738001

ANNUAL PROGRESS REPORT

PAS OSWEGO SUPERFUND SITE

OSWEGO, NEW YORK

July 10, 2004

Submitted By:

de maximis, inc.
2975 Bee Ridge Road
Suite C
Sarasota, FL
(941) 926-7929

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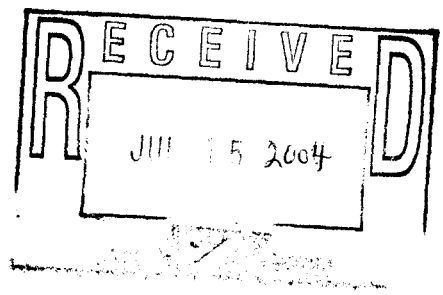

July 10, 2004

Ms. Patricia 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: Annual Progress Report for July 2003 through June 2004
Operations, Maintenance and Long Term-Monitoring Activities
Pollution Abatement Services (PAS) Site, Oswego, NY

Dear Ms. Pierre:

The July 2004 Annual Progress Report is submitted under *Consent Decree 98-CV0112NPMGJD* for operation, maintenance, and long-term monitoring activities at the PAS Site (Site) in Oswego, New York (Consent Decree) is attached. This annual report covers the period July 1, 2003 through June 30, 2004, and conforms to the requirements of Paragraph 30 of the Consent Decree, which was entered on August 10, 1998.

The frequency of progress reporting has been reduced from quarterly to annually pursuant to the July 2, 2003 letter from the U.S. Environmental Protection Agency. Our next annual progress report, which will be submitted on or before July 10, 2005, will document work completed between the period of July 1, 2004 and June 30, 2005 in a format consistent with the progress report provided herein.

The routine elevation monitoring conducted during this reporting period indicates continued hydraulic control of the slurry wall containment system. (See the SWW-series groundwater elevations shown in Attachment I-A.) This observation is consistent with the USEPA Five-Year Review Report, which concluded that the leachate removal operations have maintained hydraulic control within the containment system. Furthermore, the semi-annual groundwater quality monitoring results during this reporting period indicate that VOC-concentrations at down-gradient monitoring wells continue to decline. (See the long-term groundwater monitoring results for wells LR-8, M-21 and M-25 in Attachments I-B and I-C.) Notably, for the first time since long-term monitoring began, there were no detections of any of the VOC's of concern at monitoring well LR-8 in May 2004. This is also consistent with the findings of the Five-Year Review Report, which noted that hydraulic control of the containment system has allowed VOC concentrations [down-gradient] to decline through natural attenuation, and that the site remedies continue to be protective of human health and the environment.

Attachment II of the report contains a description of the actions completed under the Consent Decree for each quarter of this reporting period. Site monitoring results and leachate removal and disposal records for each quarter of the reporting period are also included in Attachment II. Finally, Attachment III of this report provides a description and schedule of the actions planned during the next reporting period (July 2004 - June 2005).

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

Sincerely,

de maximis, inc.
Mark Valentine

cc: PAS Oswego Steering Committee
Marla Weider, Esq., USEPA
G. Rider, NYSDEC, Div. of Hazardous Waste Remediation,
C. Parker, NYSDEC Region 7 Office
D. Geraghty, NYDOH, Office of Public Health

Attach/

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July 10, 2004

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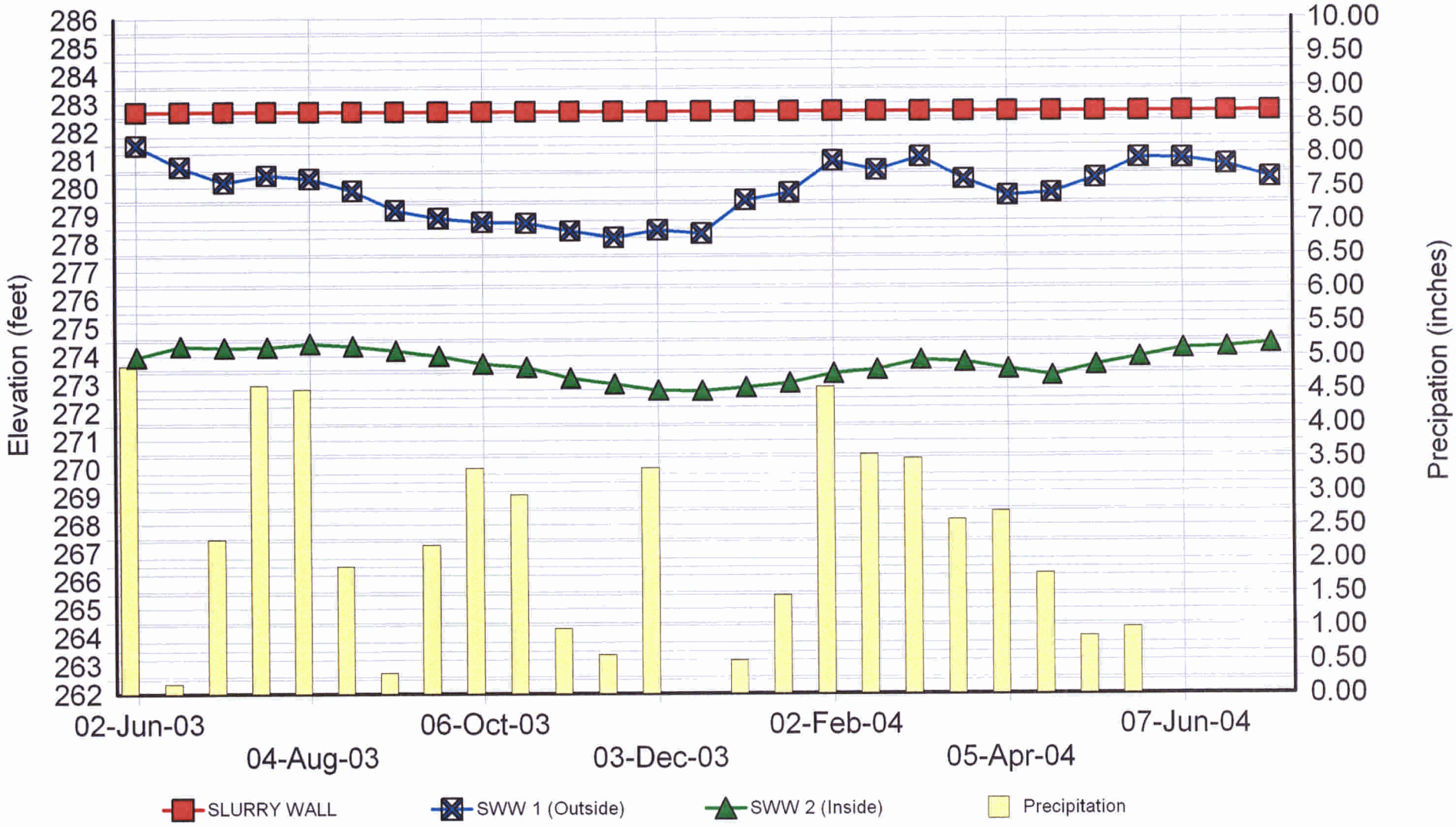
LIST OF ATTACHMENTS

PAS - OSWEGO

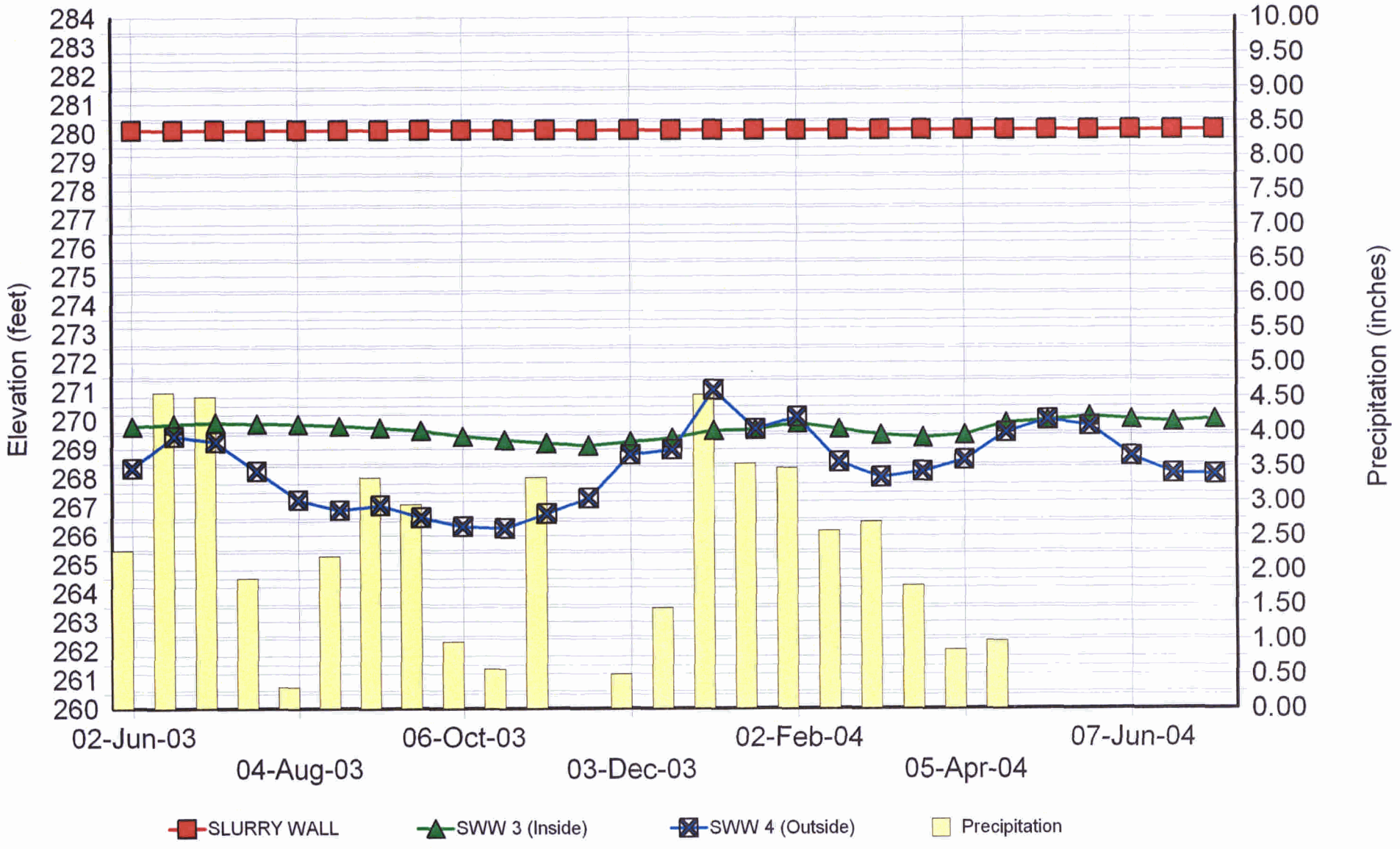
GROUNDWATER ELEVATIONS (SWW1 &SWW2)



de maximis 12-Jul-04

PAS - OSWEGO

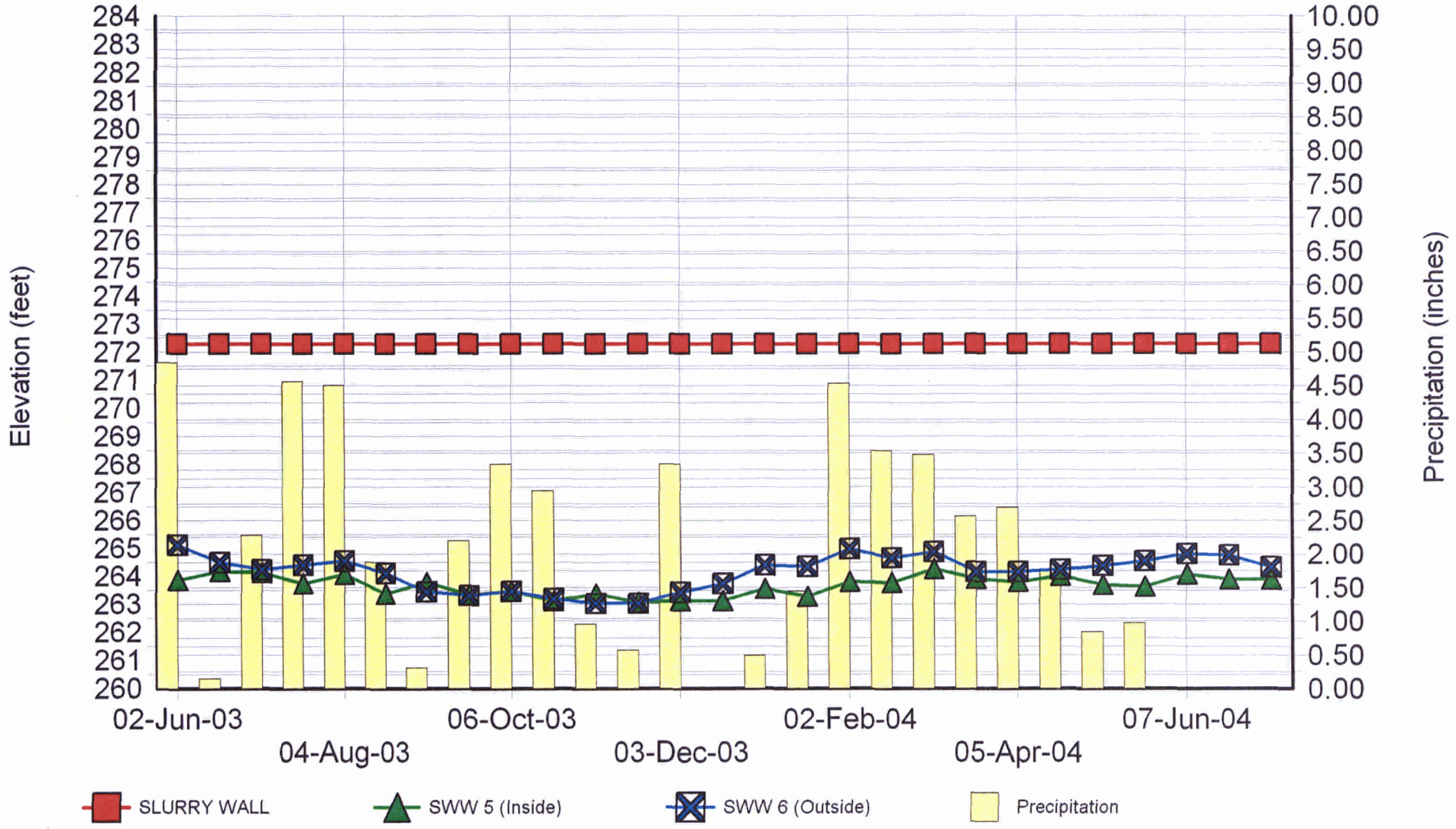
GROUNDWATER ELEVATIONS (SWW3 & SWW4)



