroethylene	X	0.7 mg/l		D039		
Toxaphene	X	0.5 mg/l		D015		
2,4,5-TP Silvex	X	1.0 mg/l		D017		
Trichloroethylene	X	0.5 mg/l		D040		
2,4,5-Trichlorophenol	X	400.0 mg/l		D041		
2,4,6-Trichlorophenol	X	2.0 mg/l		D042		
Vinyl Chloride	X	0.2 mg/l		D043		

Concrete Sealer and Design Specifications
(1999)

MARCOR Submittal
NO. 4

MARCOR Remediation, Inc

52 Marway Circle

716-247-6955

Rochester, NY 14624

716-247-6852 (FAX)

800-388-5933

LETTER OF TRANSMITTAL

TO: Dames & Moore
3065 Southwestern Boulevard
Orchard Park, New York 14127

DATE:	6/2/99	JOB NO.	RO-02674-001
ATTENTION:	Mr. Pete Smith		
RE:	GE / Urban Street		

WE ARE SENDING YOU ☒ Attached ☐ Under separate cover via _____ the following items:

☐ Shop drawings ☐ Prints ☐ Plans ☐ Samples
☐ Copy of letter ☐ Change Order ☒ Specifications

2	6/2/99	Concrete sealer cut sheets
		ADD Concrete Mix Design

THESE ARE TRANSMITTED as checked below:

☒ For approval ☐ Approved as submitted ☐ Resubmit _____ copies for approval
☐ For review and comment ☐ Approved as noted ☐ Submit _____ copies for distribution
☐ As requested ☐ Returned for corrections ☐ Return _____ corrected prints
☐ FOR BIDS DUE _____ 19 ____

REMARKS _____

COPY TO _____

SIGNED _____



Hamburg - Cheektowaga - Cowlesville
Lackawanna - Collins - Springville - Arcade

REDI-MIX
CONCRETE

CONCRETE
BLOCK

PRECAST
CONCRETE

May 24, 1999

Mr. Andrew Wascovich
J.J. Juliano Construction Inc.
3788 Broadway
Cheektowaga, New York 14227

Reference: Mix Design Submittal - 318 Urban Street, Buffalo

Mix # 1461 (57S-2-1) 4000 PSI (Quantities / C.Y., S.S.D.)

Area of Use: Slab On Grade

Cement: NYSDOT & ASTM C-150 Type I	517 lbs.
Fine Aggregate: Gernatt Gravel ASTM C-33	1350 lbs.
Coarse Aggregate: Buffalo Crushed Stone	
#1 Crushed Stone ASTM C-33	1044 lbs.
#2 Crushed Stone ASTM C-33	696 lbs.
Total Blend of Coarse Aggregate (ASTM C-33, Size #57)	1740 lbs.

Water: Erie County Water Authority 255.0 lbs

Admixtures:

Air Entraining Agent: ASTM C-260	0 oz./cwt to 3 oz./cwt.
Water Reducer: ASTM C-494 Type A	2 oz./cwt to 4 oz./cwt

Slump: 4" $\pm$ 1"

Air Content: Interior Slab No Air Required/Non-Air Entrained

All slumps and fresh air contents shall be adjusted at the time of batch to conform to those set forth in the job specifications. Listed below are the individual mix constituents and the applicable ASTM designations.

The cement shall meet the criteria of ASTM C-150 Type I, and the New York State Department of Transportation.

The fine aggregate shall meet the criteria of ASTM C-33 and the New York State Department of Transportation and will be supplied by Gernatt Gravel Products Inc. Coarse aggregate shall be supplied by Buffalo Crushed Stone and shall meet the criteria of ASTM C-33 and the New York State Department of Transportation.



Hamburg • Cheektowaga • Cowlesville
Lackawanna • Collins • Springville • Arcade

**REDI-MIX
CONCRETE**

**CONCRETE
BLOCK**

**PRECAST
CONCRETE**

J.J. Juliano Construction Inc.
May 24, 1999 Page Two

The air-entraining agent shall meet the criteria of ASTM C-260 and the New York State Department of Transportation. The Water reducer shall meet the criteria of ASTM C-494 Type A and the New York State Department of Transportation. All admixtures are certified by the manufacturer to contain less than 0.00015% chloride ions by weight of cement.

All concrete shall be batched and delivered in conformance with guidelines set forth in ASTM C-94 from our New York State Department of Transportation approved batching facilities. Printed invoices shall be furnished with each load of concrete from our computerized controlled plants. ASTM C-494 washwater recovery admixture may be incorporated into some products delivered to this project. This admixture is designed to address Federal and State washout requirements and will not alter the design of the mix.

Referencing ACI and ASTM guidelines, we respectfully request that all concrete testing be performed in strict conformance with stated procedures. These guidelines used for evaluation of concrete strengths incorporate the standard ASTM C-31, "Practice for Making and Curing Concrete Test Specimens in the Field". This standard states that "After molding, the specimens shall be stored in a temperature range between 60 and 80 degrees F. and in a moist environment preventing loss of moisture up to 48 hours". This will require the use of temperature controlled cure boxes and Max.-Min. thermometers to insure proper control. It is also recommended that all personnel involved in testing be ACI certified. Test specimens that are not fabricated and tested in strict conformance with this project stated specifications must not be used for evaluation of concrete strength.

Referencing the ACI Building Code we respectfully request copies of all concrete test reports within three days of testing. Should you have any further questions or need additional information please feel free to contact me at 649-3260 ext. 127.

Sincerely,
Riefler Concrete Products LLC.

Peter J. Armlovich
Technical Services Manager

Encl.
cc: Dispatch
File
PJA/bv



Quality Inspection Services, Inc.

186 Warwick Ave. • P.O. Box 732 • Buffalo, New York 14215-0732
(716) 836-0131 • Fax (716) 836-9608

Visit Us At: www.qisi.com E-Mail: buffalo@qisi.com

Riefler Concrete Products Mix Design

Mix Id. #57S-2-1

Date: 3-8-99

<u>Constituent</u>	<u>Amount Per C.Y.</u>	<u>Material Type/Source</u>
Cement	517 lbs.	Type I/II, ASTM C-150
Fine Aggregate	1350 lbs.	Concrete Sand - ASTM C-33 Gernatt Gravel Products
Coarse Aggregate #1 <i>NYSDOT 103-02-02 #1</i>	1044 lbs.	1" Crushed Stone Buffalo Crushed Stone
Coarse Aggregate #2 <i>NYSDOT 702-02-02 #2</i>	696 lbs.	<i>spec. call for max 1"</i> No (2") Crushed Stone Buffalo Crushed Stone
Coarse Aggregate (Total)	1740 lbs.	#1 & #2 Blend Crushed Stone ASTM Size Designation #57
Air Entrainment Agent	1.4 oz./cwt. (Dosage as required)	ASTM C-260
Water Reducing Agent	3.0 oz./cwt. (Range: 2.0 to 4.0)	ASTM C-494, Type A
Water	255 lbs.	Potable Source

Concrete Test Data

Slump	3.75	inches	Air Content	6.0	%
Concrete Temperature	72	°F.	Yield	27.1	cf.
Water Cement Ratio	0.49		Unit Weight	142.7	pcf.

*spec. has
0.45?*

Compressive Strength Data

<u>7 Day</u>	<u>28 Day</u>
	5430 PSI
4400 PSI	5490 PSI
4400 PSI	5480 PSI
4400 PSI - Avg.	5470 PSI - Avg.

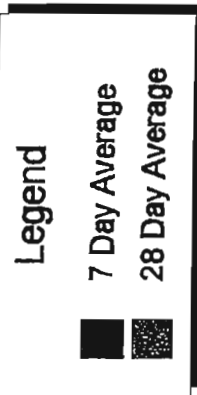
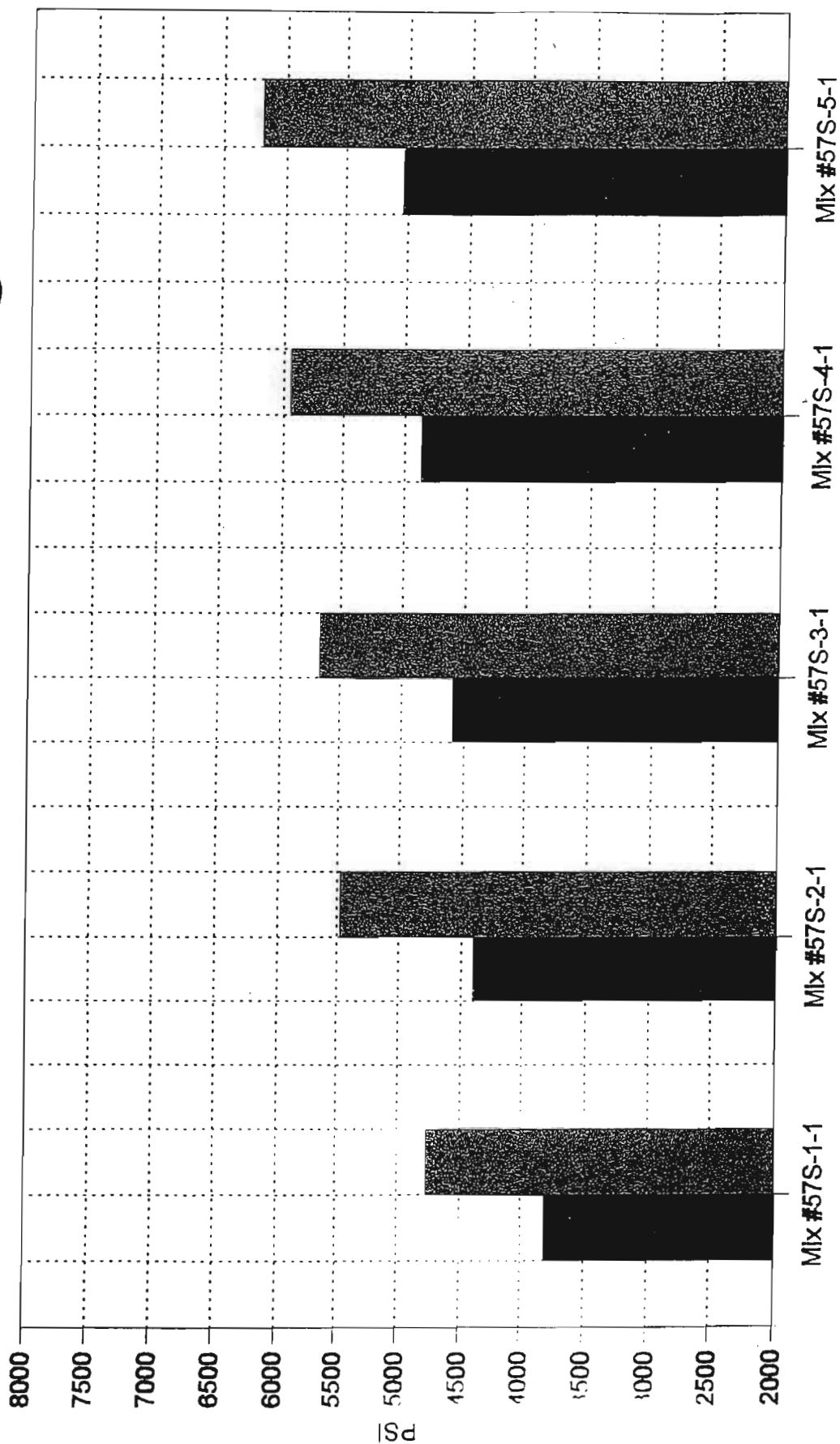


Warren, PA Office
920 Pennsylvania Avenue West
Warren, Pennsylvania 16365
(814) 726-1988 • Fax (814) 726-7850

Sustaining Member

East Syracuse Office
6730 Myers Road
East Syracuse, New York 13057
(315) 431-4291 • Fax (315) 431-4292

Riefler Concrete - Mix Design



Gernatt
DAN Gernatt PRODUCTS, INC.
Gravel

March 12, 1999

Mr. Peter Armlovich
Riefler Concrete Products, L.L.C.
5690 Camp Road
Hamburg, NY 14075

Re: Fine Aggregate Certification

Mr. Armlovich:

This is to certify that the fine aggregate supplied to your Collins, Hamburg and Gateway plants from our Collins location conforms to the requirements of both ASTM C-33 and the NYSDOT specifications for Item 703-07 Concrete Sand.

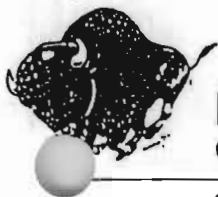
Our NYSDOT source number is 5-8F2 and our most recent test number is 98AF126.

Very truly yours,

Gernatt Asphalt Products, Inc.

Bill Schmitz
William Schmitz
V.P., Quality Control and Sales

WS:kg



BUFFALO CRUSHED STONE, INC.
CONSTRUCTION MATERIALS

2544 Clinton St., P.O. Box 710, Buffalo, NY 14224
(716) 826-7310 Fax: (716) 826-1342

January 8, 1998

Mr. Peter Armlovich
Paul Riefler Concrete Products
5690 Camp Rd.
Hamburg, New York 14075

Re: Aggregate Certification

Dear Peter:

We hereby certify that concrete aggregate as produced at our Wehrle Dr. Quarry, NYSDOT Source #5-3R, meets ASTM C33 limits for deleterious material and physical property requirements for coarse aggregate for concrete.

Please call with any further questions or concerns.

Sincerely,

BUFFALO CRUSHED STONE, INC.

John E. Werely
Vice President - Sales

JW/dcm

MB AE 90[®]

Admixture for Entraining Air in Concrete

DESCRIPTION:

MB AE 90 admixture is an air-entraining admixture which meets the requirements of ASTM C 260, AASHTO M 154 and CRD-C 13.

ADVANTAGES OF AIR ENTRAINMENT:

The entrainment of air in concrete results in the following improvements in concrete quality:

- Increased resistance to damage from freezing and thawing
- Increased resistance to scaling from deicing salts
- Reduced permeability—increased watertightness
- Reduced segregation and bleeding
- Improved plasticity and workability
- Improved properties of concrete block, and pipe.

Concrete durability research has established that the best protection for concrete from the adverse effects of freeze/thaw cycles and deicing salts results from: (a) proper air content in the hardened concrete; (b) a suitable air-void system in terms of bubble size and spacing; and (c) adequate concrete strength, assuming the use of sound aggregates and proper mixing, placing, handling and curing techniques.

Control of air content should be based upon determinations made on concrete at the time of placement, following adjustment of the batch to proper consistency (slump). The dosage rate of an air-entraining admixture depends on the air content to be obtained along with many other factors. The amount normally required is reduced by the introduction of a water-reducing, set-controlling admixture.

When unusually low or high amounts of an air-entraining admixture are required to achieve normal ranges of

air content or if the required amount of air-entraining admixture necessary to achieve required levels of air content is observed to change significantly under given conditions, the reason should be investigated. In such cases, it is especially important to determine (a) that a proper amount of air is contained in the fresh concrete at the point of placement; and (b) that a suitable air-void system is being obtained in the hardened concrete.

FEATURES:

Ready to Use—Solution is the proper concentration for rapid, accurate dispensing.

Compatible for Use—MB AE 90 admixture is compatible with concrete containing other admixtures; water-reducers, high-range water-reducers, accelerators, retarders, and water repellents.

The use of MB AE 90 air-entraining admixture with Master Builders water-reducing, set-controlling admixtures forms a desirable combination for producing high-quality normal or lightweight concrete. Heavyweight concrete normally does not contain entrained air.

NOTE: When two or more admixtures are used, each must be added to the mix separately (through dispensers or manually) and must not be mixed with each other prior to adding to the concrete mix.

For optimum, consistent performance, the air-entraining admixture should be dispensed on damp, fine aggregate. When using lightweight fine aggregate, field evaluations should be conducted to determine the best location to dispense the air-entraining admixture—on the damp, fine aggregate or with the initial batch water.

MB
Master Builders
Corporation
P.O. Box 100
Trenton, NJ 08646

USAGE INFORMATION:

MB AE 90 admixture is a ready-to-use solution. Do not dilute or mix it with any other admixture.

1 MB AE 90 admixture to the concrete mix using a dispenser designed for air-entraining admixtures; or add manually using a suitable measuring device that ensures accuracy within plus or minus 3% of the required amount.

There is no standard dosage rate for MB AE 90 admixture. The exact quantity of air-entraining admixture needed for a given air content of concrete is not predictable because of differences in concrete-making materials. Typical factors which might influence the amount of entrained air are: temperature, cement, sand gradation, sand-aggregate ratio, slump, means of conveying and placing, use of extra fine materials such as fly ash, etc.

The amount of MB AE 90 admixture used will depend upon the amount of entrained air required under actual job conditions. In a trial mix, use 1/4 to 4 fl oz/100 lbs (16 to 260 mL/100 kg) of cement. In mixes containing water-reducing, set-controlling admixtures, the amount of MB AE 90 needed may be somewhat less than the amount required in plain concrete. In mixes requiring a higher or lower dosage to obtain the desired air content, consult your local Master Builders representative.

Measure the air content of the trial mix and either increase

or decrease the quantity of MB AE 90 admixture to obtain the desired air content of the first batch and make further adjustments if needed.

Frequent checks during the course of the work should be made since many factors may require adjustments in the MB AE 90 dosage rate. Adjustments to the dosage should be based on the amount of entrained air in the mix at the point of placement.

TEMPERATURE PRECAUTION:

MB AE 90 admixture should be stored and dispensed at 31°F (-5°C) or higher. Although freezing does not harm this product, precautions should be taken to protect it from freezing. If it freezes, thaw and reconstitute by mild mechanical agitation. Do not use pressurized air for agitation.

PACKAGING:

MB AE 90 admixture is supplied in 55 U.S. gallon (208 liter) drums and bulk delivery.

CAUTION:

Chemical goggles and gloves are recommended if handling large quantities of material.

For additional information on MB AE 90 admixture or on its use in developing a concrete mixture with special performance characteristics, contact your local Master Builders representative.



Master Builders, Inc.
Admixture Division
23700 Chagrin Boulevard
Cleveland, Ohio 44122-5554
(216) 831-5500
Fax (216) 831-3470

Master Builders Technologies Ltd.
3637 Weston Road
Toronto, Ontario M9L 1W1
800-387-5862
Fax (416) 741-7925

POZZOLITH® 220-N

Concrete admixture

DESCRIPTION:

POZZOLITH 220-N is a ready-to-use, liquid admixture for making more uniform and predictable quality concrete. It meets ASTM C 494 requirements for Type A water-reducing admixtures, specifically:

- Increased strength—compressive and flexural
- Relative durability to damage from freezing and thawing—well above industry standards
- Reduced water content required for a given workability
- Normal-setting characteristics

ADVANTAGES:

Concrete with POZZOLITH 220-N admixture has a setting time comparable to plain concrete while providing the following special qualities:

- Improved workability
- Reduced segregation
- Improved finishing characteristics for flatwork and cast surfaces
- Effective as a singular admixture or as a component in a Master Builders Admixture System

WHERE TO USE:

POZZOLITH 220-N admixture is recommended for use in all concrete where normal-setting characteristics are desired.

As a result of the advantages listed above, this admixture improves pumped concrete, shotcrete (wet mix), and conventionally placed concretes. It improves plain, reinforced, precast, prestressed, lightweight or standard weight concrete.

POZZOLITH 220-N admixture can be used with portland cements approved under AASHTO, ASTM and CRD specifications. The use of POZZOLITH 220-N and a Master Builders air-entraining admixture is recommended whenever concrete is required to withstand freeze/thaw cycles. When used in conjunction with another admixture, each admixture must be dispensed separately into the mix. By itself, POZZOLITH 220-N admixture does not entrain air.

POZZOLITH 220-N admixture will not initiate or promote corrosion of reinforcing steel in concrete. This admixture does not contain intentionally added calcium chloride or chloride-based ingredients. The admixture, due to chlorides originating from all the ingredients used in its manufacture, contributes less than 0.00015% (1.5 ppm) chloride ions by weight of the cement when used at the rate of 1 fl. oz. per 100 lbs. (65 ml per 100 kg) of cement.

POZZOLITH 220-N admixture can be used in white or colored concrete and in architectural concrete.

QUANTITY TO USE:

POZZOLITH 220-N admixture is recommended for use at a rate of 2 to 5 fl ozs per 100 lbs (130 to 325 ml per 100 kg) of cement for most concrete mixes using average concrete ingredients. Because of variations in job conditions and concrete materials, dosage rates other than the recommended amounts may be required. In such cases, contact your local Master Builders representative.

PACKAGING:

POZZOLITH 220-N admixture is supplied in 55 U.S. gallon (208 liter) drums and by bulk delivery.

TEMPERATURE PRECAUTION:

If POZZOLITH 220-N admixture has frozen, thaw at 35°F (2°C) or above and completely reconstitute by mild mechanical agitation.

Do not use pressurized air for agitation.

For additional information on POZZOLITH 220-N admixture or on its use in developing a concrete mix with special performance characteristics, contact your local Master Builders representative.

Master Builders, Inc.

United States
23700 Chagrin Boulevard
Cleveland, Ohio 44122-5554
(800) MBT-9990
Fax (216) 831-6910

Canada
3637 Weston Road
Toronto, Ontario M9L 1W1
(800) 387-5862
Fax (416) 741-7925

Mexico
Blvd. M. Avila Camacho 80
3er Piso, 53390 Naucalpan, México
011-525-557-5544
Fax 011-525-395-7903

KURE-N-SEAL

Transparent curing, sealing, and dustproofing compound

PRODUCT DESCRIPTION

Kure-N-Seal is a transparent curing, sealing, and dustproofing compound for interior and exterior concrete and masonry floors and walls.

A liquid acrylate based polymer, Kure-N-Seal contains no oils, saponifiable resins, waxes, or chlorinated rubbers.

A companion product, Reducer 990, is used primarily to thin first coats when spraying or applying Kure-N-Seal to aged floors. It is also used for cleaning tools and equipment with which Kure-N-Seal has been applied.

Use

New concrete: Kure-N-Seal is specifically designed for curing and sealing freshly placed and finished concrete by restricting evaporative loss of hydration water, allowing surfaces to achieve maximum hardness. As it cures, the concrete surface is simultaneously sealed, dustproofed, and protected from staining and abrasion. Construction clean up is simplified. Surfaces can be damp or dry, horizontal or vertical, interior or exterior.

Kure-N-Seal dries to a tough, glossy membrane, resistant to construction traffic and workman abuse, adhesion of mortar droppings and paint, and many chemicals and stains.

Because Kure-N-Seal seals, dustproofs, and cures simultaneously, an original application may be left as is or recoated immediately before occupancy for a lustrous final finish.

From construction through occupancy, maintenance and clean-up procedures are greatly simplified; housekeeping costs greatly reduced.

In addition to newly placed concrete floors, Kure-N-Seal is particularly effective on exposed aggregate, brick floors and walls, terrazzo, and older concrete surfaces.

On newly placed exposed aggregate, Kure-N-Seal cures, seals and beautifies in a single operation. Its sealing action reduces aggregate pop-outs and de-icing salt damage. In addition, Kure-N-Seal's glossy finish brightens the natural coloration of aggregates, enhancing their architectural and esthetic beauty with a lustrous seal.

Aged concrete: Kure-N-Seal renovates, seals, and dustproofs aged floors with an easy application. Aged surfaces become easier to clean and maintain, brighter and newer looking. Surface dampness at the time of application does not affect results. (Kure-N-Seal 30 should be applied when a high gloss is desirable or required.)

Kure-N-Seal's compatibility with a wide range of resilient tile adhesives simplifies tiling over. Kure-N-Seal may also be used on concrete substrates to be covered by carpeting. This product provides excellent resistance to abrasion from foot traffic on school, apartment, office, hospital, and residential floors; and to abrasion caused by pneumatic- or composition-wheel traffic in warehouses and industrial and commercial buildings.

Limitations

Kure-N-Seal should not be used on surfaces to receive concrete overlays or additional toppings or coatings. It can be applied to colored concrete, but mottling may occur. It may rubber burn and highlight imperfections of dry concrete surfaces. Kure-N-Seal is not recommended as a release agent, and should not be used where other sealers or treatments are to be applied later. Do not use Kure-N-Seal in areas which require resistance to solvents such as gasoline, diesel fuel, or paint thinners. Do not mix or use it in conjunction with Kure-N-Seal 0800. If Kure-N-Seal is to be applied in or near areas containing foodstuffs, they should be removed prior to application and until Kure-N-Seal has fully dried and all solvent vapors have dissipated.

Solvent vapors can be objectionable to people unaccustomed to the odor; consult with building management before applying Kure-N-Seal in or around buildings occupied by nonconstruction personnel.

Packaging

Available in 55 gallon drums and 5 gallon pails (18.9 liters). Shelf life is 1 year.

Color: transparent.

Compliances

Kure-N-Seal meets and surpasses the requirements for ASTM C 309, Type I, Class A or B (Type ID with fugitive Dye); Asphalt and Vinyl Asbestos Tile Institute; AASHTO M-148; and Corps of Engineers CRD-C-304-91, Type I (or ID), Class A or B.

