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*John
FMR
7/12/02
Reviewed
7/12/02 jmtmy.*

July 9, 2002

Patricia Simmons Pierre
Central New York Remedial Section
New York Remediation Branch
Emergency and Remedial Response Division
U.S. Environmental Protection Agency, Region II
20th Floor, 290 Broadway
New York, New York 10007

**Subject: Quarterly Progress Report - 2Q02
Operations and Maintenance and Long Term-Monitoring Activities
PAS Site, Oswego, NY**

Dear Ms. Simmons:

The July 2002 Quarterly Progress Report is submitted under Consent Decree 98-CV0112NPMGJD for operation, maintenance, and long-term monitoring activities at the PAS Site in Oswego, New York (Consent Decree) is attached. This attached Progress Report, which covers the period April through June 2002, conforms with requirements of Paragraph 30 of the Consent Decree, which was entered on August 10, 1998.

If you have any questions, please call me at (941) 926-7929.

Sincerely,
de maximis, inc.

A handwritten signature in dark ink, appearing to read "Mark Valentine", is written over the typed name.

Mark Valentine

cc: Performing Settling Defendants
L. McDavid, USEPA
G. Rider, NYSDEC, Division of Hazardous Waste Remediation
R. Parker, NYSDEC, Region 7 Office
D. Geraghty, NYDOH, Office of Public Health

QUARTERLY PROGRESS REPORT
Operation, Maintenance and Long-term Monitoring Activities

PROJECT NAME: *Pollution Abatement Services Site
Oswego, New York*

PERIOD COVERED: APRIL - JUNE 2002

ACTIONS TAKEN DURING PREVIOUS QUARTER (APR - JUN 2002):

- Removal activities were conducted at the PAS Oswego Site in accordance with the Operation, Maintenance and Long-term Monitoring Activities Plan (BBL, 1998) (Work Plan). A total of 27,153 gallons of leachate was removed during the period April through June of 2002. Specific quantities of leachate removed during each month, along with removal dates and manifest numbers, are described in this progress report under the section entitled "Documentation of Removal Activities". Subsequent to each of these events, leachate and ground water was disposed of at the BFI/CECOS Niagara Falls, New York, disposal facility. Buffalo Fuels Corporation was the transportation subcontractor for OBG leachate removal activities.
- Routine ground-water elevation monitoring was performed on April 1 and 15, May 6, and 20, June 3 and 17, 2002.
- On May 6, 2002, quarterly ground-water elevation monitoring was also performed. Quarterly ground-water elevation results for the M-series and LR-series monitoring wells indicated upward vertical gradients calculated for the leachate collection well LCW-4 area were less than 1.5 feet per foot. Therefore leachate removal activities were conducted at LCW locations (including LCW-4) during the period April through June 2002, in accordance with the November 15, 1999 leachate removal protocol.
- The semi-annual ground water and leachate quality sampling was conducted on May 20 and 21, 2002. A summary of these sampling results, along with historical sampling results, is presented in Figure 1, as attached. The Laboratory Report, along with data validation results, are also included in this quarterly report.
- Site maintenance activities were conducted on April 15, May 20, and June 17, 2002, which included inspection of spill control materials, perimeter fencing, and monitoring wells, as well as cleanup of the storage shed and clearing of any debris accumulated in the concrete surface drainage trenches. These maintenance activities were performed in accordance with the approved Work Plan.
- The PSDs received a response (Model New York State Easement) from USEPA on the revised draft version of the Environmental Protection Easement and Restrictive Covenant provided to USEPA.
- de maximis visited the site during OBG removal activities conducted on June 5, 2002.

ACTION ITEMS FOR FOLLOWING QUARTER (JUL - SEPT 2002):

- OMM activities will be performed in July, August, and September 2002, in accordance with the approved Work Plan. The OMM activities include pumping 15,000 gallons of leachate during the first week of the month, or whatever volume can be efficiently removed during a one-day pumping event, up to 15,000 gallons. The ground-water slurry wall wells and leachate wells will be monitored during the beginning of the third week of the month. If leachate elevations measured during the third week indicate that an additional 10,000 gallons of removable leachate has accumulated in the collection trenches, then a contingency removal event will be promptly scheduled to remove the 10,000 gallons of additional leachate.
- Quarterly ground-water elevation monitoring will be conducted on August 5, 2002.
- Routine maintenance activities will be conducted, including mowing the vegetated cap, inspection of spill control materials and perimeter fence. These maintenance activities will be performed in accordance with the approved Work Plan.

- The schedule for leachate removal events and tasks is provided below.

LEACHATE REMOVAL EVENTS AND TASK SCHEDULE (3rd Quarter 2002)							
	July 2002 Removal Events		August 2002 Removal Events		September 2002 Removal Events		Task
	First Event	Contingency Event	First Event	Contingency Event	First Event	Contingency Event	
Pre-Pumping Monitoring	Jul 1	Jul 15	Aug 5	Aug 19	Sept 9	Sept 11	LCW- and SWW- Series Wells for Jul, Aug, Sept LCW-, SWW-, M-, and LR- Series Wells for Aug. (first event only).
Removal	Jul 3	Jul 17	Aug 7	Aug 21	Sept 23	Sept 25	Remove leachate from LCW-1, -2, -3, and -4 wells. (LCW-4 pumping dependent on well level readings Aug 5).

LEACHATE REMOVAL EVENTS AND TASK SCHEDULE (4th Quarter 2002)							
	October 2002 Removal Events		November 2002 Removal Events		December 2002 Removal Events		Task
	First Event	Contingency Event	First Event	Contingency Event	First Event	Contingency Event	
Pre-Pumping Monitoring	Oct 7	Oct 21	Nov 4	Nov 18	Dec 2	Dec 16	LCW- and SWW- Series Wells for Oct, Nov, Dec. LCW-, SWW-, M-, and LR- Series Wells for Nov. (first event only).
Removal	Oct 9	Oct 24	Nov 6	Nov 20	Dec 4	Dec 18	Remove leachate from LCW-1, -2, -3, and -4 wells. (LCW-4 pumping dependent on well level readings Nov 4).

ANTICIPATED DELAYS/PROBLEMS:

- None

RESULTS OF FIELD ACTIVITIES:

- Ground-water elevation data collected on April 1 and 15, May 5 and 19, and June 3 and 17, 2002 are attached, along with SWW-series monitoring well charts for the last 12 months. (See Attachment 1).
- The routine leachate disposal and site inspection checklists are attached (See Attachment 2).

- The May 2002 semi-annual sampling results are attached, along with Figure 1, Historical Concentrations of VOCs of Concern Detected in Consent Decree Wells (See Attachment 5).

DOCUMENTATION OF REMOVAL ACTIVITIES DURING PREVIOUS QUARTER:

- Hazardous Waste Manifests (See Attachment 3)
- Waste Treatment/Disposal Certifications (See Attachment 4)

APRIL 2002
April 3, 2002

Manifest #	Amount (gal)	Date Removed
NYG2534706	4,555	4/3/02
NYG2534697	3,908	4/3/02

April 3, 2002 Total 8,463 gallons
April 2002 Total = 8,463 gallons

MAY 2002
May 8, 2002

Manifest #	Amount (gal)	Date Removed
NYG2534724	3,747	5/8/02
NYG2534715	5,121	5/8/02

May 8, 2002 Total 8,868 gallons
May 2002 Total = 8,868 gallons

JUNE 2002
June 5, 2002

Manifest #	Amount (gal)	Date Removed
NYG2534733	4907	6/5/01
NYG2534742	4915	6/5/01

June 5, 2002 Total = 9,822gallons
June 2002 Total = 9,822 gallons

- **CUMULATIVE REMOVAL QUANTITIES**

Cumulative gallons removed during quarter
under OMM Plan - April through June 2002