de maximis 12-Jul-04

PAS - OSWEGO

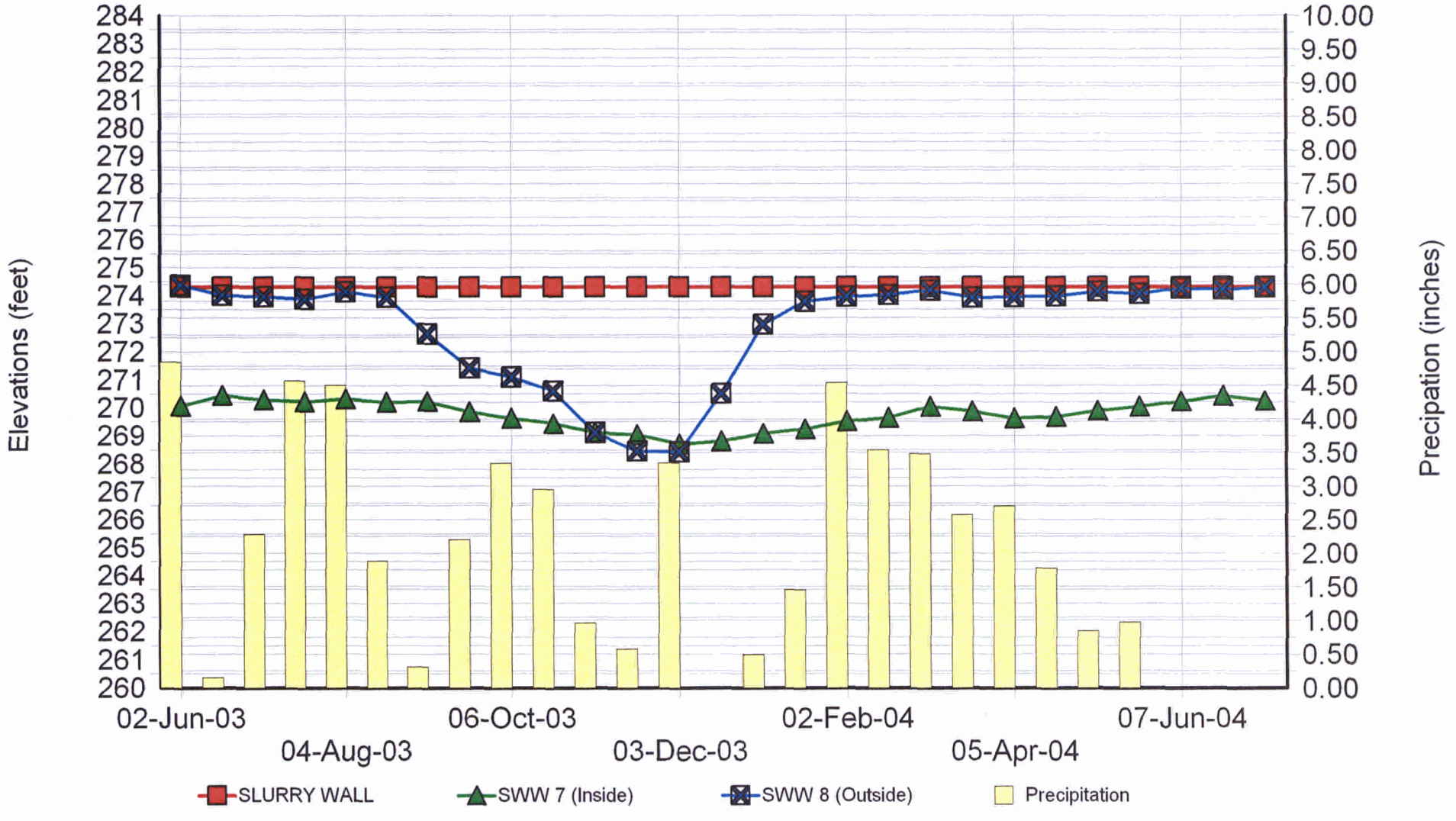
GROUNDWATER ELEVATION (SWW5 & SWW6)



de maximis 12-Jul-04

PASCOSWEGO

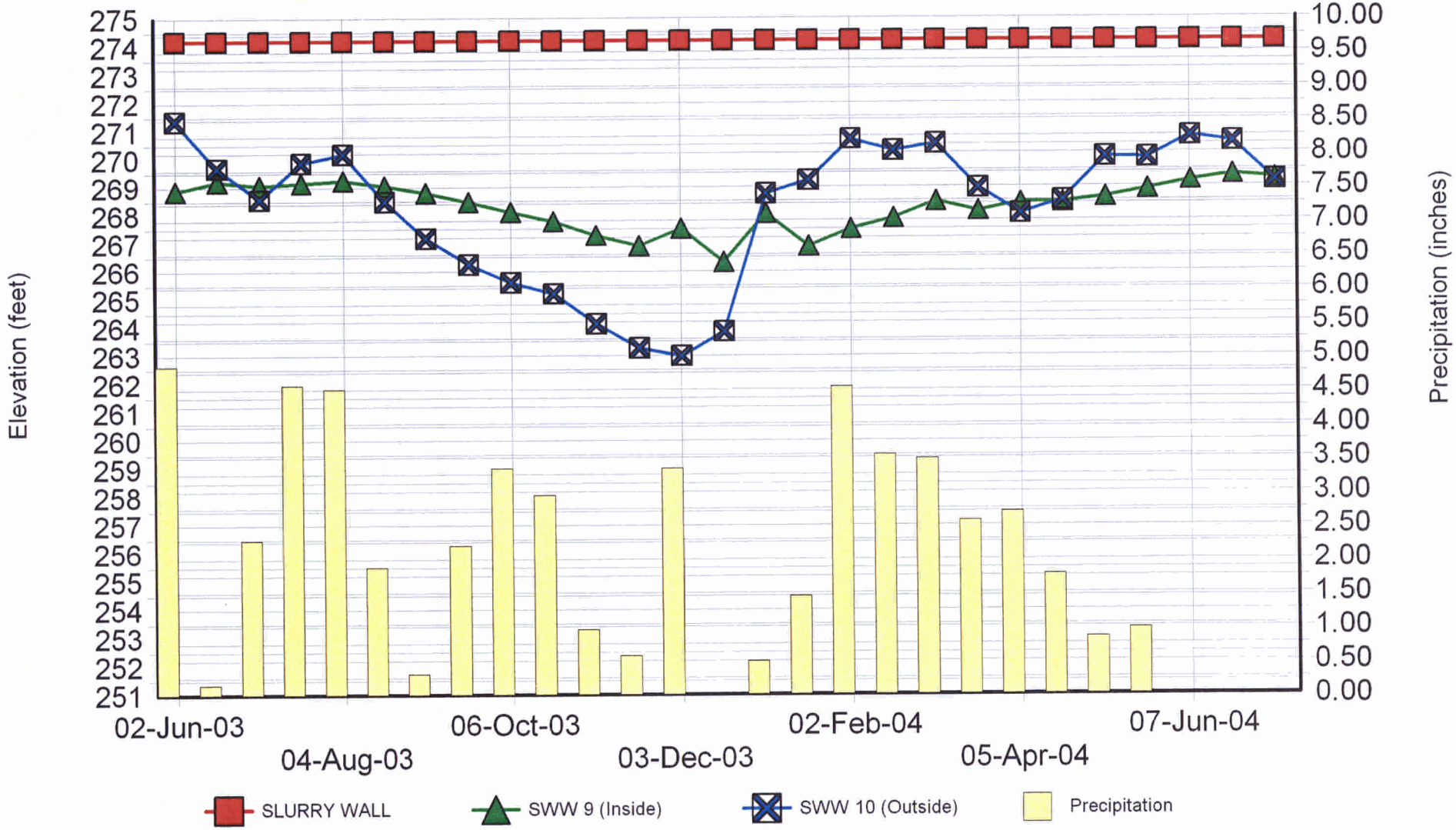
GROUNDWATER ELEVATIONS (SWW7 & SWW8)



de maximis 12-Jul-04

PAS - OSWEGO

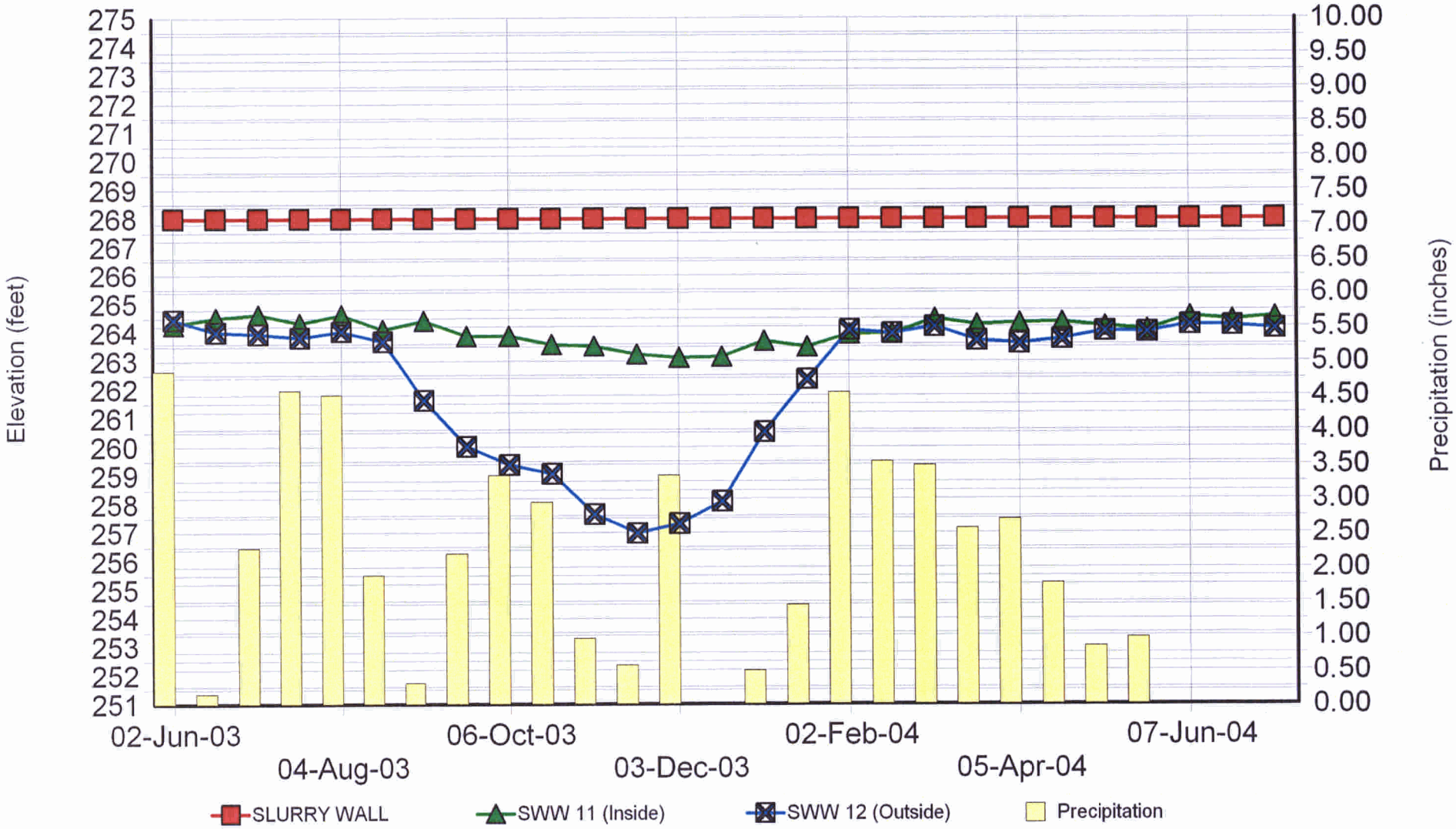
GROUNDWATER ELEVATIONS (SWW9 & SWW10)