VOC Content

691.3 grams per liter

As per NJAC 7:27-23, this product contains 5.77 lbs. of V.O.S. per gallon of coating.

TECHNICAL DATA

Kure-N-Seal is recommended for use on Class, 1, 2, 3, and 4 concrete floors as classified in Table 1.1, ACI Standard 302-77.

Test Data

Comparative abrasion resistance: Taber Abraser, CS-17 Wheel, 1000 gram load, for 1000 revolutions:

Milligrams lost: Bare concrete—524 mg; Kure-N-Seal-treated surfaces—212 mg.

Moisture retention test ASTM-C-309: Test requirement: not to exceed 0.055 grams per cm²

Kure-N-Seal: 0.050 grams per cm² (when applied at 200 sq. ft. per gallon)

INSTALLATION

Surface Preparation

Newly placed concrete: Surface must be sound and properly finished. Surface is application ready when damp but not wet, and can no longer be marred by walking workmen.

Newly cured bare concrete: Level any spots gouged out by trades. Remove all dirt, dust, droppage, oil, grease, asphalt, and foreign matter. Cleanse with caustics and detergents as required. Rinse thoroughly and allow to dry so that surface is no more than damp and never wet.

Aged concrete: Restore to surface soundness by patching, grouting, and filling cracks and holes. Surface must also be free of any dust, dirt, and other foreign matter. Use power tools or strippers to remove any incompatible sealers or coatings. Cleanse as required, following procedure indicated under cured concrete.

Method of Application

Apply to form a continuous, uniform film by spray, shortnap roller, or lamb's wool applicator. Ordinary garden sprayers with a neoprene hose are recommended for best results. Tools should be cleaned immediately after use with Reducer 990.

For curing only, first coat should be applied evenly and uniformly as soon as possible after final finishing. Second coat should be applied when all trades are completed and structure is ready for occupancy.

To meet guarantee and to seal and dustproof, 2 coats are required. For sealing new and aged concrete, both coats are applied full-strength.

Precautions: Do not to apply Kure-N-Seal to the interfacing of channels to be caulked with elastomeric sealants. Mask channels to avoid problems. Surfaces to be treated with Kure-N-Seal can be damp but not wet.

Coverage

Sq. Ft. per Coat per Gallon

Curing only	200 to 400
Dustproofing and sealing	
1st coat	200 to 400
2nd coat	400 to 600
Renovating, dustproofing, and sealing	200 to 300
Under mastic-type floor adhesives	400 to 600

Coverage varies with texture and porosity of surface.

Drying time (at 65°F to 85°F): Light foot traffic or between coats: 4 hours; normal traffic: overnight; maximum hardness: 7 days.

Maintenance

Routine sweeping and washing of floors with conventional cleaners and detergents is recommended for maximum life expectancy. Remove all abrasive grit and wipe up corrosive spills as soon as possible. Inspect membrane periodically for wear or breaks and gouges in the surface. Affected areas may be renovated by reapplying Kure-N-Seal to regain original gloss and protection.

GUARANTEE

Sonneborn guarantees that should any concrete or terrazzo floor or any part thereof show any signs of dusting as a result of wear

and abrasion within five years after the application of Kure-N-Seal, it will, without expense, supply enough Kure-N-Seal to treat said floor or portion thereof, providing the original application was made by an experienced applicator and that a certificate of coverage was issued and signed by a duly authorized Sonneborn representative.

WARNING—COMBUSTIBLE

CONTAINS mineral spirits, aromatic 100 solvent

May cause skin irritation. Prolonged contact of liquid or vapor with eyes may cause injury. Prevent contact with skin and eyes. If contact occurs, flush affected area(s) thoroughly with plenty of water. May cause respiratory irritation or intoxication with headaches, nausea and central nervous system depression. Repeated or prolonged overexposure may cause injury to the kidneys, central nervous system, or formed elements of the blood. Avoid breathing vapor/mist. If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, administer artificial respiration. May cause irritation if ingested. DO NOT take internally. If ingested, DO NOT induce vomiting. Small amounts of liquid aspirated into lungs may cause serious pulmonary injury.

SEEK MEDICAL ATTENTION FOR ALL OVEREXPOSURES.

USE ONLY WITH ADEQUATE VENTILATION.

KEEP CONTAINERS CLOSED.

KEEP AWAY FROM SOURCES OF IGNITION.

KEEP ALL USED AND UNUSED CONTAINERS OUT OF THE REACH OF CHILDREN.

Empty container may contain explosive vapors or dangerous residues. Do not cut or weld empty container. Store empty container away from sources of ignition.

Recommended safety equipment: Impervious gloves, goggles and if applied in areas of poor or inadequate ventilation, use NIOSH/MSHA approved organic respirator.

LIMITED WARRANTY NOTICE

Every reasonable effort is made to apply ChemRex Inc. exacting standards both in the manufacture of our products and in the information which we issue concerning these products and their use. We warrant our products to be of good quality and will replace or, at our election, refund the purchase price of any products proved defective. Satisfactory results depend not only upon quality products but also upon many factors beyond our control. Therefore, except for such replacement or refund CHEMREX INC. MAKES NO WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY, RESPECTING ITS PRODUCTS, and CHEMREX INC. shall have no other liability with respect thereto. Any claim regarding product defect must be received in writing within one (1) year from the date of shipment. No claim will be considered without such written notice or after the specified time interval. User shall determine the suitability of the products for the intended use and assume all risks and liability in connection therewith. Any authorized change in the printed recommendations concerning the use of our products must bear the signature of the ChemRex Inc. Technical Manager.

Sonneborn

BUILDING PRODUCTS

ChemRex Inc.

7711 Computer Avenue; Minneapolis, MN 55435

Regional Warehouses: Chicago, IL; Houston, TX; Maspeth, NY;

Atlanta, GA; Hayward, CA.

Manufacturing Plants: Chicago, IL; Minneapolis, MN; Pottstown, PA; Commerce City, CO; Fort Wayne, IN; Mattawan, MI.

All Distribution Centers: 1/800/433-9517

Technical Service: 1/800/ChemRex (1/800/243-6739)

**Crushed Stone Fill Specifications
(1999)**

RECEIVED
Dames & Moore

JUN 14 1999

MARCOR
Subm. Hm
no. 5

MARCOR Remediation, Inc

52 Marway Circle

Rochester, NY 14624

Flot

716-247-6955

716-247-6852 (FAX)

800-388-5933

LETTER OF TRANSMITTAL

TO: Dames & Moore
3065 Southwestern Boulevard, Suite 202
Orchard Park, New York 14127

DATE:	JOB NO:	RO-02674-001
ATTENTION:	Mr. Pete Smith	
RE:		

WE ARE SENDING YOU ☐ Attached ☐ Under separate cover via _____ the following items:

☐ Shop drawings ☐ Prints ☐ Plans ☐ Samples
☐ Copy of letter ☐ Change Order ☐ Specifications

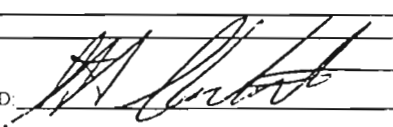
2	6/11/99	Non-Hazardous waste Straight Bill of Lading
2	6/11/99	Crushed Stone Specifications

THESE ARE TRANSMITTED as checked below:

☐ For approval ☐ Approved as submitted ☐ Resubmit _____ copies for approval
☒ For review and comment ☐ Approved as noted ☐ Submit _____ copies for distribution
☐ As requested ☐ Returned for corrections ☐ Return _____ corrected prints
☐ FOR BIDS DUE _____ 19 ____

REMARKS

COPY TO

SIGNED: 

- what Forte is
for
not maximum



Contract Drilling and Testing

1951-1 Hamburg Turnpike
Buffalo, NY 14218

Phone: (716) 821-5911
Fax: (716) 821-0163

55 Oliver Street
Cohoes, New York 12047

Phone: (518) 238-1145
Fax: (518) 238-1249

P.O. Box 416 • 208 La Fevre Road
Stockertown, PA 18083

Phone: (610) 748-2670
Fax: (610) 748-2659

TOLL FREE: 1-800-821-5911

Laboratory Test Report

PROJECT : WESTWOOD SQUIBB PROJECT

CLIENT : O'BRIEN & GERE TECHNICAL SERVICES, INC.

DATE : SEPTEMBER 10, 1997

PROJECT NO.: SJB-T796

REPORT NO.: LTR-1

SAMPLE INFORMATION :

Sample No. 97-429 was collected from an on-site stockpile by SJB Services, Inc. on August 20, 1997. Sample is described as a 2" ROC Stone from the Buffalo Crushed Stone, Wherle plant.

ASTM C-136 : Sieve Analysis of Fine and Coarse Aggregates

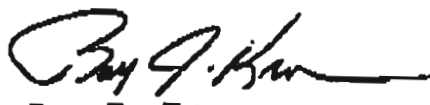
Sieve Size	Percent Passing
2"	100.0
1 1/2"	96.9
1"	81.9
3/4"	70.3
1/2"	49.0
1/4"	41.9
#4	35.6
#10	26.6
#20	15.0
#40	10.6
#100	7.3
#200	6.0

ASTM D-1557 : Moisture-Density Relations of Soils and Soil-Aggregate Mixtures, Using a 10 lb. Rammer and 12" Drop

Maximum Dry Density : 136.9 pcf
Optimum Moisture : 6.8 %

SJB Services, Inc.


Paul Gregorczyk
Laboratory Manager

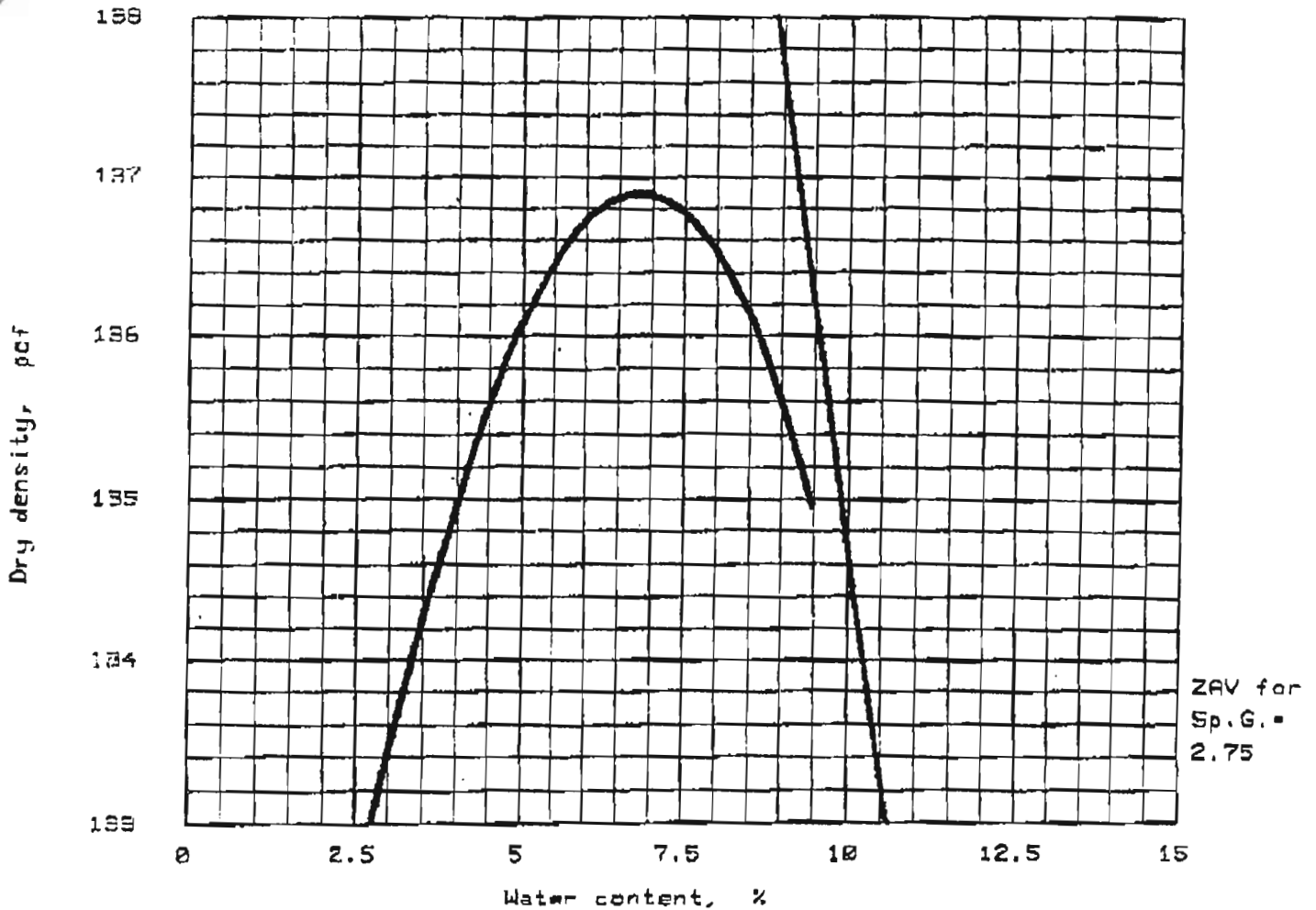

Ray J. Kron
Testing Services Manager



"QUALITY & SERVICE THE WAY IT USED TO BE"



PROCTOR TEST REPORT



"Modified" Proctor, ASTM D 1557, Method C

Elev. Depth	Classification		Nat. Moist.	Sp.G.	LL	PI	% > 3/4 in	% < No. 200
	USCS	AASHTO						
	GW-GM	A-1-a		2.75				

TEST RESULTS	MATERIAL DESCRIPTION
Optimum moisture = 6.8 % Maximum dry density = 136.9 pcf	2" ROC STONE BUFLO. CRUSHED STONE

Project No.: SJB-T796 : LTR-1
Project: WESTWOOD SQUIBB PROJECT
Location: BUFFALO, N.Y.

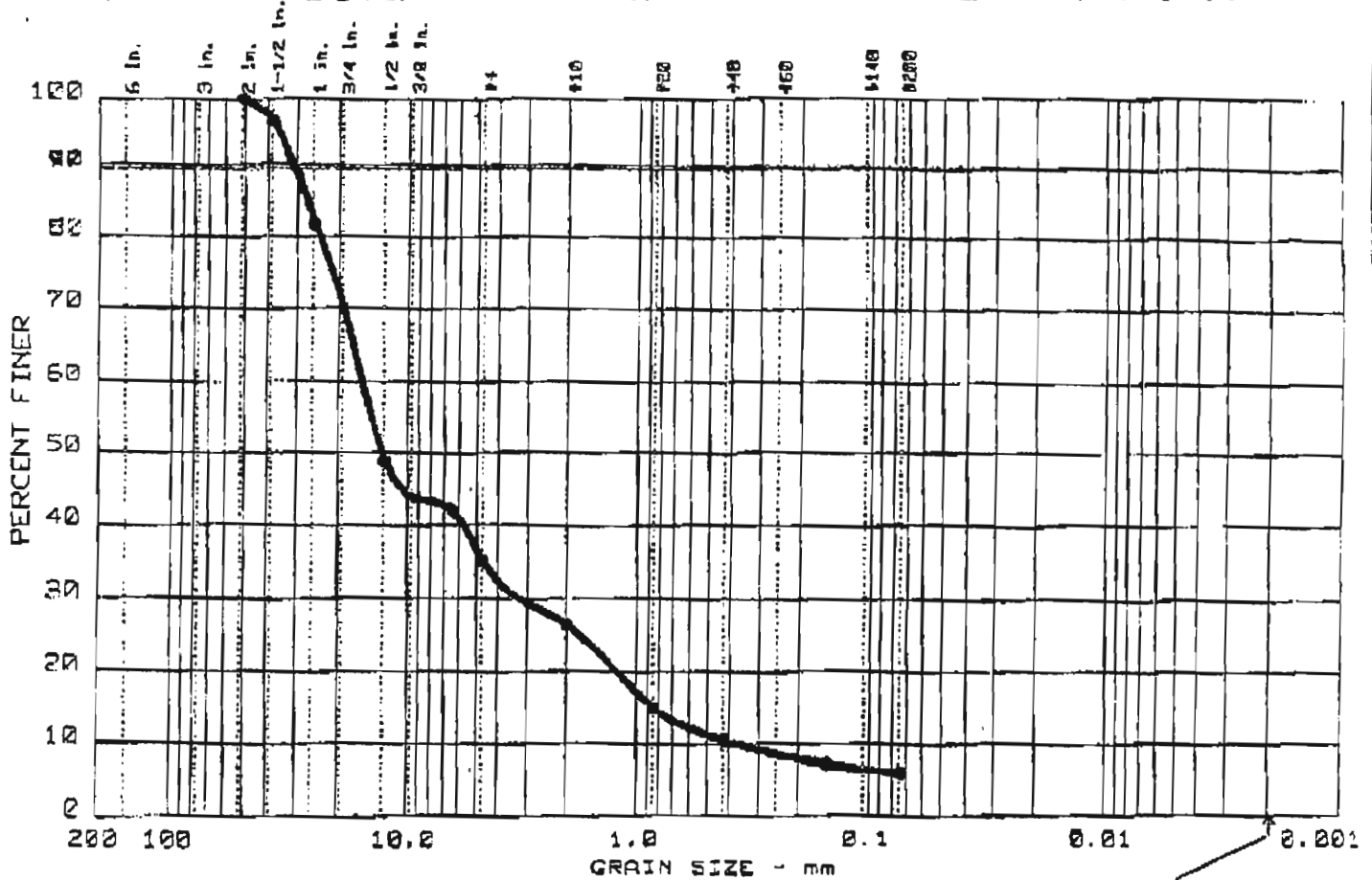
Date: AUGUST 29, 1997

PROCTOR TEST REPORT
SJB Services, Inc.

Remarks:
PROCTOR RESULTS FOR
SAMPLE #97-429 USING
ASTM D1557 METHOD C

Figure No. _____

GRAIN SIZE DISTRIBUTION TEST REPORT



Test	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
15	0.0	64.4	29.6	6.0	

LL	PI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
		27.38	15.76	13.02	3.159	0.8404	0.3544	1.79	44.5

MATERIAL DESCRIPTION	USCS	AASHTO
2" ROC STONE	GW-GM	A-1-a

Project No.: SJB-T796 : LTR-1
 Project: WESTWOOD SQUIBB PROJECT
 Location: BUFFALO CRUSHED STONE - WHERLE PLANT
 Date: AUGUST 29, 1997

Remarks:
 Collected by SJB from an on-site stockpile on August 20, 1997.
 SJB Sample ID# is 97-429

GRAIN SIZE DISTRIBUTION TEST REPORT
SJB Services, Inc.

Figure No. _____

Analytical Results from Wastewater Treatment
System Effluent (1999)

MARCOR Remediation, Inc

52 Marway Circle
Rochester, NY 14624

716-247-6855
716-247-6852 (FAX)
800-388-5933

MARCOR
submitter
no. 8

RECEIVED
Dames & Moore
JUN 25 1999

LETTER OF TRANSMITTAL

TO: Dames & Moore
3065 Southwestern Boulevard, Suite 202
Orchard Park, New York 14127

DATE:	24-Jun-99	JOB NO:	RO-02674-001
ATTENTION:	Mr. Pete Smith		
RE:	analytical for treated water		

WE ARE SENDING YOU ☐ Attached ☐ Under separate cover via _____ the following items:

☐ Shop drawings ☐ Prints ☐ Plans ☐ Samples
☐ Copy of letter ☐ Change Order ☐ Specifications

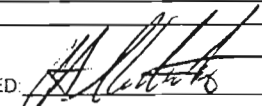
2	6/24/99	Analytical results for treated decon water

THESE ARE TRANSMITTED as checked below:

☐ For approval ☐ Approved as submitted ☐ Resubmit _____ copies for approval
☐ For review and comment ☐ Approved as noted ☐ Submit _____ copies for distribution
☒ Informational ☐ Returned for corrections ☐ Return _____ corrected prints
☐ FOR BIDS DUE _____ 19 ____

REMARKS _____

COPY TO _____

SIGNED: 

Lozier Analytical Group

☐ Lozier Laboratories, Inc., #10390

888 - 841 - 5227

☐ EXPRESSLAB, Inc., #11369

800 - 843 - 5227

LABORATORY REPORT - PCB BY 608

Cust **MARCOR**
Address: **52 MARWAY CIRCLE**
ROCHESTER, NY 14624
Attn: **STEVE STOCKMASTER**

Phone 247-6955
FAX 247-6852

PO Number:
Project Number: **RO-02674-001**
Project Cust:
Project Site: **GE URBAN ST**
Date FAXED:
Lab Director

SAMPLE DEMOGRAPHICS AND TEST RESULTS

Results in bold type; Detection Limits in small print

Detection Limits* =

Soil=ug/kg ppb

Extraction Method:

EPA 3510 Liquid/Liquid Extraction

*See Individual Limit

Water=ug/L ppb

Analysis Method:

EPA 608 GC ECD

Sample ID (LAB)

26806

Sample ID#1(CUST)

FRAC TANK

Sample ID#2(CUST)

WATER

rix

PETE SPAGNOLA

mpled By

6/18/99

Date Sampled

6/22/99

Date Received

6/22/99

Date Analyzed

6/23/99

Date Reported

9:10

Results Det Limit

Aroclor 1016

< DL(U) 1.0

Aroclor 1221

< DL(U) 1.0

Aroclor 1232

< DL(U) 1.0

Aroclor 1242

< DL(U) 1.0

Aroclor 1248

< DL(U) 1.0

Aroclor 1254

< DL(U) 1.0

Aroclor 1260

< DL(U) 1.0

< DL(U)=analyzed but not detected

L=estimated value

B=analyte found in blank

E=exceed calibration range

DL = Detection Limit

RESULTS WHEN YOU WANT THEM

RPT8080

MARCOR

CHAIN OF CUSTODY

2004-07-17

CLIENT

PROJECT NAME & NUMBER

6E Urban II 70-02674-001

SAMPLE RESERVZ DATE: TIME: COMP. GRAB SAMPLE LOCATION: NUMBER OF CONTAINERS

6/18/99 X free tank

ANALYSIS DUE DATE: 70-21435

DEPTH TO WATER GROUNDWATER ELEVATION

26806 MANILLA COPY

REMARKS:

SAMPLED BY: Pete Spagnola

PROJECT MANAGER: Steve Stockmayer

RELINQUISHED BY: 1 Pete Spagnola 6/18/99 0710

RECEIVED BY: 1 Mike C. 6/21/99 0910

METHOD OF DOCUMENT:

RECEIVED AT LABORATORY BY:

Uma Elliott

6/22 9:11 AM

Buffalo Sewer Authority Discharge Permit
(1999)

RECEIVED
Dames & Moore

JUN 4 1999

MARCOR
Subm. # MC NO. 10

File#
MARCOR Remediation, Inc

52 Marway Circle
Rochester, NY 14624

716-247-6955
716-247-6852 (FAX)
800-388-5933

LETTER OF TRANSMITTAL

TO: Dames & Moore
3065 Southwestern Boulevard
Suite 202
Orchard Park, New York 14127

DATE:	6/3/99	JOB NO:	RO-02674-001
ATTENTION:	Mr. Pete Smith		
RE:	Submittals		

WE ARE SENDING YOU ☒ Attached ☐ Under separate cover via _____ the following items:

☐ Shop drawings ☐ Prints ☐ Plans ☐ Samples
☐ Copy of letter ☐ Change Order ☐ Specifications

2	6/3/99	City of Buffalo water discharge permit
2	6/3/99	Schedule

THESE ARE TRANSMITTED as checked below:

☐ For approval ☐ Approved as submitted ☐ Resubmit _____ copies for approval
☐ For review and comment ☐ Approved as noted ☐ Submit _____ copies for distribution
☒ As requested ☐ Returned for corrections ☐ Return _____ corrected prints
☐ FOR BIDS DUE _____ 19 _____

REMARKS

COPY TO _____

SIGNED _____

Permit No.: 99-05-TP062

Expiration Date: 12/31/99

Date Paid: 05/20/99

**BUFFALO SEWER AUTHORITY
TEMPORARY DISCHARGE PERMIT**

Permittee: **MARCOR REMEDIATION, INC.**

Location Address: **52 MARWAY CIRCLE, ROCHESTER, NEW YORK, 14624**

The above named Permittee is hereby approved to discharge **decontaminated water from an activated carbon system** only, from a remediation site located at:

GE/SWEENEY STEEL, 318 URBAN STREET, BUFFALO, NEW YORK, 14211

to the Buffalo Sewer Authority facilities in accordance with the Buffalo Sewer Authority Regulations, Article VI, Section 14, and subject to the following conditions:

ARTICLE 1 CONDITIONS OF ACCEPTANCE

The discharge of the approved waste by the Permittee shall be subject to the following conditions:

a. Times, Location & Rate

The following location is designated for discharge during the hours listed and subject to the limit for rate of discharge specified:

Location: (see attached map)

Time Discharge is Permitted: 7:00 A.M. - 7:00 P.M.