27,153

HISTORICAL SUMMARY OF LEACHATE REMOVAL ACTIVITIES

<i>Order/Decree</i>	<i>Disposal Facility/Period</i>	<i>Quantities</i>
1991 IGR Order (2/92 - 10/94)	<i>Dupont:</i> <i>1992 (2/98 -12/98)</i> <i>1993</i> <i>1994 (1/94-10/94)</i> <i>Subtotal</i>	221,808 337,619 254,898 814,325
1994 IGR Order (10/94 - 10/98)	<i>DuPont:</i> <i>1994 (From 10/94)</i> <i>1995</i> <i>1996 (To 5/96)</i> <i>Subtotal (To 5/96)</i> <i>BFI/CECOS:</i> <i>1996</i> <i>1997</i> <i>1998 (1/98-10/98)</i> <i>Subtotal</i> <i>94 IGR Order Total</i>	50,683 279,164 119,901 449,748 163,446 269,371 207,541 640,358 1,090,106
Final IGR Total		1,904,431
OMM Consent Decree (Beginning 11/98)	<i>BFI/CECOS:</i> <i>1998 (11/98-12/98)</i> <i>1999</i> <i>2000</i> <i>2001</i> <i>2002</i> <i>OMM Subtotal</i>	18,423 177,710 196,613 130,212 57,655 580,613
GRAND TOTAL		2,485,044

- **LEACHATE DISPOSAL DOCUMENTATION**

April 3, 2002

BFI/CECOS Work Order Number	Manifest #	Date Disposed
284697	NYG2534706	4/3/02
284696	NYG2534697	4/3/02

May 6, 2002

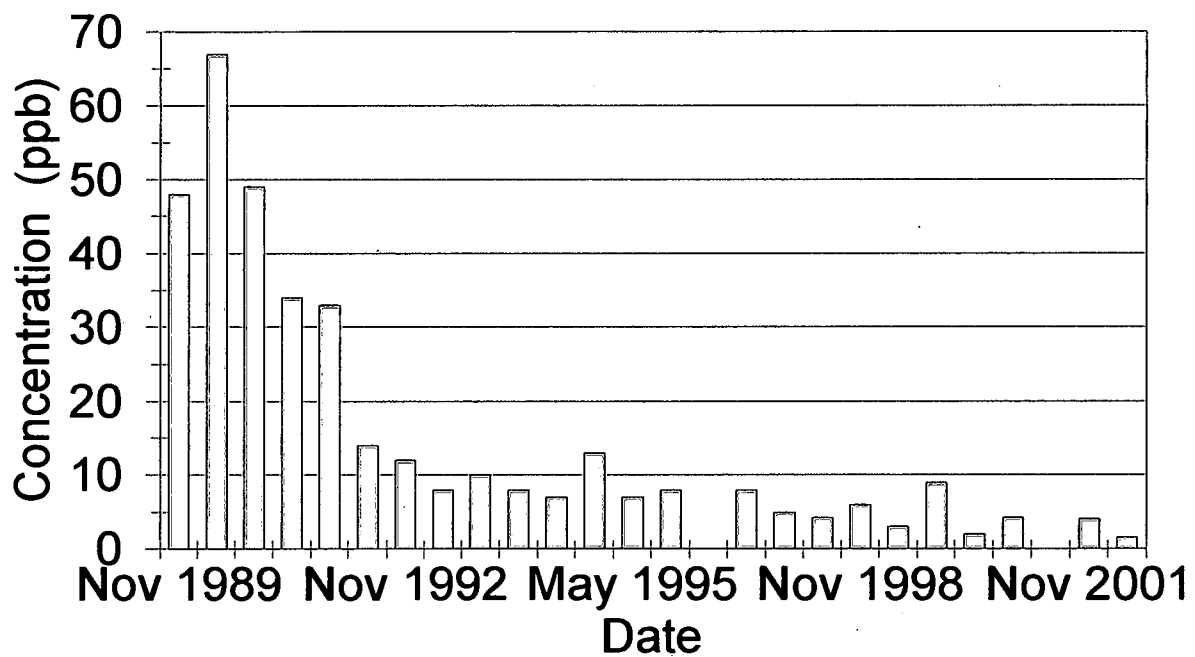
BFI/CECOS Work Order Number	Manifest #	Date Disposed
284762	NYG2534724	5/8/02
284761	NYG2534715	5/8/02

June 5, 2002

BFI/CECOS Work Order Number	Manifest #	Date Disposed
284861	NYG2534733	6/5/01
284862	NYG2534742	6/5/01

Note: "Gallons removed" is based upon BFI/CECOS measurement of the "loaded" and "tare" weights as measured at the Niagara Falls, New York facility and shown on the weight tickets included in Attachment 4, and a density of 8.346 pounds per gallon.

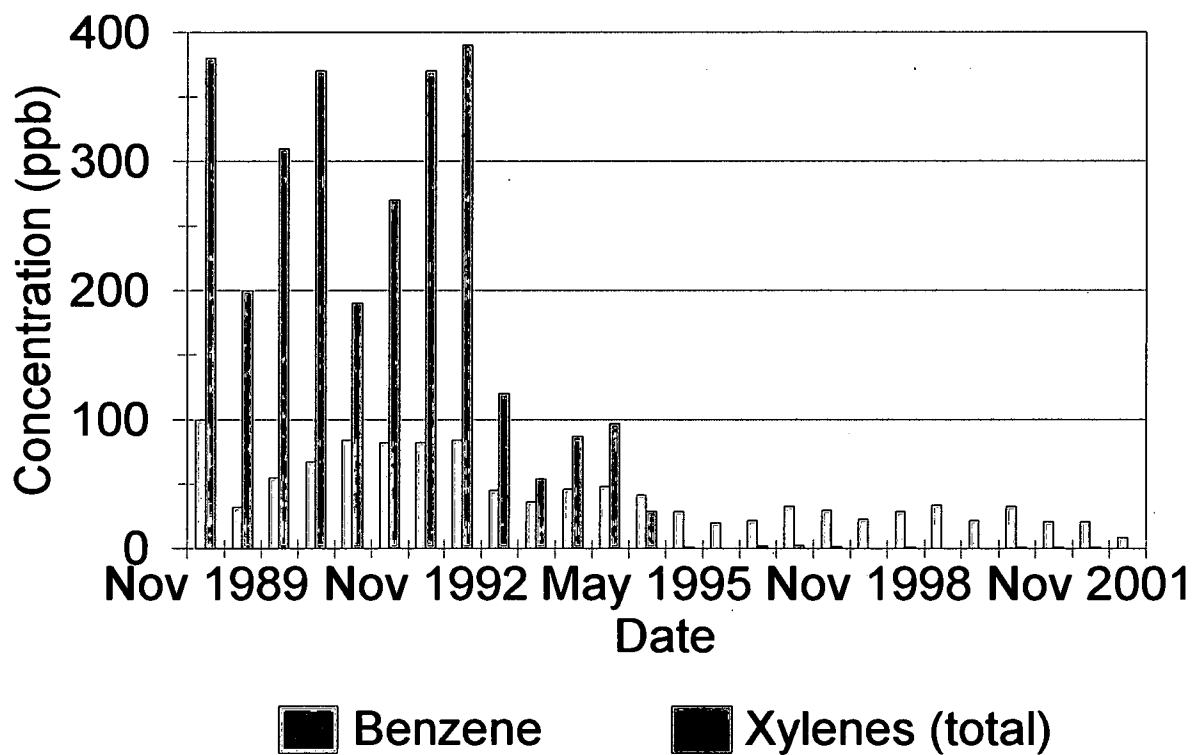
Well LR-6



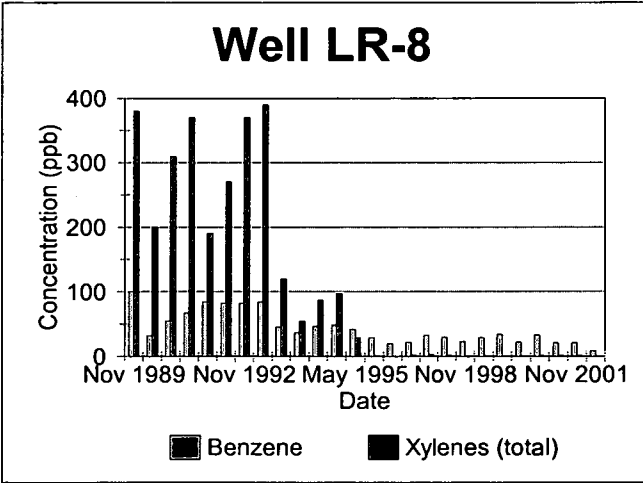
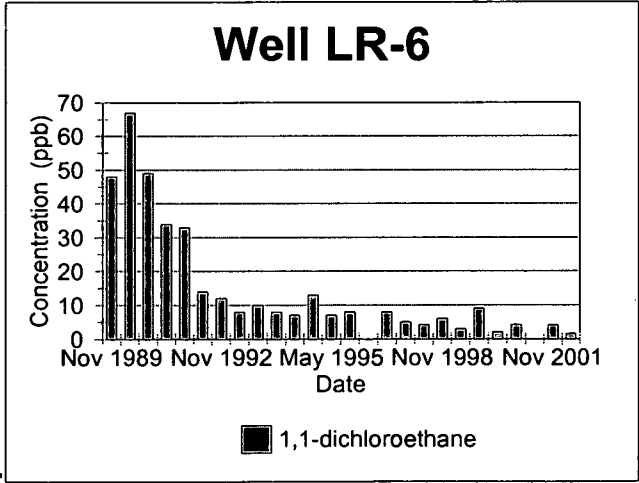
1,1-dichloroethane

JL Spring.