de maximis 12-Jul-04

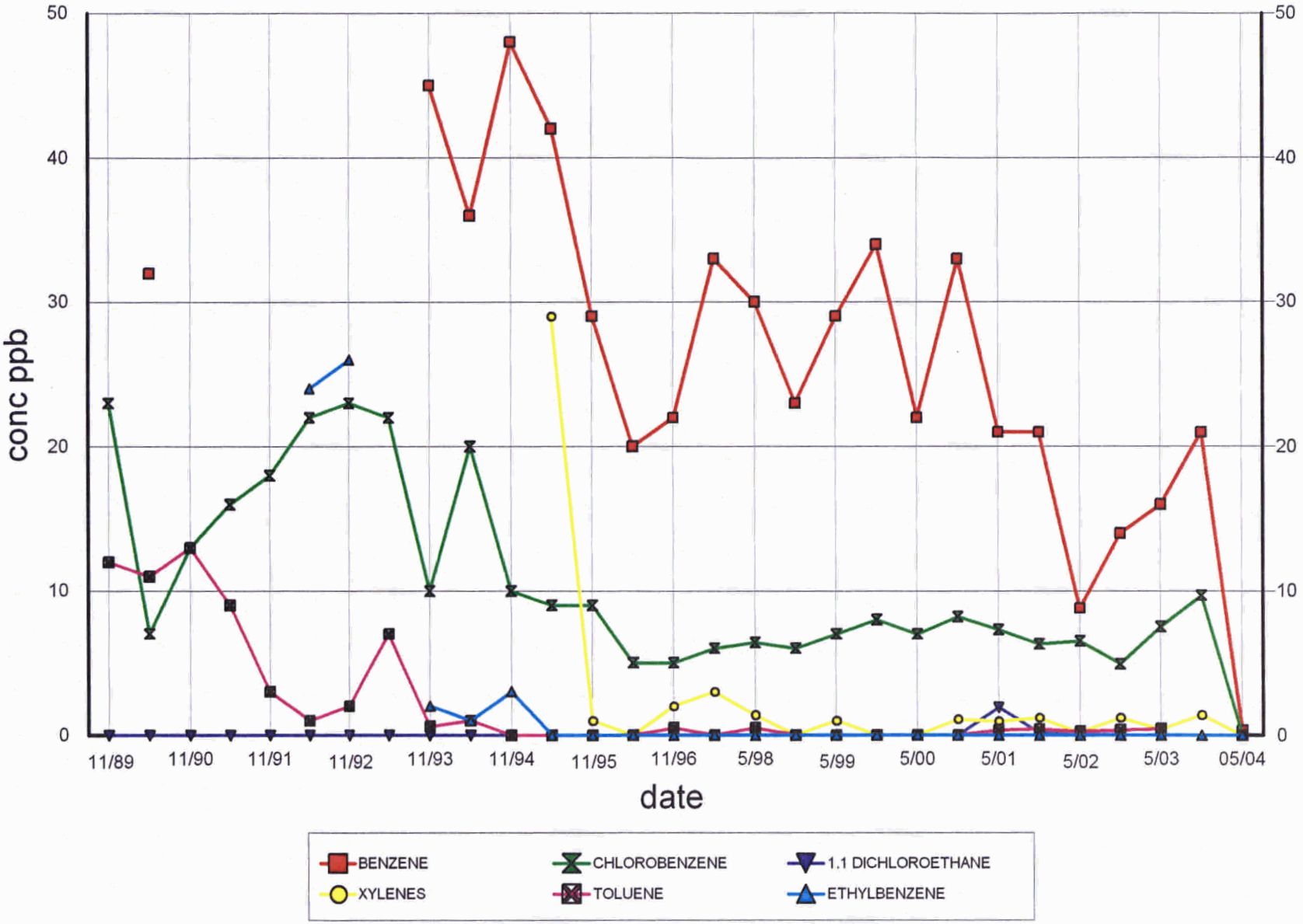
PAS - OSWEGO

GROUNDWATER ELEVATIONS (SWW11 & SWW12)



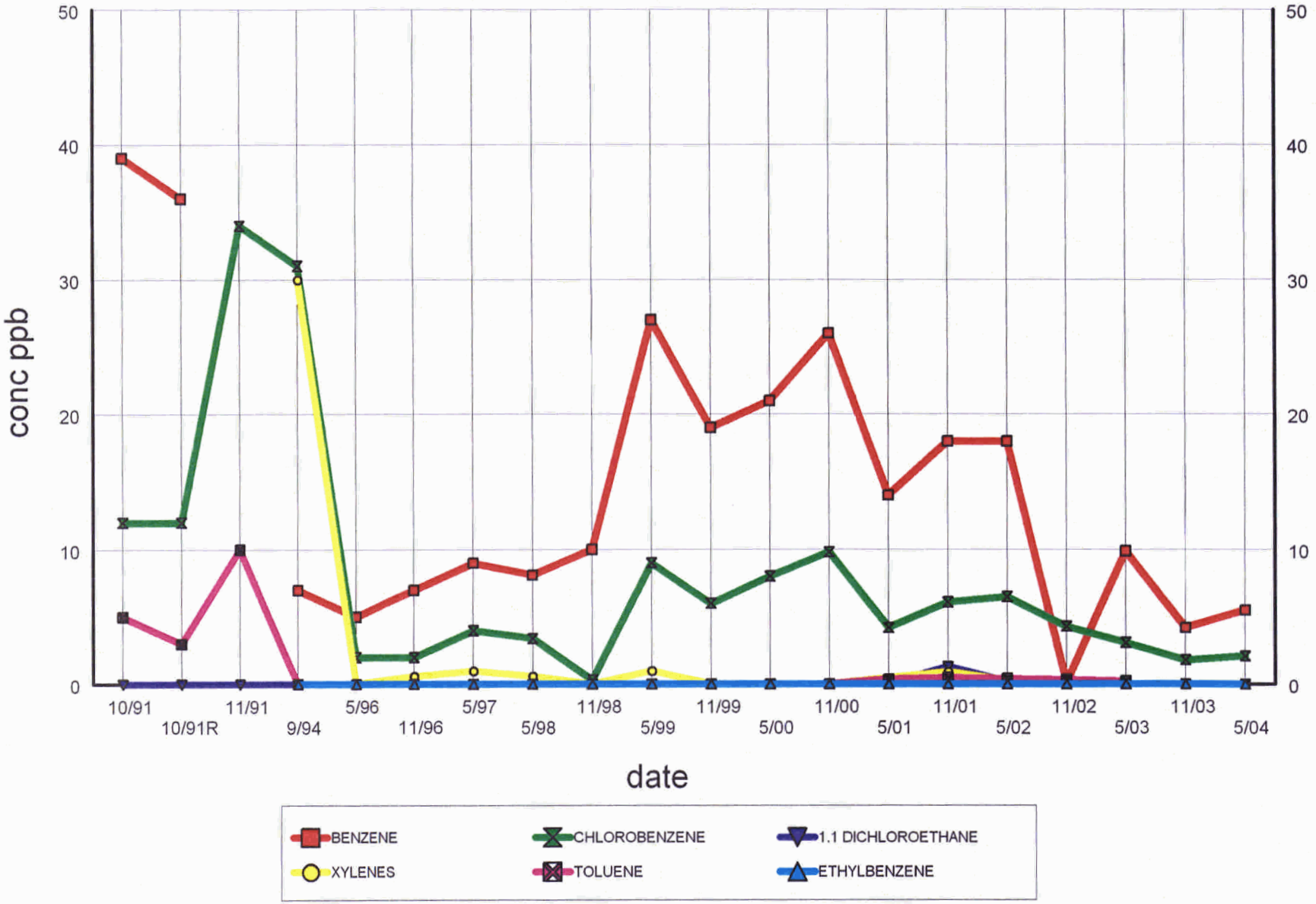
de maximis 12-Jul-04

Long Term Groundwater Monitoring at Well at LR-8



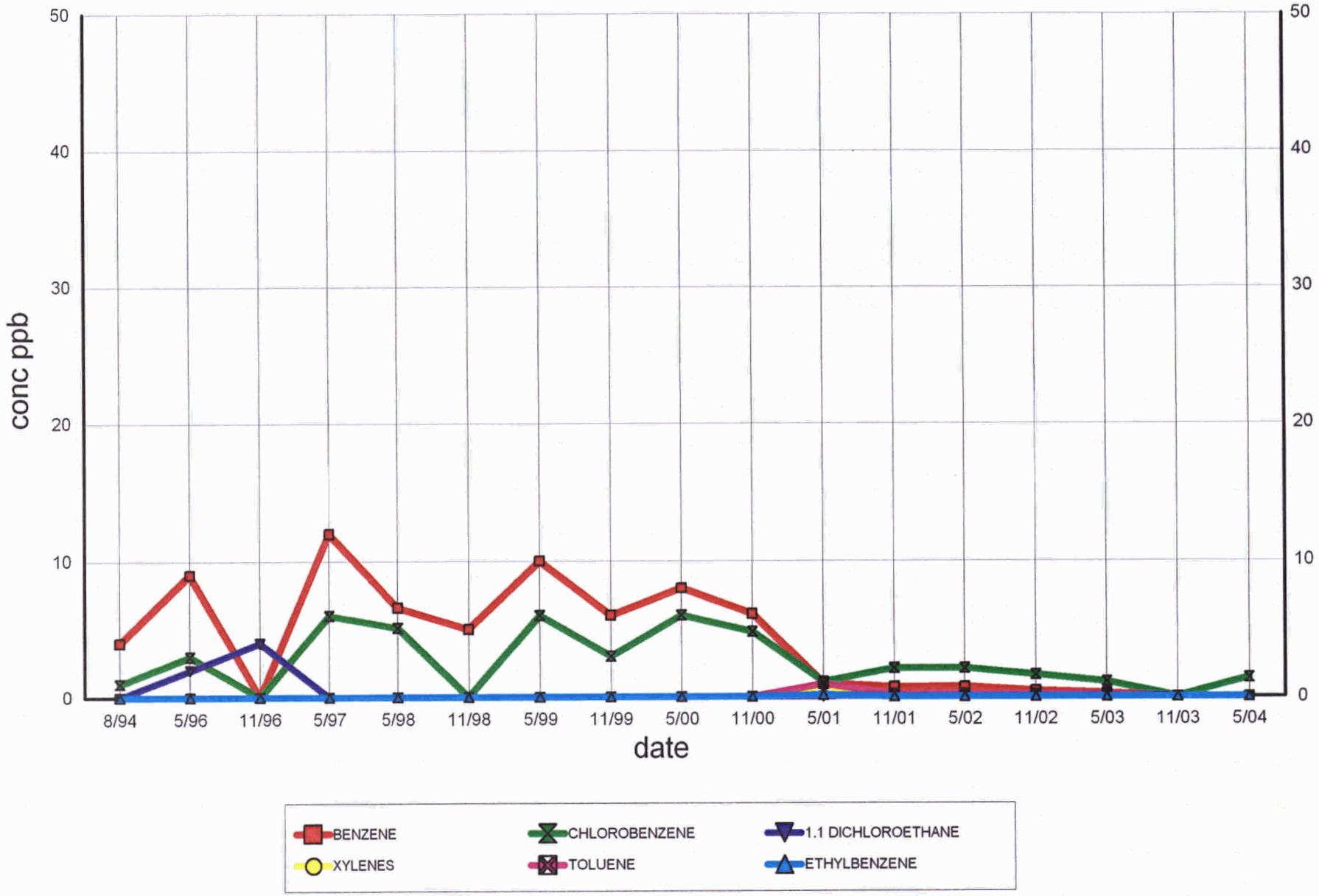
prepared by de maxmis, inc. 7/7/04

Long Term Groundwater Monitoring at Well at M-21



prepared by de maximis, inc 7/7/04

Long Term Groundwater Monitoring at Well M-25



prepared by de maxmis, inc. 7/7/04

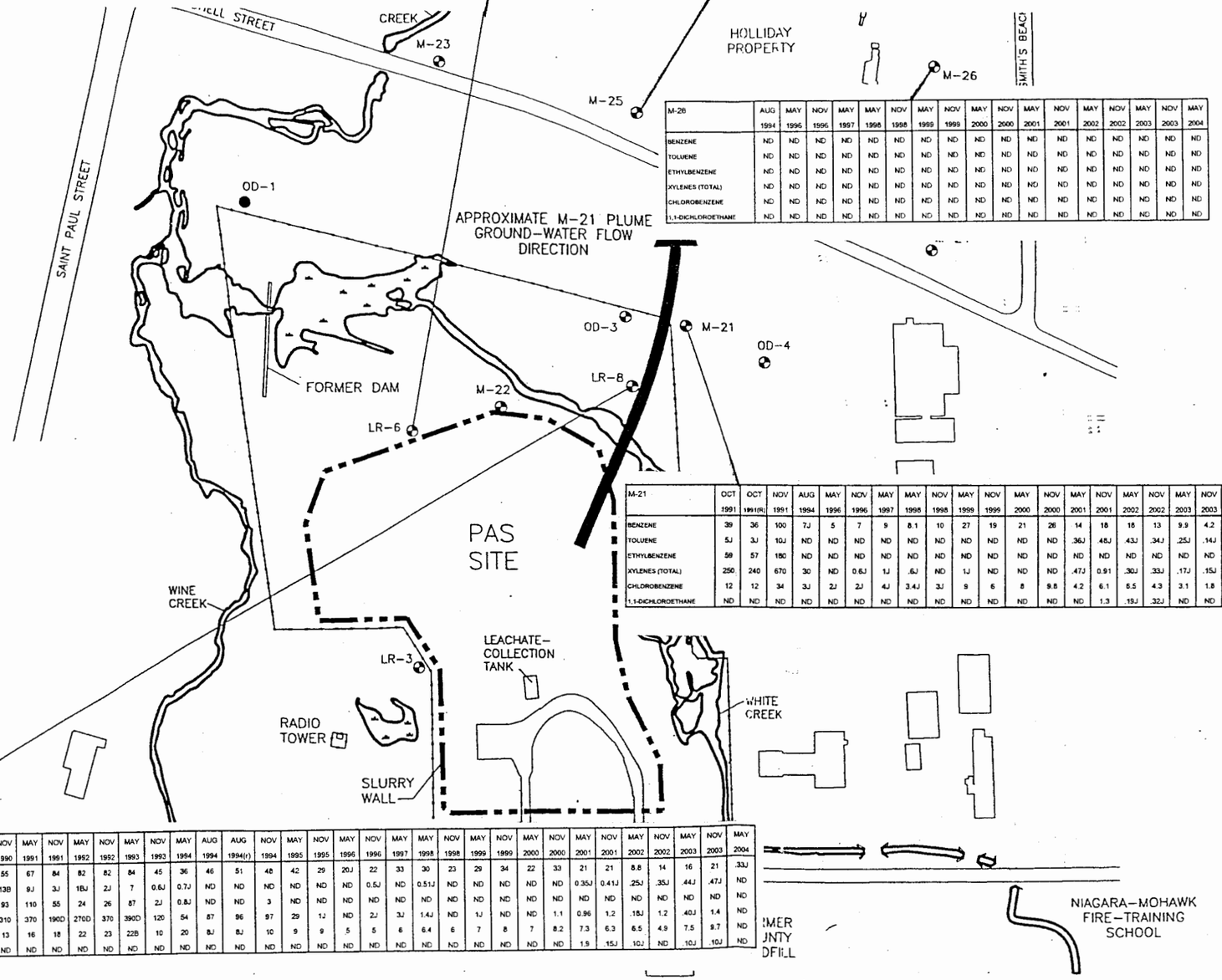
LR-6	NOV 1989	MAY 1990	NOV 1990	MAY 1991	NOV 1991	MAY 1992	NOV 1992	MAY 1993	NOV 1993	MAY 1994	AUG 1994	NOV 1994	MAY 1995	NOV 1995	MAY 1996	NOV 1996	MAY 1997	MAY 1998	NOV 1998	MAY 1999	NOV 1999	MAY 2000	NOV 2000	MAY 2001	NOV 2001	MAY 2002	NOV 2002	MAY 2003	NOV 2003	MAY 2004
BENZENE	2J	ND	1J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	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	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	ND	ND	.12J	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	ND	ND	ND	ND	ND
1,1-DICHLOROETHANE	48	67	49	34	33	14	12	8	10	8	7J	13	7	8	ND	8	5	4.2J	6	3	9	2	4.2	ND	4.1	1.6	.16J	1.6	2.1	2.1