Limit on Rate of Discharge: 12 GALLONS/MINUTE

b. Limits

All contaminated water must be pretreated by the carbon filter system on site. Before discharge to the Buffalo Sewer Authority sewer system, a representative sample of the decontaminated water must be taken and tested for Total PCB's and may not exceed a limit of 0.3 µg/l.

c. Operations

The Permittee shall maintain cleanliness, minimize odors and protect the Buffalo Sewer Authority facilities during the permittee's operations. The Permittee shall

not permit any condition to arise which may pose a threat to public health, safety or welfare.

d. Samples and Analyses

The sampling and analyses required in Article 1 (b) shall be performed in accordance with the Buffalo Sewer Authority "Sampling Measurement and Analytical Guidelines Sheet". The Buffalo Sewer Authority, which also reserves the right, at its convenience, to sample wastes discharged by the Permittee.

e. Refusal to Discharge

The Buffalo Sewer Authority may refuse the Permittee permission to discharge wastes at any time and for any reason whatsoever, for the protection of sewer facilities against damage or flooding; to assure the proper operation and maintenance of said facilities; or to protect public health, safety or welfare.

f. Local Limits

Except as otherwise specified in this permit, the permit holder shall comply with all specific prohibitions, limits on pollutants or pollutant parameters set forth in the Buffalo Sewer Authority Sewer Use Regulations, as amended from time to time, and such prohibitions, limits and parameters shall be deemed pretreatment standards for purposes for the Clean Water Act.

ARTICLE 2 REGULATIONS

The Permittee must conform to all Buffalo Sewer Authority regulations and appropriate Federal, State and County Statutes, rules, mandates, directives, and orders concerning the collection, transportation, treatment and disposal of wastewaters.

ARTICLE 3 INSURANCE AND INDEMNIFICATION

The Permittee, agrees to indemnify and hold harmless the Buffalo Sewer Authority and its agents and employees against any and all claims resulting from work performed under this permit. The permittee shall be solely responsible for any and all injury or damage to its employees or property arising from use of Buffalo Sewer Authority facilities under this permit.

In the event of any alteration, non-renewal or cancellation of these policies, at least (45) forty-five days advance notice shall be given to the Industrial Waste Section, Bird Island Treatment Plant, Foot of West Ferry Street, Buffalo, New York 14213 - before such change shall be effective.

ARTICLE 4 TERMINATION FOR VIOLATION OF AGREEMENT

In the event of a violation of any of the terms and conditions of this permit by the Permittee or upon the failure to pay the charges herein specified, the Buffalo Sewer Authority shall terminate the permit by service of notice of termination by registered mail at the Permittee's office address as set forth above.

ARTICLE 5 PERMITTEE APPROVAL

Official *Joe Stomba* Title *P.M.*
Print Name Print
Signature *[Signature]* Date _____

ARTICLE 6 BUFFALO SEWER AUTHORITY APPROVAL

Approved as to Content:

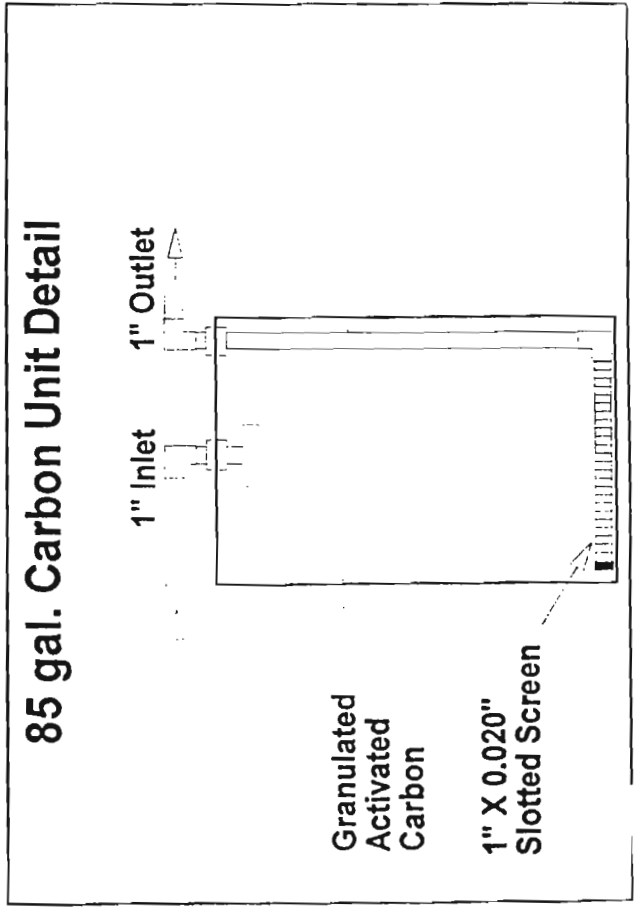
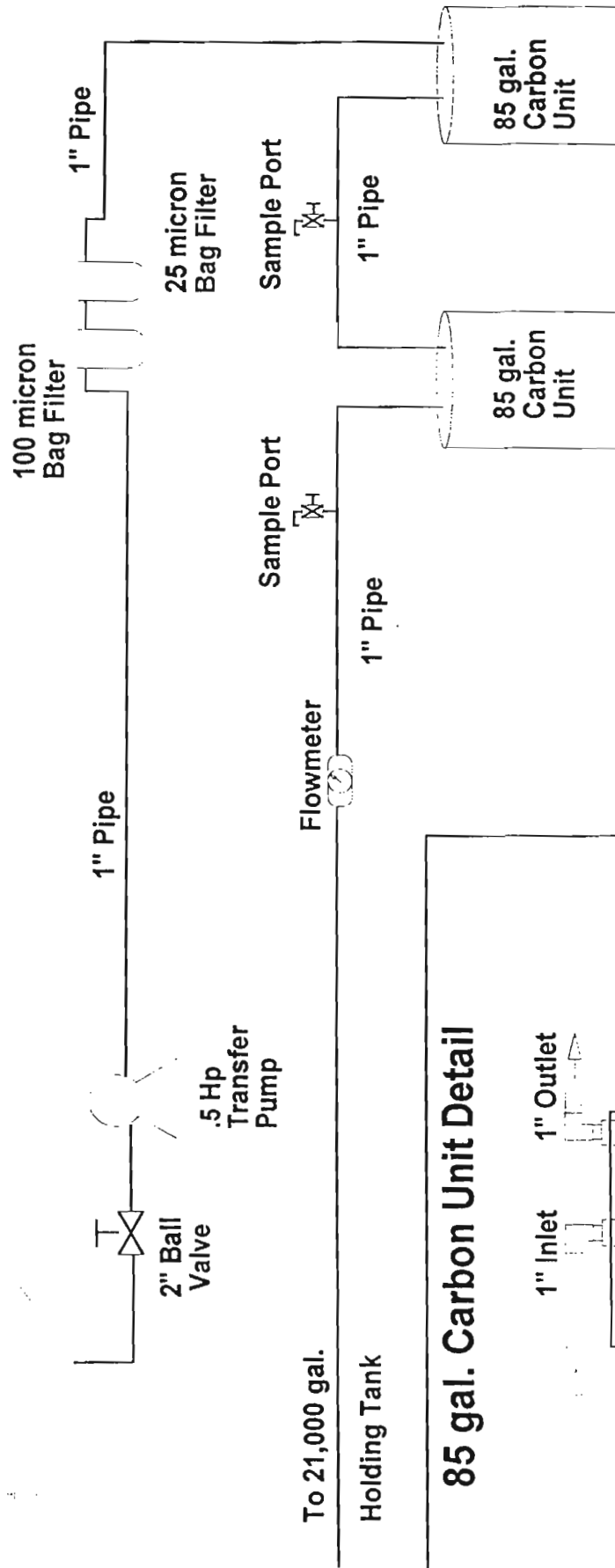
Signature _____ Date _____
Industrial Waste Administrator

Effective this *27th* day of *May*, 19 *99*

[Signature]
General Manager
Buffalo Sewer Authority

cc: Chief Sewer Construction Inspector
Director of Sewer Maintenance

600 gal.
Holding Tank



MARCOR Remediation Inc.

PROJECT NAME	General Electric - 318 Urban Street Buffalo, NY
MAP TITLE	Water Treatment System Schematic
JOB#	
SCALE	NTS
DATE	January, 1999
DRAFTED BY	DAS

Storage Box

Fence

Trailer

Fence

MARCOR Remediation Inc.

General Electric - 318 Urban Street
Buffalo, NY

SCALE
NTS

DRAFTED BY
DAS

PROJECT NAME

MAP TITLE

JOB#

Site Map

DATE
May, 1999

Proposed Point of Discharge

Gate

Urban Street

Sewer

Sewer

Fence

Hold Tank

Discharge

Flowmeter

318 Urban Street

Building

Carbon Filters

Prefilter

Frac Tank

Permit No.: 99-05-TP062

Expiration Date: 12/31/99

Date Paid: 05/20/99

**BUFFALO SEWER AUTHORITY
TEMPORARY DISCHARGE PERMIT**

Permittee: **MARCOR REMEDIATION, INC.**

Location Address: **52 MARWAY CIRCLE, ROCHESTER, NEW YORK, 14624**

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Limit on Rate of Discharge: 12 GALLONS/MINUTE

b. Limits

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Permit No.: 99-05-TP062

ARTICLE 5 PERMITTEE APPROVAL

Official *Steve Stambler* Title *P.M.*
Print Name Print

Signature *[Signature]* Date _____

ARTICLE 6 BUFFALO SEWER AUTHORITY APPROVAL

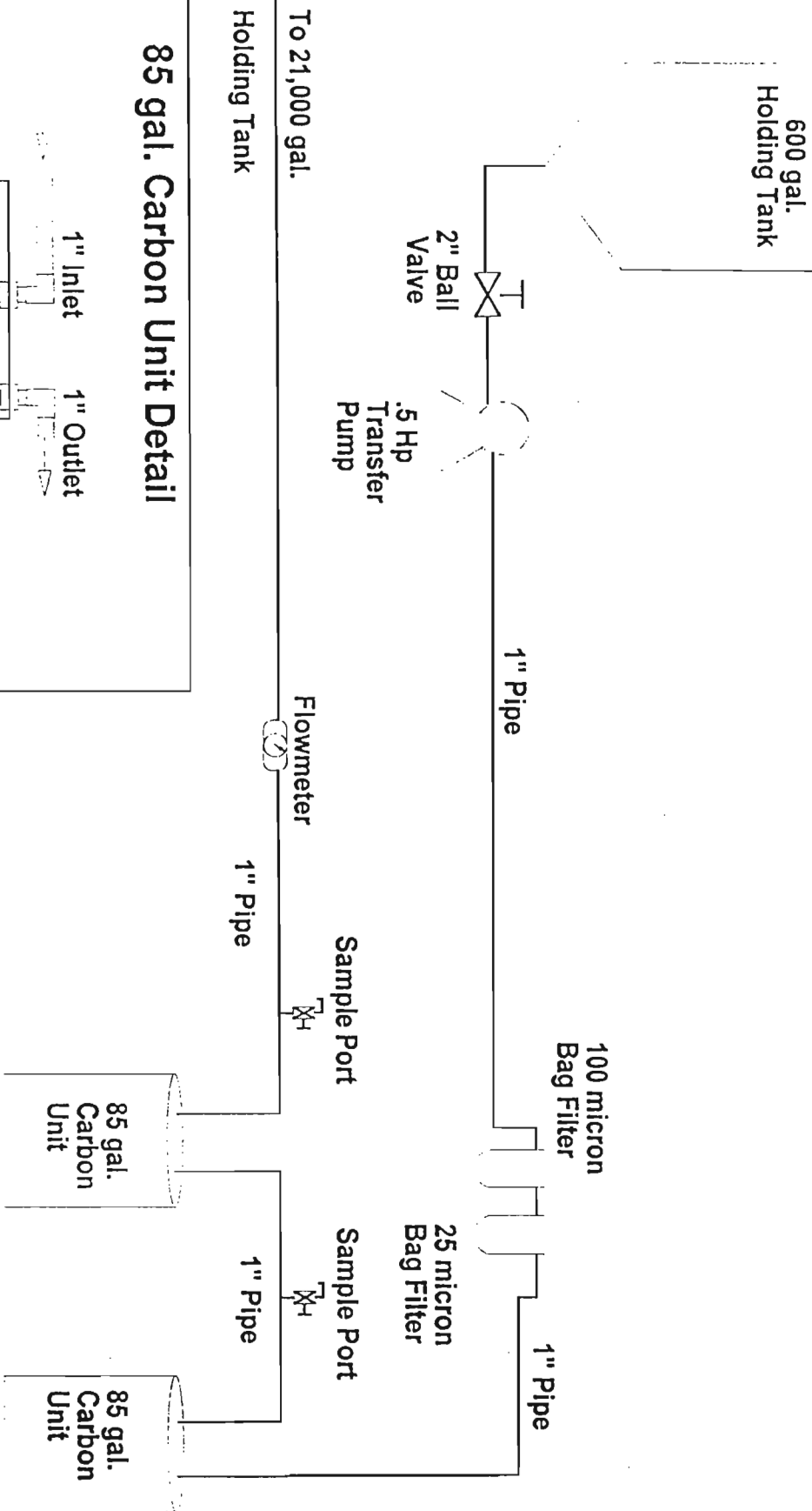
Approved as to Content:

Signature _____ Date _____
Industrial Waste Administrator

Effective this *27th* day of *May*, 19 *99*

[Signature]
General Manager
Buffalo Sewer Authority

cc: Chief Sewer Construction Inspector
Director of Sewer Maintenance



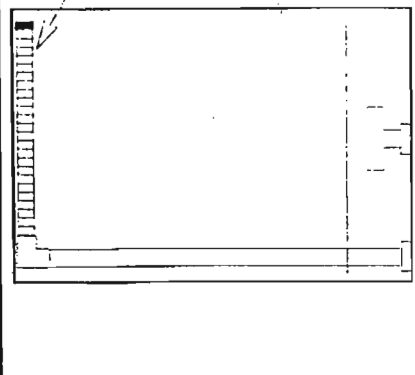
85 gal. Carbon Unit Detail

1" Inlet

1" Outlet

Granulated
Activated
Carbon

1" X 0.020"
Slotted Screen



MARCOR Remediation Inc.

PROJECT NAME

General Electric - 318 Urban Street
Buffalo, NY

MAP TITLE

Water Treatment System
Schematic

SCALE

NTS

JOB#

DATE

January, 1999

DRAFTED BY

DAS

318 Urban Street

Building

Frac Tank

Carbon Filters

Prefilter

Hold Tank

Flowmeter

Discharge

Sewer

Proposed Point of Discharge

Sewer

Fence

Gate

Fence

Fence

Trailer

Storage Box

Urban Street

MARCOR Remediation Inc.

PROJECT NAME

General Electric - 318 Urban Street
Buffalo, NY

MAP TITLE

Site Map

JOB#

DATE

DATE

NTS

City of Buffalo Building Permit
(1999)

RECEIVED
Dames & Moore

JUN 29 1999

*Duplicate
of Submission
11*

MARCOR Remediation, Inc

52 Marway Circle

Rochester, NY 14624

716-247-6955

File#

716-247-6852 (FAX)

800-388-5933

LETTER OF TRANSMITTAL

TO: Dames & Moore
3065 Southwestern Blvd, Suite 202
Orchard Park, New York 14127

DATE:	6/7/99	JOB NO:	RO-02674-001
ATTENTION:	Mr. Pete Smith		
RE:	Submittals		

WE ARE SENDING YOU ☒ Attached ☐ Under separate cover via _____ the following items:

☐ Shop drawings ☐ Prints ☒ Permit ☐ Samples
☐ Copy of letter ☐ Changer Order ☐ Specifications

2	6/7/99	City of Buffalo Permit,

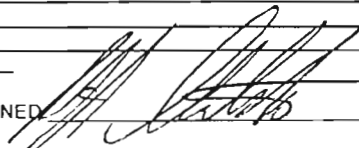
THESE ARE TRANSMITTED as checked below:

☐ For approval	☐ Approved as submitted	☐ Resubmit _____ copies for approval
☒ For review and comment	☐ Approved as noted	☐ Submit _____ copies for distribution
☐ As requested	☐ Returned for corrections	☐ Return _____ correctd prints
☐ FOR BIDS DUE _____	19	

REMARKS

COPY TO

SIGNED



BUILDING PERMIT

**Department of Community Development
Division of Inspections, Licenses, and Permits**

..... BUILDING A BETTER BUFFALO[®]

LOCATION 00318 00000 URBAN

DATE 06-07-1999

OWNER PYRAMID STEEL CORPORATION

ADDRESS 318 URBAN

CONTRACTOR MARCOR REMEDIATION

LICENSE No. 9518

APPLICATION No. 00247619

FEE \$ 2669.70

PERMIT No. 0049663

VALUE 104000.00

SBL No. 1014600003001000

PLANS FILED NO

PROPERTY
CLASS 710

DESCRIPTION OF WORK

BREAK OUT EXISTING CONCRETE FLOOR 75% OF INTERIOR AND REPLACE
NO STRUCTURAL CHANGES TO A 1 STORY BRICK STEEL FABRICATION SHOP.
SLAB ON GRADE

CONDITIONS

AND AS shown on application numbered above, which application is made a part of this permit.

*** ALL GENERAL CONTRACTORS AND SUB-CONTRACTORS MUST CARRY A CITY LICENSE. ***

THIS PERMIT IS VOID IF FOUND TO BE ISSUED IN VIOLATION OF ANY LAW OR ORDINANCE AND CONDITIONS STATED ABOVE.


Commissioner of Community Development

[illegible]

Interior Paint Specifications
(1999)

MARCOR Rremediation, Inc

52 Marway Circle
Rochester, NY 14624

MARCOR
Received
Dames & Moore
Subm. Am
no. 12
JUL 6 1999
716-247-6955
716-247-8852 (FAX)
800-388-5933

LETTER OF TRANSMITTAL

TO: Dames & Moore
3065 Southwestern Boulevard, Suite 202
Orchard Park, New York 14127

DATE:	24-Jun-99	JOB NO.	RO-02674-001
ATTENTION:	Mr. Pete Smith		
RE:	Revised schedule		

WE ARE SENDING YOU ☒ Attached ☐ Under separate cover via _____ the following items:

☐ Shop drawings ☐ Prints ☐ Plans ☐ Samples
☐ Copy of letter ☐ Changer Order ☐ Specifications

2	7/2/99	Revised schedule, 318 Urban street
2	7/2/99	Interior paint alternative

THESE ARE TRANSMITTED as checked below:

☐ For approval	☐ Approved as submitted	☐ Resubmit _____ copies for approval
☐ For review and comment	☐ Approved as noted	☐ Submit _____ copies for distribution
☒ As requested	☐ Returned for corrections	☐ Return _____ correctd prints
☐ FOR BIDS DUE _____	19	

REMARKS _____

COPY TO _____

SIGNED: _____

2.06

(MC-56, E21)

PRODUCT
DATA

INDUSTRIAL ENAMEL

AN ALL-PURPOSE ENAMEL

B54 Series

Industrial Maintenance
Coatings

RECOMMENDED SYSTEMS

- o **Steel (Alkyd Primer)***
1 ct. Kem Kromik Metal Primer, B50N2/B50W1 @ 3 mils DFT
2 cts. Industrial Enamel, B54 Series @ 2 mils DFT/ct.
Total DFT, mils: 7
- * NOTE: Kem Kromik Universal Metal Primer, B50NZ6, B50HZ1 or B50WZ1 are also acceptable.
- o **Steel & Rusty Galvanized (Water Based Primer)**
1 ct. DTM Acrylic Primer/Finish, B66W1 @ 3 mils DFT
2 cts. Industrial Enamel, B54 Series @ 2 mils DFT/ct.
Total DFT, mils: 7
- o **Aluminum**
1 ct. Zinc Chromate Primer, B50Y1 @ 3 mils DFT
2 cts. Industrial Enamel, B54 Series @ 2 mils DFT/ct.
Total DFT, mils: 7
- o **Concrete Block**
1 ct. Heavy Duty Block Filler, B42W46 @ 10 mils DFT
2 cts. Industrial Enamel, B54 Series @ 2 mils DFT/ct.
Total DFT, mils: 14
- o **Concrete Floors**
1 ct. Concrete & Terrazzo Sealer, B44V22
2 cts. Industrial Enamel, B54 Series @ 2 mils DFT/ct.
Total DFT, mils: 4
- o **Galvanized Metal**
1 ct. Galvite, B50W3 @ 2 mils DFT
2 cts. Industrial Enamel, B54 Series @ 2 mils DFT/ct.
Total DFT, mils: 6
- o **Plaster, Interior Poured Concrete Walls**
1 ct. Wall and Wood Primer, B49W2 @ 2 mils DFT
2 cts. Industrial Enamel, B54 Series @ 2 mils DFT/ct.
Total DFT, mils: 6
- o **Drywall**
1 ct. ProMar 200 Interior Latex Wall Primer, B28W200 @ 1.3 mils DFT
2 cts. Industrial Enamel, B54 Series @ 2 mils DFT/ct.
Total DFT, mils: 5.3
- o **Wood (Including floors)**
1 ct. Wood Primer, B49W2 @ 2 mils DFT
2 cts. Industrial Enamel, B54 Series @ 2 mils DFT/ct.
Total DFT, mils: 4

APPLICATION

Mix paint thoroughly by boxing and stirring. Work primer and finish coat by brush into crevices, welds and sharp edges to protect against early failure in these areas.

o **Application Conditions:****Temperature:**

(air, surface, material): 40°-120°F
(at least 5°F above dew point)

Relative Humidity: 85% maximum

- o **Methods:** Brush, roll, conventional and airless spray.

Airless Spray:

Unit: 2500 psi pressure
Tip: .015"
Filter: 100 mesh
Hose: 1/4" I.D.

Conventional Spray:

Gun: DeVilbiss*
JGA-502
Atomization pressure: 50 psi
Fluid pressure: 20-25 psi
Air cap: 704 cap
Fluid nozzle: E tip

* or equivalent equipment

o **Mixing Instructions:**

Mix paint thoroughly by boxing and stirring.

o **Tinting:**

Tint with Blend-A-Color colorant only. Use 75% tint strength pages.

o **Reducer:**

Mineral spirits, R1K4.

o **Reduction:**

Brush, Roller: Full body.
Airless and conventional: Up to 1 pint per gallon as necessary to be compatible with the existing application and environmental conditions.

o **Clean-Up:**

Mineral spirits, following supplier's safety cautions.

PRECAUTIONS

Contents are combustible. Use only with adequate ventilation. To avoid overexposure, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches or dizziness, increase fresh air or wear respiratory protection (TC23C or equivalent) or leave the area.

Avoid contact with skin and eyes. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage.

READ AND FOLLOW WARNING ON LABEL.

DO NOT TAKE INTERNALLY

KEEP OUT OF THE REACH OF CHILDREN

SEE MATERIAL SAFETY DATA SHEET

FOR SHERWIN-WILLIAMS USE

SMIS

Brilliant White	B54W10	617-0104	1's
		617-0112	5's
Pure White	B54W101	7907-99993	1's
		7912-99993	5's
Cedar Green	B54G14	617-0500	1's
Deck Red	B54R15	617-0609	1's
Slate Gray	B54A13	617-0401	1's
Tower Gray	B54A12	617-0302	1's
Midtone Base	B54W102	7926-99993	1's
		7931-99993	5's
Deeptone Base	B54W103	7945-99993	1's
		7950-99993	5's
Ultradeep Base	B54T104	7969-99993	1's
		7974-99993	5's
Black	B54B11	617-0203	1's
		617-0211	5's
Walnut Brown	B54B16	617-0708	1's
Safety Orange	B54E39	617-4056	1's
Safety Red	B54R38	617-4064	1's
Safety Yellow	B54Y37	617-4072	1's



Industrial Maintenance Coatings

PRODUCT
DATA

2.06
(MC-56, E21)

INDUSTRIAL ENAMEL

AN ALL-PURPOSE ENAMEL

B54 Series

PRODUCT DESCRIPTION

INDUSTRIAL ENAMEL is a medium oil alkyd all-purpose enamel with a durable color pigment system. Designed for interior and exterior use.

USES:

- o Exterior/interior all-purpose maintenance enamel
- o Versatile floor paint
- o Safety and pipe marking enamel
- o Economical machinery and equipment finish
- o Interior wall, ceiling and dado enamel
- o A utility enamel for multiple uses:

masonry	dados
equipment	wood and concrete floors
fixtures	railings
conveyors	steel support structures
fire escapes	blowers
window frames	pipe racks
pumps	pipe identification
safety markings	channels & bracing

PERFORMANCE INFORMATION:

- o Dries fast and allows equipment to be placed back in service quickly.
- o Chip and flake resistant.
- o High gloss makes it resistant to dirt.