Well LR-8



Well	chemical	Nov 1989	May 1990	Nov 1990	May 1991	Nov 1991	May 1992	Nov 1992	May 1993	Nov 1993	May 1994	Aug 1994	Nov 1994	May 1995	Nov 1995	May 1996	Nov 1996	May 1997	May 1998	Nov 1998	May 1999
LR-6	1,1-dichloroethane	48	67	49	34	33	14	12	8	10	8	7	13	7	8	0	8	5	4.2	6	3
LR-8	chemical	Nov 1989	May 1990	Nov 1990	May 1991	Nov 1991	May 1992	Nov 1992	May 1993	Nov 1993	May 1994	Aug 1994	Nov 1994	May 1995	Nov 1995	May 1996	Nov 1996	May 1997	May 1998	Nov 1998	May 1999
LR-8	Benzene	100	32	55	67	84	82	82	84	45	36	46	48	42	29	20	22	33	30	23	29
LR-8	Toluene	12	11	138	9	3	18	2	7	0.6	0.7	0	0	0	0	0	0.5	0	0.5	0	0
LR-8	Ethylbenzene	150	69	93	110	55	24	26	87	2	0.8	0	3	0	0	0	0	0	0	0	0
LR-8	Xylenes (total)	380	200	310	370	190	270	370	390	120	54	87	97	29	1	0	2	3	1.4	0	1
LR-8	Chlorobenzene	23	7	13	16	18	22	23	22	10	20	8	10	9	9	5	5	6	6.4	6	7
M-21	Benzene				Oct 1991	Nov 1991						Aug 1994				May 1996	Nov 1996	May 1997	May 1998	Nov 1998	May 1999
M-21	Toluene				39	100						7				5	7	9	8.1	10	27
M-21	Ethylbenzene				5	10						0				0	0	0	0	0	0
M-21	Xylenes (total)				59	180						0				0	0	0	0	0	0
M-21	Chlorobenzene				250	670						30				0	0.6	1	0.6	0	1
M-21	1,1-dichloroethane				12	34						3				2	2	4	3.4	3	9
M-25	Benzene				0	0						0				0	0	0	0	0	0
M-25	Toluene											4				9	0	12	6.6	5	10
M-25	Ethylbenzene											0				0	0	0	0	0	0
M-25	Xylenes (total)											0				0	0	0	0	0	0
M-25	Chlorobenzene											1				3	0	6	5.1	0	6
M-25	1,1-dichloroethane											0				2	4	0	0	0	0



Nov 1999	May 2000	Nov 2000	May 2001	Nov 2001	May 2002
9	2	4.2	0	4.1	1.6

Nov 1999	May 2000	Nov 2000	May 2001	Nov 2001	May 2002
34	22	33	21	21	8.8
0	0	0	0.35	0.4	0.25
0	0	0	0	0	0
0	0	1.1	0.96	1.2	0.18
8	7	8.2	7.3	6.3	6.5

Nov 1999	May 2000	Nov 2000	May 2001	Nov 2001	May 2002
19	21	26	14	18	18
0	0	0	0.36	0.48	0.43
0	0	0	0	0	0
0	0	0	0.47	0.91	0.3
6	8	9.8	4.2	6.1	6.5
0	0	0	0	1.3	0.19
6	8	6.1	0.99	0.72	0.73
0	0	0	0.95	0.19	0.18
0	0	0	0.12	0	0
0	0	0	0.79	0	0
3	6	4.8	1.1	2.1	1.5
0	0	0	0	0.12	0

LR-6	NOV 1989	MAY 1990	NOV 1990	MAY 1991	NOV 1991	MAY 1992	NOV 1992	MAY 1993	NOV 1993	MAY 1994	NOV 1994	MAY 1995	NOV 1995	MAY 1996	NOV 1996	MAY 1997	NOV 1997	MAY 1998	NOV 1998	MAY 1999	NOV 1999	MAY 2000	NOV 2000	MAY 2001	NOV 2001
BENZENE	2J	ND	1J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOLUENE	2J	2J	2J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ETHYLBENZENE	1J	ND	1J	0.3J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
XYLENES (TOTAL)	1J	ND	3J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-DICHLOROETHANE	48	67	49	34	33	14	12	8	10	8	7J	13	7	8	8	5	4.2J	6	3	9	2	4.2	ND	ND	4.1

LR8	MAY 2002
BENZENE	ND
TOLUENE	ND
ETHYLBENZENE	ND
XYLENES (TOTAL)	ND
CHLOROBENZENE	ND
1,1-DICHLOROETHANE	1.5

M-25	AUG 1994	MAY 1996	NOV 1996	MAY 1997	MAY 1998	NOV 1998	MAY 1999	NOV 1999	MAY 2000	NOV 2000	MAY 2001	NOV 2001	MAY 2002
BENZENE	4J	9	ND	12	6.6	5	10	6	8	6.1	0.99	0.72	0.73
TOLUENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.95	0.19J	ND
ETHYLBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.12J	ND	ND
XYLENES (TOTAL)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.79	ND	ND
CHLOROBENZENE	1J	3J	ND	6	5.1	ND	6	3J	6	4.8	1.1	2.1	1.5
1,1-DICHLOROETHANE	ND	2J	4J	ND	ND	ND	ND	ND	ND	ND	0.12J	ND	ND

M-26	AUG 1994	MAY 1996	NOV 1996	MAY 1997	MAY 1998	NOV 1998	MAY 1999	NOV 1999	MAY 2000	NOV 2000	MAY 2001	NOV 2001
BENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOLUENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ETHYLBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
XYLENES (TOTAL)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-DICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

M-26	MAY 2002
BENZENE	ND
TOLUENE	ND
ETHYLBENZENE	ND
XYLENES (TOTAL)	ND
CHLOROBENZENE	ND
1,1-DICHLOROETHANE	ND

M-21	OCT 1991	OCT 1991(R)	NOV 1991	AUG 1994	MAY 1996	NOV 1996	MAY 1997	MAY 1998	NOV 1998	MAY 1999	NOV 1999	MAY 2000	NOV 2000	MAY 2001	NOV 2001
BENZENE	39	36	100	7J	5	7	9	8.1	10	27	19	21	26	14	18
TOLUENE	5J	3J	10J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.36J	0.48J
ETHYLBENZENE	59	57	180	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
XYLENES (TOTAL)	250	240	670	30	ND	0.6J	1J	0.6J	ND	1J	ND	ND	ND	0.47J	0.91
CHLOROBENZENE	12	12	34	3J	2J	4J	3.4J	3J	9	6	8	9.8	4.2	6.1	6.1
1,1-DICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.3

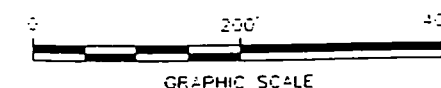
M-21	MAY 2002
BENZENE	18
TOLUENE	.43J
ETHYLBENZENE	ND
XYLENES (TOTAL)	.30J
CHLOROBENZENE	6.5
1,1-DICHLOROETHANE	.19J