M-25	AUG 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	NOV 2002	MAY 2003	NOV 2003	MAY 2004
BENZENE	4J	5	ND	12	6.6	5	10	6	8	6.1	0.99	0.72	0.73	.42J	.25J	ND	ND		
TOLUENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.95	.19J	.18J	.17J	.17J	ND	.33J	
ETHYLBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	.12J	ND	ND	ND	ND	ND	ND	
XYLENES (TOTAL)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.79	ND	ND	.12J	ND	ND	ND	
CHLOROBENZENE	1J	3J	ND	6	5.1	ND	6	3J	6	4.8	1.1	2.1	2.1	1.6	1.1	ND	1.4		
1,1-DICHLOROETHANE	ND	2J	4J	ND	ND	ND	ND	ND	ND	ND	ND	.12J	ND	ND	ND	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	MAY 2002	NOV 2002	MAY 2003	NOV 2003	MAY 2004
BENZENE	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND
ETHYLBENZENE	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND
CHLOROBENZENE	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	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	MAY 2002	NOV 2002	MAY 2003	NOV 2003	MAY 2004
BENZENE	39	36	100	7J	5	7	9	8.1	10	27	19	21	26	14	18	16	13	9.9	4.2	5.5
TOLUENE	5J	3J	10J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	.36J	48J	.43J	.34J	.25J	.14J	.27J
ETHYLBENZENE	59	57	180	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
XYLENES (TOTAL)	250	240	670	30	ND	0.6J	1J	.6J	ND	1J	ND	ND	ND	.47J	0.91	.30J	.33J	.17J	.15J	ND
CHLOROBENZENE	12	12	34	3J	2J	2J	4J	3.4J	3J	9	6	8	9.8	4.2	6.1	6.5	4.3	3.1	1.8	2.1
1,1-DICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.3	19J	.32J	ND	ND	ND

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	NOV 1997	MAY 1998	NOV 1998	MAY 1999	NOV 1999	MAY 2000	NOV 2000	MAY 2001	NOV 2001	MAY 2002	NOV 2002	MAY 2003	NOV 2003	MAY 2004
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	14	16	21	.33J
TOLUENE	12	11	13B	9J	3J	1BJ	2J	7	0.6J	0.7J	ND	ND	ND	ND	ND	ND	0.5J	ND	0.51J	ND	ND	ND	ND	ND	0.35J	0.41J	.25J	.35J	.44J	.47J	ND
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	ND	ND	ND	ND
XYLENES (TOTAL)	380	200	310	370	190D	270D	370	390D	120	54	87	96	97	29	1J	ND	2J	3J	1.4J	ND	1J	ND	ND	1.1	0.96	1.2	.18J	1.2	.40J	1.4	ND
CHLOROBENZENE	23	7	13	16	18	22	23	22B	10	20	8J	8J	10	9	9	9	.5	5	6	6.4	6	7	8	7	8.2	7.3	6.3	6.5	4.9	7.5	9.7	ND
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	ND	.10J	.10J	ND



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

S:

SE MAP ADAPTED FROM TOPOGRAPHIC MAP DEVELOPED
Y LOCKWOOD MAPPING, INC. BASED ON AN APRIL 14,1993
ERIAL PHOTOGRAPH; SOME WELL AND STREAM-GAUGE
OCATIONS ARE INFERRED; LOCATION OF SLURRY WALL BASED
N SITE PLAN DRAWN BY DUNN GEOSCIENCE CORP., INC.
DEC. 1994), TITLED "BORING, WELL & TEST PIT PLOT PLAN."

NALYTICAL DATA PRIOR TO AUGUST 1994 OBTAINED
ROM GOLDER ASSOCIATES, INC. (1993a) AND URS
OMPANY, INC. (1994)

3. 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).

0 200' 400'

GRAPHIC SCALE

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 (1989-2003)

O'BRIEN & GERE
INC. OF NORTH AMERICA

FIGURE 1

L: ON=*, OFF=REF
P: STD-PCP/BL
5/24/00 SYR-54-RCB
54619104/54619C01.DWG

ANNUAL PROGRESS REPORT – 3rd Quarter 2003
Operation, Maintenance and Long-term Monitoring Activities

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

PERIOD COVERED: JULY - SEPTEMBER 2003

ACTIONS COMPLETED DURING QUARTER:

- 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 31,166 gallons of leachate was removed during the period July through September of 2003. 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.

- Routine ground-water elevation monitoring was performed on July 7 and 21, August 4, and 18, September 8 and 22, 2003.

- On August 4, 2003, 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 August though September 2003, in accordance with the November 15, 1999 leachate removal protocol.

- Site maintenance activities were conducted on July 21, August 18, and September 22, 2003, 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.

- Mowing of the cap was performed on July 22 and 23, 2003.

- Continued to work cooperatively with USEPA in the development of the Institutional Control Plan.

RESULTS OF FIELD ACTIVITIES:

- Ground-water elevation data collected on July 7 and 21, August 4, and 18, September 8 and 22, 2003 are attached. (See Attachment A-1)

- The routine leachate disposal and site inspection checklists are attached (See Attachment A-2)

DOCUMENTATION OF REMOVAL ACTIVITIES DURING QUARTER:

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

JULY 2003

July 9, 2003

Manifest #	Amount (gal)	Date Removed
NYG2535003	5,246	7/9/03
NYG2534994	4,951	7/9/03

July 2003 Total = 10,197 gallons

AUGUST 2003

August 6, 2003

Manifest #	Amount (gal)	Date Removed
NYG3448926	5,143	8/6/03
NYG3448917	5,260	8/7/03

August 2003 Total = 10,403 gallons

SEPTEMBER 2003

September 10, 2003

Manifest #	Amount (gal)	Date Removed
NYG3448935	5,284	9/10/03
NYG3448944	5,282	9/10/03

September 2003 Total = 10,566 gallons

- **CUMULATIVE REMOVAL QUANTITIES**

Cumulative gallons removed during quarter under OMM Plan - *July through September 2003* **31,166**

- **LEACHATE DISPOSAL DOCUMENTATION**

July 9, 2003

BFI/CECOS Work Order Number	Manifest #	Date Disposed
285943	NYG2535003	7/9/03
285944	NYG2534994	7/9/03

August 6, 2003

BFI/CECOS Work Order Number	Manifest #	Date Disposed
286010	NYG3448926	8/6/03
286011	NYG3448917	8/7/03

September 10, 2003

BFI/CECOS Work Order Number	Manifest #	Date Disposed
286087	NYG3448935	9/10/03
286088	NYG3448944	9/10/03

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 A-4, and a density of 8.346 pounds per gallon.

ATTACHMENT A-1

GROUND-WATER ELEVATION DATA

OBG Inc. of North America
PAS Site
Oswego, New York
Pre-Pumping Monitoring Well Levels
07/07/2003

Well Number	Ground Elevation	Riser Elevation	DTW During Previous Event	Reading	Reading	Acceptable Range for DTW	Within Range? Yes	Within Range? No	Ground-Water Elevation	Reading 3
SWW1	286.20	289.33	9.46	10.15	10.15	7.85 to 9.84		x	279.18	10.15
SWW2	286.30	289.37	15.02	15.18	15.18	15.18 to 16.46			274.19	
SWW3	286.00	286.50	16.61	16.63	16.63	16.52 to 17.70	x		269.87	
SWW4	282.90	283.60	15.36	16.36	16.36	12.92 to 15.75		x	267.24	16.36
SWW5	275.90	277.02	13.65	13.25	13.25	12.78 to 14.08	x		263.77	
SWW6	270.90	273.06	8.95	9.62	9.62	7.46 to 9.18		x	263.44	9.62
SWW7	273.30	277.93	7.73	7.70	7.70	7.40 to 8.74	x		270.23	
SWW8	275.70	278.24	4.30	5.61	5.61	3.38 to 4.72		x	272.63	5.61
SWW9	283.30	285.55	16.50	16.75	16.75	16.65 to 18.30	x		268.80	
SWW10	279.30	280.43	11.94	13.25	13.25	9.04 to 12.52		x	267.18	13.25
SWW11	271.00	273.50	9.40	9.09	9.09	8.95 to 10.21	x		264.41	
SWW12	270.20	272.82	9.13	11.20	11.20	7.86 to 9.50		x	261.62	11.20
LCW-1	271.40	272.21	9.41	8.45	8.45	8.28 to 9.85	x		263.76	
LCW-2	272.60	274.44	11.66	10.69	10.69	10.53 to 12.08	x		263.75	
LCW-3	283.30	284.36	18.35	18.90	18.90	17.94 to 19.12	x		265.46	
LCW-4	283.80	285.70	17.25	16.99	16.99	17.92 to 19.43		x	268.71	16.99

OBG Inc. of North America
PAS Site
Oswego, New York
Pre-Pumping Monitoring Well Levels
07/21/2003

Well Number	Ground Elevation	Riser Elevation	DTW During Previous Event	Reading	Reading	Acceptable Range for DTW	Within Range? Yes	Within Range? No	Ground-Water Elevation	Reading 3
SWW1	286.20	289.33	9.46	10.43	10.43	7.85 to 9.84		x	278.90	10.43
SWW2	286.30	289.37	15.02	15.37	15.37	15.18 to 16.46	x		274.00	
SWW3	286.00	286.50	16.61	16.70	16.70	16.52 to 17.70	x		269.80	
SWW4	282.90	283.60	15.36	16.72	16.72	12.92 to 15.75		x	266.88	16.72
SWW5	275.90	277.02	13.65	13.68	13.68	12.78 to 14.08	x		263.34	
SWW6	270.90	273.06	8.95	9.75	9.75	7.46 to 9.18		x	263.31	9.75
SWW7	273.30	277.93	7.73	8.08	8.08	7.40 to 8.74	x		269.85	
SWW8	275.70	278.24	4.30	6.82	6.82	3.38 to 4.72		x	271.42	6.82
SWW9	283.30	285.55	16.50	17.08	17.08	16.65 to 18.30	x		268.47	
SWW10	279.30	280.43	11.94	14.18	14.18	9.04 to 12.52		x	266.25	14.18
SWW11	271.00	273.50	9.40	9.62	9.62	8.95 to 10.21	x		263.88	
SWW12	270.20	272.82	9.13	12.80	12.80	7.86 to 9.50		x	260.02	12.80
LCW-1	271.40	272.21	9.41	9.43	9.43	8.28 to 9.85	x		262.78	
LCW-2	272.60	274.44	11.66	11.67	11.67	10.53 to 12.08	x		262.77	
LCW-3	283.30	284.36	18.35	18.55	18.55	17.94 to 19.12	x		265.81	
LCW-4	283.80	285.70	17.25	16.82	16.82	17.92 to 19.43		x	268.88	16.82

OBG Inc. of North America
PAS Site
Oswego, New York
Pre-Pumping Monitoring Well Levels
08/04/2003

Well Number	Ground Elevation	Riser Elevation	DTW During Previous Event	Reading	Reading	Acceptable Range for DTW	Within Range? Yes	Within Range? No	Ground-Water Elevation	Reading 3
SWW1	286.20	289.33	10.43	10.58	10.58	8.40 to 9.96		x	278.75	10.58
SWW2	286.30	289.37	15.37	15.65	15.65	14.43 to 15.57		x	273.72	15.65
SWW3	286.00	286.50	16.70	16.76	16.76	16.08 to 17.21	x		269.74	
SWW4	282.90	283.60	16.72	16.55	16.55	13.65 to 15.86		x	267.05	16.55
SWW5	275.90	277.02	13.68	13.56	13.56	12.38 to 14.15	x		263.46	
SWW6	270.90	273.06	9.75	9.60	9.60	8.02 to 9.45		x	263.46	9.60
SWW7	273.30	277.93	8.08	8.30	8.30	7.11 to 8.23		x	269.63	8.30
SWW8	275.70	278.24	6.82	7.15	7.15	3.61 to 4.87		x	271.09	7.15
SWW9	283.30	285.55	17.08	17.45	17.45	15.80 to 17.00		x	268.10	17.45
SWW10	279.30	280.43	14.18	14.84	14.84	9.74 to 12.44		x	265.59	14.84
SWW11	271.00	273.50	9.62	9.62	9.62	8.37 to 9.90	x		263.88	
SWW12	270.20	272.82	12.80	13.45	13.45	8.28 to 9.63		x	259.37	13.45
LCW-1	271.40	272.21	9.43	8.90	8.90	7.65 to 9.91	x		263.31	
LCW-2	272.60	274.44	11.67	11.14	11.14	9.89 to 12.16	x		263.30	
LCW-3	283.30	284.36	18.55	18.75	18.75	17.52 to 18.97	x		265.61	
LCW-4	283.80	285.70	16.82	16.72	16.72	16.75 to 18.46		x	268.98	16.72
LR-2	287.50	289.85	13.92	15.22	15.22	13.42 to 15.82	x		274.63	
LR-3	275.50	278.06	8.70	10.34	10.34	8.20 to 11.82	x		267.72	
LR-6	270.90	274.39	10.80	11.94	11.94	10.30 to 13.41	x		262.45	
LR-8	270.00	273.42	10.71	11.98	11.98	10.21 to 13.10	x		261.44	
M-21	270.28	272.32	10.14	11.34	11.34	9.64 to 12.45	x		260.98	
M-22	270.40	273.88	10.50	11.62	11.62	10.00 to 13.10	x		262.26	
M-23	267.98	270.49	12.20	13.22	13.22	11.70 to 14.61	x		257.27	
M-24	276.49	277.94	15.22	16.40	16.40	14.72 to 17.26	x		261.54	
M-25	264.56	265.84	7.35	8.36	8.36	6.85 to 10.26	x		257.48	
M-26	271.85	273.38	10.27	12.10	12.10	9.77 to 15.28	x		261.28	

OBG Inc. of North America
PAS Site
Oswego, New York
Pre-Pumping Monitoring Well Levels
08/18/2003