PHYSICAL PROPERTIES:

- o Abrasion Resistance 180 mg. (ASTM D4060, CS17 wheel, 1000 cycles)
- o Dry Heat Resistance 200°F (ASTM D2485)
- o Elcometer Resistance 290 psi (ASTM D4541)
- o Exterior Durability Good
- o Flexibility Passes (ASTM D522, 180° bend, 3/16" mandrel)
- o Pencil Hardness 3B (ASTM D3363)

RESISTANCE GUIDE:

(Resistance to fumes, splash and spillage - not immersion, ASTM D3912)

- o Aliphatic hydrocarbon solvents, gasoline, kerosene, fuel oil Moderate
- o Alkalies Not Recommended
- o Aromatic hydrocarbon Not Recommended
- o Chlorinated Solvents Moderate
- o Fresh water Moderate
- o Glycol ethers, alcohols, formaldehyde Moderate
- o Inorganic acids Not Recommended
- o Lubricating oils, cutting oils, animal and vegetable fats and oils ... Moderate
- o Oxygenated solvent Not Recommended

CHARACTERISTICS

- o Color/Finish: Wide range of color possible* / Gloss 70 units @ 60°
- * White, black, 9 package colors, 4 bases, safety colors available.

- o Curing Mechanism: Solvent Evaporation/Oxidation
- o Drying Schedule: Temp. & humidity dependent @ 77°F, 50% RH @ 4.6 mils wet:

To touch:	1-2 hours
Tack free:	4-5 hours
To recoat:	8 hours

- o Flash Point: 105°F (Pensky Martens Closed Cup)

- o Packaging: 1 and 5 gallon containers

- o Spreading Rate: wet mils: 4.5-9.0
dry mils: 2.0-4.0
approx. sq.ft./gal.: 175-350

NOTE: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.

- o Spreading Rate Coverage: 700 sq.ft./gal. @ 1.0 mil dry (theoretical, no loss)

- o Shelf Life: 36 months unopened @ 77°F

- o Shipping Classification: 1's (4 gal. case): 301
5's: 302

- o Shipping Weight: 1's (4 gal. case): 41.0 lbs.
5's: 50.0 lbs.

- o VOC: 440 gms/ltr or 3.67 lbs/gal @ 5% red*:
460 gms/ltr or 3.80 lbs/gal @ 10% red*:
475 gms/ltr or 3.93 lbs/gal
* when reduced with mineral spirits.

- o Volume Solids: 44% ± 2%

- o Weight Solids: 61% ± 2%

- o Weight/Gallon: 9.4 ± 1 lbs./gal.

- o Analysis: Pure White (B54W101)

Pigment by weight		31%
Calcium Carbonate	7%	
Titanium Dioxide	24%	
Vehicle by weight		69%
Alkyd Resin	31%	
Aliphatic Solvents	36%	
Additives	2%	
Total	100%	100%

SURFACE PREPARATION

Surface must be dry and in sound condition. Remove oil, dust, dirt, loose rust, peeling paint and other contaminants to ensure good adhesion. For best durability, finish with two coats of Industrial Enamel.

Iron and Steel: For maximum durability of paint system, prepare the steel for painting in accordance with SSPC-SP6 Commercial Blast Cleaning. For general purpose work, surface preparation is Hand Tool Cleaning per SSPC-SP2, or Power Tool Cleaning per SSPC-SP3. Prime with Kem Kromik Metal Primer, B50N2/B50W1, or Kem Kromik Universal Metal Primer, B50NZ6/B50WZ1, the same day as cleaned.

Aluminum: Remove all oil, grease, dirt, oxide and other foreign material by Solvent Cleaning per SSPC-SP1. Prime with Zinc Chromate Primer B50Y1.

Concrete Block: Surface should be thoroughly clean and dry. Surface temperatures must be at least 55°F before filling. Use Heavy Duty Block Filler B42W46. The filler must be thoroughly dry before topcoating, following guidelines on product data page.

Galvanized Metal: Allow to weather a minimum of six months prior to coating. Solvent Clean per SSPC-SP1. When weathering is not possible or the surface has been treated with chromates or silicates, first Solvent Clean per SSPC-SP1 and apply Galvite B50W3 to the area allowing paint to dry one week before testing adhesion. If adhesion is poor, brush blasting is necessary to remove these treatments. Rusty galvanizing requires a minimum of Hand Tool Cleaning per SSPC-SP2. Spot prime these areas as defined under steel.

Masonry: Surface temperature must be 55°F minimum. All masonry must be free of dirt, oil, grease, loose paint, mortar, masonry dust, etc. Poured, troweled, or tilt-up concrete, plaster, mortar, etc. must be thoroughly cured at least 30 days at 75°F. Form release compounds and curing membranes must be removed by brush blasting. Brick must be allowed to weather for one year prior to surface preparation and painting. Weathered masonry and soft or porous cement board must be brush blasted or power tool cleaned to remove loosely adhering contamination and to get to a hard, firm surface. Apply one coat Masonry Conditioner A5V2, following product reduction recommendations.

Wood: Surface must be clean, dry and in sound condition. Prime with Industrial Enamel and paint as soon as possible. Knots and pitch streaks shall be scraped or burned, sanded and spot primed before first coat of Industrial Enamel is applied. All nail hole or small openings shall be properly caulked. Use two coats of Industrial Enamel.

Previously Painted Surfaces: If in sound condition clean the surface of all foreign material. Spot prime bare areas with recommended primer. If paint is peeling or badly weathered, clean surface to sound substrate and treat as a new surface.

Concrete Mixture Specifications
(1999)

RECEIVED
Dames & Moore

JUL 14 1999

MARCOR
Submit
No 13

MARCOR Remediation, Inc

52 Marway Circle

Rochester, NY 14624

716-247-6955

716-247-6852 (FAX)

800-388-5933

File#

LETTER OF TRANSMITTAL

TO: Dames & Moore
3065 Southwestern Boulevard, Suite 202
Orchard Park, New York 14127

DATE:	24-Jun-99	JOB NO:	RO-02674-001
ATTENTION:	Mr. Pete Smith		
RE:			

WE ARE SENDING YOU ☒ Attached ☐ Under separate cover via _____ the following items:

☐ Shop drawings ☐ Prints ☐ Plans ☐ Samples
☐ Copy of letter ☐ Change Order ☐ Specifications

2	7/8/99	Concrete mix specs

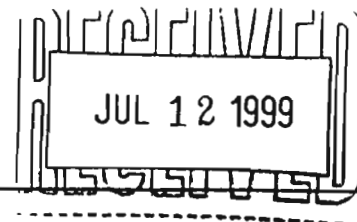
THESE ARE TRANSMITTED as checked below:

☐ For approval ☐ Approved as submitted ☐ Resubmit _____ copies for approval
☒ For review and comment ☐ Approved as noted ☐ Submit _____ copies for distribution
☐ As requested ☐ Returned for corrections ☐ Return _____ corrected prints
☐ FOR BIDS DUE _____ 19 _____

REMARKS

COPY TO

SIGNED: 



July 8, 1999

MARCOR REMEDIATION, INC.
52 Marway Circle
Rochester NY 14624

ATTN: Steve Stockmaster

RE: Submittal -318 Urban St., PO# 21301

J.J. Juliano Construction, Inc. submits for your approval the following concrete mix design. Enclosed, Please find three copies of Riefler Concrete Submittals.

There will be no shop drawings submitted for structural steel. Steel will be cut to length in the field. Reinforcing mats shall be #5 bars placed 12" o.c. e.w. Bottom mat will be supported using concrete brick 1 every 16sf. Top mat will be supported using 1-1/2" Bolsters spaced 4' apart. In areas of 3" concrete, 4x4xW4xW4 WWF shall be used for reinforcement and will be supported using 1-1/2" Bolsters every 4'.

Feel free to contact us if you have any questions.

Respectfully submitted by,
J.J. Juliano Construction, Inc.



Hamburg • Cheektowaga • Tonawanda
Lackawanna • Getzville • Cheektowaga • Cheektowaga

**REDI-MIX
CONCRETE**

**CONCRETE
BLOCK**

**PRECAST
CONCRETE**

May 24, 1999

Mr. Andrew Wascovich
J.J. Juliano Construction Inc.
3788 Broadway
Cheektowaga, New York 14227

Reference: Mix Design Submittal - 318 Urban Street, Buffalo

Mix # 1461 (57S-2-1) 4000 PSI (Quantities / C.Y., S.S.D.)

Area of Use: Slab On Grade

Cement: NYSDOT & ASTM C-150 Type I	517 lbs.
Fine Aggregate: Gernatt Gravel ASTM C-33	1350 lbs.
Coarse Aggregate: Buffalo Crushed Stone	
#1 Crushed Stone ASTM C-33	1044 lbs.
#2 Crushed Stone ASTM C-33	696 lbs.
Total Blend of Coarse Aggregate (ASTM C-33, Size #57)	1740 lbs.

Water: Erie County Water Authority 255.0 lbs

Admixtures:

Air Entraining Agent: ASTM C-260	0 oz./cwt to 3 oz./cwt.
Water Reducer: ASTM C-494 Type A	2 oz./cwt to 4 oz./cwt

Slump: 4" $\pm$ 1"

Air Content: Interior Slab No Air Required/Non-Air Entrained

All slumps and fresh air contents shall be adjusted at the time of batch to conform to those set forth in the job specifications. Listed below are the individual mix constituents and the applicable ASTM designations.

The cement shall meet the criteria of ASTM C-150 Type I, and the New York State Department of Transportation.

The fine aggregate shall meet the criteria of ASTM C-33 and the New York State Department of Transportation and will be supplied by Gernatt Gravel Products Inc. Coarse aggregate shall be supplied by Buffalo Crushed Stone and shall meet the criteria of ASTM C-33 and the New York State Department of Transportation.



**REDI-MIX
CONCRETE**

**CONCRETE
BLOCK**

**PRECAST
CONCRETE**

J.J. Juliano Construction Inc.
May 24, 1999 Page Two

The air-entraining agent shall meet the criteria of ASTM C-260 and the New York State Department of Transportation. The Water reducer shall meet the criteria of ASTM C-494 Type A and the New York State Department of Transportation. All admixtures are certified by the manufacturer to contain less than 0.00015% chloride ions by weight of cement.

All concrete shall be batched and delivered in conformance with guidelines set forth in ASTM C-94 from our New York State Department of Transportation approved batching facilities. Printed invoices shall be furnished with each load of concrete from our computerized controlled plants. ASTM C-494 washwater recovery admixture may be incorporated into some products delivered to this project. This admixture is designed to address Federal and State washout requirements and will not alter the design of the mix.

Referencing ACI and ASTM guidelines, we respectfully request that all concrete testing be performed in strict conformance with stated procedures. These guidelines used for evaluation of concrete strengths incorporate the standard ASTM C-31, "Practice for Making and Curing Concrete Test Specimens in the Field". This standard states that "After molding, the specimens shall be stored in a temperature range between 60 and 80 degrees F. and in a moist environment preventing loss of moisture up to 48 hours". This will require the use of temperature controlled cure boxes and Max.-Min. thermometers to insure proper control. It is also recommended that all personnel involved in testing be ACI certified. Test specimens that are not fabricated and tested in strict conformance with this project stated specifications must not be used for evaluation of concrete strength.

Referencing the ACI Building Code we respectfully request copies of all concrete test reports within three days of testing. Should you have any further questions or need additional information please feel free to contact me at 649-3260 ext. 127.

Sincerely,
Riefler Concrete Products LLC.

Peter J. Armlovich
Technical Services Manager

Encl.
cc: Dispatch
File
PJA/bv



Quality Inspection Services, Inc.

186 Warwick Ave. • P.O. Box 732 • Buffalo, New York 14215-0732

(716) 836-0131 • Fax (716) 836-9608

Visit Us At: www.qisi.com E-Mail: buffalo@qisi.com

Riefler Concrete Products Mix Design

Mix Id. #57S-2-1

Date: 3-8-99

<u>Constituent</u>	<u>Amount Per C.Y.</u>	<u>Material Type/Source</u>
Cement	517 lbs.	Type I/II, ASTM C-150
Fine Aggregate	1350 lbs.	Concrete Sand - ASTM C-33 Gernatt Gravel Products
Coarse Aggregate #1	1044 lbs.	1" Crushed Stone Buffalo Crushed Stone
Coarse Aggregate #2	696 lbs.	2" Crushed Stone Buffalo Crushed Stone
Coarse Aggregate (Total)	1740 lbs.	#1 & #2 Blend Crushed Stone ASTM Size Designation #57
Air Entrainment Agent	1.4 oz./cwt. (Dosage as required)	ASTM C-260
Water Reducing Agent	3.0 oz./cwt. (Range: 2.0 to 4.0)	ASTM C-494, Type A
Water	255 lbs.	Potable Source

Concrete Test Data

Slump	3.75	inches	Air Content	6.0	%
Concrete Temperature	72	°F.	Yield	27.1	cf.
Water Cement Ratio	0.49		Unit Weight	142.7	pcf.

Compressive Strength Data

<u>7 Day</u>	<u>28 Day</u>
	5430 PSI
4400 PSI	5490 PSI
4400 PSI	5480 PSI
4400 PSI - Avg.	5470 PSI - Avg.

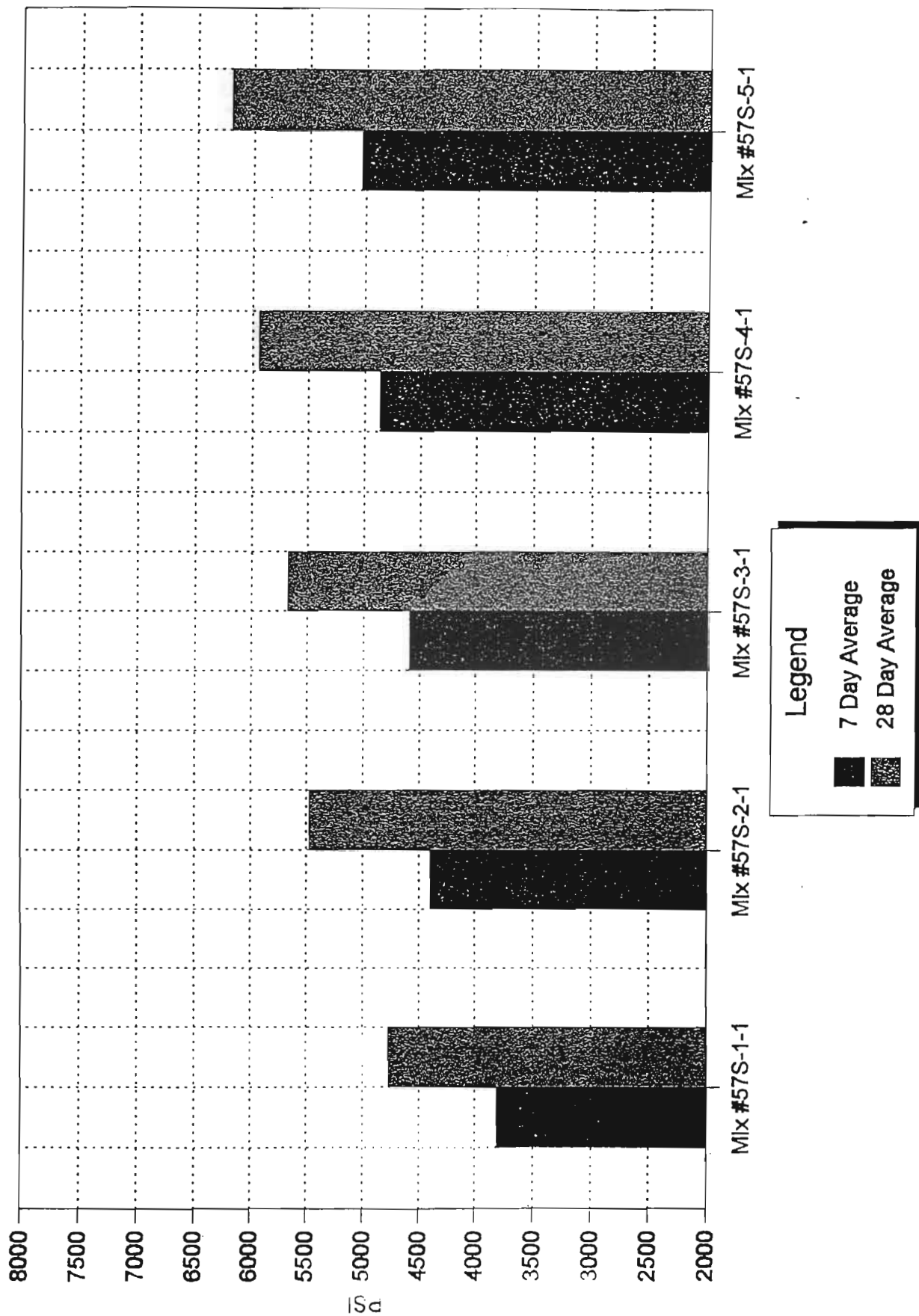


Warren, PA Office
920 Pennsylvania Avenue West
Warren, Pennsylvania 16365
(814) 726-1988 • Fax (814) 726-7850

Sustaining Member

East Syracuse Office
6730 Myers Road
East Syracuse, New York 13057
(315) 431-4291 • Fax (315) 431-4292

Riefler Concrete - Mix Design



U.S. NEW YORK 1-234 . TEL. (716) 532-3371

P.O. BOX 403 COLLINS, NEW YORK 1034 TEL. (716) 532-3371
HOLLOW ROAD
RICHARDSON

Gernatt
Gravel
PRODUCTS, INC.

March 12, 1999

Mr. Peter Armlovich
Riefler Concrete Products, L.L.C.
5690 Camp Road
Hamburg, NY 14075

Re: Fine Aggregate Certification

Mr. Armlovich:

This is to certify that the fine aggregate supplied to your Collins, Hamburg and Gateway plants from our Collins location conforms to the requirements of both ASTM C-33 and the NYSDOT specifications for Item 703-07 Concrete Sand.

Our NYSDOT source number is 5-8F2 and our most recent test number is 98AF126.

Very truly yours,

Gernatt Asphalt Products, Inc.

Bill Schmitz

William Schmitz

V.P., Quality Control and Sales

WS:kg



BUFFALO CRUSHED STONE, INC.
CONSTRUCTION MATERIALS

2544 Clinton St., P.O. Box 710, Buffalo, NY 14224
(716) 826-7310 Fax: (716) 826-1342

January 8, 1998

Mr. Peter Armlovich
Paul Riefler Concrete Products
5690 Camp Rd.
Hamburg, New York 14075

Re: Aggregate Certification

Dear Peter:

We hereby certify that concrete aggregate as produced at our Wehrle Dr. Quarry, NYSDOT Source #5-3R, meets ASTM C33 limits for deleterious material and physical property requirements for coarse aggregate for concrete.

Please call with any further questions or concerns.

Sincerely,

BUFFALO CRUSHED STONE, INC.

John E. Werely
Vice President - Sales

JW/dcm

MB AE 90[®]

Admixture for Entraining Air in Concrete

DESCRIPTION:

MB AE 90 admixture is an air-entraining admixture which meets the requirements of ASTM C 260, AASHTO M 154 and CRD-C 13.

ADVANTAGES OF AIR ENTRAINMENT:

The entrainment of air in concrete results in the following improvements in concrete quality:

- Increased resistance to damage from freezing and thawing
- Increased resistance to scaling from deicing salts
- Reduced permeability—increased watertightness
- Reduced segregation and bleeding
- Improved plasticity and workability
- Improved properties of concrete block, and pipe.

Concrete durability research has established that the best protection for concrete from the adverse effects of freeze/thaw cycles and deicing salts results from: (a) proper air content in the hardened concrete; (b) a suitable air-void system in terms of bubble size and spacing; and (c) adequate concrete strength, assuming the use of sound aggregates and proper mixing, placing, handling and curing techniques.

Control of air content should be based upon determinations made on concrete at the time of placement, following adjustment of the batch to proper consistency (slump). The dosage rate of an air-entraining admixture depends on the air content to be obtained along with many other factors. The amount normally required is reduced by the introduction of a water-reducing, set-controlling admixture.

When unusually low or high amounts of an air-entraining admixture are required to achieve normal ranges of

air content or if the required amount of air-entraining admixture necessary to achieve required levels of air content is observed to change significantly under given conditions, the reason should be investigated. In such cases, it is especially important to determine (a) that a proper amount of air is contained in the fresh concrete at the point of placement; and (b) that a suitable air-void system is being obtained in the hardened concrete.

FEATURES:

Ready to Use—Solution is the proper concentration for rapid, accurate dispensing.

Compatible for Use—MB AE 90 admixture is compatible with concrete containing other admixtures; water-reducers, high-range water-reducers, accelerators, retarders, and water repellents.

The use of MB AE 90 air-entraining admixture with Master Builders water-reducing, set-controlling admixtures forms a desirable combination for producing high-quality normal or lightweight concrete. Heavyweight concrete normally does not contain entrained air.

NOTE: When two or more admixtures are used, each must be added to the mix separately (through dispensers or manually) and must not be mixed with each other prior to adding to the concrete mix.

For optimum, consistent performance, the air-entraining admixture should be dispensed on damp, fine aggregate. When using lightweight fine aggregate, field evaluations should be conducted to determine the best location to dispense the air-entraining admixture—on the damp, fine aggregate or with the initial batch water.



USAGE INFORMATION:

MB AE 90 admixture is a ready-to-use solution. Do not dilute or mix it with any other admixture.

Add MB AE 90 admixture to the concrete mix using a dispenser designed for air-entraining admixtures; or add manually using a suitable measuring device that ensures accuracy within plus or minus 3% of the required amount.

There is no standard dosage rate for MB AE 90 admixture. The exact quantity of air-entraining admixture needed for a given air content of concrete is not predictable because of differences in concrete-making materials. Typical factors which might influence the amount of entrained air are: temperature, cement, sand gradation, sand-aggregate ratio, slump, means of conveying and placing, use of extra fine materials such as fly ash, etc.

The amount of MB AE 90 admixture used will depend upon the amount of entrained air required under actual job conditions. In a trial mix, use 1/4 to 4 fl oz/100 lbs (16 to 260 mL/100 kg) of cement. In mixes containing water-reducing, set-controlling admixtures, the amount of MB AE 90 needed may be somewhat less than the amount required in plain concrete. In mixes requiring a higher or lower dosage to obtain the desired air content, consult your local Master Builders representative.

Measure the air content of the trial mix and either increase

or decrease the quantity of MB AE 90 admixture to obtain the desired air content of the first batch and make further adjustments if needed.

Frequent checks during the course of the work should be made since many factors may require adjustments in the MB AE 90 dosage rate. Adjustments to the dosage should be based on the amount of entrained air in the mix at the point of placement.

TEMPERATURE PRECAUTION:

MB AE 90 admixture should be stored and dispensed at 31°F (-.5°C) or higher. Although freezing does not harm this product, precautions should be taken to protect it from freezing. If it freezes, thaw and reconstitute by mild mechanical agitation. Do not use pressurized air for agitation.

PACKAGING:

MB AE 90 admixture is supplied in 55 U.S. gallon (208 liter) drums and bulk delivery.

CAUTION:

Chemical goggles and gloves are recommended if handling large quantities of material.

For additional information on MB AE 90 admixture or on its use in developing a concrete mixture with special performance characteristics, contact your local Master Builders representative.



Master Builders, Inc.
Admixture Division
23700 Chagrin Boulevard
Cleveland, Ohio 44122-5554
(216) 831-5500
Fax (216) 831-3470

Master Builders Technologies Ltd.
3637 Weston Road
Toronto, Ontario M9L 1W1
800-387-5862
Fax (416) 741-7925

POZZOLITH® 220-N

Concrete admixture



DESCRIPTION:

POZZOLITH 220-N is a ready-to-use, liquid admixture for making more uniform and predictable quality concrete. It meets ASTM C 494 requirements for Type A water-reducing admixtures, specifically:

- Increased strength—compressive and flexural
- Relative durability to damage from freezing and thawing—well above industry standards
- Reduced water content required for a given workability
- Normal-setting characteristics

ADVANTAGES:

Concrete with POZZOLITH 220-N admixture has a setting time comparable to plain concrete while providing the following special qualities:

- Improved workability
- Reduced segregation
- Improved finishing characteristics for flatwork and cast surfaces
- Effective as a singular admixture or as a component in a Master Builders Admixture System

WHERE TO USE:

POZZOLITH 220-N admixture is recommended for use in all concrete where normal-setting characteristics are desired.

As a result of the advantages listed above, this admixture improves pumped concrete, shotcrete (wet mix), and conventionally placed concretes. It improves plain, reinforced, precast, prestressed, lightweight or standard weight concrete.

POZZOLITH 220-N admixture can be used with portland cements approved under AASHTO, ASTM and CRD specifications. The use of POZZOLITH 220-N and a Master Builders air-entraining admixture is recommended whenever concrete is required to withstand freeze/thaw cycles. When used in conjunction with another admixture, each admixture must be dispensed separately into the mix. By itself, POZZOLITH 220-N admixture does not entrain air.