LR-8	NOV 1989	MAY 1990	NOV 1990	MAY 1991	NOV 1991	MAY 1992	NOV 1992	MAY 1993	NOV 1993	MAY 1994	AUG 1994	AUG 1994(R)	NOV 1994	MAY 1995	NOV 1995	MAY 1996	NOV 1996	MAY 1997	MAY 1998	NOV 1998	MAY 1999	NOV 1999	MAY 2000	NOV 2000	MAY 2001	NOV 2001	MAY 2002
BENZENE	100	32	55	67	84	82	82	84	45	36	46	51	48	42	29	20J	22	33	30	23	29	34	22	33	21	21	8.8
TOLUENE	12	11	138	9J	3J	18J	2J	7	0.6J	0.7J	ND	ND	ND	ND	ND	ND	0.5J	ND	0.51J	ND	ND	ND	ND	ND	0.35J	0.4J	.25J
ETHYLBENZENE	150	69	93	110	55	24	26	87	2J	0.8J	ND	ND	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
XYLENES (TOTAL)	380	200	310	370	1900	2700	370	3900	120	54	87	96	97	29	1J	ND	2J	3J	1.4J	ND	1J	ND	ND	1.1	0.96	1.2	.18J
CHLOROBENZENE	23	7	13	16	18	22	23	228	10	20	8J	8J	10	9	9	5	5	6	6.4	6	7	8	7	8.2	7.3	6.3	8.5
1,1-DICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.9	.15J	.10J

L: 310", CFT=PEF
P: STD-PCP EL
2: 24 SG 5-P-54-PCB
34617124 34617124.000

- EXPLANATION**
- LR-6 LOCATION AND DESIGNATION OF EXISTING BEDROCK MONITORING WELL
 - OD-1 LOCATION AND DESIGNATION OF ABANDONED BEDROCK MONITORING WELL
 - FENCE (SITE BOUNDARY)
 - - - SLURRY WALL
 - ▲ LAND AREAS SUBJECT TO FREQUENT, SHALLOW INUNDATION
- DESIGNATION OF SAMPLING LOCATION**
- DATE OF SAMPLING EVENT**
R=REPLICATE
- | M-25 | AUG 1994 | MAY 1996 | NOV 1996 | MAY 1997 |
|--------------------|----------|----------|----------|----------|
| BENZENE | 4J | 9 | ND | 12 |
| TOLUENE | ND | ND | ND | ND |
| ETHYLBENZENE | ND | ND | ND | ND |
| XYLENES (TOTAL) | ND | ND | ND | ND |
| CHLOROBENZENE | 1J | 3J | ND | 6 |
| 1,1-DICHLOROETHANE | ND | 2J | 4J | ND |
- CONCENTRATION OF VOC DETECTED IN BEDROCK GROUND WATER, MEASURED IN ug/L**
- ND - NOT DETECTED
 - J - ESTIMATED CONCENTRATION (LESS THAN SAMPLE QUANTITATION LIMIT)
 - D - CONCENTRATION CALCULATED FROM SECONDARY DILUTION
 - B - COMPOUND DETECTED IN QUALITY CONTROL BLANKS

- NOTES:**
- BASE MAP ADAPTED FROM TOPOGRAPHIC MAP DEVELOPED BY LOCKWOOD MAPPING, INC. BASED ON AN APRIL 14, 1993 AERIAL PHOTOGRAPH; SOME WELL AND STREAM-GAUGE LOCATIONS ARE INFERRED; LOCATION OF SLURRY WALL BASED ON SITE PLAN DRAWN BY DUNN GEOSCIENCE CORP., INC. (DEC. 1994), TITLED "BORING, WELL & TEST PIT PLOT PLAN."
 - ANALYTICAL DATA PRIOR TO AUGUST 1994 OBTAINED FROM GOLDER ASSOCIATES, INC. (1993a) AND URS COMPANY, INC. (1994)
 - FIGURE PROVIDED BY ROUX ASSOCIATES, INC. (PROJECT NO. 32702M06, FILE D0610002, DATED 3/98) AND PREVIOUSLY PRESENTED IN "REVIEW OF INTERIM GROUNDWATER REMOVAL AND LONG-TERM MONITORING PROGRAM DATA FOR PAS SITE" (MARCH 1998).



POLLUTION ABATEMENT SERVICES SITE
OSWEGO, NEW YORK
OPERATION AND MAINTENANCE AND
LONG-TERM MONITORING PLAN

HISTORICAL CONCENTRATIONS OF VOCs
OF CONCERN DETECTED IN CONSENT
DECREE WELLS (1989-2002)

O'BRIEN & GERE
ENGINEERS INC.

FIGURE
1

O'Brien & Gere Inc.
of North America
PAS Site
Oswego, NY
Water Samples
Pkg. No. 2175

May 20, and 21, 2002



Analytical Results

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8260

Client: O'Brien & Gere Inc. of North America
Project: PAS Site - Oswego, NY
Proj. Desc:
Package#: 2175
Sample: U9007
Samp. Description: LR-6
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 38

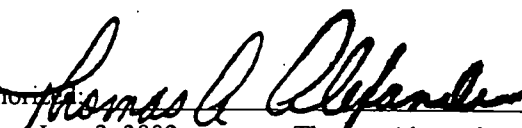
Job No.: 3027.333.31201
Certification NY No.: 10155

Collected: 05/20/02 Matrix: Water
Received: 05/21/02 QC Batch: 053102W4
Prepared: 06/01/02 %Solids:
Purge volume: 25 mL

Parameter	Result	Surrog Limits Dilution	Analyzed Notes
Chloromethane	<1.0	1	06/01/02
Vinyl chloride	<1.0	1	06/01/02
Bromomethane	<1.0	1	06/01/02
Chloroethane	<1.0	1	06/01/02
Acetone	<10.	1	06/01/02
1,1-Dichloroethene	<.50	1	06/01/02
Methylene chloride	<2.0	1	06/01/02
Carbon disulfide	<.50	1	06/01/02
trans-1,2-Dichloroethene	<.50	1	06/01/02
1,1-Dichloroethane	1.6	1	06/01/02
2-Butanone	<10.	1	06/01/02
cis-1,2-Dichloroethene	<.50	1	06/01/02
Chloroform	<.50	1	06/01/02
1,2-Dichloroethane	<.50	1	06/01/02
1,1,1-Trichloroethane	<.50	1	06/01/02
Carbon tetrachloride	<.50	1	06/01/02
Benzene	<.50	1	06/01/02
1,2-Dichloropropane	<.50	1	06/01/02
Trichloroethene	J .13	1	06/01/02
Bromodichloromethane	<.50	1	06/01/02
cis-1,3-Dichloropropene	<.50	1	06/01/02
4-Methyl-2-pentanone	<5.0	1	06/01/02
trans-1,3-Dichloropropene	<.50	1	06/01/02
1,1,2-Trichloroethane	<.50	1	06/01/02
Toluene	<.50	1	06/01/02
Dibromochloromethane	<.50	1	06/01/02
2-Hexanone	<5.0	1	06/01/02

- Outside control limits J-Estimated value

E - Concentration exceeded the calibration range and is estimated

Author: 
Date: June 3, 2002 Thomas Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8260

Client: O'Brien & Gere Inc. of North America
Project: PAS Site - Oswego, NY
Proj. Desc:
Package#: 2175
Sample: U9007
Samp. Description: LR-6
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 38

Job No.: 3027.333.31201
Certification NY No.: 10155

Collected: 05/20/02 Matrix: Water
Received: 05/21/02 QC Batch: 053102W4
Prepared: 06/01/02 %Solids:
Purge volume: 25 mL

Parameter	Result	Surrog Limits	Dilution	Analyzed Notes
Tetrachloroethene	<.50		1	06/01/02
Chlorobenzene	<.50		1	06/01/02
Ethylbenzene	<.50		1	06/01/02
Bromoform	<.50		1	06/01/02
Xylene (total)	<.50		1	06/01/02
Styrene	<.50		1	06/01/02
1,1,2,2-Tetrachloroethane	<.50		1	06/01/02
Dibromofluoromethane (surrogate)	114.%	71 - 130	1	06/01/02
1,2-Dichloroethane-d4 (surrogate)	113.%	76 - 126	1	06/01/02
Toluene-d8 (surrogate)	105.%	82 - 119	1	06/01/02
Bromofluorobenzene (surrogate)	107.%	75 - 119	1	06/01/02

Notes:

- Outside control limits J-Estimated value

E - Concentration exceeded the calibration range and is estimated

Authorized: 