Well Number	Ground Elevation	Riser Elevation	DTW During Previous Event	Reading	Reading	Acceptable Range for DTW	Within Range? Yes	Within Range? No	Ground-Water Elevation	Reading 3
SWW1	286.20	289.33	10.43	10.62	10.62	8.40 to 9.96		x	278.71	10.62
SWW2	286.30	289.37	15.37	15.78	15.78	14.43 to 15.57		x	273.59	15.78
SWW3	286.00	286.50	16.70	16.86	16.86	16.08 to 17.21	x		269.64	
SWW4	282.90	283.60	16.72	16.97	16.97	13.65 to 15.86		x	266.63	16.97
SWW5	275.90	277.02	13.68	13.90	13.90	12.38 to 14.15	x		263.12	
SWW6	270.90	273.06	9.75	9.86	9.86	8.02 to 9.45		x	263.20	9.86
SWW7	273.30	277.93	8.08	8.50	8.50	7.11 to 8.23		x	269.43	8.50
SWW8	275.70	278.24	6.82	7.64	7.64	3.61 to 4.87		x	270.60	7.64
SWW9	283.30	285.55	17.08	17.78	17.78	15.80 to 17.00		x	267.77	17.78
SWW10	279.30	280.43	14.18	15.23	15.23	9.74 to 12.44		x	265.20	15.23
SWW11	271.00	273.50	9.62	9.92	9.92	8.37 to 9.90		x	263.58	9.92
SWW12	270.20	272.82	12.80	13.75	13.75	8.28 to 9.63		x	259.07	13.75
LCW-1	271.40	272.21	9.43	9.32	9.32	7.65 to 9.91	x		262.89	
LCW-2	272.60	274.44	11.67	11.57	11.57	9.89 to 12.16	x		262.87	
LCW-3	283.30	284.36	18.55	18.48	18.48	17.52 to 18.97	x		265.88	
LCW-4	283.80	285.70	16.82	17.42	17.42	16.75 to 18.46	x		268.28	

OBG Inc. of North America
PAS Site
Oswego, New York
Pre-Pumping Monitoring Well Levels
09/08/2003

Well Number	Ground Elevation	Riser Elevation	DTW During Previous Event	Reading	Reading	Acceptable Range for DTW	Within Range?		Ground-Water Elevation	Reading 3
							Yes	No		
SWW1	286.20	289.33	10.62	10.90	10.90	8.40 to 9.96		x	278.43	10.90
SWW2	286.30	289.37	15.78	16.16	16.16	14.43 to 15.57		x	273.21	16.16
SWW3	286.00	286.50	16.86	17.06	17.06	16.08 to 17.21	x		269.44	
SWW4	282.90	283.60	16.97	17.28	17.28	13.65 to 15.86		x	266.32	17.28
SWW5	275.90	277.02	13.90	13.65	13.65	12.38 to 14.15	x		263.37	
SWW6	270.90	273.06	9.86	10.03	10.03	8.02 to 9.45		x	263.03	10.03
SWW7	273.30	277.93	8.50	8.81	8.81	7.11 to 8.23		x	269.12	8.81
SWW8	275.70	278.24	7.64	9.14	9.14	3.61 to 4.87		x	269.10	9.14
SWW9	283.30	285.55	17.78	18.28	18.28	15.80 to 17.00		x	267.27	18.28
SWW10	279.30	280.43	15.23	16.31	16.31	9.74 to 12.44		x	264.12	16.31
SWW11	271.00	273.50	9.92	9.98	9.98	8.37 to 9.90		x	263.52	9.98
SWW12	270.20	272.82	13.75	15.17	15.17	8.28 to 9.63		x	257.65	15.17
LCW-1	271.40	272.21	9.32	8.80	8.80	7.65 to 9.91	x		263.41	
LCW-2	272.60	274.44	11.57	11.04	11.04	9.89 to 12.16	x		263.40	
LCW-3	283.30	284.36	18.48	18.84	18.84	17.52 to 18.97	x		265.52	
LCW-4	283.80	285.70	17.42	17.11	17.11	16.75 to 18.46	x		268.59	

OBG Inc. of North America
PAS Site
Oswego, New York
Pre-Pumping Monitoring Well Levels
09/22/2003

Well Number	Ground Elevation	Riser Elevation	DTW During Previous Event	Reading	Reading	Acceptable Range for DTW	Within Range? Yes	Within Range? No	Ground-Water Elevation	Reading 3
SWW1	286.20	289.33	10.62	11.14	11.14	8.40 to 9.96		x	278.19	11.14
SWW2	286.30	289.37	15.78	16.37	16.37	14.43 to 15.57		x	273.00	16.37
SWW3	286.00	286.50	16.86	17.18	17.18	16.08 to 17.21	x		269.32	
SWW4	282.90	283.60	16.97	17.35	17.35	13.65 to 15.86		x	266.25	17.35
SWW5	275.90	277.02	13.90	13.95	13.95	12.38 to 14.15	x		263.07	
SWW6	270.90	273.06	9.86	10.03	10.03	8.02 to 9.45		x	263.03	10.03
SWW7	273.30	277.93	8.50	8.90	8.90	7.11 to 8.23		x	269.03	8.90
SWW8	275.70	278.24	7.64	9.79	9.79	3.61 to 4.87		x	268.45	9.79
SWW9	283.30	285.55	17.78	18.65	18.65	15.80 to 17.00		x	266.90	18.65
SWW10	279.30	280.43	15.23	17.16	17.16	9.74 to 12.44		x	263.27	17.16
SWW11	271.00	273.50	9.92	10.27	10.27	8.37 to 9.90		x	263.23	10.27
SWW12	270.20	272.82	13.75	15.84	15.84	8.28 to 9.63		x	256.98	15.84
LCW-1	271.40	272.21	9.32	9.42	9.42	7.65 to 9.91	x		262.79	
LCW-2	272.60	274.44	11.57	11.68	11.68	9.89 to 12.16	x		262.76	
LCW-3	283.30	284.36	18.48	18.60	18.60	17.52 to 18.97	x		265.76	
LCW-4	283.80	285.70	17.42	17.64	17.64	16.75 to 18.46	x		268.06	

ATTACHMENT A-2

SITE INSPECTION CHECKLIST AND LEACHATE DISPOSAL

O'Brien and Gere Inc., of North America

PAS Site
Oswego, New York

Site Inspection Checklist

Date: 7-7-03 Time: 8:30A

Personnel: Anthony J. Cross Weather: -Cloudy

Site Feature	Previous Inspection Date	Condition/Maintenance Activity
Cap	6-21-03	
Burrowing Animals	None Visible	
Cap Vegetation	OK.	Schedule for Mow
Concrete Drainage Trough	OK	
French Drain	OK	
Weeds	NA	
Leachate Collection System		
Pumps	OK.	
Pump Controls/Alarms	NA	
Tank Level	18"	
Monitoring Wells		
Locks	OK	
Riser	OK	
Surface Completion	OK	
General Site Conditions		
Foliage	Good Work	
Perimeter Fence	Needs to be Cleaned + Some Repair	
Site Access Drive	OK	
Stream Gauges	NA	
Other Items		
Equipment Storage Shed	OK	
Fire Extinguisher	OK	
Spill Control Materials	OK	

REMARKS/SPECIAL MAINTENANCE: (includes separate detailed maintenance report, if necessary)

O'Brien and Gere Inc., of North America

PAS Site
Oswego, New York

Leachate Disposal Checklist

Project Personnel: MARTIN KOENNECKE Time on Site: 7:15

Transportation Subcontractor: BFC

Leachate Destination: CECOS

Date: 7-9-03

Well	Leachate Collection Well Pumping		Well Pumping Flow Rate Analysis		Flow Rate Calculation	Remarks
	Start Time	Stop Time	Time	Tank Elev.(ft Down)		
LCW-1	7:30	9:30	SEE Below			71 GPM
LCW-2	7:30	9:30	"	"	"	
LCW-3	7:30	9:30	"	"	"	
LCW-4	NOT	PUMPED				

Leachate Holding Tank: START - 13" [redacted] 34" = 10370 gal
38" PUMPED 7" After pump out

Initial Flow Meter Reading: NA
Final Flow Meter Reading:

71 GPM 34" x 305 gal/F 10370

Load	(Pre-Loading) Tanker		(Post-Loading) Tanker		Destination	
	Time	Confirmed Clean	Time	Tanker Volume (by Stick Mass)	Manifest	Remarks
Load #1	8:20	Yes	9:40	47.5"	NYG 2535003	WO# 285943
Load #2	9:40	Yes	10:20	51.5"	NYG 2534994	WO# 285944
Load #3						
Load #4						

O'Brien and Gere Inc., of North America

PAS Site
Oswego, New York

Site Inspection Checklist

Date: 7-21-03 Time: 8:30

Personnel: MARTIN Koennecke Weather: RAIN, P-CLOUDY

Site Feature	Previous Inspection Date	Condition/Maintenance Activity
Cap	7-7-03	
Burrowing Animals	NONE VISABLE	
Cap Vegetation	OK	STARTED MOWING
Concrete Drainage Trough	OK	
French Drain	OK	
Weeds	NA	
Leachate Collection System		
Pumps	RESPONDING	
Pump Controls/Alarms	NA	
Tank Level	7"	
Monitoring Wells		
Locks	OK	OILED MOST
Riser	OK	
Surface Completion	OK	
General Site Conditions		
Foliage	GOOD	
Perimeter Fence	NEED CLEARING MORE	REPAIR
Site Access Drive	OK	
Stream Gauges	NA	
Other Items		
Equipment Storage Shed	OK	
Fire Extinguisher	OK	
Spill Control Materials	OK STOCKED	

REMARKS/SPECIAL MAINTENANCE: (includes separate detailed maintenance report, if necessary)

STARTED mowing SITE

O'Brien and Gere Inc., of North America

PAS Site
Oswego, New York

Site Inspection Checklist

Date: 8-4-03 Time: 10:00

Personnel: MARTin Koennecke Weather: Hot Humid / Thunder Storms

Site Feature	Previous Inspection Date	Condition/Maintenance Activity
Cap	7-21-03	
Burrowing Animals	none visable	
Cap Vegetation	Good	
Concrete Drainage Trough	OK	
French Drain	OK	
Weeds	NA	
Leachate Collection System		
Pumps	1 2 4 OK	Pump 3 NOT Pumping
Pump Controls/Alarms	NA	
Tank Level	5"	
Monitoring Wells		
Locks	OK	
Riser	OK	
Surface Completion	Good	
General Site Conditions		
Foliage	Good	
Perimeter Fence	Needs minor Repair	
Site Access Drive	OK	
Stream Gauges	NA	
Other Items		
Equipment Storage Shed	OK	
Fire Extinguisher	OK	
Spill Control Materials	OK - Stocked	

REMARKS/SPECIAL MAINTENANCE: (includes separate detailed maintenance report, if necessary) Pump 3 not Pumping checked Fuses IN control panel All checked OK need To Trouble Shoot Further

O'Brien and Gere Inc., of North America

PAS Site
Oswego, New York

Leachate Disposal Checklist

Project Personnel: MARTIN Koennecke

Transportation Subcontractor: BFC

Leachate Destination: CECOS

Date: 8-6-03 AND 8-7-03

8-6-03
Time on Site: 6:30 AM
8-7-03 - 800 AM

Well	Leachate Collection Well Pumping		Well Pumping Flow Rate Analysis		Flow Rate Calculation	Remarks
	Start Time	Stop Time	Time	Tank Elev.(ft Down)		
LCW-1	6:30	8:00				
LCW-2	6:30	8:00				
LCW-3	6:30	8:00				Low water Level in well
LCW-4	6:30	8:00				

Leachate Holding Tank: START - 7" STOP 43 25" After 1 LOAD pumped
6" After 2ND LOAD pumped

Initial Flow Meter Reading:
Final Flow Meter Reading: NA 122 GPM

Load	(Pre-Loading) Tanker		(Post-Loading) Tanker		Destination	Remarks
	Time	Confirmed Clean	Time	Tanker Volume (by Stick Mass)	Manifest	
8-6-03 Load #1	8:20	Yes	9:10	55"	NYG 3448926	WO# 286010
8-7-03 Load #2	8:30	Yes	9:20	58"	NYG 3448917	WO# 286011
Load #3						
Load #4						

O'Brien and Gere Inc., of North America

PAS Site
Oswego, New York

Site Inspection Checklist

Date: 8-18-03 Time: 10:30

Personnel: Martin Koennecke Weather: Sunny 70°

Site Feature	Previous Inspection Date	Condition/Maintenance Activity
Cap	8-4-03	
Burrowing Animals	None visible	
Cap Vegetation	Good	
Concrete Drainage Trough	ok	Needs Trimming
French Drain	ok	
Weeds	NA	
Leachate Collection System		
Pumps	Responding	
Pump Controls/Alarms	NA	
Tank Level	6"	
Monitoring Wells		
Locks	OK	
Riser	OK	
Surface Completion	Good	
General Site Conditions		
Foliage	Good	
Perimeter Fence	Need some Trimming + minor Repair	
Site Access Drive	OK	
Stream Gauges	NA	
Other Items		
Equipment Storage Shed	OK	Sprayed - Large wasp nest in Building
Fire Extinguisher	OK	
Spill Control Materials	OK Stocked	

REMARKS/SPECIAL MAINTENANCE: (includes separate detailed maintenance report, if necessary)

NI MD meter = 02876

O'Brien and Gere Inc., of North America

PAS Site
Oswego, New York

Site Inspection Checklist

Date: 9-8-03 Time: 8:00

Personnel: MARTIN Koennecke Weather: Sunny 65°

Site Feature	Previous Inspection Date	Condition/Maintenance Activity
Cap	8-18-03	
Burrowing Animals	NONE VISABLE	
Cap Vegetation	good	
Concrete Drainage Trough	Vegitation GROWING OVER	will TRIM WEDNESDAY 9-10-03
French Drain	OK	
Weeds	NA	
Leachate Collection System		
Pumps	Responding	
Pump Controls/Alarms	NA	
Tank Level	6"	
Monitoring Wells		
Locks	OK	
Riser	OK	
Surface Completion	GOOD	
General Site Conditions		
Foliage	GOOD	
Perimeter Fence	MINOR REPAIRS ALONG ROAD	
Site Access Drive	OK	
Stream Gauges	NA	
Other Items		
Equipment Storage Shed	OK	
Fire Extinguisher	Replaced with ONE CURRENT Inspection	
Spill Control Materials	OK STOCKED WITH	