POZZOLITH 220-N admixture will not initiate or promote corrosion of reinforcing steel in concrete. This admixture does not contain intentionally added calcium chloride or chloride-based ingredients. The admixture, due to chlorides originating from all the ingredients used in its manufacture, contributes less than 0.00015% (1.5 ppm) chloride ions by weight of the cement when used at the rate of 1 fl. oz. per 100 lbs. (65 ml per 100 kg) of cement.

POZZOLITH 220-N admixture can be used in white or colored concrete and in architectural concrete.

QUANTITY TO USE:

POZZOLITH 220-N admixture is recommended for use at a rate of 2 to 5 fl ozs per 100 lbs (130 to 325 ml per 100 kg) of cement for most concrete mixes using average concrete ingredients. Because of variations in job conditions and concrete materials, dosage rates other than the recommended amounts may be required. In such cases, contact your local Master Builders representative.

PACKAGING:

POZZOLITH 220-N admixture is supplied in 55 U.S. gallon (208 liter) drums and by bulk delivery.

TEMPERATURE PRECAUTION:

If POZZOLITH 220-N admixture has frozen, thaw at 35°F (2°C) or above and completely reconstitute by mild mechanical agitation.

Do not use pressurized air for agitation.

For additional information on POZZOLITH 220-N admixture or on its use in developing a concrete mix with special performance characteristics, contact your local Master Builders representative.

Master Builders, Inc.

United States
23700 Chagrin Boulevard
Cleveland, Ohio 44122-5554
(800) MBT-9990
Fax (216) 831-6910

Canada
3637 Weston Road
Toronto, Ontario M9L 1W1
(800) 387-5862
Fax (416) 741-7925

Mexico
Blvd. M. Avila Camacho 80
3er Piso, 53390 Naucalpan, México
011-525-557-5544
Fax 011-525-395-7903

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Dames & Moore

JUL 15 1999

MARCOR
Submittal
No. 14

MARCOR Remediation, Inc

52 Marway Circle
Rochester, NY 14624

716-247-6955
716-247-6852 (FAX)
800-388-5933

File# _____

LETTER OF TRANSMITTAL

TO: Dames & Moore
3065 Southwestern Boulevard, Suite 202
Orchard Park, New York 14127

DATE:	14-Jul-99	JOB NO:	RO-02674-001
ATTENTION:	Mr. Pete Smith		
RE:			

WE ARE SENDING YOU ☒ Attached ☐ Under separate cover via _____ the following items:

☐ Shop drawings ☐ Prints ☐ Plans ☐ Samples
☐ Copy of letter ☐ Change Order ☐ Specifications

2	7/14/99	Joint sealer cut sheet

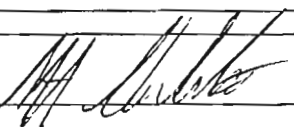
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☐ For approval ☐ Approved as submitted ☐ Resubmit _____ copies for approval
☒ For review and comment ☐ Approved as noted ☐ Submit _____ copies for distribution
☐ As requested ☐ Returned for corrections ☐ Return _____ corrected prints

☐ FOR BIDS DUE _____ 19 ____

REMARKS

COPY TO

SIGNED: 

Technical Data

Typical Properties

Color	Charcoal
Cell structure	Closed
R-value	3.2 (1/0.30)
Test Data	
Thickness, inches	ASTM D 3575 .500
Density (pcf)	ASTM D 3575 Test C 1.7
Compressive strength, psi	ASTM D 3575 Test B
10% deflection	3.5
25% deflection	6.0
50% deflection	15.0
Compressive set, %	ASTM D 3575 Test A <10

Tensile strength, psi	ASTM D 3575 Test E	
Machine direction (strongest)		45.0
Cross machine direction		35.0
Tear strength, lbs./inch	ASTM D 3575 Test D	
Machine direction (strongest)		14.5
Cross machine direction		11.5
Thermal conductivity, (BTU/inch) k-factor	ASTM C 177 & C 518	0.30
Water absorp. (lbs./ft ²)	PPP-C 1752B	0.02
Temperature resistance, °F		-65 to +170
Thermal stability (average), %	ASTM D 3575	-1.0

Order Information

Packaging

Expansion Joint Filler is packaged in 4 foot widths:

- 1/4" by 240' roll (960 ft²/6.35 mm by 73.2 m (89.2 m²))
- 3/8" by 180' roll (720 ft²/9.53 mm by 54.9 m (66.9 m²))
- 1/2" by 120' roll (480 ft²/12.7 mm by 36.6 m (44.6 m²))

- 3/4" by 10'—15 sheets per package (600 ft²/19.05 mm by 3.05 m (55.7 m²))
- 1" by 10'—10 sheets per package (400 ft²/25.4 mm by 3.05 m (37.2 m²))

Coverage

The following table shows the recommended joint widths for various joint spacings. Use a thickness of Expansion Joint Filler that corresponds to the recommended joint width.

Joint Spacing	Joint Width
Ft. (m)	Inches (mm)
10-20 (3-6)	1/4 (6.35)
20-30 (6-9)	3/8 (9.53)
30-50 (9-15)	1/2 (12.7)
50-70 (15-21)	3/4 (19.07)
70-100 (21-30)	1 (25.4)

Customer Service: 1/800/433-9517

Technical Services: 1/800/ChemRex (1/800/243-6739)

Limited Warranty Notice

Every reasonable effort is made to apply ChemRex Inc. exacting standards both in the manufacture of our products and in the information which we issue concerning these products and their use. We warrant our products to be of good quality and will replace or, at our election, refund the purchase price of any products proved defective. Satisfactory results depend not only upon quality products but also upon many factors beyond our control. Therefore, except for such replacement or refund CHEMREX INC. MAKES NO WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY, RESPECTING ITS PRODUCTS, and CHEMREX INC. shall have no other liability with respect thereto. Any claim regarding product defect must be received in writing within one (1) year from the date of shipment. No claim will be considered without such written notice or after the specified time interval. We shall determine the suitability of the products for the intended use. We assume all risks and liability in connection therewith. Any authorized change in the printed recommendations concerning the use of our products must bear the signature of the ChemRex Inc. Technical Manager.



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• SERVICE •

Contractors Supplies & Equipment

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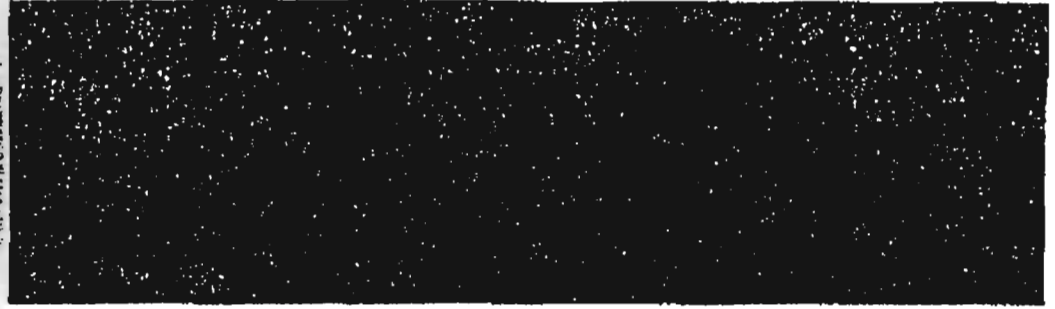
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SINGLE SOURCE RESPONSIBILITY FOR QUALITY BUILDING SYSTEMS

ChemRex Inc.

889 Valley Park Drive, Shakopee, MN 55379

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Pottstown, PA; Fort Wayne, IN; Mattawan, MI; Montreal, QUE.
Regional Warehouses: Chicago, IL; Atlanta, GA; Hayward, CA;
Maspeth, NY; Dallas, TX



- Superior-grade polyethylene closed-cell backing for Sonolastic sealants

EXPANSION-JOINT FILLER

Where to Use

Expansion-Joint Filler

- Expansion-Joints in concrete highways, airport runways, and streets
- As an effective substitute for cane-fiber joint filler
- Concrete paving work, such as driveways, aprons, sidewalks, curbs, and gutters
- Between adjacent constructions, e.g., roadways and buildings, around manholes, drains, and other insets in concrete pavings
- Abutments, piers, retaining walls, and other plain or reinforced concrete structures

Features

- Lightweight and economical
- Resilient
- Closed-cell structure
- Non-impregnated, nonstaining, and nonbleeding
- Inert
- Easy-to-cut
- No bondbreaker required
- Available in a variety of sizes

Benefits

- Less expensive than conventional joint fillers
- Readily accepts joint movement
- Extremely low moisture absorption
- Helps keep moisture from reaching the back side of joint sealants
- Will not discolor sealants or architectural substrates
- Compatible with cold-applied sealants
- Not sticky in summer or brittle in winter
- Easier to work with, installs faster
- Sealants will not adhere to Expansion-Joint Filler
- Better performance in all joint sizes

How to Apply Expansion Joint Filler

Surface Preparation

Before placement of concrete, position Expansion-Joint Filler so that it does not protrude above the surface. For best results, cut and place Expansion-Joint Filler at a depth corresponding to the recommended thickness of the sealant to be installed. This depth

is usually 1/2 the width of the joint. Minimum joint depths are often 1/4" (6.35mm) and the maximum depth for single-component sealants is 1/2" (12.7mm). Refer to the sealant manufacturer's literature for more specific recommendations.

Technical Data

Typical Properties

Color	Charcoal
Cell structure	Closed
R-value	3.3 (1/0.30)
Test Data	
Thickness, inches	ASTM D 3575 .500
Density (pcf)	ASTM D 3575 Test C 1.7
Compressive strength	ASTM D 3575 Test B
10% deflection	3.5
25% deflection	6.0
50% deflection	15.0
Compressive set, %	ASTM D 3575 Test A <10

Tensile strength, psi	ASTM D 3575 Test E
Machine direction (strongest)	45.0
Cross machine direction	35.0
Tear strength, lbs./inch	ASTM D 3575 Test D
Machine direction (strongest)	14.5
Cross machine direction	11.5
Thermal conductivity, BTU/inh. (ft ² /ft ² inch) k-factor	ASTM C 177 & C 518 0.30
Water absorp. (lbs./ft ²)	PPP-C 1752B 0.02
Temperature resistance, °F	-65 to +170
Thermal stability (average), %	ASTM D 3575 -1.0

Order Information

Packaging

Expansion Joint Filler is packaged in 4 foot widths:

- 1/4" by 240' roll (960 ft²/6.35 mm by 73.2 m (89.2 m²))
- 3/8" by 180' roll (720 ft²/9.53 mm by 54.9 m (66.9 m²))
- 1/2" by 120' roll (480 ft²/12.7 mm by 36.6 m (44.6 m²))

- 3/4" by 10'—15 sheets per package (600 ft²/19.05 mm by 3.05 m (55.7 m²))
- 1" by 10'—10 sheets per package (400 ft²/25.4 mm by 3.05 m (37.2 m²))

Coverage

The following table shows the recommended joint widths for various joint spacings. Use a thickness of Expansion Joint Filler that corresponds to the recommended joint width.

Joint Spacing Ft. (m)	Joint Width Inches (mm)
10-20 (3-6)	1/4 (6.35)
20-30 (6-9)	3/8 (9.53)
30-50 (9-15)	1/2 (12.7)
50-70 (15-21)	3/4 (19.07)
70-100 (21-30)	1 (25.4)

Customer Service: 1/800/433-9517

Technical Services: 1/800/ChemRex (1/800/243-6739)

Limited Warranty Notice

Every reasonable effort is made to apply ChemRex Inc. exacting standards both in the manufacture of our products and in the information which we issue concerning these products and their use. We warrant our products to be of good quality and will replace or, at our election, refund the purchase price of any products proved defective. Satisfactory results depend not only upon quality products but also upon many factors beyond our control. Therefore, except for such replacement or refund CHEMREX INC. MAKES NO WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY, RESPECTING ITS PRODUCTS, and CHEMREX INC. shall have no other liability with respect thereto. Any claim regarding product defect must be received in writing within one (1) year from the date of shipment. No claim will be considered without such written notice or after the specified time interval. User shall determine the suitability of the products for the intended use and assume all risks and liability in connection therewith. Any authorized change in the printed recommendations concerning the use of our products must bear the signature of the ChemRex Inc. Technical Manager.



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Sonneborn®

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889 Valley Park Drive, Shakopee, MN 55379

Manufacturing Plants: Chicago, IL; Minneapolis, MN;
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Regional Warehouses: Chicago, IL; Atlanta, GA; Hayward, CA;
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- Superior-grade polyethylene closed-cell backing for Sonolastic sealants

EXPANSION-JOINT FILLER

Where to Use

Expansion-Joint Filler

- Expansion-Joints in concrete highways, airport runways, and streets
- As an effective substitute for cane-fiber joint filler
- Concrete paving work, such as driveways, aprons, sidewalks, curbs, and gutters
- Between adjacent constructions, e.g., roadways and buildings, around manholes, drains, and other insets in concrete pavings
- Abutments, piers, retaining walls, and other plain or reinforced concrete structures

Features

- Lightweight and economical
- Resilient
- Closed-cell structure
- Non-impregnated, nonstaining, and nonbleeding
- Inert
- Easy-to-cut
- No bondbreaker required
- Available in a variety of sizes

Benefits

- Less expensive than conventional joint fillers
- Readily accepts joint movement
- Extremely low moisture absorption
- Helps keep moisture from reaching the back side of joint sealants
- Will not discolor sealants or architectural substrates
- Compatible with cold-applied sealants
- Not sticky in summer or brittle in winter
- Easier to work with, installs faster
- Sealants will not adhere to Expansion-Joint Filler
- Better performance in all joint sizes

How to Apply Expansion Joint Filler

Surface Preparation

Before placement of concrete, position Expansion-Joint Filler so that it does not protrude above the surface. For best results, cut and place Expansion-Joint Filler at a depth corresponding to the recommended thickness of the sealant to be installed. This depth

is usually 1/2 the width of the joint. Minimum joint depths are often 1/4" (6.35mm) and the maximum depth for single-component sealants is 1/2" (12.7mm). Refer to the sealant manufacturer's literature for more specific recommendations.



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JUL 28 1999

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52 Marway Circle
Rochester, NY 14624

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716-247-6852 (FAX)
800-388-5933

LETTER OF TRANSMITTAL

TO: Dames & Moore
3065 Southwestern Boulevard
Suite 202
Orchard Park, New York 14127

DATE:	16-Jul-99	JOB NO:	RO-02674-001
ATTENTION:	Mr. Pete Smith		
RE:	Submittals		

WE ARE SENDING YOU ☒ Attached ☐ Under separate cover via _____ the following items:

☐ Shop drawings ☐ Prints ☐ Plans ☐ Samples ☐ Specifications

☐ Copy of letter ☐ Change Order ☐ Contract

COPIES	DATE	NO.	DESCRIPTION
2	7/26/99		Expansion joint cut sheet
2	7/26/99		Asphalt mix sheet

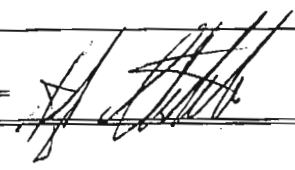
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☐ For approval ☐ Approved as submitted ☐ Resubmit _____ copies for approval
☒ For review and comment ☐ Approved as noted ☐ Submit _____ copies for distribution
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☐ FOR BIDS DUE _____ 19____ PRINTS RETURNED AFTER LOAN TO US

REMARKS

COPY TO

SIGNED: 



TECHNICAL DATA SHEET

Horn

HORNBOARD

Asphalt Impregnated Fiber Expansion Joint Filler

03100
CONCRETE FORMWORK
CONCRETE

1. **DESCRIPTION:** HORNBOARD Asphalt Impregnated Fiber Expansion Filler is composed of tough, resilient, cellulose fibers securely bonded together with a uniform impregnation of bituminous binder and performed into strips or sheets. The material is strong but lightweight; cuts and handles easily; resists breakage. It will not extrude from the joint under normal compression and service temperatures, and does not embrittle in cold weather. Installation is easy; HORNBOARD will not twist, break or deform with ordinary handling. It cuts cleanly, places readily, stays strong and sound through many years of repeated expansion/contraction cycles.

2. **USES:** HORNBOARD is a general, multi-purpose filler for expansion joints in all types of heavy concrete construction. It is specifically engineered for commercial, industrial and public works applications.

3. **COMPOSITION AND MATERIALS:** HORNBOARD is manufactured to provide an expansion joint filler that will conform to the current and future specifications as needed.

Designed to comply with:
AASHTO Spec. M213-81
ASTM Spec. D 1751-83
Fed. Spec. HH-F-341f, Type I
Corps of Engineers Spec. CRD C508-72
FAA Spec. P 501-2.4 & P610-2.7 (1968)

Values presented are typical and not necessarily referenced to create specifications.

4. **SIZES:** HORNBOARD Joint is available in the following sizes:
Thickness: 1/4", 3/8", 1/2", 3/4", 1"
Width: 3" to 48" and 48" slabs
Length: 5 ft. & 10 ft.

5. **CAUTIONS:** HORNBOARD should not be used in conjunction with polysulfide, acrylic or other polymer-base joint sealants.

6. **ENVIRONMENTAL AND SAFETY PRECAUTIONS:** Industrial Use Only. Do not take internally; if ingested, call a physician immediately. Wash hands thoroughly with soap and clean water after handling or before smoking or eating or rubbing eyes. Keep out of reach of children. Consult Material Safety Data Sheet before using this product. **EMERGENCY RESPONSE** PHONE NUMBER: (800) 862-2667 TAMMS or (800) 424-9300 CHEMTRBC.

7. **TECHNICAL SERVICE:** For application procedures or surface conditions not specified above, please contact:

TAMMS INDUSTRIES
3835 State Route 72, Kirkland, IL 60146
800-21-TAMMS FAX: 815-522-2323

WARRANTIES: Seller warrants that the Products do not infringe upon any copyright, patent, or trademark or trade secret, nor violate the proprietary information rights of any third party. Seller warrants that its Products will conform to and perform in accordance with the Products' specifications. **THE FOREGOING WARRANTIES ARE IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THOSE CONCERNING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. LIMITATION ON LIABILITIES:** Because of the difficulty of ascertaining and measuring damages hereunder, it is agreed that, except for claims for bodily injury, Seller's liability to the Buyer or any third party, for any losses or damages, whether direct or otherwise, arising out of the purchase of Product from Seller by Buyer shall not exceed the total amount billed and billable to the Buyer for the Product hereunder. **IN NO EVENT WILL SELLER BE LIABLE FOR ANY LOSS OF PROFITS OR OTHER SPECIAL OR CONSEQUENTIAL DAMAGES, EVEN IF SELLER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.**

TAMMS INDUSTRIES
JULY 1997 (Replaces 7/84)

Tamms

CONCRETE FORMWORK
CONCRETE

03100

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DEPEW NY 14043

716-266-1127

Tamms

TAMMS INDUSTRIES
JULY 1997 (Replaces 7/94)

Tamms

TECHNICAL DATA SHEET

Horn**HORNBOARD****Asphalt Impregnated Fiber Expansion Joint Filler**03100
CONCRETE FORMWORK
CONCRETE

1. **DESCRIPTION:** HORNBOARD Asphalt Impregnated Fiber Expansion Filler is composed of tough, resilient, cellulose fibers securely bonded together with a uniform impregnation of bituminous binder and performed into strips or sheets. The material is strong but lightweight; cuts and handles easily; resists breakage. It will not extrude from the joint under normal compression and service temperatures, and does not embrittle in cold weather. Installation is easy; HORNBOARD will not twist, break or deform with ordinary handling. It cuts cleanly, places readily, stays strong and sound through many years of repeated expansion/contraction cycles.

2. **USES:** HORNBOARD is a general, multi-purpose filler for expansion joints in all types of heavy concrete construction. It is specifically engineered for commercial, industrial and public works applications.

3. **COMPOSITION AND MATERIALS:** HORNBOARD is manufactured to provide an expansion joint filler that will conform to the current and future specifications as needed.

Designed to comply with:
AASHTO Spec. M213-81
ASTM Spec. D 1751-83
Fed. Spec. H H-P-341f, Type I
Corps of Engineers Spec. CRD C508-72
FAA Spec. P 501-2.4 & P610-2.7 (1964)

Values presented are typical and not necessarily referenced to create specifications.

4. **SIZES:** HORNBOARD Joint is available in the following sizes:
Thickness: 1/4", 3/8", 1/2", 3/4", 1"
Width: 3" to 48" and 48" slabs
Length: 5 ft. & 10 ft.

5. **CAUTIONS:** HORNBOARD should not be used in conjunction with polysulfide, acrylic or other polymer-base joint sealants.

6. **ENVIRONMENTAL AND SAFETY PRECAUTIONS:** Industrial Use Only. Do not take internally; if ingested, call a physician immediately. Wash hands thoroughly with soap and clean water after handling or before smoking or eating or rubbing eyes. Keep out of reach of children. Consult Material Safety Data Sheet before using this product. **EMERGENCY RESPONSE PHONE NUMBER:** (800) 862-2667 TAMMS or (800) 424-9300 CHEMTREC.

7. **TECHNICAL SERVICE:** For application procedures or surface conditions not specified above, please contact:

TAMMS INDUSTRIES
3835 State Route 72, Kirkland, IL 60146
800-21-TAMMS FAX: 815-522-2323

WARRANTIES: Seller warrants that the Products do not infringe upon any copyright, patent, or trademark or trade secret, nor violate the proprietary information rights of any third party. Seller warrants that its Products will conform to and perform in accordance with the Products' specifications. **THE FOREGOING WARRANTIES, ARE IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THOSE CONCERNING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. LIMITATION ON LIABILITIES:** Because of the difficulty of ascertaining and measuring damages hereunder, it is agreed that, except for claims for bodily injury, Seller's liability to the Buyer or any third party, for any losses or damages, whether direct or otherwise, arising out of the purchase of Product from Seller by Buyer shall not exceed the total amount billed and billable to the Buyer for the Product hereunder. **IN NO EVENT WILL SELLER BE LIABLE FOR ANY LOSS OF PROFITS OR OTHER SPECIAL OR CONSEQUENTIAL DAMAGES, EVEN IF SELLER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.**

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JULY 1997 (Replaces 7/94)CONCRETE FORMWORK
CONCRETE

03100

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TEL: 800-21-TAMMS

TAMMS INDUSTRIES
JULY 1997 (Replaces 7/94)

Wastewater Treatment Log
(1999)



MARCOR
Submittals
No. 16

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AUG 6 1999

52 Marway Circle
Rochester, NY 14624

File # 716-247-6852
716-247-6852 (FAX)
800-388-5933

LETTER OF TRANSMITTAL

TO: Dames & Moore
3065 Southwestern Boulevard
Suite 202
Orchard Park, New York 14127

DATE:	16-Jul-99	JOB NO:	RO-02674-001
ATTENTION:	Mr. Mark Colmerauer		
RE:	Submittals		

WE ARE SENDING YOU ☒ Attached ☐ Under separate cover via _____ the following items:

☐ Shop drawings ☐ Prints ☐ Plans ☐ Samples ☐ Specifications

☐ Copy of letter ☐ Change Order ☐ Contract

COPIES	DATE	NO.	DESCRIPTION
2	7/5/99		Laboratory results, crushed stone
2	7/5/99		Water treatment log
2	7/5/99		Duct monitoring map and logs
2	7/5/99		Non-Hazardous bills of lading and weight tickets
2	7/5/99		TSCA waste manifests and weight tickets.

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REMARKS

COPY TO _____

SIGNED: [Signature]

WATER TREATMENT LOG:

GE Urban Street Location

Date	Amount	Flow Meter	Total
05/20/99	150g.	865-1088	150g
05/21/99	300g	1088-1369	450g
05/25/99	500g	1369-1758	950g
05/26/99	500g	1758-2186	1450g
05/27/99	550g	2186-2713	2000g
05/28/99	530g	2713-3210	2530g
06/01/99	500g	3210-3693	3030g

WATER TREATMENT LOG: GE Urban Street Location

Date	Amount	Flow Meter	Total
05/20/99	150g.	865-1088	150g
05/21/99	300g	1088-1369	450g
05/25/99	500g	1369-1758	950g
05/26/99	500g	1758-2186	1450g
05/27/99	550g	2186-2713	2000g
05/28/99	530g	2713-3210	2530g
06/01/99	500g	3210-3693	3030g

Asphalt and Concrete Testing Results
(1999)



52 Marway Circle
Rochester, NY 14624

716-247-6955
716-247-6852 (FAX)
800-388-5933

LETTER OF TRANSMITTAL

TO: Dames & Moore
3065 Southwestern Boulevard
Suite 202
Orchard Park, New York 14127

DATE:	16-Jul-99	JOB NO:	RO-02674-001
ATTENTION:	Mr. Mark Colmerauer		
RE:	Submittals		

WE ARE SENDING YOU ☒ Attached ☐ Under separate cover via _____ the following items:

☐ Shop drawings ☐ Prints ☐ Plans ☐ Samples ☐ Specifications

☐ Copy of letter ☐ Change Order ☐ Contract

COPIES	DATE	NO.	DESCRIPTION
2	8/27/99		Bituminous laboratory test report
2	8/27/99		Daily progress report
2	9/1/99		Concrete Test Report
2	9/1/99		Compression Test Report

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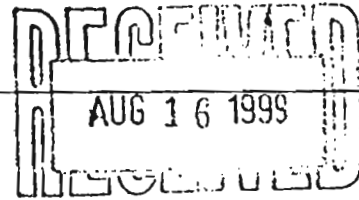
REMARKS

COPY TO _____

SIGNED: Steve Stockmaster

CME Associates, Inc.