Date: June 3, 2002

Thomas Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8260

Client: O'Brien & Gere Inc. of North America
Project: PAS Site - Oswego, NY
Proj. Desc:
Package#: 2175
Sample: U9008
Samp. Description: M-21
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 38

Job No.: 3027.333.31201
Certification NY No.: 10155

Collected: 05/20/02 Matrix: Water
Received: 05/21/02 QC Batch: 053102W4
Prepared: 06/01/02 %Solids:
Purge volume: 25 mL

Parameter	Result	Surrog Limits Dilution	Analyzed Notes
Chloromethane	<1.0	1	06/01/02
Vinyl chloride	<1.0	1	06/01/02
Bromomethane	<1.0	1	06/01/02
Chloroethane	6.7	1	06/01/02
Acetone	<10.	1	06/01/02
1,1-Dichloroethene	<.50	1	06/01/02
Methylene chloride	J .11	1	06/01/02
Carbon disulfide	<.50	1	06/01/02
trans-1,2-Dichloroethene	<.50	1	06/01/02
1,1-Dichloroethane	J .19	1	06/01/02
2-Butanone	<10.	1	06/01/02
cis-1,2-Dichloroethene	<.50	1	06/01/02
Chloroform	<.50	1	06/01/02
1,2-Dichloroethane	<.50	1	06/01/02
1,1,1-Trichloroethane	<.50	1	06/01/02
Carbon tetrachloride	<.50	1	06/01/02
Benzene	18.	1	06/01/02
1,2-Dichloropropane	<.50	1	06/01/02
Trichloroethene	<.50	1	06/01/02
Bromodichloromethane	<.50	1	06/01/02
cis-1,3-Dichloropropene	<.50	1	06/01/02
4-Methyl-2-pentanone	<5.0	1	06/01/02
trans-1,3-Dichloropropene	<.50	1	06/01/02
1,1,2-Trichloroethane	<.50	1	06/01/02
Toluene	J .43	1	06/01/02
Dibromochloromethane	<.50	1	06/01/02
2-Hexanone	<5.0	1	06/01/02

- Outside control limits J-Estimated value

E - Concentration exceeded the calibration range and is estimated

Authorized: 
Date: June 3, 2002 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8260

Client: O'Brien & Gere Inc. of North America
Project: PAS Site - Oswego, NY
Proj. Desc:
Package#: 2175
Sample: U9008
Samp. Description: M-21
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 38

Job No.: 3027.333.31201
Certification NY No.: 10155

Collected: 05/20/02 Matrix: Water
Received: 05/21/02 QC Batch: 053102W4
Prepared: 06/01/02 %Solids:
Purge volume: 25 mL

Parameter	Result	Surrog Limits	Dilution	Analyzed Notes
Tetrachloroethene	<.50		1	06/01/02
Chlorobenzene	6.5		1	06/01/02
Ethylbenzene	<.50		1	06/01/02
Bromoform	<.50		1	06/01/02
Xylene (total)	J .30		1	06/01/02
Styrene	<.50		1	06/01/02
1,1,2,2-Tetrachloroethane	<.50		1	06/01/02
Dibromofluoromethane (surrogate)	115.%	71 - 130	1	06/01/02
1,2-Dichloroethane-d4 (surrogate)	113.%	76 - 126	1	06/01/02
Toluene-d8 (surrogate)	104.%	82 - 119	1	06/01/02
Bromofluorobenzene (surrogate)	107.%	75 - 119	1	06/01/02

Notes:

- Outside control limits J-Estimated value

E - Concentration exceeded the calibration range and is estimated

Authorized: 
Date: June 3, 2002 Thomas Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8260

Client: O'Brien & Gere Inc. of North America
Project: PAS Site - Oswego, NY
Proj. Desc:
Package#: 2175
Sample: U9009
Samp. Description: LR-8
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 38

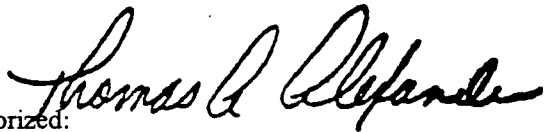
Job No.: 3027.333.31201
Certification NY No.: 10155

Collected: 05/21/02 Matrix: Water
Received: 05/21/02 QC Batch: 053102W4
Prepared: 06/01/02 %Solids:
Purge volume: 25 mL

Parameter	Result	Surrog Limits Dilution	Analyzed Notes
Chloromethane	<1.0	1	06/01/02
Vinyl chloride	<1.0	1	06/01/02
Bromomethane	<1.0	1	06/01/02
Chloroethane	6.8	1	06/01/02
Acetone	J 4.4	1	06/01/02
1,1-Dichloroethene	<.50	1	06/01/02
Methylene chloride	J .12	1	06/01/02
Carbon disulfide	<.50	1	06/01/02
trans-1,2-Dichloroethene	<.50	1	06/01/02
1,1-Dichloroethane	J .10	1	06/01/02
2-Butanone	<10.	1	06/01/02
cis-1,2-Dichloroethene	<.50	1	06/01/02
Chloroform	<.50	1	06/01/02
1,2-Dichloroethane	<.50	1	06/01/02
1,1,1-Trichloroethane	<.50	1	06/01/02
Carbon tetrachloride	<.50	1	06/01/02
Benzene	8.8	1	06/01/02
1,2-Dichloropropane	<.50	1	06/01/02
Trichloroethene	<.50	1	06/01/02
Bromodichloromethane	<.50	1	06/01/02
cis-1,3-Dichloropropene	<.50	1	06/01/02
4-Methyl-2-pentanone	<5.0	1	06/01/02
trans-1,3-Dichloropropene	<.50	1	06/01/02
1,1,2-Trichloroethane	<.50	1	06/01/02
Toluene	J .25	1	06/01/02
Dibromochloromethane	<.50	1	06/01/02
2-Hexanone	<5.0	1	06/01/02

- Outside control limits J-Estimated value

E - Concentration exceeded the calibration range and is estimated

Authorized: 
Date: June 3, 2002 Thomas Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8260

Client: O'Brien & Gere Inc. of North America
Project: PAS Site - Oswego, NY
Proj. Desc:
Package#: 2175
Sample: U9009
Samp. Description: LR-8
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 38

Job No.: 3027.333.31201
Certification NY No.: 10155

Collected: 05/21/02 Matrix: Water
Received: 05/21/02 QC Batch: 053102W4
Prepared: 06/01/02 %Solids:
Purge volume: 25 mL

Parameter	Result	Surrog Limits	Dilution	Analyzed Notes
Tetrachloroethene	<.50		1	06/01/02
Chlorobenzene	6.5		1	06/01/02
Ethylbenzene	<.50		1	06/01/02
Bromoform	<.50		1	06/01/02
Xylene (total)	J .18		1	06/01/02
Styrene	<.50		1	06/01/02
1,1,2,2-Tetrachloroethane	<.50		1	06/01/02
Dibromofluoromethane (surrogate)	116.%	71 - 130	1	06/01/02
1,2-Dichloroethane-d4 (surrogate)	111.%	76 - 126	1	06/01/02
Toluene-d8 (surrogate)	104.%	82 - 119	1	06/01/02
Bromofluorobenzene (surrogate)	106.%	75 - 119	1	06/01/02

Notes:

- Outside control limits J-Estimated value

E - Concentration exceeded the calibration range and is estimated

Authorized: 
Date: June 3, 2002 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8260

Client: O'Brien & Gere Inc. of North America
Project: PAS Site - Oswego, NY
Proj. Desc:
Package#: 2175
Sample: U9010
Samp. Description: M-26
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 38

Job No.: 3027.333.31201
Certification NY No.: 10155

Collected: 05/21/02 Matrix: Water
Received: 05/21/02 QC Batch: 053102W4
Prepared: 06/01/02 %Solids:
Purge volume: 25 mL