REMARKS/SPECIAL MAINTENANCE: (includes separate detailed maintenance report, if necessary) No mo meter - 02876

O'Brien and Gere Inc., of North America

PAS Site
Oswego, New York

Leachate Disposal Checklist

Project Personnel: MARTin Koenecke Time on Site: 7:00 Am

Transportation Subcontractor: BFC

Leachate Destination: CECOS

Date: 9-10-03

Well	Leachate Collection Well Pumping		Well Pumping Flow Rate Analysis		Flow Rate Calculation	Remarks
	Start Time	Stop Time	Time	Tank Elev.(ft Down)		
LCW-1	7:00	8:30		See	Below	
LCW-2	7:00	8:30				
LCW-3	7:00	8:30				
LCW-4	7:00	8:30				

Leachate Holding Tank: START - 6" STOP - 48" After pump out - 14"

305 x 42" = 12810 ÷ 90 = 142 gpm

Initial Flow Meter Reading:
Final Flow Meter Reading: NA

2 Load 34" EST 10370 gal

Load	(Pre-Loading) Tanker		(Post-Loading) Tanker		Destination	Remarks
	Time	Confirmed Clean	Time	Tanker Volume (by Stick Mass)	Manifest	
Load #1	8:30	Yes	9:30	48"	NYG 3448935	WO# 286087
Load #2	9:30	Yes	10:15	60"	NYG 3448944	WO# 286088
Load #3						
Load #4						

O'Brien and Gere Inc., of North America

PAS Site
Oswego, New York

Site Inspection Checklist

Date: 9-22-03 Time: 8:30

Personnel: MARTIN Kaennecke Weather: OVERCAST 60°

Site Feature	Previous Inspection Date	Condition/Maintenance Activity
Cap	9-8-03	
Burrowing Animals	NONE VISABLE	
Cap Vegetation	GOOD	
Concrete Drainage Trough	OK	
French Drain	OK	
Weeds	NA	
Leachate Collection System		
Pumps	Responding	
Pump Controls/Alarms	NA	
Tank Level	14"	
Monitoring Wells		
Locks	OK	
Riser	OK	
Surface Completion	GOOD	
General Site Conditions		
Foliage	GOOD	
Perimeter Fence	OK	
Site Access Drive	OK	
Stream Gauges	NA	
Other Items		
Equipment Storage Shed	OK	
Fire Extinguisher	OK	
Spill Control Materials	OK STOCKED	

REMARKS/SPECIAL MAINTENANCE: (includes separate detailed maintenance report, if necessary)

ATTACHMENT A-3

HAZARDOUS WASTE MANIFESTS

NYG 2535003

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST

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

Please type or print. Do not staple

(Hazardous Waste Manifest 1/5/99)

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No.	Manifest Doc. No.	2. Page 1 of	Information within heavy bold line is not required by Federal Law.
	NYD000511659	00080	1	

3. Generator's Name and Mailing Address
PAS Oswego Site PArticipation Agreement Parties
c/o O'Brien & Gere Inc. of North America
5000 Brittonfield Parkway, E. Syracuse, NY 13057

4. Generator's Telephone Number ( )

A. NYG 2535003

B. Generator's ID Pollution Abatement Servic site, E. Seneca St. Oswego, NY 13126

5. Transporter 1 (Company Name)	6. US EPA ID Number
Buffalo Fuel Corporation	NYR000045724
7. Transporter 2 (Company Name)	8. US EPA ID Number

C. State Transporter's ID AD250544N

D. Transporter's Telephone (800) 677-8003

E. State Transporter's ID

F. Transporter's Telephone ( )

9. Designated Facility Name and Site Address	10. US EPA ID Number
CECOS International Inc. 5600 Niagara Falls Blvd niagara Falls, NY 14303	NYD080836241

G. State Facility ID

H. Facility Telephone (716 282-2676

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, Waste, Environmentally Hazardous Substance Liquid, 9, n.o.s., UN3082, PGIII, Multi-Source Leachate, F039 (Benzene, Toluene, Xylene)	001	TT	05000 EST.	G	EPA F039 STATE
b.					EPA STATE
c					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials listed Above
Water 99% Toluene 0.00045%
o Xylene 0.0011%, Benzene 0.00007%

K. Handling Codes for Wastes Listed Above
a T c
b d

15. Special Handling Instructions and Additional Information
Emergency Response Refer to ERG-171
24 hour Contact (800) 677-8003
Product Code: 12451-AAB
Work ORder NO: 285943

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name Martin Koennecke (as Agent for PAS site PArticipation Agreement Parties) Signature as agent Martin Koennecke Mo. 07 Day 09 Year 03

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name BRIAN PORTER Signature Brian Porter Mo. 07 Day 09 Year 03

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name Signature Mo. Day Year

19. Discrepancy Indication Space
Quantity received = 21.89 tons

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name John Gallozzo Signature John Gallozzo Mo. 07 Day 09 Year 03

GENERATOR

TRANSPORTER

FACILITY

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

COPY 5—Generator—Mailed by TSD Facility

NYG 2534994

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST

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

Please type or print. Do not staple

(Hazardous Waste Manifest 1/5/99)

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No.	Manifest Doc. No.	2. Page 1 of	Information within heavy bold line is not required by Federal Law.
	NYD000511659	00081	1	

3. Generator's Name and Mailing Address
PAS Oswego Site PArticipation Agreement Parties
c/o O'Brien & Gere Inc. of North America
5000 Brittonfield PArkway, E. Syracuse, NY 13057

4. Generator's Telephone Number ( )

A. NYG 2534994

B. Generator's ID Pollution Abatement Servi
site, E. Seneca St. Oswego, NY 1 126

C. State Transporter's ID AC25489 NJ

D. Transporter's Telephone (800) 677-8003

E. State Transporter's ID

F. Transporter's Telephone ( )

G. State Facility ID

H. Facility Telephone (716) 282-2676

5. Transporter 1 (Company Name): Buffalo Fuel Corporation
6. US EPA ID Number: NYR000045724

7. Transporter 2 (Company Name)
8. US EPA ID Number

9. Designated Facility Name and Site Address
CECOS International Inc.
5660 Niagara Falls Blvd
Niagara Falls, NY 14303

10. US EPA ID Number: NYD080336241

	11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.	RQ, Waste, Environmentally Hazardous Substance Liquid, 9, n.o.s., UN3082, PGIII, Multi-Source Leachate, F039 (Benzene, Toluene, Xylene)	001	TT	04000	G	EPA F039 / STATE
b.						EPA / STATE
c.						EPA / STATE
d.						EPA / STATE

J. Additional Descriptions for Materials listed Above
Water 99% Toluene 0.00045%
a Xylene 0.0011%, Benzene 0.00007% c
b d

K. Handling Codes for Wastes Listed Above
a T c
b d

15. Special Handling Instructions and Additional Information
Emergency Response Refer to ERG-171
24 Hour Contact (800) 677-8003
Product Code: 124510AAB
Work Order NO: 285944

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Martin Koennecke (as agent for PAS Site PArticipation Agreement Parties)
Signature: as agent Martin Koennecke
Mo. 07 Day 09 Year 03

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Kathy Krecia
Signature: Kathy Krecia
Mo. 07 Day 09 Year 03

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Mo. Day Year

FACILITY

19. Discrepancy Indication Space
Quantity received = 20.66 tons

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: John Gallizzo
Signature: John Gallizzo
Mo. 07 Day 09 Year 03

GENERATOR

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

COPY 5—Generator—Mailed by TSD Facility

NYG 3448926

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST

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

Please type or print. Do not staple

(Hazardous Waste Manifest 1/5/90)

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No.	Manifest Doc. No.	2. Page 1 of	Information within heavy bold line is not required by Federal Law.
	NYD000511659	000[illegible]	1	

3. Generator's Name and Mailing Address
PAS Oswego Site Participation Agreement Parties
c/o O'brien & Gere Inc. of North America
5000 Brittonfield Parkway, E. Syracuse, NY 13057

4. Generator's Telephone Number ( )

A. NYG 3448926

B. Generator's ID Pollution Abatement Servic
Site, E. Seneca St. Oswego, NY 13126

5. Transporter 1 (Company Name)	6. US EPA ID Number	C. State Transporter's ID AC-25-165 NY
Buffalo Fuel Corporation	NYR000045724	D. Transporter's Telephone (800) 677-8003
7. Transporter 2 (Company Name)	8. US EPA ID Number	E. State Transporter's ID
		F. Transporter's Telephone ( )
9. Designated Facility Name and Site Address	10. US EPA ID Number	G. State Facility ID
CECOS International Inc. 5600 Niagara Falls Blvd Niagara Falls, NY 14303	NYD080336241	H. Facility Telephone (716) 282-2676

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, Waste, Environmentally Hazardous Substance Liquid, 9, n.o.s., UN3082, PG111, Multi-Source Leachate, F039 (Benzene, Toluene, Xylene)	001	TT	05000 EST	G	EPA F039 STATE
b.					EPA STATE
c					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials listed Above
Water 99% Toluene 0.0004%
a Xylene 0.001%, Benzene 0.00007% c
b d

K. Handling Codes for Wastes Listed Above
a T c
b d

15. Special Handling Instructions and Additional Information
Emergency Response Refer to ERD-171
24 Hour Contact (800) 677-8003
Product Code: 12451-AAB
Work Order NO: 286010

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.
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Printed/Typed Name	Signature	Mo.	Day	Year
Martin Koernecke (as agent for PAS Site PArticiaption Agreement Parties)	Martin Koernecke	08	06	03

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year
E Wilson	E Wilson	08	06	03

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year

19. Discrepancy Indication Space
Quantity received = 21.46 tons

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Mo.	Day	Year
John Galluzzo	John Galluzzo	08	06	03

GENERATOR

TRANSPORTER

FACILITY

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

COPY 5—Generator—Mailed by TSD Facility

NYG 3448917

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST

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

Please type or print. Do not staple

(Hazardous Waste Manifest 1/5/99)

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No.	Manifest Doc. No.	2. Page 1 of	Information within heavy bold line is not required by Federal Law.
	NYD000511659	00083	1	

3. Generator's Name and Mailing Address
PAS Oswego Site PArticipation Agreement Parties
c/o O'Brien & Gere Inc. of North America
5000 Brittonfield PArkway, E. Syracuse, NY 13057

4. Generator's Telephone Number ( )

A. NYG 3448917

B. Generator's ID Pollution Abatement Servic
Site, E. Seneca St. Oswego, NY 13126

5. Transporter 1 (Company Name)	6. US EPA ID Number	C. State Transporter's ID ACJ54/85 NY
Buffalo Fuel Corporation	NYR000045724	D. Transporter's Telephone (800) 677-8003
7. Transporter 2 (Company Name)	8. US EPA ID Number	E. State Transporter's ID
		F. Transporter's Telephone ( )
9. Designated Facility Name and Site Address	10. US EPA ID Number	G. State Facility ID
CECOS International Inc. 5600 Niagara Falls Blvd Niagara Falls, NY 14303	NYD088033624 1	H. Facility Telephone (716) 282-2676

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, Waste, Environmentally Hazardous Substance Liquid, 9, n.o.s., UN3082, PGIII, Multi-Source Leachate, F039 (Benzene, Toluene, Xylene)	001	TT	EST. 05000	G	EPA F039 STATE
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials listed Above
a. Water 99% Toluene 0.00045%
Xylene 0.0011%, Benzene 0.00007%

K. Handling Codes for Wastes Listed Above
a. T c.
b. d.

15. Special Handling Instructions and Additional Information
Emergency Response Refer to ERG-171
24 Hour Contact (800) 677-8003
Product Code: 12451-AAb
Work Order NO: 286011

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.
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Printed/Typed Name	Signature	Mo.	Day	Year
Martien Koenecke (an agent for PAS site participation Agreement Parties)	Martien Koenecke as agent	08	07	03

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year
		08	25	03

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year
Quantity				

19. Discrepancy Indication Space
Quantity Received 21.95 Tons

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Mo.	Day	Year
Tim Clark	Tim Clark	08	07	03

GENERATOR

TRANSPORTER

FACILITY

In case of agency or spill immediately call the National Response Center (800) 424-8802 and the NYS Department of Environmental Conservation (518) 457-7362

COPY 5—Generator—Mailed by TSD Facility

NYG 3448935

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST

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

Please type or print. Do not staple

(Hazardous Waste Manifest 1/5/99)

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No.	Manifest Doc. No.	2. Page 1 of	Information within heavy bold line is not required by Federal Law.
	NYD000511659	000085	1	

3. Generator's Name and Mailing Address
PAS OSwego Site PArticipation Agreement Parties
c/o O'Brien & Gere Inc.,of North America
5000 Brittonfield Parkway, E. Syracuse, NY 13057

4. Generator's Telephone Number ( )

A. NYG 3448935

B. Generator's ID Pollution Abatement Servic
Site, E. Seneca St. Owego, NY 13126

5. Transporter 1 (Company Name)	6. US EPA ID Number
Buffalo Fuel Corporation	NYR000045724
7. Transporter 2 (Company Name)	8. US EPA ID Number

C. State Transporter's ID 40155555 NY
D. Transporter's Telephone (800) 677-8003
E. State Transporter's ID
F. Transporter's Telephone ( )

9. Designated Facility Name and Site Address	10. US EPA ID Number
CECOS International Inc. 5600 Niagara Falls Blvd Niagara Falls, NY 14303	NYD080336241

G. State Facility ID
H. Facility Telephone (716) 282-2676

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, Waste, Environmentally Hazardous Substance Liquid, 9, n.o.s., UN3082, PGIII, Multi-Source Leachate, F039 (Benzene, Toluene, Xylene)	001	TT	EST 5000	G	EPA F039 STATE
b.					EPA STATE
c					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials listed Above
Water 99% Toluene 0.00045%
a Xylene 0.0011%, Benzene 0.0007%
b
c
d

K. Handling Codes for Wastes Listed Above
a
b
c
d

15. Special Handling Instructions and Additional Information

Emergency Response Refer to ERG-171
24 Hour Contact (800) 677-8003

PRoduct Code: 12451-AAB
Work Order No: 286087

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.
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Printed/Typed Name	Signature	Mo.	Day	Year
Martin Koennecke (as agent for PAS Site PArticipation Agreement Parties)	Martin Koennecke	09	10	03