Construction Materials Evaluation



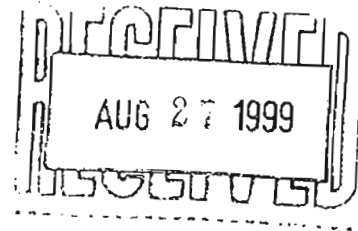
TRANSMITTAL

Date: July 8, 1999

To: Marcor Remediation
120 Elmgrove Park
Rochester, NY 14624

Attn: Mr. Steve Stockmaster

Re: Former GE Site - 318 Urban Street
Buffalo, New York



Gentlemen:

Enclosed you will find. . . .

Number of Copies

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Report Number

6385X-01-0699

6385X-02-0799

Respectfully Submitted:

CME ASSOCIATES, INC.

Ernest W. Kihl
Assistant Branch Manager

EWK/sja

Reviewed by:

CME ASSOCIATES, INC.

Lisa J. Uschold
SET, Level IV

CME Associates, Inc.

Construction Materials Evaluation

BITUMINOUS LABORATORY TEST REPORT

CLIENT: Marcor Remediation

PAGE: 1 of 1

DATE: 06/30/99

PROJECT: Former GE Site - 318 Urban Street

REPORT NO.: 6385X-01-0699

Date Samples Delivered to CME Laboratory: 6-30

Representing Production of:

Type of Sample: T3 Binder

Job Mix Formula:

Sufficient Loose Sample Provided? ☒

Condition of Core Samples:

MAXIMUM THEORETICAL SPECIFIC GRAVITY (ASTM D-2041)

SAMPLE I.D.:	B-1							
LOCATION:	Parking Lot/Alleyway							
Dry Sample in Air (A)	1202.3	1202.7						
Flask & Water (D)	7413.0	7410.6						
Flask, Water & Sample (E)	8119.1	8118.0						
+ D - E	496.2	495.3						
Theoretical Grav. (A/[A+D-E])	2.423	2.428						
Average Gravity	151.2	151.5						

BULK SPECIFIC GRAVITY (ASTM D-2726) @ 25° C & THICKNESS (ASTM D-3549)

Weight in Air (A)				
Weight in Water (C)				
Weight SSD (B)				
Bulk Gravity @ 25° c (A/[B-C])				
Density (pcf) (Bulk x 62.4)				
Thickness (Nearest 1/8 inch)				

PERFORMED BY: M. Trimper

CME Associates, Inc.

Construction Materials Evaluation

BITUMINOUS LABORATORY TEST REPORT

CLIENT: Marcor Remediation

PAGE: 1 of 1

DATE: 07/01/99

PROJECT: Former GE Site - 318 Urban Street

REPORT NO.: 6385X-02-0799

Date Samples Delivered to CME Laboratory: 7-01-99

Representing Production of:

Type of Sample: Type 6 Top

Job Mix Formula:

Sufficient Loose Sample Provided? ☐

Condition of Core Samples:

MAXIMUM THEORETICAL SPECIFIC GRAVITY (ASTM D-2041)

SAMPLE I.D.:	B-2							
LOCATION:	Parking Lot/Alleyway							
Dry Sample in Air (A)	1203.2	1201.9						
Flask & Water (D)	7413.0	7410.6						
Flask, Water & Sample (E)	8098.0	8097.1						
A + D - E	518.2	515.4						
Theoretical Grav. (A/[A+D-E])	2.332	2.332						
Average Gravity	145.5	145.5						

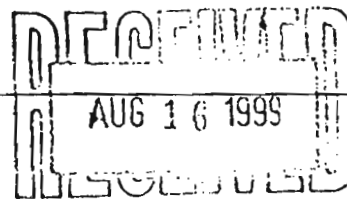
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Weight SSD (B)				
Bulk Gravity @ 25° c (A/[B-C])				
Density (pcf) (Bulk x 62.4)				
Thickness (Nearest 1/8 inch)				

PERFORMED BY: M. Trimper

CME Associates, Inc.

Construction Materials Evaluation



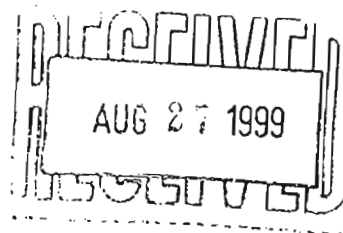
TRANSMITTAL

Date: July 8, 1999

To: Marcor Remediation
120 Elmgrove Park
Rochester, NY 14624

Attn: Mr. Steve Stockmaster

Re: Former GE Site - 318 Urban Street
Buffalo, New York



Gentlemen:

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SET, Level IV

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Construction Materials Evaluation

BITUMINOUS LABORATORY TEST REPORT

CLIENT: Marcor Remediation

PAGE: 1 of 1

DATE: 06/30/99

PROJECT: Former GE Site - 318 Urban Street

REPORT NO.: 6385X-01-0699

Date Samples Delivered to CME Laboratory: 6-30

Representing Production of:

Type of Sample: T3 Binder

Job Mix Formula:

Sufficient Loose Sample Provided? ☒

Condition of Core Samples:

MAXIMUM THEORETICAL SPECIFIC GRAVITY (ASTM D-2041)

SAMPLE I.D.:	B-1						
LOCATION:	Parking Lot/Alleyway						
Dry Sample in Air (A)	1202.3	1202.7					
Flask & Water (D)	7413.0	7410.6					
Flask, Water & Sample (E)	8119.1	8118.0					
A + D - E	496.2	495.3					
Theoretical Grav. (A/[A+D-E])	2.423	2.428					
Average Gravity	151.2	151.5					

BULK SPECIFIC GRAVITY (ASTM D-2726) @ 25° C & THICKNESS (ASTM D-3549)

Weight in Air (A)				
Weight in Water (C)				
Weight SSD (B)				
Bulk Gravity @ 25° c (A/[B-C])				
Density (pcf) (Bulk x 62.4)				
Thickness (Nearest 1/8 inch)				

PERFORMED BY: M. Trimper

CME Associates, Inc.

Construction Materials Evaluation

BITUMINOUS LABORATORY TEST REPORT

CLIENT: Marcor Remediation

PAGE: 1 of 1

DATE: 07/01/99

PROJECT: Former GE Site - 318 Urban Street

REPORT NO.: 6385X-02-0799

Date Samples Delivered to CME Laboratory: 7-01-99

Representing Production of:

Type of Sample: Type 6 Top

Job Mix Formula:

Sufficient Loose Sample Provided? ☐

Condition of Core Samples:

MAXIMUM THEORETICAL SPECIFIC GRAVITY (ASTM D-2041)

SAMPLE I.D.:	B-2							
LOCATION:	Parking Lot/Alleyway							
Dry Sample in Air (A)	1203.2	1201.9						
Flask & Water (D)	7413.0	7410.6						
Flask, Water & Sample (E)	8098.0	8097.1						
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Density (pcf) (Bulk x 62.4)				
Thickness (Nearest 1/8 inch)				

PERFORMED BY: M. Trimper

CME Associates, Inc.

Construction Materials Evaluation

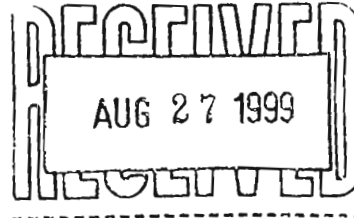
TRANSMITTAL

Date: August 18, 1999

To: Marcor Remediation
52 Marway Circle
Rochester, Ny 14624

Attn: Mr. Steve Stockmaster

Re: Former GE Site - 318 Urban Street
Buffalo, New York



Gentlemen:

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Number of Copies

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Report Number

6385S-04-0799

Respectfully Submitted:

CME ASSOCIATES, INC.

Ernest W. Kihl
Assistant Branch Manager

EWK/keb

Reviewed by:

CME ASSOCIATES, INC.

Lisa J. Uschold
SET, Level IV

CME Associates, Inc.

Construction Materials Evaluation

Page 1 of 2

DAILY PROGRESS REPORT

PROJECT: Marcor Remediation

REPORT NO.: 6385X-04-0799

CLIENT: Former GE Site - 318 Urban Street

REPRESENTATIVE: M. Trimper

DATE: 07/02/99

WEATHER: Overcast

TEMPERATURE: 87-°F

This CME representative was on-site to perform Field Density Tests on the building slab subgrade and on the asphalt concrete on the West Parking Lot and North Alleyway.

The Asphalt concrete pavement section consisted of 2 inch of NYSDOT Type III binder and 2 inch of NYSDOT type six top. Maximum theoretical density was established as an average of the individual theoretical densities of each material. A sample of the top material was returned to CME's Tonawanda Laboratory on this date.

Today's test meet the project specifications on compaction.

BITUMINOUS IN-PLACE FIELD DENSITY TEST REPORT

PROJECT: Former GE Site - 318 Urban Street**DATE:** 07/02/99**CLIENT:** Marcor Remediation**REPORT NO:** 6385X-04-0799**TEST METHOD:** AASHTO**REPRESENTATIVE:** M. Trimper**MATERIAL TYPE & SOURCE:** NYSDOT Type III binder, Type six Top**WEATHER:** Overcast, Humid**TEMPERATURE:** 87°F

REMARKS:

See DPR.

RESULTS:

Test No.	Test Location	Test Elevation	Moisture Content (%)	Optimum Moisture Content (%)	Field Dry Density (pcf)	100% Dry Density (pcf)	Percentage of Compaction Achieved	Percentage of Compaction Required
Parking Lot, Asphalt pavement								
1	NW 1/4	@ FG	-	-	139.2	148.5	93.7	91-98
2	NE 1/4	@ FG	-	-	139.7	148.5	94.1	91-98
3	SE 1/4	@ FG	-	-	144.6	148.5	97.4	91-98
4	SW 1/4	@ FG	-	-	140.5	148.5	94.4	91-98
Alleyway, Asphalt pavement								
5	W 1/2	@ FG	-	-	138.9	148.5	93.5	91-98
6	E 1/2	@FG	-	-	137.6	148.5	92.7	91-98

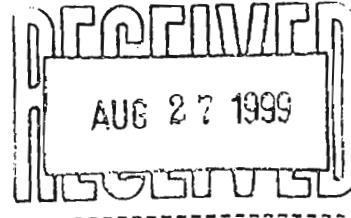
CME Associates, Inc.

Construction Materials Evaluation

TRANSMITTAL

Date: August 18, 1999

To: Marcor Remediation
52 Marway Circle
Rochester, Ny 14624



Attn: Mr. Steve Stockmaster

Re: Former GE Site - 318 Urban Street
Buffalo, New York

Gentlemen:

Enclosed you will find. . . .

Number of Copies

Report Number

1

6385S-04-0799

Respectfully Submitted:

Reviewed by:

CME ASSOCIATES, INC.

CME ASSOCIATES, INC.

A handwritten signature in cursive script, appearing to read "Ernest W. Kihl".

A handwritten signature in cursive script, appearing to read "Lisa J. Uschold".

Ernest W. Kihl
Assistant Branch Manager

Lisa J. Uschold
SET, Level IV

EWK/keb

CME Associates, Inc.

Construction Materials Evaluation

Page 1 of 2

DAILY PROGRESS REPORT

PROJECT: Marcor Remediation

REPORT NO.: 6385X-04-0799

CLIENT: Former GE Site - 318 Urban Street

REPRESENTATIVE: M. Trimper

DATE: 07/02/99

WEATHER: Overcast

TEMPERATURE: 87-°F

This CME representative was on-site to perform Field Density Tests on the building slab subgrade and on the asphalt concrete on the West Parking Lot and North Alleyway.

The Asphalt concrete pavement section consisted of 2 inch of NYSDOT Type III binder and 2 inch of NYSDOT type six top. Maximum theoretical density was established as an average of the individual theoretical densities of each material. A sample of the top material was returned to CME's Tonawanda Laboratory on this date.

Today's test meet the project specifications on compaction.

BITUMINOUS IN-PLACE FIELD DENSITY TEST REPORT

PROJECT: Former GE Site - 318 Urban Street

DATE: 07/02/99

CLIENT: Marcor Remediation

REPORT NO: 6385X-04-0799

TEST METHOD: AASHTO

REPRESENTATIVE: M. Trimper

MATERIAL TYPE & SOURCE: NYSDOT Type III binder, Type six Top

WEATHER: Overcast, Humid

TEMPERATURE: 87°F

REMARKS:

See DPR.

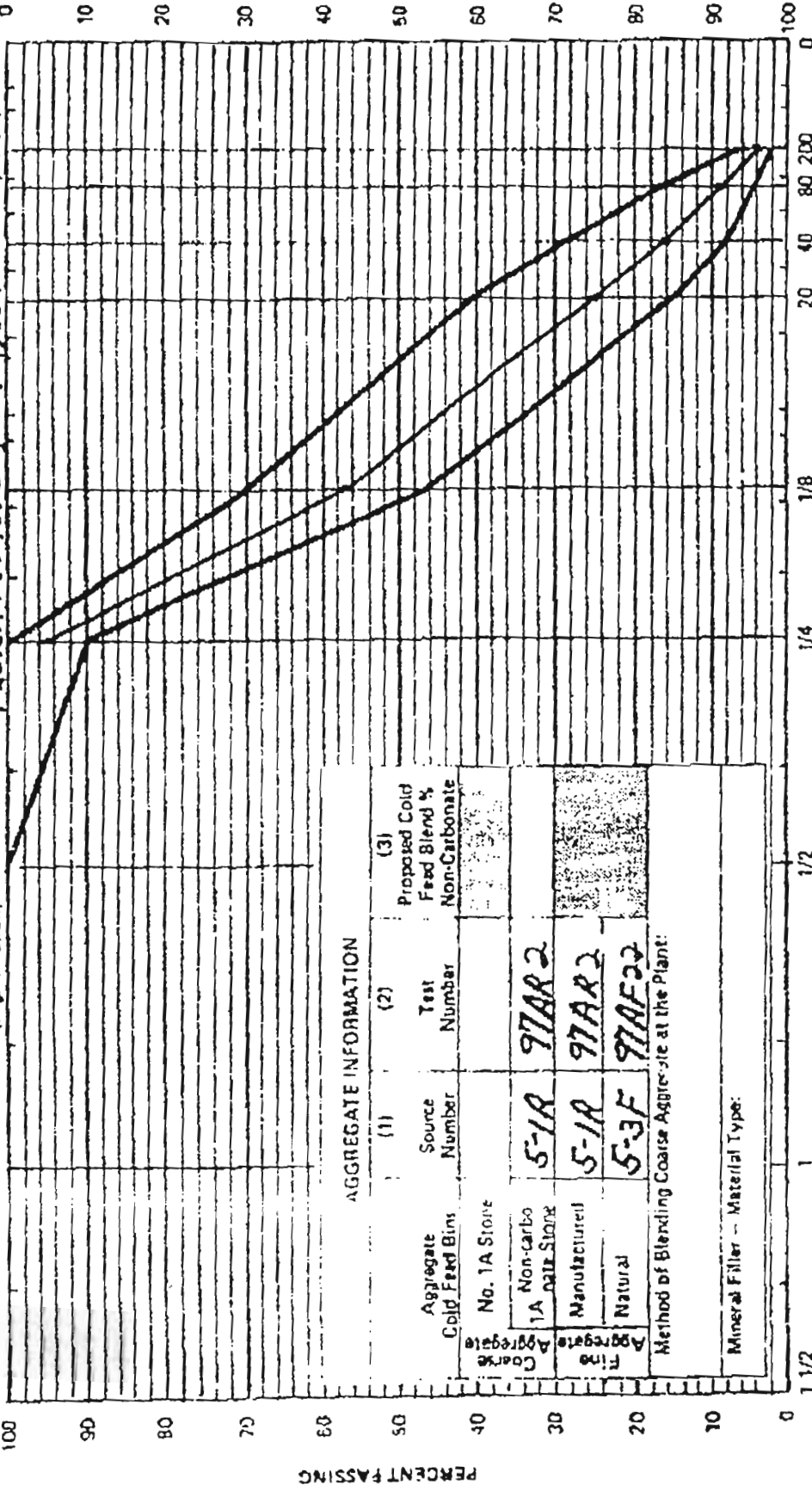
RESULTS:

Test No.	Test Location	Test Elevation	Moisture Content (%)	Optimum Moisture Content (%)	Field Dry Density (pcf)	100% Dry Density (pcf)	Percentage of Compaction Achieved	Percentage of Compaction Required
Parking Lot, Asphalt pavement								
1	NW 1/4	@ FG	-	-	139.2	148.5	93.7	91-98
2	NE 1/4	@ FG	-	-	139.7	148.5	94.1	91-98
3	SE 1/4	@ FG	-	-	144.6	148.5	97.4	91-98
4	SW 1/4	@ FG	-	-	140.5	148.5	94.4	91-98
Alleyway, Asphalt pavement								
5	W 1/2	@ FG	-	-	138.9	148.5	93.5	91-98
6	E 1/2	@ FG	-	-	137.6	148.5	92.7	91-98



NEW YORK STATE
DEPARTMENT OF TRANSPORTATION
MATERIALS BUREAU
JOB MIX FORMULA
Type 7F Top Course ☒
Type 7F Top Course ☒
(High Friction)

Plant Bu F Fale Crushed Stone Pugmills
Plant Location Chack Towaga, N.Y.
Submitted By Nelson, Jada Title Materials
(Submission instructions on back)
Fac. Files 10250, 10096, 10091 1999



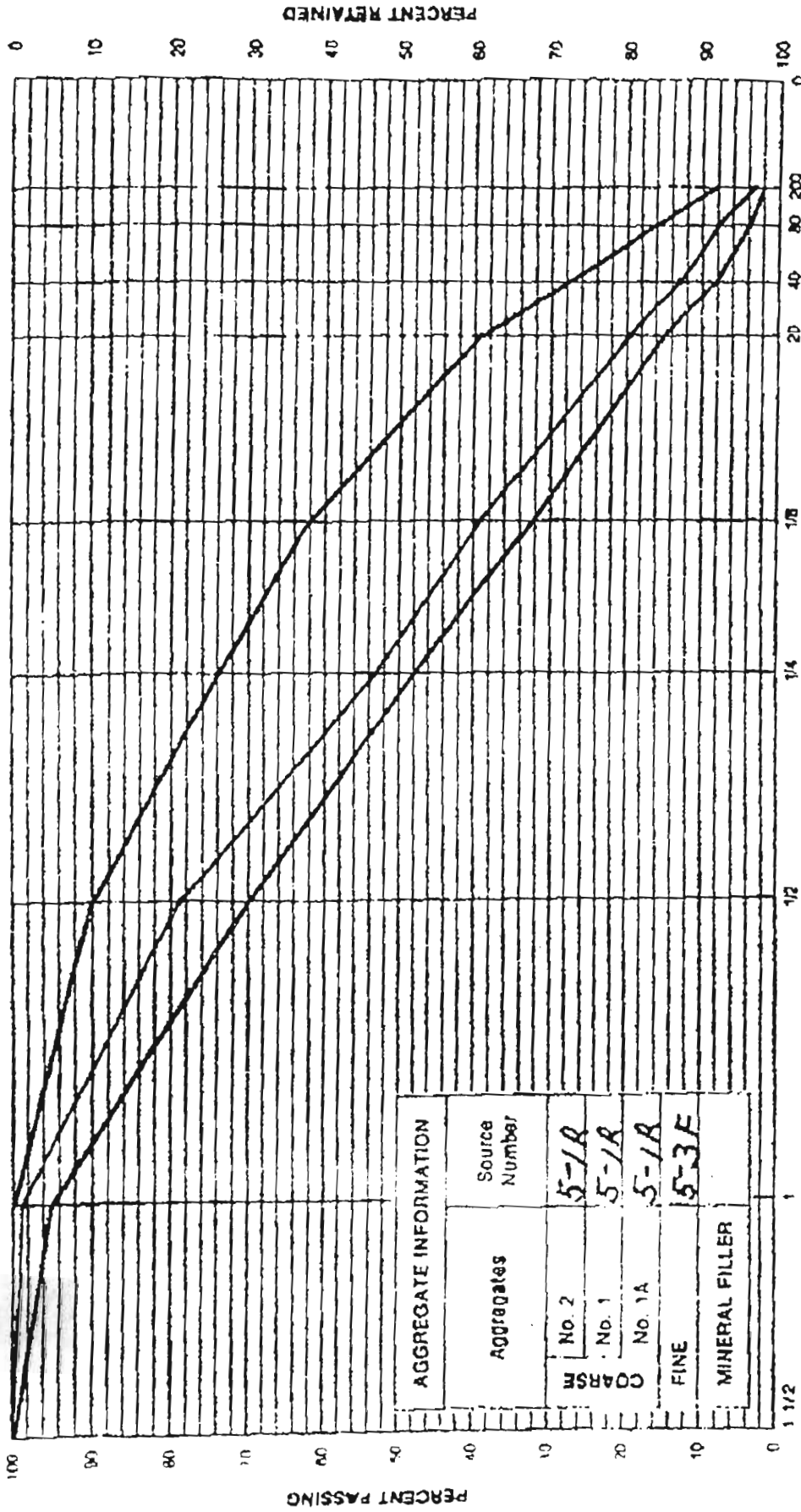
Sieve Size	2"	1 1/2"	1"	3/4"	1/2"	1/4"	3/8"	No. 20	No. 40	No. 80	No. 200	Asphalt Content (Percent)
1. General Limits												6.0-8.0
2. JMF Range								15-40	8-27	4-16	2-6	5.7/6.5
3. Target Value								25	16	9	4	6.1/5.4

Asphalt Grade
A0520
A06922

Notes: Chack Towaga 1A, Fines, Franklinville bit sand

Recommended for Approval _____ Date _____
Deputy Chief Engineer (Technical Services Division)

(SUBMISSION INSTRUCTIONS ON BACK)



AGGREGATE INFORMATION	
Aggregates	Source Number
No. 2	5-1A
No. 1	5-1A
No. 1A	5-1A
FINE	5-3F
MINERAL FILLER	

U.S. STD. SIZES - RAISED TO 0.45 POWER

Sieve Size	2"	1 1/2"	1"	3/4"	1/2"	3/8"	No. 20	No. 40	No. 80	No. 200	Asphalt Content (Percent)
1. Upper Limit	100	100	95-100	48-74	32-52	15-30	15-30	8-22	4-12	2-6	4.5-6.5
2. JMF Range	100	100	95-100	48-74	32-52	15-30	15-30	8-22	4-12	2-6	4.5
3. Target Value	100	100	95	53	39	20	20	13	8	3	4.5

Asphalt Grade	Asphalt Content (Percent)
AC 15, 20	4.5-6.5
PG 64-22	4.5

Approved by Regional Director

Remarks: Check for 2 1/2, 1 1/2, 1 1/4, fines, Franklinville bit sand.