Parameter	Result	Surrog Limits Dilution	Analyzed Notes
Chloromethane	<1.0	1	06/01/02
Vinyl chloride	<1.0	1	06/01/02
Bromomethane	<1.0	1	06/01/02
Chloroethane	<1.0	1	06/01/02
Acetone	<10.	1	06/01/02
1,1-Dichloroethene	<.50	1	06/01/02
Methylene chloride	<2.0	1	06/01/02
Carbon disulfide	<.50	1	06/01/02
trans-1,2-Dichloroethene	<.50	1	06/01/02
1,1-Dichloroethane	<.50	1	06/01/02
2-Butanone	<10.	1	06/01/02
cis-1,2-Dichloroethene	<.50	1	06/01/02
Chloroform	<.50	1	06/01/02
1,2-Dichloroethane	<.50	1	06/01/02
1,1,1-Trichloroethane	<.50	1	06/01/02
Carbon tetrachloride	<.50	1	06/01/02
Benzene	<.50	1	06/01/02
1,2-Dichloropropane	<.50	1	06/01/02
Trichloroethene	<.50	1	06/01/02
Bromodichloromethane	<.50	1	06/01/02
cis-1,3-Dichloropropene	<.50	1	06/01/02
4-Methyl-2-pentanone	<5.0	1	06/01/02
trans-1,3-Dichloropropene	<.50	1	06/01/02
1,1,2-Trichloroethane	<.50	1	06/01/02
Toluene	<.50	1	06/01/02
Dibromochloromethane	<.50	1	06/01/02
2-Hexanone	<5.0	1	06/01/02

- Outside control limits J-Estimated value

E - Concentration exceeded the calibration range and is estimated

Authorized: 
Date: June 3, 2002 Thomas Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

**O'Brien & Gere
Laboratories, Inc.**

**Analytical Results
Method: 8260**

Client: O'Brien & Gere Inc. of North America
Project: PAS Site - Oswego, NY
Proj. Desc:
Package#: 2175
Sample: U9010
Samp. Description: M-26
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 38

Job No.: 3027.333.31201
Certification NY No.: 10155

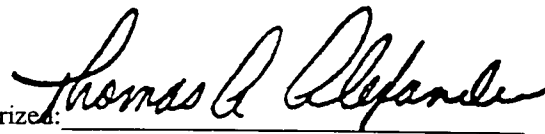
Collected: 05/21/02 Matrix: Water
Received: 05/21/02 QC Batch: 053102W4
Prepared: 06/01/02 %Solids:
Purge volume: 25 mL

Parameter	Result	Surrog Limits	Dilution	Analyzed Notes
Tetrachloroethene	<.50		1	06/01/02
Chlorobenzene	<.50		1	06/01/02
Ethylbenzene	<.50		1	06/01/02
Bromoform	<.50		1	06/01/02
Xylene (total)	<.50		1	06/01/02
Styrene	<.50		1	06/01/02
1,1,2,2-Tetrachloroethane	<.50		1	06/01/02
Dibromofluoromethane (surrogate)	113.%	71 - 130	1	06/01/02
1,2-Dichloroethane-d4 (surrogate)	110.%	76 - 126	1	06/01/02
Toluene-d8 (surrogate)	105.%	82 - 119	1	06/01/02
Bromofluorobenzene (surrogate)	107.%	75 - 119	1	06/01/02

Notes:

- Outside control limits J-Estimated value

E - Concentration exceeded the calibration range and is estimated

Authorized: 

Date: June 3, 2002

Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8260

Client: O'Brien & Gere Inc. of North America
Project: PAS Site - Oswego, NY
Proj. Desc:
Package#: 2175
Sample: U9011
Samp. Description: M-25
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 38

Job No.: 3027.333.31201
Certification NY No.: 10155

Collected: 05/21/02 Matrix: Water
Received: 05/21/02 QC Batch: 053102W4
Prepared: 06/01/02 %Solids:
Purge volume: 25 mL

Parameter	Result	Surrog		Analyzed Notes
		Limits	Dilution	
Chloromethane	<1.0		1	06/01/02
Vinyl chloride	<1.0		1	06/01/02
Bromomethane	<1.0		1	06/01/02
Chloroethane	1.2		1	06/01/02
Acetone	<10.		1	06/01/02
1,1-Dichloroethene	<.50		1	06/01/02
Methylene chloride	<2.0		1	06/01/02
Carbon disulfide	<.50		1	06/01/02
trans-1,2-Dichloroethene	<.50		1	06/01/02
1,1-Dichloroethane	<.50		1	06/01/02
2-Butanone	<10.		1	06/01/02
cis-1,2-Dichloroethene	<.50		1	06/01/02
Chloroform	<.50		1	06/01/02
1,2-Dichloroethane	<.50		1	06/01/02
1,1,1-Trichloroethane	<.50		1	06/01/02
Carbon tetrachloride	<.50		1	06/01/02
Benzene	.73		1	06/01/02
1,2-Dichloropropane	<.50		1	06/01/02
Trichloroethene	<.50		1	06/01/02
Bromodichloromethane	<.50		1	06/01/02
cis-1,3-Dichloropropene	<.50		1	06/01/02
4-Methyl-2-pentanone	<5.0		1	06/01/02
trans-1,3-Dichloropropene	<.50		1	06/01/02
1,1,2-Trichloroethane	<.50		1	06/01/02
Toluene	J .18		1	06/01/02
Dibromochloromethane	<.50		1	06/01/02
2-Hexanone	<5.0		1	06/01/02

- Outside control limits J-Estimated value

E - Concentration exceeded the calibration range and is estimated

Authorized: 

Date: June 3, 2002

Thomas Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

**O'Brien & Gere
Laboratories, Inc.**

**Analytical Results
Method: 8260**

Client: O'Brien & Gere Inc. of North America
Project: PAS Site - Oswego, NY
Proj. Desc:
Package#: 2175
Sample: U9011
Samp. Description: M-25
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 38

Job No.: 3027.333.31201
Certification NY No.: 10155

Collected: 05/21/02 Matrix: Water
Received: 05/21/02 QC Batch: 053102W4
Prepared: 06/01/02 %Solids:
Purge volume: 25 mL

Parameter	Result	Surrog		Analyzed	Notes
		Limits	Dilution		
Tetrachloroethene	<.50		1	06/01/02	
Chlorobenzene	1.5		1	06/01/02	
Ethylbenzene	<.50		1	06/01/02	
Bromoform	<.50		1	06/01/02	
Xylene (total)	<.50		1	06/01/02	
Styrene	<.50		1	06/01/02	
1,1,2,2-Tetrachloroethane	<.50		1	06/01/02	
Dibromofluoromethane (surrogate)	116. %	71 - 130	1	06/01/02	
1,2-Dichloroethane-d4 (surrogate)	111. %	76 - 126	1	06/01/02	
Toluene-d8 (surrogate)	106. %	82 - 119	1	06/01/02	
Bromofluorobenzene (surrogate)	105. %	75 - 119	1	06/01/02	

Notes:

- Outside control limits J-Estimated value

E - Concentration exceeded the calibration range and is estimated

Authorized: 

Date: June 3, 2002

Thomas Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8260

Client: O'Brien & Gere Inc. of North America

Project: PAS Site - Oswego, NY

Proj. Desc:

Package#: 2175

Sample: U9012

Samp. Description: LCW-2

Instrument: HP5970 GC/MS#2

Units: ug/L

Number of analytes: 38

Job No.: 3027.333.31201

Certification NY No.: 10155

Collected: 05/21/02

Received: 05/21/02

Prepared: 06/01/02

Matrix: Water

QC Batch: 053102W4

%Solids:

Purge volume: 25 mL

*Leachate Collection
Water*

Parameter	Result	Surrog Limits Dilution	Analyzed Notes
Chloromethane	<12.	12.5	06/01/02
Vinyl chloride	J 8.9	12.5	06/01/02
Bromomethane	<12.	12.5	06/01/02
Chloroethane	J 7.2	12.5	06/01/02
Acetone	<120.	12.5	06/01/02
1,1-Dichloroethene	<6.2	12.5	06/01/02
Methylene chloride	J 1.3	12.5	06/01/02
Carbon disulfide	<6.2	12.5	06/01/02
trans-1,2-Dichloroethene	<6.2	12.5	06/01/02
1,1-Dichloroethane	32.	12.5	06/01/02
2-Butanone	<120.	12.5	06/01/02
cis-1,2-Dichloroethene	16.	12.5	06/01/02
Chloroform	J 4.2	12.5	06/01/02
1,2-Dichloroethane	<6.2	12.5	06/01/02
1,1,1-Trichloroethane	26.	12.5	06/01/02
Carbon tetrachloride	<6.2	12.5	06/01/02
Benzene	140.	12.5	06/01/02
1,2-Dichloropropane	<6.2	12.5	06/01/02
Trichloroethene	85.	12.5	06/01/02
Bromodichloromethane	<6.2	12.5	06/01/02
cis-1,3-Dichloropropene	<6.2	12.5	06/01/02
4-Methyl-2-pentanone	<62.	12.5	06/01/02
trans-1,3-Dichloropropene	<6.2	12.5	06/01/02
1,1,2-Trichloroethane	<6.2	12.5	06/01/02
Toluene	J 1.7	12.5	06/01/02
Dibromochloromethane	<6.2	12.5	06/01/02
2-Hexanone	<62.	12.5	06/01/02