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year
Samuel Long	Samuel Long	09	10	03

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year

19. Discrepancy Indication Space
Quantity Received = 22.05 tons

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Mo.	Day	Year
John Galluzzo	John Galluzzo	09	10	03

GENERATOR

TRANSPORTER

FACIL

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

COPY 5—Generator—Mailed by TSD Facility

NYG 3448944

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST

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

Please type or print. Do not staple

(Hazardous Waste Manifest 1/5/99)

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No.	Manifest Doc. No.	2. Page 1 of	Information within heavy bold line is not required by Federal Law.
	NYD000511659	000084	1	

3. Generator's Name and Mailing Address
PAS Oswego Site PArticipation Agreement Parties
c/o O'Brien & Gere Inc. of North America
5000 Brittonfield Parkway, E. Syracuse, NY 13057

4. Generator's Telephone Number ( )

A. NYG 3448944

B. Generator's ID Pollution Abatement Servic
Site, E, Seneca St. Oswego, NY 13126

5. Transporter 1 (Company Name)	6. US EPA ID Number
Buffalo Fuel Corporation	NYR000045724
7. Transporter 2 (Company Name)	8. US EPA ID Number

C. State Transporter's ID AC25489 NJ
D. Transporter's Telephone (800) 677-8003
E. State Transporter's ID
F. Transporter's Telephone ( )

9. Designated Facility Name and Site Address	10. US EPA ID Number
CECOS International Inc. 5600 Niagara Falls Blvd. Niagara Falls, NY 14303	NYD053362411

G. State Facility ID

H. Facility Telephone (716) 282-2676

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, Waste, Environmentally Hazardous Substance Liquid, 9, n.o.s., UN3082, PGIII, Multi-Source Leachate, F039 (Benzene, Toluene, Xylene	001	TT	EST. 5000	G	EPA F039 STATE
b.					EPA STATE
c					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials listed Above		K. Handling Codes for Wastes Listed Above	
Water 99% Toluene 0.00045% Xylene 0.0011%, Benzene 0.00007%	c	a	c
b	d	b	d

15. Special Handling Instructions and Additional Information

Emergency Response Refer to ERG-171
24 Hour COntact (800) 677-8003

Product Code: 12451-AAB
Work Order No: 286088

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.
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Printed/Typed Name	Signature	Mo.	Day	Year
Martin Koennecke (as agent for PAS Site PArticipation Agreement Parties)	AS Agent Martin Koennecke	09	10	03

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year
E Wilkins	E Wilkins	09	10	03

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year

19. Discrepancy Indication Space
Quantity Received = 22.04 tons

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Mo.	Day	Year
John Gallozzo	John Gallozzo	09	10	03

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

GENERATOR

TRANSPORTER

FACILITY

COPY 5—Generator—Mailed by TSD Facility

ATTACHMENT A-4

WASTE TREATMENT/DISPOSAL CERTIFICATIONS

07/09/2003 15:40 7162826073 CECOS INTERNATIONAL PAGE 01

1 of 2

Post-it™ brand fax transmittal memo 7671 | # of pages ▸ 2

To D. Davis	From R. Coulter
Co. OBG	Co. CECOS
Dept.	Phone #
Fax # (315) 463-7440	Fax # (716) 282-6073

CECOS
56th Street & Niagara Falls Blvd
Niagara Falls NY 14304 (716)282-2676

000101
CECOS-MISC
PO BOX 344 LPO
NIAGARA FALLS, NY 14304-0344

Contract: SPC

SITE	TICKET	GRID
22	119718	

WEIGHMASTER: TERRY

DATE IN	TIME IN
9 July 2003	1:35 pm
DATE OUT	TIME OUT
9 July 2003	2:59 pm
VEHICLE: CEC-464	ROLL OFF
REFERENCE	ORIGIN: Inbound - NEW YORK

00 Gross Weight 75,840.00 LB
Tare Weight 32,060.00 LB
Net Weight 43,780.00 LB 21.89 TN

CECOS

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
21.89 TN	S1	Special Waste (WO# 285943)				

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

THINK BEFORE YOU ACT

SIGNATURE Ben Poole

2 of 2

Post-it™ brand fax transmittal memo 7671 | # of pages ▸ 2

To D. Davis	From C. Carlson
Co. OBG	Co. CECOS
Dept.	Phone #
Fax # (315) 463-7440	Fax # (716) 282-6073

CECOS
56th Street & Niagara Falls Blvd
Niagara Falls NY 14304 (716)282-2676

SITE	TICKET	GRID
72	119720	

WEIGHMASTER: TERRY

DATE IN	TIME IN
9 July 2003	1:39 pm

DATE OUT	TIME OUT
9 July 2003	3:23 pm

VEHICLE	ROLL OFF
CEC-458	

REFERENCE	ORIGIN
	Inbound - NEW YORK

000100
SEE GENERATOR
P O BOX 344 LPO
NIAGARA FALLS, NY 14304-0344

Contract: SPC

00 Gross Weight 78,600.00 LB
Tare Weight 37,280.00 LB
Net Weight 41,320.00 LB 20.66 TN

VT-11

CECOS

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
20.66 TN	S1	Special Waste (WO# 285944)				

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

THINK BEFORE YOU ACT

SIGNATURE Bfc [signature]

CECOS
56th Street & Niagara Falls Blvd
Niagara Falls NY 14304 (716)282-2676

100
SEE GENERATOR
P O BOX 344 LPO
NIAGARA FALLS, NY 14304-0344

Contract: SPC

SITE	TICKET	GRID
22	122798	

WEIGHMASTER

AL

DATE IN	TIME IN
6 August 2003	12:39 pm
DATE OUT	**TIME OUT**
6 August 2003	2:22 pm
VEHICLE	**ROLL OFF**
CEC-461	
REFERENCE	**ORIGIN**
	Inbound - NEW YORK

00 Gross Weight 80,240.00 LB
Tare Weight 37,320.00 LB
Net Weight 42,920.00 LB 21.46 TN

CECOS

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
21.46 TN	S1	Special Waste (WO# 286010)				

SG 1.01

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

THINK BEFORE YOU ACT

SIGNATURE

CECOS
56th Street & Niagara Falls Blvd
Niagara Falls NY 14304 (716)282-2676

00100
EE GENERATOR
P O BOX 344 LPO
NIAGARA FALLS, NY 14304-0344

Contract: SPC

SITE	TICKET	GRID
22	122966	

WEIGHTMASTER: JACOB

DATE IN	TIME IN
7 August 2003	1:47 pm
DATE OUT	**TIME OUT**
7 August 2003	2:51 pm
VEHICLE	**ROLL OFF**
CEC-461	
REFERENCE	**ORIGIN**
	Inbound - NEW YORK

00 Gross Weight 81,420.00 LB
Tare Weight 37,520.00 LB
Net Weight 43,900.00 LB 21.95 TN

VT11

CECOS

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
21.95 TN	S1	Special Waste				

SG1.01 (WO# 286011)

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

THINK BEFORE YOU ACT

SIGNATURE

Post-it™ brand fax transmittal memo 7671 | # of pages ▸ 2

To D. Davis	From R. Cald
Co. OBG	Co. CECOS
Dept.	Phone #
Fax # (315) 463-7440	Fax # (716) 282-6093

CECOS
56th Street & Niagara Falls Blvd
Niagara Falls NY 14304 (716)282-2676

000100
SEE GENERATOR
P O BOX 344 LPO
NIAGARA FALLS, NY 14304-0344

Contract: SPC

SITE	TICKET	GRID
ZZ	126664	

WEIGHMASTER: AL

DATE IN	TIME IN
10 September 2003	12:48 pm
DATE OUT	**TIME OUT**
10 September 2003	3:35 pm
VEHICLE	**ROLL OFF**
CEC-454	
REFERENCE	**ORIGIN**
	Inbound - NEW YORK

00 Gross Weight 76,720.00 LB — BUFFALO FUEL CORP
Tare Weight 32,620.00 LB
Net Weight 44,100.00 LB 22.05 TN — CECOS

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
22.05 TN	S1	Special Waste				
		(WO# 286087)				

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

THINK BEFORE YOU ACT

SIGNATURE: Samuel Lorna

Post-it™ brand fax transmittal memo 7671 | # of pages ▸ 1/2

To	From
D. Davis	S. Cook
Co. OBG	Co. CECOS
Dept.	Phone #
Fax # (315) 463-7440	Fax # (716) 282-6073

PAGE 01

CECOS INTERNATIONAL

CECOS
56th Street & Niagara Falls Blvd
Niagara Falls NY 14304 (716)282-2676

000100
SEE GENERATOR
P O BOX 344 LPO
NIAGARA FALLS, NY 14304-0344

Contract: SPC

SITE	TICKET	GRID
22	126669	

WEIGHMASTER: AL

DATE IN	TIME IN
10 September 2003	1:45 pm

DATE OUT	TIME OUT
10 September 2003	4:00 pm

VEHICLE	ROLL OFF
CEC-461	

REFERENCE	ORIGIN
	Inbound - NEW YORK

00 Gross Weight 81,320.00 LB
Tare Weight 37,240.00 LB
Net Weight 44,080.00 LB 22.04 TN

BUFFALO FUEL CORP

CECOS

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
22.04 TN	SI	Special Waste (WO# 286088)				

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

THINK BEFORE YOU ACT

SIGNATURE

7162826073

05/11/2003 07:37

ANNUAL PROGRESS REPORT - 4th Quarter 2003
Operation, Maintenance and Long-term Monitoring Activities

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

PERIOD COVERED: OCTOBER - DECEMBER 2003

ACTIONS COMPLETED DURING QUARTER:

- 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 28,234 gallons of leachate was removed during the period October through December of 2003. 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.

- Routine ground-water elevation monitoring was performed on October 6 and 20, November 3, and 17, December 1 and 15, 2003.

- On November 3, 2003, 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 October though December 2003, in accordance with the November 15, 1999 leachate removal protocol.

- The semi-annual ground water and leachate quality sampling was conducted on November 3, 2003.

- Site maintenance activities were conducted on October 20, November 17, and December 17, 2003, 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.

- Met with USEPA representatives at the Site on October 8th and November 3rd for the inspection as required for the Five-Year Review Report. Subsequently received USEPA's Five-Year Review Report dated December 23, 2003, which concluded that the site remedies continue to protect human health and the environment. The Five-Year Review Report also concluded that, to streamline and improve the efficiency of the operational monitoring activities, the routine contingency monitoring / removal event protocol could be eliminated, unless more than 15,000 gallons of leachate is available for removal when the contingency removal may be re-implemented.

- Continued to work cooperatively with USEPA in the development of the Institutional Control Plan.

RESULTS OF FIELD ACTIVITIES:

- Ground-water elevation data collected on October 6 and 20, November 3 and 17, and December 1 and 15, 2003 are attached. (See Attachment B-1).

- The routine leachate disposal and site inspection checklists are attached (See Attachment B-2).

- The November 2003 semi-annual sampling results are attached. (See Attachment B-5) Historical concentrations of VOCs of Concern detected in Consent Decree wells are presented in Figure 1.

DOCUMENTATION OF REMOVAL ACTIVITIES DURING QUARTER:

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

OCTOBER 2003

October 8, 2003

Manifest #	Amount (gal)	Date Removed
NYG3448953	3,932	10/8/03
NYG3448962	4,273	10/8/03

October 2003 Total = 8,196 gallons

NOVEMBER 2003

November 5, 2003

Manifest #	Amount (gal)	Date Removed
NYG3448989	4,936	11/5/03
NYG2534859	4,972	11/5/03

November 2003 Total = 9,908 gallons

DECEMBER 2003

December 3, 2003

Manifest #	Amount (gal)	Date Removed
NYG3449007	5,289	12/3/03
NYG3448998	4,841	12/3/03

December 2003 Total = 10,130 gallons

- **CUMULATIVE REMOVAL QUANTITIES**

Cumulative gallons removed during quarter under OMM Plan - *October through December 2003* **28,234**

- **LEACHATE DISPOSAL DOCUMENTATION**

October 8, 2003

BFI/CECOS Work Order Number	Manifest #	Date Disposed
286143	NYG3448953	10/8/03
286144	NYG3448962	10/8/03

November 5, 2003

BFI/CECOS Work Order Number	Manifest #	Date Disposed
286211	NYG3448989	11/5/03
286210	NYG3448971	11/5/03

December 3, 2003

BFI/CECOS Work Order Number	Manifest #	Date Disposed
286279	NYG3449007	12/3/03
286280	NYG3448998	12/3/03

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 B-4, and a density of 8.346 pounds per gallon.