Date February 1, 1978



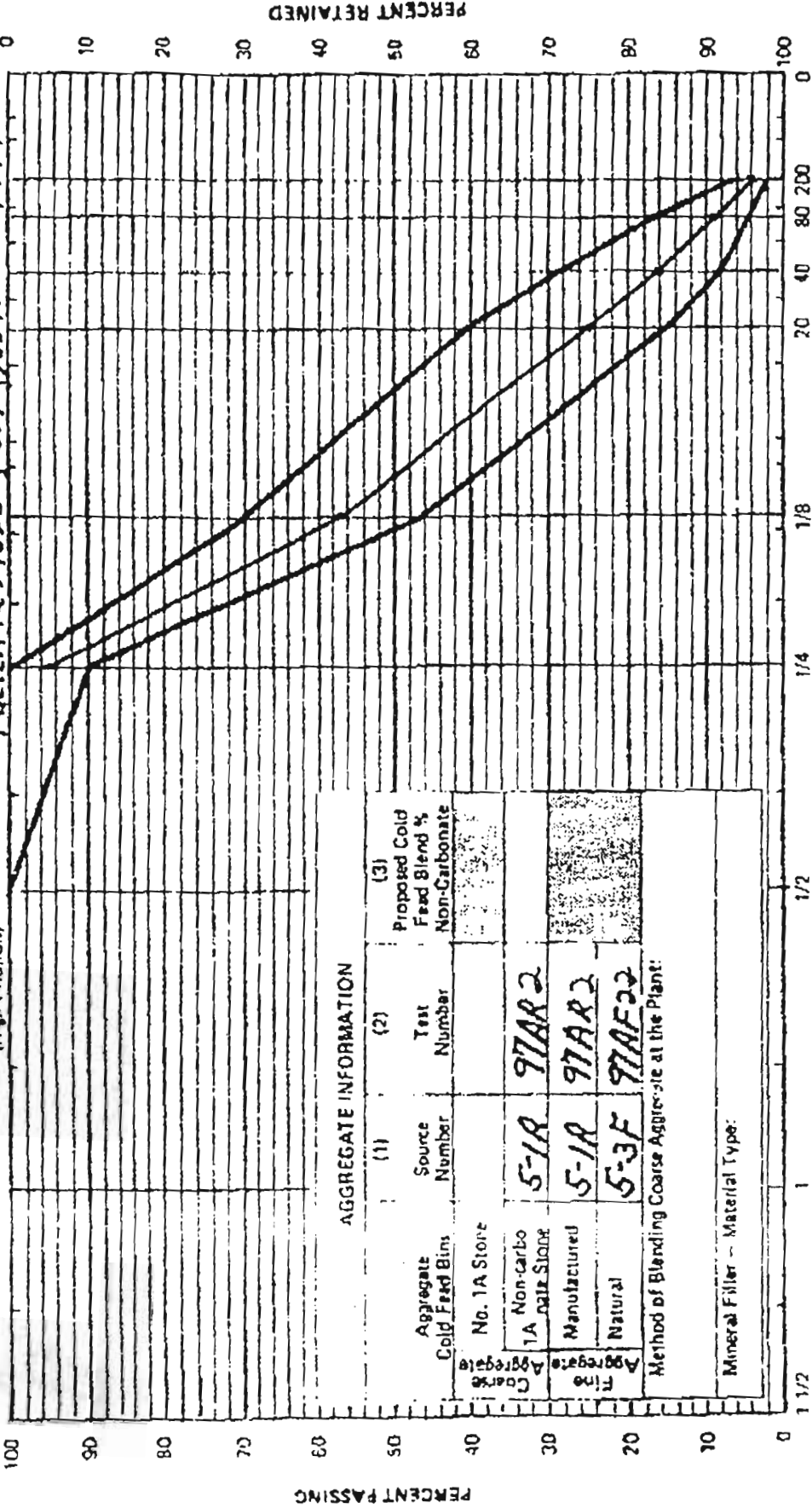
NEW YORK STATE
DEPARTMENT OF TRANSPORTATION
MATERIALS BUREAU
JOB MIX FORMULA

Type 7 Top Course ☒
Type 7F Top Course ☐
(High Friction)

Region 3 Formula No. Bu F Fato Crushed Stone
Plant Check Towaga, N.Y.
Submitted By Nelson, Judo Title Materials

(Submitting instructions on back)

Facile 1-45 10250 10096 10091 1999



U.S. STD. SIZES - RAISED TO 0.45 POWER

Sieve Size	2"	1 1/2"	1"	3/4"	1/2"	1/4"	3/8"	No. 20	No. 40	No. 80	No. 200	Asphalt Content (Percent)
1. General Limits												
2. JMF Range								15-40	8-27	4-16	2-6	6.0-8.0
3. Target Value								18/32	9/16	5/16	2/6	5.7/6.5
								25	16	9	4	6.1/5.4

Asphalt Grade
Ad530
PC64-22

Remarks Check Towaga 1A, Fines, Franklinville bit sand.

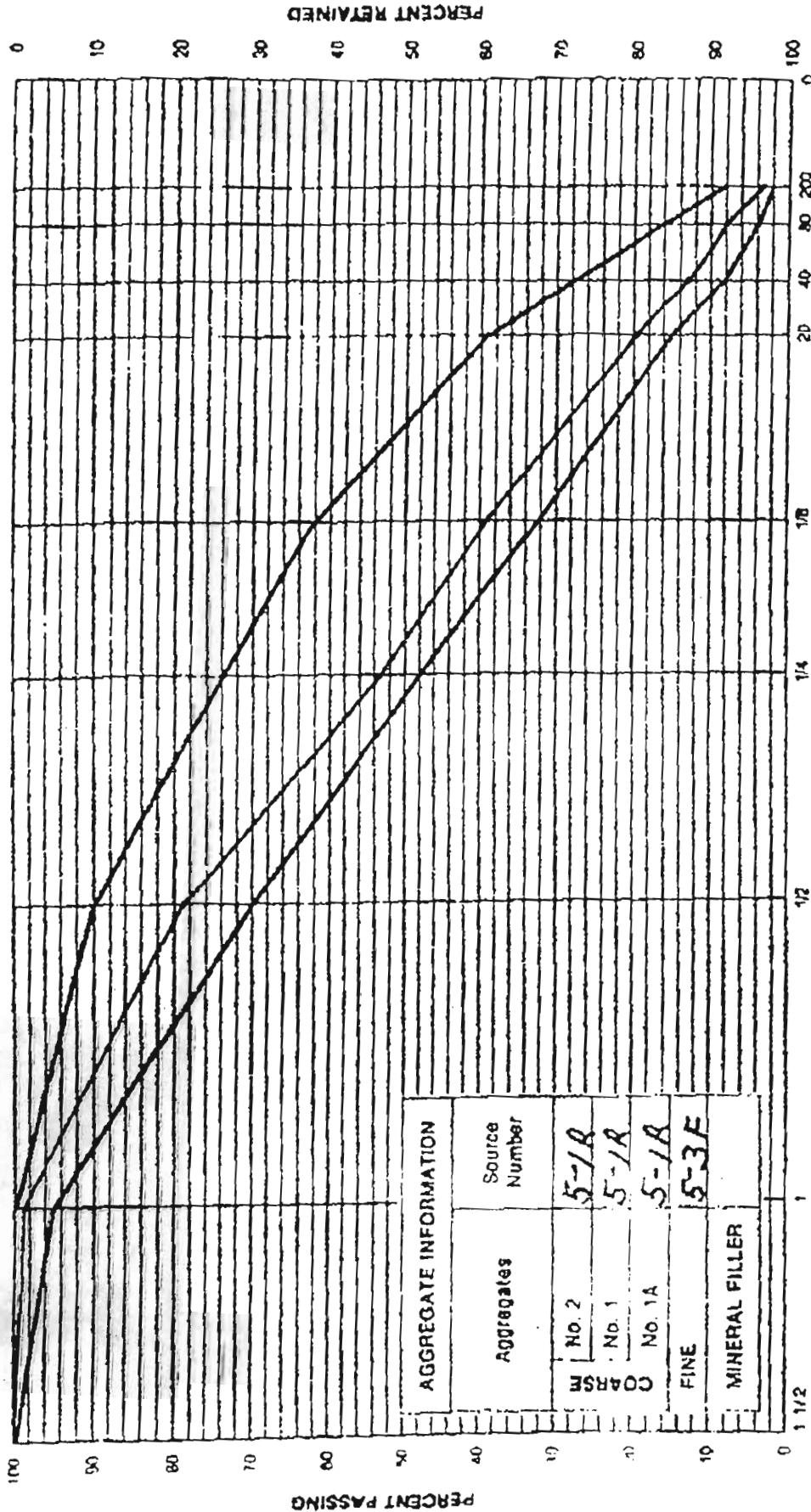
NEW YORK STATE
DEPARTMENT OF TRANSPORTATION
MATERIALS BUREAU
JOB MIX FORMULA
Type 3 Binder (Dense)

Plant Off to Graded Stone, Inc.
Plant Location Chicktowne, N.Y.
Submitted By P. J. D. A.

Region 2

Date February, 1998

(SUBMISSION INSTRUCTIONS ON BACK)



AGGREGATE INFORMATION	
Aggregates	Source Number
No. 2	5-1R
No. 1	5-1R
No. 1A	5-1R
FINE	5-3F
MINERAL FILLER	

U.S. STD. SIZES - RAISED TO 0.43 POWER

Sieve Size	2"	1 1/2"	1"	3/4"	1/2"	3/8"	1/4"	No. 20	No. 40	No. 60	No. 200	Asphalt Content (Percent)
1. General Limits	100	100	100	100	100	100	100	100	100	100	100	4.5-6.5
2. M.F. Range	100	100	100	100	100	100	100	100	100	100	100	4.5
3. Target Value	100	100	100	100	100	100	100	100	100	100	100	4.5

Asphalt Grade	AC 15.20
---------------	----------

Date February, 1998

Approved by Regional Director

Remarks Chicktowne 2 1/2, 1 1/2, 1 1/4, 3/4, 1/2, 3/8, 1/4, 3/16, 1/8, 1/16, 1/32, 1/64, 1/128, 1/256, 1/512, 1/1024, 1/2048, 1/4096, 1/8192, 1/16384, 1/32768, 1/65536, 1/131072, 1/262144, 1/524288, 1/1048576, 1/2097152, 1/4194304, 1/8388608, 1/16777216, 1/33554432, 1/67108864, 1/134217728, 1/268435456, 1/536870912, 1/1073741824, 1/2147483648, 1/4294967296, 1/8589934592, 1/17179869184, 1/34359738368, 1/68719476736, 1/137438953472, 1/274877906944, 1/549755813888, 1/1099511627776, 1/2199023255552, 1/4398046511104, 1/8796093022208, 1/17592186044416, 1/35184372088832, 1/70368744177664, 1/140737488355328, 1/281474976710656, 1/562949953421312, 1/1125899906842624, 1/2251799813685248, 1/4503599627370496, 1/9007199254740992, 1/18014398509481984, 1/36028797018963968, 1/72057594037927936, 1/144115188075855872, 1/288230376151711744, 1/576460752303423488, 1/1152921504606846976, 1/2305843009213693952, 1/4611686018427387904, 1/9223372036854775808, 1/18446744073709551616, 1/36893488147419103232, 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CME Associates, Inc.

Construction Materials Evaluation

TRANSMITTAL

Date: July 14, 1999

To: Marcor Remediation
120 Elmgrove Park
Rochester, NY 14624

Attn: Mr. Steve Stockmaster

Re: Former GE Site - 318 Urban Street
Buffalo, New York

Gentlemen:

Enclosed you will find. . . .

<u>Number of Copies</u>	<u>Report Number</u>
1	6385S-01-0699

Respectfully Submitted:

CME ASSOCIATES, INC.



Ernest W. Kihl
Assistant Branch Manager

EWK/sja

Reviewed by:

CME ASSOCIATES, INC.



Lisa J. Uschold
SET, Level IV

CME Associates, Inc.

MATERIALS TESTING DIVISION

FORM S-3

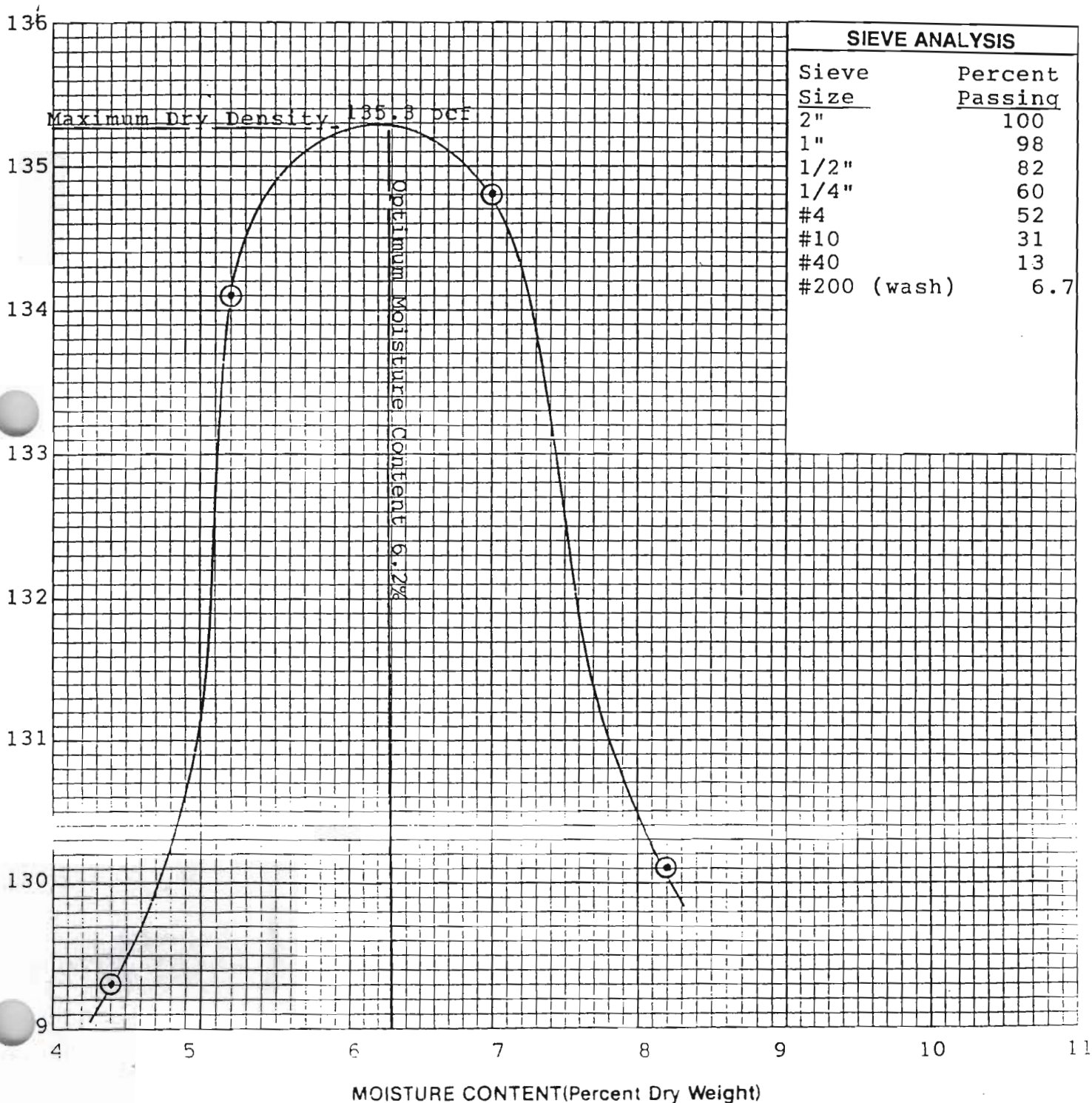
TEST: Marcor Remediation PROJECT: Former GE Site-318 Urban St.

REPORT NO. 6385S-01-0699 SAMPLE NO. BL1355 DATE PICKED UP 6-30-99

SAMPLE LOCATION: Buffalo Crushed Stone - Como Pit

SOIL CLASSIFICATION: Grey 2" minus Run-of-Crush - Limestone

MOISTURE-DENSITY RELATIONSHIP CURVE



MAXIMUM DRY DENSITY: 135.3 pcf

OPTIMUM MOISTURE CONTENT 6.2 %

TESTED IN ACCORDANCE WITH ASTM D1557 ☒ ASTM D698 ☐ MIL STD 621 ☐ CE ☐

CME Associates, Inc.

Construction Materials Evaluation

TRANSMITTAL

Date: July 14, 1999

To: Marcor Remediation
120 Elmgrove Park
Rochester, NY 14624

Attn: Mr. Steve Stockmaster

Re: Former GE Site - 318 Urban Street
Buffalo, New York

Gentlemen:

Enclosed you will find. . . .

Number of Copies

1

Report Number

6385S-01-0699

Respectfully Submitted:

CME ASSOCIATES, INC.



Ernest W. Kihl
Assistant Branch Manager

EWK/sja

Reviewed by:

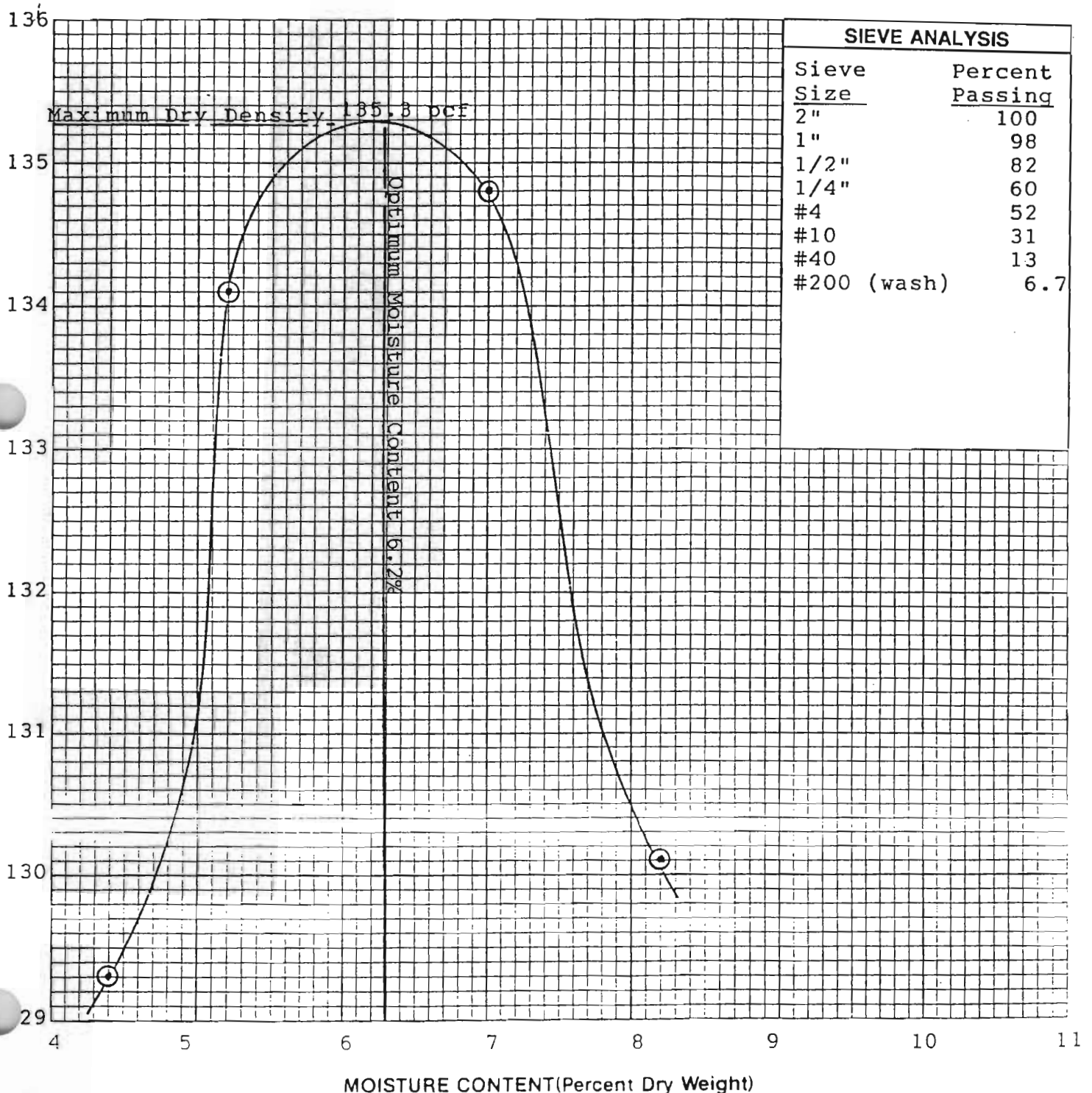
CME ASSOCIATES, INC.



Lisa J. Uschold
SET, Level IV

CME Associates, Inc.**MATERIALS TESTING DIVISION**

FORM S-3

CLIENT: Marcor Remediation PROJECT: Former GE Site-318 Urban St.REPORT NO. 6385S-01-0699 SAMPLE NO. BL1355 DATE PICKED UP 6-30-99SAMPLE LOCATION: Buffalo Crushed Stone - Como PitSOIL CLASSIFICATION: Grey 2" minus Run-of-Crush - Limestone**MOISTURE-DENSITY RELATIONSHIP CURVE**MAXIMUM DRY DENSITY 135.3 pcfOPTIMUM MOISTURE CONTENT 6.2 %TESTED IN ACCORDANCE WITH ASTM D1557 ☒ASTM D698 ☐MIL STD 621 ☐ CE ☐



RECEIVED
Dames & Moore

SEP 16 1999

~~FILED~~

52 Marway Circle
Rochester, NY 14624

716-247-6955
716-247-6852 (FAX)
800-388-5933

LETTER OF TRANSMITTAL

TO: Dames & Moore
3065 Southwestern Boulevard
Suite 202
Orchard Park, New York 14127

DATE:	14-Sep-99	JOB NO:	RO-02674-001
ATTENTION:	Mr. Mark Colmerauer		
RE:	Submittals		

WE ARE SENDING YOU ☒ Attached ☐ Under separate cover via _____ the following items:

☐ Shop drawings ☐ Prints ☐ Plans ☐ Samples ☐ Specifications

☐ Copy of letter ☐ Change Order ☐ Contract

COPIES	DATE	NO.	DESCRIPTION
2	9/14/99		Revised test results for concrete

THESE ARE TRANSMITTED as checked below:

☐ For approval ☐ Approved as submitted ☐ Resubmit _____ copies for approval
☒ For review and comment ☐ Approved as noted ☐ Submit _____ copies for distribution
☐ As requested ☐ Returned for corrections ☐ Return _____ corrected prints

☐ FOR BIDS DUE _____ 19____ ☐ PRINTS RETURNED AFTER LOAN TO US

REMARKS

COPY TO

SIGNED: _____

CME Associates, Inc.

Construction Materials Evaluation

TRANSMITTAL

Date: September 3, 1999

To: Marcor Remediation, Inc.
120 Elmgrove Park
Rochester, NY 14624

Attn: Mr. Steve Stockmaster

Re: Former GE Site, 318 Urban St.
Buffalo, New York

Gentlemen:

These reports were revised to make changes to the suppliers mix information and other typo graphical errors. We apologize for any inconvenience.

<u>Number of Copies</u>	<u>Report Number</u>
1	6385C-01R-0799 6385C-02R-0799

Respectfully Submitted:

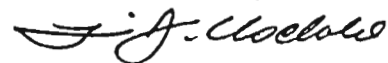
Reviewed by:

CME ASSOCIATES, INC.

CME ASSOCIATES, INC.

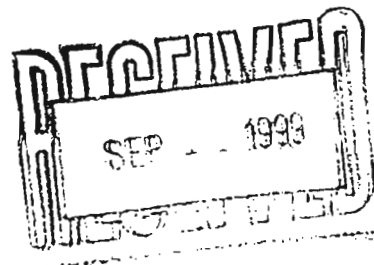


Ernest W. Kihl
Assistant Branch Manager



Lisa J. Uschold
SET, Level IV

EWK/keb



CME Associates, Inc.

Construction Materials Evaluation

COMPRESSION TEST REPORT- CONCRETE INSPECTORS REPORT

CLIENT: Marcor Remediation	PAGE: 1 of 2	DATE: 07/27/99
PROJECT: Former GE Site - 318 Urban Street		REPORT NO: 6385C-01R-0799
CONTRACTOR: Juliano Construction		INSPECTOR: M. Hunter
PLACEMENT LOCATION: North Interior slab		
REQUIRED STRENGTH AT 28 DAYS: 4000 psi	MAX. W/C: 0.45	PRODUCER: Riefler Concrete
WEIGHT PER CU YD (LBS.) CEMENT: 517	FINE AGG: 1378	COARSE AGG: #1 1069 #2 720
CEMENT BRAND AND TYPE: Lafarge type II	F.A SOURCE: Gernatt Gravel	C.A. SOURCE: Buffalo Crushed Stone
AEA: Non-air entrained	ADMIXTURE: -	WATER (Gal): 39.0
OTHER ADMIX:		AIR TEMP: (Inside): - °F
MIX DATA OBTAINED FROM THE: Batch ticket	MOISTURE CONTENT %: 4.5	AIR TEMP. (Outside): - °F
SUPPLIER MIX NO.: 1461	ABSORPTION %: -	CORRECT PROPORTIONS BATCHED?: NV

COMPRESSION TEST REPORT - 6"x12" CONCRETE CYLINDER

CYL I.D.	SAMPLE TIME	TRUCK NO.	SLUMP (in.)	AIR CONTENT %	UNIT WEIGHT (pcf)	DAYS FIELD CURE	DAYS LAB CURE	DATE IN LAB	AGE AT TEST	DATE TESTED	TOTAL LOAD (lbs.)	DIAMETER (in.)	CROSS SECTION (sq.in.)	UNIT LOAD (psi)	TYPE OF FRACTURE
AA-1	08:40	18	6 3/4	1.3	148.7	1	6	07/28	7	08/03	115,020	6.000	28.27	4,070	b
AA-2						1	27	07/28	28	08/24	154,080	6.000	28.27	5,450	b
AA-3						1	27	07/28	28	08/24	152,880	6.000	28.27	5,410	b
AA-4						1	55	07/28	56						
AA-5	10:15	74	6 3/4	1.3	148.3	1	6	07/28	7	08/03	105,260	6.000	28.27	3,720	b
AA-6						1	27	07/28	28	08/24	136,680	6.000	28.27	4,830	b
AA-7						1	27	07/28	28	08/24	132,150	6.000	28.27	4,670	b
AA-8						1	55	07/28	56						

Test Specimens represent this exact location placed: (AA1-AA4) 3rd Column from North West corner north wall. (AA5-AA8) 5th Column Line from NW corner North wall.