- Outside control limits J-Estimated value

E - Concentration exceeded the calibration range and is estimated

Authorized

Date: June 3, 2002

Thomas Alexander

Thomas A. Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

**O'Brien & Gere
Laboratories, Inc.**

**Analytical Results
Method: 8260**

Client: O'Brien & Gere Inc. of North America
Project: PAS Site - Oswego, NY
Proj. Desc:
Package#: 2175
Sample: U9012
Samp. Description: LCW-2
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 38

Job No.: 3027.333.31201
Certification NY No.: 10155

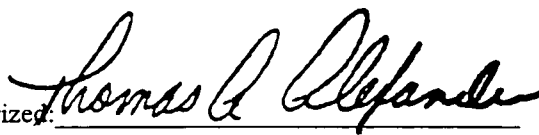
Collected: 05/21/02 Matrix: Water
Received: 05/21/02 QC Batch: 053102W4
Prepared: 06/01/02 %Solids:
Purge volume: 25 mL

Parameter	Result	Surrog		Analyzed Notes
		Limits	Dilution	
Tetrachloroethene	98.		12.5	06/01/02
Chlorobenzene	41.		12.5	06/01/02
Ethylbenzene	98.		12.5	06/01/02
Bromoform	<6.2		12.5	06/01/02
Xylene (total)	68.		12.5	06/01/02
Styrene	<6.2		12.5	06/01/02
1,1,2,2-Tetrachloroethane	J 4.9		12.5	06/01/02
Dibromofluoromethane (surrogate)	115. %	71 - 130	12.5	06/01/02
1,2-Dichloroethane-d4 (surrogate)	110. %	76 - 126	12.5	06/01/02
Toluene-d8. (surrogate)	107. %	82 - 119	12.5	06/01/02
Bromofluorobenzene (surrogate)	105. %	75 - 119	12.5	06/01/02

Notes:

- Outside control limits J-Estimated value

E - Concentration exceeded the calibration range and is estimated

Authorized: 
Date: June 3, 2002 Thomas Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

**O'Brien & Gere
Laboratories, Inc.**

**Analytical Results
Method: 8260**

Client: O'Brien & Gere Inc. of North America

Project: PAS Site - Oswego, NY

Proj. Desc:

Package#: 2175

Sample: U9013

Sample Description: LCW-4

Instrument: HP5970 GC/MS#2

Units: ug/L

Number of analytes: 38

Job No.: 3027.333.31201

Certification NY No.: 10155

Collected: 05/21/02

Received: 05/21/02

Prepared: 06/01/02

Matrix: Water

QC Batch: 053102W4

%Solids:

Purge volume: 25 mL

Leachate

B, E, T, X

Parameter	Result	Surrog		Analyzed Notes
		Limits	Dilution	
Chloromethane	<50.		50	06/01/02
Vinyl chloride	75.		50	06/01/02
Bromomethane	<50.		50	06/01/02
Chloroethane	66.		50	06/01/02
Acetone	830.		50	06/01/02
1,1-Dichloroethene	<25.		50	06/01/02
Methylene chloride	<100.		50	06/01/02
Carbon disulfide	<25.		50	06/01/02
trans-1,2-Dichloroethene	<25.		50	06/01/02
1,1-Dichloroethane	79.		50	06/01/02
2-Butanone	J 250.		50	06/01/02
cis-1,2-Dichloroethene	85.		50	06/01/02
Chloroform	J 6.1		50	06/01/02
1,2-Dichloroethane	<25.		50	06/01/02
1,1,1-Trichloroethane	<25.		50	06/01/02
Carbon tetrachloride	<25.		50	06/01/02
Benzene	510.		50	06/01/02
1,2-Dichloropropane	<25.		50	06/01/02
Trichloroethene	<25.		50	06/01/02
Bromodichloromethane	<25.		50	06/01/02
cis-1,3-Dichloropropene	<25.		50	06/01/02
4-Methyl-2-pentanone	J 180.		50	06/01/02
trans-1,3-Dichloropropene	<25.		50	06/01/02
1,1,2-Trichloroethane	<25.		50	06/01/02
Toluene	680.		50	06/01/02
Dibromochloromethane	<25.		50	06/01/02
2-Hexanone	<250.		50	06/01/02

- Outside control limits J-Estimated value

E - Concentration exceeded the calibration range and is estimated

Authorized: 
Date: June 3, 2002 Thomas Alexander

**O'Brien & Gere
Laboratories, Inc.**

**Analytical Results
Method: 8260**

Client: O'Brien & Gere Inc. of North America
Project: PAS Site - Oswego, NY
Proj. Desc:
Package#: 2175
Sample: U9013
Samp. Description: LCW-4
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 38

Job No.: 3027.333.31201
Certification NY No.: 10155

Collected: 05/21/02 Matrix: Water
Received: 05/21/02 QC Batch: 053102W4
Prepared: 06/01/02 %Solids:
Purge volume: 25 mL

Parameter	Result	Surrog		Analyzed	Notes
		Limits	Dilution		
Tetrachloroethene	<25.		50	06/01/02	
Chlorobenzene	330.	7	50	06/01/02	
Ethylbenzene	1200.	7	50	06/01/02	
Bromoform	<25.		50	06/01/02	
Xylene (total)	2300.	7	50	06/01/02	
Styrene	<25.		50	06/01/02	
1,1,2,2-Tetrachloroethane	<25.		50	06/01/02	
Dibromofluoromethane (surrogate)	117. %	71 - 130	50	06/01/02	
1,2-Dichloroethane-d4 (surrogate)	113. %	76 - 126	50	06/01/02	
Toluene-d8 (surrogate)	105. %	82 - 119	50	06/01/02	
Bromofluorobenzene (surrogate)	106. %	75 - 119	50	06/01/02	

Notes:

- Outside control limits J-Estimated value

E - Concentration exceeded the calibration range and is estimated

Authorized: 

Date: June 3, 2002

Thomas Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8260

Client: O'Brien & Gere Inc. of North America
Project: PAS Site - Oswego, NY
Proj. Desc:
Package#: 2175
Sample: U9014
Samp. Description: Equipment Blank
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 38

Job No.: 3027.333.31201
Certification NY No.: 10155

Collected: 05/20/02 Matrix: Water
Received: 05/21/02 QC Batch: 053102W4
Prepared: 06/01/02 %Solids:
Purge volume: 25 mL

Parameter	Result	Surrog Limits Dilution	Analyzed Notes
Chloromethane	<1.0	1	06/01/02
Vinyl chloride	<1.0	1	06/01/02
Bromomethane	<1.0	1	06/01/02
Chloroethane	<1.0	1	06/01/02
Acetone	<10.	1	06/01/02
1,1-Dichloroethene	<.50	1	06/01/02
Methylene chloride	J .23	1	06/01/02
Carbon disulfide	<.50	1	06/01/02
trans-1,2-Dichloroethene	<.50	1	06/01/02
1,1-Dichloroethane	<.50	1	06/01/02
2-Butanone	<10.	1	06/01/02
cis-1,2-Dichloroethene	<.50	1	06/01/02
Chloroform	<.50	1	06/01/02
1,2-Dichloroethane	<.50	1	06/01/02
1,1,1-Trichloroethane	<.50	1	06/01/02
Carbon tetrachloride	<.50	1	06/01/02
Benzene	<.50	1	06/01/02
1,2-Dichloropropane	<.50	1	06/01/02
Trichloroethene	<.50	1	06/01/02
Bromodichloromethane	<.50	1	06/01/02
cis-1,3-Dichloropropene	<.50	1	06/01/02
4-Methyl-2-pentanone	<5.0	1	06/01/02
trans-1,3-Dichloropropene	<.50	1	06/01/02
1,1,2-Trichloroethane	<.50	1	06/01/02
Toluene	<.50	1	06/01/02
Dibromochloromethane	<.50	1	06/01/02
2-Hexanone	<5.0	1	06/01/02