CONCRETE INSPECTORS REPORT

TRUCK ARRIVAL TIME	TRUCK #	AIR CONTENT %	SLUMP (in.)	TEMP. (° F)	VOLUME (c.y.)	WATER IN TRUCK* AT PLANT	WATER IN TRUCK* IN FIELD	FREE WATER IN AGG* SAND	FREE WATER IN AGG* STONE	WATER*	UNIT WEIGHT (pcf)
07:20	85	-	-	-	9.0	27.8	0.0	7.3	0.0	35.1	-
07:30	21	-	-	-	9.0	26.8	0.0	7.4	0.0	34.2	-
07:50	60	-	-	-	9.0	28.8	0.0	7.3	0.0	36.1	-
08:10	74	-	-	-	9.0	28.9	0.0	7.3	0.0	36.2	-
08:20	18	1.3	6 3/4	80	9.0	27.2	0.0	7.3	0.0	34.5	148.7
08:35	8	-	-	-	9.0	27.3	0.0	7.3	0.0	34.6	-
08:50	40	-	-	-	8.0	26.1	0.0	7.4	0.0	33.5	-
09:00	70	-	-	-	9.0	26.1	0.0	7.3	0.0	33.4	-
09:10	85	1.5	7	82	9.0	27.4	0.0	7.3	0.0	34.7	-
09:25	21	-	-	-	9.0	27.4	0.0	7.4	0.0	34.8	-
09:35	60	-	-	-	9.0	25.6	0.0	7.5	0.0	33.1	-
09:50	74	1.3	6 3/4	82	9.0	24.7	0.0	7.5	0.0	32.2	148.3

REMARKS: Cylinders were fabricated as per the clients instructions. The client was informed of today's test results. The moisture content was provided by the supplier.

TOTAL CONCRETE PLACED: 205 C.Y. WINTERIZED CONCRETE: -
CONCRETE REJECTED: - C.Y. * RECORDED IN GAL./C.Y.

TYPES OF FRACTURES



(a)



(b)



(c)



(d)



(e)

THE ABOVE SAMPLES WERE TESTED IN ACCORDANCE WITH ASTM C-172, C-143, C-138, C-231, C-173, C-31, C-1064 AND C-39.

CME Associates, Inc.

Construction Materials Evaluation

COMPRESSION TEST REPORT- CONCRETE INSPECTORS REPORT

CLIENT: Marcor Remediation	PAGE: 2 of 2	DATE: 07/27/99
PROJECT: Former GE Site - 318 Urban Street		REPORT NO: 6385C-01R-0799
CONTRACTOR: Juliano Construction		INSPECTOR: M. Hunter
PLACEMENT LOCATION: North Interior slab		
REQUIRED STRENGTH AT 28 DAYS: 4000 psi	MAX. W/C: 0.45	PRODUCER: Riefler Concrete
WEIGHT PER CU YD (LBS.) CEMENT: 517	FINE AGG: 1378	COARSE AGG: #1 1069 #2 720
CEMENT BRAND AND TYPE: Lafarge type II	F.A SOURCE: Gernatt Gravel	C.A. SOURCE: Buffalo Crushed Stone
AEA: Non-air-entrained	ADMIXTURE: -	WATER (Gal): 39.0
OTHER ADMIX:		AIR TEMP: (Inside): - °F
MIX DATA OBTAINED FROM THE: Batch ticket	MOISTURE CONTENT %: 4.5 -	AIR TEMP. (Outside): - °F
SUPPLIER MIX NO.: 1461	ABSORPTION %: - -	CORRECT PROPORTIONS BATCHED?: NV

COMPRESSION TEST REPORT - 6"x12" CONCRETE CYLINDER

CYL ID.	SAMPLE TIME	TRUCK NO.	SLUMP (in.)	AIR CONTENT %	UNIT WEIGHT (pcf)	DAYS FIELD CURE	DAYS LAB CURE	DATE IN LAB	AGE AT TEST	DATE TESTED	TOTAL LOAD (lbs.)	DIAMETER (in.)	CROSS SECTION (sq.in.)	UNIT LOAD (psi)	TYPE OF FRACTURE
AA-9	11:30	14	6 1/4	1.1	148.8	1	6	07/28	7	08/03	104,980	6.000	28.27	3,710	b
AA-10						1	27	07/28	28	08/24	153,540	6.000	28.27	5,430	b
AA-11						1	27	07/28	28	08/24	160,280	6.000	28.27	5,670	b
AA-12						1	55	07/28	56						
AA-13	12:45	70	6 1/2	1.1	148.3	1	6	07/28	7	08/03	100,600	6.000	28.27	3,560	b
AA-14						1	27	07/28	28	08/24	149,810	6.000	28.27	5,300	b
AA-15						1	27	07/28	28	08/24	155,500	6.000	28.27	5,500	b
AA-16						1	55	07/28	56						

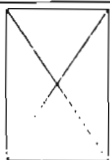
Test Specimens represent this exact location placed: (AA9-AA12) 6th Column Line 10ft from North wall. (AA13-AA16) 8th Column Line 25ft from North wall.

CONCRETE INSPECTORS REPORT

TRUCK ARRIVAL TIME	TRUCK #	AIR CONTENT %	SLUMP (in.)	TEMP. (° F)	VOLUME (c.y.)	WATER IN TRUCK* AT PLANT	WATER IN TRUCK* IN FIELD	FREE WATER IN AGG* SAND	FREE WATER IN AGG* STONE	WATER*	UNIT WEIGHT (pcf)
10:10	18	-	-	-	9.0	23.7	0.0	7.5	0.0	31.2	-
10:20	8	-	-	-	9.0	23.9	0.0	7.5	0.0	31.4	-
10:30	40	1.2	7 1/4	82	9.0	25.4	0.0	7.5	0.0	32.9	-
10:45	70	-	-	-	9.0	26.2	0.0	7.6	0.0	33.8	-
11:00	21	-	-	-	9.0	23.9	0.0	7.5	0.0	31.4	-
11:15	14	1.1	6 1/4	83	9.0	27.3	0.0	7.5	0.0	34.8	148.8
11:30	60	-	-	-	9.0	25.7	0.0	7.5	0.0	33.2	-
11:45	74	-	-	-	9.0	25.9	0.0	7.6	0.0	33.5	-
12:05	18	1.2	7 1/4	82	9.0	25.4	0.0	7.5	0.0	32.9	-
12:20	8	-	-	-	9.0	24.2	0.0	7.5	0.0	31.7	-
12:30	70	1.1	6 1/2	83	9.0	27.0	0.0	7.6	0.0	34.6	148.3

REMARKS	Cylinders were fabricated as per the clients instructions. The client was informed of today's test results. The moisture content was provided by the supplier.	TOTAL CONCRETE PLACED	205	WINTERIZED CONCRETE:	-
		CONCRETE REJECTED	-	C.Y. * RECORDED IN GAL./C.Y.	-

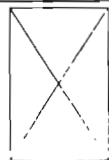
TYPES OF FRACTURES



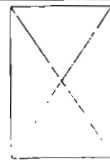
(a)



(b)



(c)



(d)



(e)

THE ABOVE SAMPLES WERE TESTED IN ACCORDANCE WITH ASTM C-172, C-143, C-138, C-231, C-173, C-31, C-1064 AND C-39.

CME Associates, Inc.

Construction Materials Evaluation

COMPRESSION TEST REPORT- CONCRETE INSPECTORS REPORT

CLIENT: Marcor Remediation	PAGE: 1 of 2	DATE: 07/29/99
PROJECT: Former GE Site - 318 Urban Street		REPORT NO: 6385C-02R-0799
CONTRACTOR: Juliano Construction		INSPECTOR: G. Vanhorn
PLACEMENT LOCATION: Slab-on-Grade Floor on South side of building		
REQUIRED STRENGTH AT 28 DAYS: 4000 psi	MAX. W/C: 0.45	PRODUCER: Riefler Concrete
WEIGHT PER CU YD (LBS.) CEMENT: 517	FINE AGG: 1378	COARSE AGG: #1 1069 #2 720
CEMENT BRAND AND TYPE: Lafarge type II	F.A SOURCE: Gernatt Gravel	C.A. SOURCE: Buffalo Crushed Stone
AEA: Non-air entrained	ADMIXTURE: Water Reducer 5.2 oz/cy	WATER (Gal): 39.0
OTHER ADMIX:	<u>SAND</u> <u>C.A.</u>	AIR TEMP: (Inside): - °F
MIX DATA OBTAINED FROM THE: Batch ticket	MOISTURE CONTENT %: 5.0 0.50	AIR TEMP. (Outside): - °F
SUPPLIER MIX NO.: 1461	ABSORPTION %: - -	CORRECT PROPORTIONS BATCHED?: NV

COMPRESSION TEST REPORT- 6"x12" CONCRETE CYLINDER

CYL I.D.	SAMPLE TIME	TRUCK NO.	SLUMP (in.)	AIR CONTENT %	UNIT WEIGHT (pcf)	DAYS FIELD CURE	DAYS LAB CURE	DATE IN LAB	AGE AT TEST	DATE TESTED	TOTAL LOAD (lbs.)	DIAMETER (in.)	CROSS SECTION (sq.in.)	UNIT LOAD (psi)	TYPE OF FRACTURE
AA-17	08:00	22	4.0	1.7	146.5	4	3	08/02	7	08/05	95,330	6.000	28.27	3,370	b
AA-18						4	24	08/02	28	08/26	125,010	6.000	28.27	4,420	b
AA-19						4	24	08/02	28	08/26	133,130	6.000	28.27	4,710	b
AA-20						4	52	08/02	56						
AA-21	09:55	11	4	1.5	146.5	4	3	08/02	7	08/05	96,320	6.000	28.27	3,410	b
AA-22						4	24	08/02	28	08/26	121,780	6.000	28.27	4,310	b
AA-23						4	24	08/02	28	08/26	116,130	6.000	28.27	4,110	b
AA-24						4	52	08/02	56						

Test Specimens represent this exact location placed: (AA17-AA20) Slab-on-Grade 10'E, 15'N of West end. (AA21-AA24) Slab-on-Grade 25'E, 15'S of North end.

CONCRETE INSPECTORS REPORT

TRUCK ARRIVAL TIME	TRUCK #	AIR CONTENT %	SLUMP (in.)	TEMP. (° F)	VOLUME (c.y.)	WATER IN TRUCK* AT PLANT	WATER IN TRUCK* IN FIELD	FREE WATER IN AGG* SAND	FREE WATER IN AGG* STONE	WATER*	UNIT WEIGHT (pcf)
07:26	65	-	-	-	1.0	-	-	-	-	-	-
07:40	29	-	-	-	9.0	18.5	2.0	9.3	0.4	30.3	-
07:52	22	1.7	4	77	9.0	19.6	1.0	9.1	1.0	30.7	146.5
08:00	11	-	-	-	9.0	19.9	-	8.4	1.0	29.3	-
08:11	32	-	-	-	9.0	22.1	-	8.3	1.0	31.4	-
08:18	51	-	-	-	9.0	21.1	-	8.4	0.4	29.9	-
08:30	99	1.8	4	79	9.0	21.1	-	8.4	0.4	29.9	148.6
08:42	42	-	-	-	9.0	20.4	-	8.4	0.4	29.2	-
08:47	65	1.5	4.5	80	9.0	21.1	-	8.4	0.4	29.2	146.5
08:59	91	-	-	-	9.0	21.1	-	8.4	0.4	29.9	-
09:40	11	1.0	4	80	9.0	21.1	-	8.4	0.4	29.9	147.3
09:55	32	1.5	3.5	80	9.0	23.1	-	8.4	0.4	31.9	146.8

REMARKS: Superplattizer was added at the plant.	TOTAL CONCRETE PLACED: 225 C.Y.	WINTERIZED CONCRETE: -
	CONCRETE REJECTED: -	C.Y. * RECORDED IN GAL./C.Y.

TYPES OF FRACTURES



(a)



(b)



(c)



(d)



(e)

THE ABOVE SAMPLES WERE TESTED IN ACCORDANCE WITH ASTM C-172, C-143, C-138, C-231, C-173, C-31, C-1064 AND C-39.

CME Associates, Inc.

Construction Materials Evaluation

COMPRESSION TEST REPORT- CONCRETE INSPECTORS REPORT

CLIENT: Marcor Remediation	PAGE: 2 of 2	DATE: 07/29/99
PROJECT: Former GE Site - 318 Urban Street		REPORT NO: 6385C-02R-0799
CONTRACTOR: Juliano Construction		INSPECTOR: G. Vanhorn
PLACEMENT LOCATION: Slab-on-Grade Floor on South side of building		
EQUIRED STRENGTH AT 28 DAYS: 4000 psi	MAX. W/C: 0.45	PRODUCER: Riefler Concrete
WEIGHT PER CU YD (LBS.) CEMENT: 517	FINE AGG: 1378	COARSE AGG: #1 1069 #2 720
CEMENT BRAND AND TYPE: Lafarge type II	F.A SOURCE: Gernatt Gravel	C.A. SOURCE: Buffalo Crushed Stone
SEA: Non-air entrained	ADMIXTURE: Water Reducer 5.2 oz/cy	WATER (Gal): 39.0
OTHER ADMIX:	<u>SAND</u> <u>C.A.</u>	AIR TEMP: (Inside): - °F
MIX DATA OBTAINED FROM THE: Batch ticket	MOISTURE CONTENT %: 5.0 0.50	AIR TEMP. (Outside): - °F
SUPPLIER MIX NO.: 1461	ABSORPTION %: - -	CORRECT PROPORTIONS BATCHED?: NV

COMPRESSION TEST REPORT - 6"x12" CONCRETE CYLINDER

CYL I.D.	SAMPLE TIME	TRUCK NO.	SLUMP (in.)	AIR CONTENT %	UNIT WEIGHT (pcf)	DAYS FIELD CURE	DAYS LAB CURE	DATE IN LAB	AGE AT TEST	DATE TESTED	TOTAL LOAD (lbs.)	DIAMETER (in.)	CROSS SECTION (sq.in.)	UNIT LOAD (psi)	TYPE OF FRACTURE
AA-25	12:15	38	3.0	0.8	147.6	4	3	08/02	7	08/05	104,420	6.000	28.27	3,690	b
AA-26						4	24	08/02	28	08/26	137,700	6.000	28.27	4,870	b
AA-27						4	24	08/02	28	08/26	133,200	6.000	28.27	4,710	b
AA-28						4	52	08/02	56						
AA-29	01:45	11	4.5	1.5	147.0	4	3	08/02	7	08/05	95,980	6.000	28.27	3,400	b
AA-30						4	24	08/02	28	08/26	117,010	5.989	28.26	4,140	b
AA-31						4	24	08/02	28	08/26	124,900	6.001	28.28	4,420	b
AA-32						4	52	08/02	56						

Test Specimens represent this exact location placed: (AA25-AA28) Slab-on-Grade 5'E, 20'W of North side. (AA29-AA32) Slab-on-Grade 5'W, 5'N of East end.

CONCRETE INSPECTORS REPORT

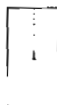
TRUCK ARRIVAL TIME	TRUCK #	AIR CONTENT %	SLUMP (in.)	TEMP. (°F)	VOLUME (c.y.)	WATER IN TRUCK* AT PLANT	WATER IN TRUCK* IN FIELD	FREE WATER IN AGG* SAND	FREE WATER IN AGG* STONE	WATER* WATER*	UNIT WEIGHT (pcf)
10:20	51	1.7	4.25	81	9.0	24.1	-	8.4	0.4	32.9	146.6
10:45	22	-	-	-	9.0	24.0	-	8.4	0.4	32.8	-
11:01	91	-	-	-	9.0	24.2	-	8.4	0.4	33.0	-
11:13	29	1.4	3.75	80	9.0	24.2	-	8.4	0.4	33.0	146.6
11:30	80	-	-	-	9.0	19.6	-	8.4	1.0	29.0	-
11:46	51	1.2	4.0	81	9.0	24.0	-	8.4	0.4	32.8	147.7
12:02	38	0.8	3.0	82	9.0	24.2	-	8.4	0.4	33.0	147.6
12:20	91	-	-	-	9.0	24.0	-	8.4	0.4	32.8	-
12:31	42	1.8	3.5	83	9.0	24.2	-	8.4	0.4	33.0	148.5
12:50	99	-	-	-	9.0	22.6	-	8.4	1.0	32.0	-
01:13	51	-	-	-	9.0	23.1	-	8.4	1.0	32.5	-
01:30	11	1.5	4.5	83	9.0	22.6	-	8.4	1.0	32.0	147.0

REMARKS: Superplattizer was added at the plant	TOTAL CONCRETE PLACED: 225	C.Y. WINTERIZED CONCRETE: -
	CONCRETE REJECTED: -	C.Y. * RECORDED IN GAL./C.Y.

TYPES OF FRACTURES



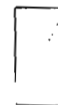
(a)



(b)



(c)



(d)



(e)

THE ABOVE SAMPLES WERE TESTED IN ACCORDANCE WITH ASTM C-172, C-143, C-138, C-231, C-173, C-31, C-1064 AND C-39.

CME Associates, Inc.

Construction Materials Evaluation

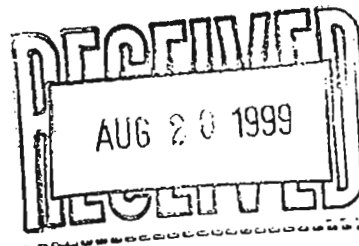
TRANSMITTAL

Date: August 16, 1999

To: Marcor Remediation
120 Elmgrove Park
Rochester, NY 14624

Attn: Mr. Steve Stockmaster

Re: Former GE Site - 318 Urban Street
Buffalo, New York



Gentlemen:

Enclosed you will find. . . .

Number of Copies

1

Report Number

6385X-03-0799

Respectfully Submitted.

CME ASSOCIATES, INC.

Ernest W. Kihl
Assistant Branch Manager

EWK/keb

Reviewed by:

CME ASSOCIATES, INC.

Lisa J. Uschold
SET, Level IV

DAILY PROGRESS REPORT

PROJECT: Former GE Site - 318 Urban Street

REPORT NO.: 6385X-03-0799

CLIENT: Marcor Remediation

REPRESENTATIVE: M. Trimper

DATE: 07/01/99

WEATHER: Overcast, Humid

TEMPERATURE: 83 °F

This CME representative was on-site to perform field density test on the crushed stone subbase for the West Parking Lot and the Alleyway on the North side of the building. Today's test meet the project specifications for compaction.

A sample of the NYSDOT Type III dense binder being placed at the time was returned to CME's Tonawanda Laboratory to determined maximum density.

CME Associates, Inc.

Construction Materials Evaluation

TRANSMITTAL

Date: August 16, 1999

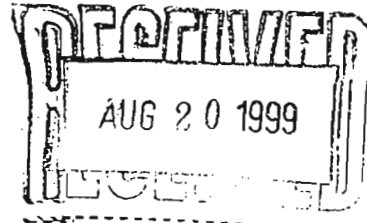
To: Marcor Remediation
120 Elmgrove Park
Rochester, NY 14624

Attn: Mr. Steve Stockmaster

Re: Former GE Site - 318 Urban Street
Buffalo, New York

Gentlemen:

Enclosed you will find. . . .



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6385S-02-0799
6385S-03-0799

Respectfully Submitted:

CME ASSOCIATES, INC.

Ernest W. Kihl
Assistant Branch Manager

EWK/keb

Reviewed by:

CME ASSOCIATES, INC.

Lisa J. Uschold
SET, Level IV

IN-PLACE FIELD DENSITY TEST REPORT

PROJECT: Former GE Site - 318 Urban Street

DATE: 07/01/99

CLIENT: Marcor Remediation

REPORT NO: 6385S-02-0799

TEST METHOD: AASHTO

REPRESENTATIVE M. Trimper

MATERIAL TYPE & SOURCE: Grey 2" R.O.C. Limestone, Buffalo St, Como

WEATHER: Overcast, Humid

TEMPERATURE: 83 °F

REMARKS:

See Daily Progress Report.

RESULTS:

Test No.	Test Location	Test Elevation	Moisture Content (%)	Optimum Moisture Content (%)	Field Dry Density (pcf)	100% Dry Density (pcf)	Percentage of Compaction Achieved	Percentage of Compaction Required
1	Parking Lot subbase NE 1/4	4" below FG	5.6	6.2	129.7	135.3	95.9	95.0
2	Parking Lot subbase NW 1/4	4" below FG	4.7	6.2	134.8	135.3	99.6	95.0
3	Parking Lot subbase SW 1/4	4" below FG	6.0	6.2	130.1	135.3	96.2	95.0
4	Parking Lot subbase SE 1/4	4" below FG	3.1	6.2	130.1	135.3	96.2	95.0
5	Alley Way subbase E 1/2	4" below FG	4.9	6.2	136.1	135.3	100.6	95.0
6	Alley Way W 1/2	4" below FG	3.5	6.2	132.5	135.3	97.9	95.0

IN-PLACE FIELD DENSITY TEST REPORT

PROJECT: Former GE Site - 318 Urban Street

DATE: 07/02/99

CLIENT: Marcor Remediation

REPORT NO: 6385S-03-0799

TEST METHOD: AASHTO

REPRESENTATIVE M. Trimper

MATERIAL TYPE & SOURCE: Grey 2" R.O.C. Limestone, Buffalo Cr. St, Cheektowaga

WEATHER: Inside

TEMPERATURE:

REMARKS:

See Daily Progress Report.

RESULTS:

Test No.	Test Location	Test Elevation	Moisture Content (%)	Optimum Moisture Content (%)	Field Dry Density (pcf)	100% Dry Density (pcf)	Percentage of Compaction Achieved	Percentage of Compaction Required
1	Building, Slab subgrade NW 1/4	@ FSG	5.3	6.2	134.2	135.3	99.2	95.0
2	Building Slab subgrade NE 1/4	@ FSG	5.0	6.2	130.3	135.3	96.3	95.0
3	Building slab subgrade SW 1/4	@ FSG	4.9	6.2	129.7	135.3	95.9	95.0
4	Building Slab subgrade SE 1/4	@ FSG	6.0	6.2	130.0	135.3	96.1	95.0



MARCOR Remediation, Inc.
52 Marway Circle
Rochester, NY 14623
(716)247-6935, Ext 4200
(716)247-6852 FAX

Facsimile transmittal

To: Britt Quinby / D&M Fax: 675-7136

From: Stephen Stockmaster Date: 09/09/99

Re: Concrete / Urban St Pages: 5

CC:

☐ Urgent ☒ For-Review ☐ Please Comment ☐ Please Reply ☐ Please Recycle

Notes: Britt,

Draft report for concrete, hard copy to follow when I receive it

Steve

SENT BY:

9- 9-99 : 9:56 MARCOR ENVIRONMENTAL-

67571361# 6/ 6

FROM : JJJULIAND

FAX NO. : 7166813614

Sep. 09 1999 09:32AM P1

SEP-02-99 THU 01:11 PM

RIEFLER CONCRETE PRODUCT FAX 7166493217

PAGE 2



September 2, 1999

J. J. Liggio Construction Inc.
3788 Broadway
Brooklyn, New York 11227

Reference: 318 Urban Street

Gentlemen,

Please be advised that all concrete provided to the above referenced project was manufactured and delivered in accordance with project specifications. It is our understanding that upon observing the placement conditions related to, pumping concrete, high ambient air temperatures, elevated concrete temperatures and slab design, that you prudently requested our company to provide additional workability through the use of a High Range Water Reducer (Superplasticizer).

As is standard, our trucks arrived on site targeting the 3.5 inch to 4 inch water slump, at which time just prior to placement the High Range Water Reducer was introduced into the truck. Typically HRWR is designed to produce slumps ranging from 8 inches to 11 inches however we adjusted the dosage rate to provide mid range slumps targeting the 5 inch to 7 inch range. On the first day of placement, visual verification of initial slumps were performed by myself after asking the inspector when he would like to test, before or after HRWR. All subsequent testing on the first day was performed after the addition of HRWR. While on site for a short period during the second placement, I noted the inspector performing a test prior to the addition of HRWR.

High Range Water Reducer is used every day in concrete to provide additional workability without the adverse effects of using water to attain mid range slumps. The effect of the HRWR is temporary providing extra workability just long enough to place the concrete at which time it reverts back to its original slump. Enclosed within is a technical data sheet on the HRWR. Should you have any further questions or require additional information please feel free to contact me at 649-3260, ext. 127.

Sincerely,

Reflex Concrete Products LLC

Peter J. Amilovich
Technical Services Director

Encl.