- Outside control limits J-Estimated value

E - Concentration exceeded the calibration range and is estimated

Authorized:

Date: June 3, 2002

Thomas Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

**O'Brien & Gere
Laboratories, Inc.**

**Analytical Results
Method: 8260**

Client: O'Brien & Gere Inc. of North America
Project: PAS Site - Oswego, NY
Proj. Desc:
Package#: 2175
Sample: U9014
Samp. Description: Equipment Blank
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 38

Job No.: 3027.333.31201
Certification NY No.: 10155

Collected: 05/20/02 Matrix: Water
Received: 05/21/02 QC Batch: 053102W4
Prepared: 06/01/02 %Solids:
Purge volume: 25 mL

Parameter	Result	Surrog		Analyzed Notes
		Limits	Dilution	
Tetrachloroethene	<.50		1	06/01/02
Chlorobenzene	<.50		1	06/01/02
Ethylbenzene	<.50		1	06/01/02
Bromoform	<.50		1	06/01/02
Xylene (total)	<.50		1	06/01/02
Styrene	<.50		1	06/01/02
1,1,2,2-Tetrachloroethane	<.50		1	06/01/02
Dibromofluoromethane (surrogate)	113. %	71 - 130	1	06/01/02
1,2-Dichloroethane-d4 (surrogate)	112. %	76 - 126	1	06/01/02
Toluene-d8 (surrogate)	103. %	82 - 119	1	06/01/02
Bromofluorobenzene (surrogate)	107. %	75 - 119	1	06/01/02

Notes:

- Outside control limits J-Estimated value

E - Concentration exceeded the calibration range and is estimated

Authorized: 

Date: June 3, 2002

Thomas Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8260

Client: O'Brien & Gere Inc. of North America
Project: PAS Site - Oswego, NY
Proj. Desc:
Package#: 2175
Sample: U9015
Samp. Description: QC Trip Blank
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 38

Job No.: 3027.333.31201
Certification NY No.: 10155

Collected: 05/20/02 Matrix: Water
Received: 05/21/02 QC Batch: 053102W4
Prepared: 06/01/02 %Solids:
Purge volume: 25 mL

Parameter	Result	Surrog Limits Dilution	Analyzed Notes
Chloromethane	<1.0	1	06/01/02
Vinyl chloride	<1.0	1	06/01/02
Bromomethane	<1.0	1	06/01/02
Chloroethane	<1.0	1	06/01/02
Acetone	<10.	1	06/01/02
1,1-Dichloroethene	<.50	1	06/01/02
Methylene chloride	<2.0	1	06/01/02
Carbon disulfide	<.50	1	06/01/02
trans-1,2-Dichloroethene	<.50	1	06/01/02
1,1-Dichloroethane	<.50	1	06/01/02
2-Butanone	<10.	1	06/01/02
cis-1,2-Dichloroethene	<.50	1	06/01/02
Chloroform	<.50	1	06/01/02
1,2-Dichloroethane	<.50	1	06/01/02
1,1,1-Trichloroethane	<.50	1	06/01/02
Carbon tetrachloride	<.50	1	06/01/02
Benzene	<.50	1	06/01/02
1,2-Dichloropropane	<.50	1	06/01/02
Trichloroethene	<.50	1	06/01/02
Bromodichloromethane	<.50	1	06/01/02
cis-1,3-Dichloropropene	<.50	1	06/01/02
4-Methyl-2-pentanone	<5.0	1	06/01/02
trans-1,3-Dichloropropene	<.50	1	06/01/02
1,1,2-Trichloroethane	<.50	1	06/01/02
Toluene	<.50	1	06/01/02
Dibromochloromethane	<.50	1	06/01/02
2-Hexanone	<5.0	1	06/01/02

- Outside control limits J-Estimated value

E - Concentration exceeded the calibration range and is estimated

Authorized: 
Date: June 3, 2002 Thomas Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

**O'Brien & Gere
Laboratories, Inc.**

**Analytical Results
Method: 8260**

Client: O'Brien & Gere Inc. of North America
Project: PAS Site - Oswego, NY
Proj. Desc:
Package#: 2175
Sample: U9015
Samp. Description: QC Trip Blank
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 38

Job No.: 3027.333.31201
Certification NY No.: 10155

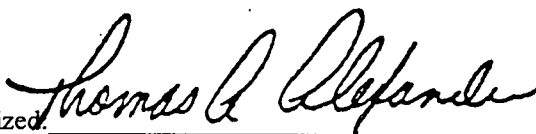
Collected: 05/20/02 Matrix: Water
Received: 05/21/02 QC Batch: 053102W4
Prepared: 06/01/02 %Solids:
Purge volume: 25 mL

Parameter	Result	Surrog		Analyzed Notes
		Limits	Dilution	
Tetrachloroethene	<.50		1	06/01/02
Chlorobenzene	<.50		1	06/01/02
Ethylbenzene	<.50		1	06/01/02
Bromoform	<.50		1	06/01/02
Xylene (total)	<.50		1	06/01/02
Styrene	<.50		1	06/01/02
1,1,2,2-Tetrachloroethane	<.50		1	06/01/02
Dibromofluoromethane (surrogate)	114. %	71 - 130	1	06/01/02
1,2-Dichloroethane-d4 (surrogate)	113. %	76 - 126	1	06/01/02
Toluene-d8 (surrogate)	103. %	82 - 119	1	06/01/02
Bromofluorobenzene (surrogate)	107. %	75 - 119	1	06/01/02

Notes:

- Outside control limits J-Estimated value

E - Concentration exceeded the calibration range and is estimated

Authorized: 
Date: June 3, 2002 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Wet Chemistry

Client: O'Brien & Gere Inc. of North America
Project: PAS Site - Oswego, NY
Proj. Desc:

Job No.: 3027.333.31201
Certification NY No.: 10155

Package#: 2175
Sample: U9012
Samp. Description: LCW-2

Collected: 05/21/02 15:00 Matrix: Water
Received: 05/21/02 16:10

Parameter	Result	Units	Method	Prepared	Analyzed	QC Batch	Note
BOD 5	18.	mg/L	EPA 405.1		05/22/02	052202W11	
COD	110.	mg/L	EPA 410.4		06/05/02	060402W12	
Total dissolved solids	1400.	mg/L	EPA 160.1		05/27/02	052702W21	
Total organic carbon	32.	mg/L	EPA 415.1		05/29/02	052902W11	
Total suspended solids	24.	mg/L	EPA 160.2		05/27/02	052702W23	

Notes:

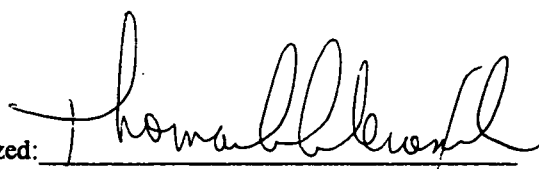
Package#: 2175
Sample: U9013
Samp. Description: LCW-4

Collected: 05/21/02 14:40 Matrix: Water
Received: 05/21/02 16:10

Parameter	Result	Units	Method	Prepared	Analyzed	QC Batch	Note
BOD 5	79.	mg/L	EPA 405.1		05/22/02	052202W11	
COD	300.	mg/L	EPA 410.4		06/05/02	060402W12	
Total dissolved solids	2700.	mg/L	EPA 160.1		05/27/02	052702W21	
Total organic carbon	98.	mg/L	EPA 415.1		05/29/02	052902W11	
Total suspended solids	74.	mg/L	EPA 160.2		05/27/02	052702W23	

Notes:

J-Estimated value

Authorized: 

Date: June 6, 2002

Thomas Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

Quality Control Results

206 pages of
All put in Stop Box.
Results ~~test~~ were acceptable.
J. Huang
7/12/02

File on eDOCs _____ Yes _____ No

Site Name PAS

Site No. 738001

County Oswego

Town Oswego

Foitable 2 Yes _____

File Name 2002-07-09 AZ-02 Report

Scanned & eDOC _____