ATTACHMENT B-1

GROUND-WATER ELEVATION DATA

OBG Inc. of North America
PAS Site
Oswego, New York
Pre-Pumping Monitoring Well Levels
10/06/2003

Well Number	Ground Elevation	Riser Elevation	DTW During Previous Event	Reading	Reading	Acceptable Range for DTW	Within Range? Yes	Within Range? No	Ground-Water Elevation	Reading 3
SWW1	286.20	289.33	11.14	10.88	10.88	8.40 to 9.96		x	278.45	10.88
SWW2	286.30	289.37	16.37	16.60	16.60	14.43 to 15.57		x	272.77	16.60
SWW3	286.00	286.50	17.18	17.30	17.30	16.08 to 17.21		x	269.20	17.30
SWW4	282.90	283.60	17.35	16.84	16.84	13.65 to 15.86		x	266.76	16.84
SWW5	275.90	277.02	13.95	13.90	13.90	12.38 to 14.15	x		263.12	
SWW6	270.90	273.06	10.03	9.64	9.64	8.02 to 9.45		x	263.42	9.64
SWW7	273.30	277.93	8.90	9.22	9.22	7.11 to 8.23		x	268.71	9.22
SWW8	275.70	278.24	9.79	9.81	9.81	3.61 to 4.87		x	268.43	9.81
SWW9	283.30	285.55	18.65	18.04	18.04	15.80 to 17.00		x	267.51	18.04
SWW10	279.30	280.43	17.16	17.44	17.44	9.74 to 12.44		x	262.99	17.44
SWW11	271.00	273.50	10.27	10.38	10.38	8.37 to 9.90		x	263.12	10.38
SWW12	270.20	272.82	15.84	15.50	15.50	8.28 to 9.63		x	257.32	15.50
LCW-1	271.40	272.21	9.42	9.08	9.08	7.65 to 9.91	x		263.13	
LCW-2	272.60	274.44	11.68	11.32	11.32	9.89 to 12.16	x		263.12	
LCW-3	283.30	284.36	18.60	18.85	18.85	17.52 to 18.97	x		265.51	
LCW-4	283.80	285.70	17.64	17.43	17.43	16.75 to 18.46	x		268.27	

OBG Inc. of North America
PAS Site
Oswego, New York
Pre-Pumping Monitoring Well Levels
10/20/2003

Well Number	Ground Elevation	Riser Elevation	DTW During Previous Event	Reading	Reading	Acceptable Range for DTW	Within Range? Yes	Within Range? No	Ground-Water Elevation	Reading 3
SWW1	286.20	289.33	11.14	10.50	10.50	8.40 to 9.96		x	278.83	10.50
SWW2	286.30	289.37	16.37	16.62	16.62	14.43 to 15.57		x	272.75	16.62
SWW3	286.00	286.50	17.18	17.38	17.38	16.08 to 17.21		x	269.12	17.38
SWW4	282.90	283.60	17.35	16.30	16.30	13.65 to 15.86		x	267.30	16.30
SWW5	275.90	277.02	13.95	13.89	13.89	12.38 to 14.15	x		263.13	
SWW6	270.90	273.06	10.03	9.32	9.32	8.02 to 9.45	x		263.74	
SWW7	273.30	277.93	8.90	9.12	9.12	7.11 to 8.23		x	268.81	9.12
SWW8	275.70	278.24	9.79	7.73	7.73	3.61 to 4.87		x	270.51	7.73
SWW9	283.30	285.55	18.65	19.24	19.24	15.80 to 17.00		x	266.31	19.24
SWW10	279.30	280.43	17.16	16.58	16.58	9.74 to 12.44		x	263.85	16.58
SWW11	271.00	273.50	10.27	10.35	10.35	8.37 to 9.90		x	263.15	10.35
SWW12	270.20	272.82	15.84	14.72	14.72	8.28 to 9.63		x	258.10	14.72
LCW-1	271.40	272.21	9.42	9.20	9.20	7.65 to 9.91	x		263.01	
LCW-2	272.60	274.44	11.68	11.43	11.43	9.89 to 12.16	x		263.01	
LCW-3	283.30	284.36	18.60	18.70	18.70	17.52 to 18.97	x		265.66	
LCW-4	283.80	285.70	17.64	17.70	17.70	16.75 to 18.46	x		268.00	

OBG Inc. of North America
PAS Site
Oswego, New York
Pre-Pumping Monitoring Well Levels
11/03/2003

Well Number	Ground Elevation	Riser Elevation	DTW During Previous Event	Reading	Reading	Acceptable Range for DTW	Within Range? Yes	Within Range? No	Ground-Water Elevation	Reading 3
SWW1	286.20	289.33	10.50	9.80	9.80	10.08 to 11.38		x	279.53	9.80
SWW2	286.30	289.37	16.62	16.50	16.50	15.15 to 17.12	x		272.87	
SWW3	286.00	286.50	17.38	17.25	17.25	16.26 to 17.88	x		269.25	
SWW4	282.90	283.60	16.30	14.80	14.80	16.05 to 17.47		x	268.80	14.80
SWW5	275.90	277.02	13.89	13.45	13.45	13.06 to 14.40	x		263.57	
SWW6	270.90	273.06	9.32	8.65	8.65	9.10 to 10.36		x	264.41	8.65
SWW7	273.30	277.93	9.12	8.58	8.85	7.80 to 9.72	x		269.08	
SWW8	275.70	278.24	7.73	5.25	5.27	6.65 to 10.31		x	272.97	5.27
SWW9	283.30	285.55	19.24	17.50	17.50	16.95 to 19.74	x		268.05	
SWW10	279.30	280.43	16.58	11.68	11.68	14.34 to 17.94		x	268.75	11.68
SWW11	271.00	273.50	10.35	9.80	9.80	9.12 to 10.88	x		263.70	
SWW12	270.20	272.82	14.72	12.30	12.30	12.95 to 16.00		x	260.52	12.30
LCW-1	271.40	272.21	9.20	8.87	8.87	8.40 to 9.82	x		263.34	
LCW-2	272.60	274.44	11.43	11.11	11.11	10.64 to 12.07	x		263.33	
LCW-3	283.30	284.36	18.70	18.80	18.80	17.98 to 19.35	x		265.56	
LCW-4	283.80	285.70	17.70	17.52	17.52	16.22 to 18.20	x		268.18	
LR-2	287.50	289.85	15.22	14.50	14.50	13.42 to 15.72	x		275.35	
LR-3	275.50	278.06	10.34	9.17	9.17	8.20 to 11.30	x		268.89	
LR-6	270.90	274.39	11.94	11.08	11.08	10.30 to 12.60	x		263.31	
LR-8	270.00	273.42	11.98	11.50	11.50	10.21 to 13.10	x		261.92	
M-21	270.28	272.32	11.34	11.12	11.12	9.64 to 12.35	x		261.20	
M-22	270.40	273.88	11.62	11.00	11.00	10.00 to 12.25	x		262.88	
M-23	267.98	270.49	13.22	12.35	12.35	11.70 to 13.72	x		258.14	
M-24	276.49	277.94	16.40	15.80	15.80	14.72 to 17.11	x		262.14	
M-25	264.56	265.84	8.36	7.55	7.55	6.85 to 8.86	x		258.29	
M-26	271.85	273.38	12.10	10.02	10.02	9.77 to 12.60	x		263.36	

OBG Inc. of North America
PAS Site
Oswego, New York
Pre-Pumping Monitoring Well Levels
11/17/2003

Well Number	Ground Elevation	Riser Elevation	DTW During Previous Event	Reading	Reading	Acceptable Range for DTW	Within Range? Yes	Within Range? No	Ground-Water Elevation	Reading 3
SWW1	286.20	289.33	10.50	9.54	9.54	10.08 to 11.38		x	279.79	9.54
SWW2	286.30	289.37	16.62	16.33	16.33	15.15 to 17.12	x		273.04	
SWW3	286.00	286.50	17.38	17.12	17.12	16.26 to 17.88	x		269.38	
SWW4	282.90	283.60	16.30	14.62	14.62	16.05 to 17.47		x	268.98	14.62
SWW5	275.90	277.02	13.89	13.74	13.74	13.06 to 14.40	x		263.28	
SWW6	270.90	273.06	9.32	8.70	8.70	9.10 to 10.36		x	264.36	8.70
SWW7	273.30	277.93	9.12	8.68	8.68	7.80 to 9.72	x		269.25	
SWW8	275.70	278.24	7.73	4.46	4.46	6.65 to 10.31		x	273.78	4.46
SWW9	283.30	285.55	19.24	18.68	18.68	16.95 to 19.74	x		266.87	
SWW10	279.30	280.43	16.58	11.20	11.20	14.34 to 17.94		x	269.23	11.20
SWW11	271.00	273.50	10.35	10.00	10.00	9.12 to 10.88	x		263.50	
SWW12	270.20	272.82	14.72	10.46	10.46	12.95 to 16.00		x	262.36	10.46
LCW-1	271.40	272.21	9.20	9.40	9.40	8.40 to 9.82	x		262.81	
LCW-2	272.60	274.44	11.43	11.62	11.62	10.64 to 12.07	x		262.82	
LCW-3	283.30	284.36	18.70	18.55	18.55	17.98 to 19.35	x		265.81	
LCW-4	283.80	285.70	17.70	18.18	18.18	16.22 to 18.20	x		267.52	

OBG Inc. of North America
PAS Site
Oswego, New York
Pre-Pumping Monitoring Well Levels
12/01/2003

Well Number	Ground Elevation	Riser Elevation	DTW During Previous Event	Reading	Reading	Acceptable Range for DTW	Within Range? Yes	Within Range? No	Ground-Water Elevation	Reading 3
SWW1	286.20	289.33	9.54	8.40	8.40	10.08 to 11.38		x	280.93	8.40
SWW2	286.30	289.37	16.33	16.00	16.00	15.15 to 17.12	x		273.37	
SWW3	286.00	286.50	17.12	16.85	16.85	16.26 to 17.88	x		269.65	
SWW4	282.90	283.60	14.62	12.55	12.55	16.05 to 17.47		x	271.05	12.55
SWW5	275.90	277.02	13.74	13.21	13.21	13.06 to 14.40	x		263.81	
SWW6	270.90	273.06	8.70	8.08	8.08	9.10 to 10.36		x	264.98	8.08
SWW7	273.30	277.93	8.68	8.40	8.40	7.80 to 9.72	x		269.53	
SWW8	275.70	278.24	4.46	4.28	4.28	6.65 to 10.31		x	273.96	4.28
SWW9	283.30	285.55	18.68	18.06	18.06	16.95 to 19.74	x		267.49	
SWW10	279.30	280.43	11.20	9.74	9.74	14.34 to 17.94		x	270.69	9.74
SWW11	271.00	273.50	10.00	9.56	9.56	9.12 to 10.88	x		263.94	
SWW12	270.20	272.82	10.46	8.74	8.74	12.95 to 16.00		x	264.08	8.74
LCW-1	271.40	272.21	9.40	8.80	8.80	8.40 to 9.82	x		263.41	
LCW-2	272.60	274.44	11.62	11.02	11.02	10.64 to 12.07	x		263.42	
LCW-3	283.30	284.36	18.55	18.60	18.60	17.98 to 19.35	x		265.76	
LCW-4	283.80	285.70	18.18	17.82	17.82	16.22 to 18.20	x		267.88	

OBG Inc. of North America
PAS Site
Oswego, New York
Pre-Pumping Monitoring Well Levels
12/15/2003

Well Number	Ground Elevation	Riser Elevation	DTW During Previous Event	Reading	Reading	Acceptable Range for DTW	Within Range? Yes	Within Range? No	Ground-Water Elevation	Reading 3
SWW1	286.20	289.33	9.54	8.73	8.73	10.08 to 11.38		x	280.60	8.73
SWW2	286.30	289.37	16.33	15.86	15.86	15.15 to 17.12	x		273.51	
SWW3	286.00	286.50	17.12	16.82	16.82	16.26 to 17.88	x		269.68	
SWW4	282.90	283.60	14.62	13.90	13.90	16.05 to 17.47		x	269.70	13.90
SWW5	275.90	277.02	13.74	13.25	13.25	13.06 to 14.40	x		263.77	
SWW6	270.90	273.06	8.70	8.40	8.40	9.10 to 10.36		x	264.66	8.40
SWW7	273.30	277.93	8.68	8.28	8.28	7.80 to 9.72	x		269.65	
SWW8	275.70	278.24	4.46	4.22	4.22	6.65 to 10.31		x	274.02	4.22
SWW9	283.30	285.55	18.68	17.68	17.68	16.95 to 19.74	x		267.87	
SWW10	279.30	280.43	11.20	10.15	10.15	14.34 to 17.94		x	270.28	10.15
SWW11	271.00	273.50	10.00	9.54	9.54	9.12 to 10.88	x		263.96	
SWW12	270.20	272.82	10.46	8.85	8.85	12.95 to 16.00		x	263.97	8.85
LCW-1	271.40	272.21	9.40	9.06	9.06	8.40 to 9.82	x		263.15	
LCW-2	272.60	274.44	11.62	11.33	11.33	10.64 to 12.07	x		263.11	
LCW-3	283.30	284.36	18.55	18.21	18.21	17.98 to 19.35	x		266.15	
LCW-4	283.80	285.70	18.18	18.28	18.28	16.22 to 18.20		x	267.42	18.28

ATTACHMENT B-2

SITE INSPECTION CHECKLIST AND LEACHATE DISPOSAL

O'Brien and Gere Inc., of North America

PAS Site
Oswego, New York

Site Inspection Checklist

Date: 10-6-03 Time: 8:00

Personnel: MARTIN Koennecke Weather: P-CLOUDY 40° PASSING SHOWERS

Site Feature	Previous Inspection Date	Condition/Maintenance Activity
Cap	9-22-03	
Burrowing Animals	NONE VISABLE	
Cap Vegetation	OK	
Concrete Drainage Trough	NEEDS CLEANING	CUT BACK GRASS, SHOVELED OUT
French Drain	OK	
Weeds	OK	
Leachate Collection System		
Pumps	RESPONDING	
Pump Controls/Alarms	N.A.	
Tank Level	14"	
Monitoring Wells		
Locks	OK	
Riser	OK	
Surface Completion	GOOD	
General Site Conditions		
Foliage	OK	
Perimeter Fence	OK	
Site Access Drive	OK	
Stream Gauges	NA.	
Other Items		
Equipment Storage Shed	OK	
Fire Extinguisher	OK	
Spill Control Materials	OK STOCKED	

REMARKS/SPECIAL MAINTENANCE: (includes separate detailed maintenance report, if necessary)

O'Brien and Gere Inc., of North America

PAS Site
Oswego, New York

Leachate Disposal Checklist

Project Personnel: Martin Koennecke Time on Site: 8:00
Tony Giess
Transportation Subcontractor: BFC + Tonawanda Tank Transports

Leachate Destination: CECOS

Date: 10-8-03

Well	Leachate Collection Well Pumpings		Well Pumping Flow Rate Analysis			
	Start Time	Stop Time	Time	Tank Elev.(ft Down)	Flow Rate Calculation	Remarks
LCW-1	8:00	8:45				
LCW-2						
LCW-3						
LCW-4	8:00	8:45				

Leachate Holding Tank: START - 14" STOP - 39" 5" After Pump out
Initial Flow Meter Reading: 25" X 60 min. = 127 Gpm
Final Flow Meter Reading: 34" X 305 = 10370 est.

Load	(Pre-Loading) Tanker		(Post-Loading) Tanker		Destination	
	Time	Confirmed Clean	Time	Tanker Volume (by Stick Mass)	Manifest	Remarks
Load #1 BFC	8:30	Yes	10:15	40"	3448953	WO# 286143
Load #2 Tonawanda	10:15	Yes	12:00	46"	3448962	WO# 286144
Load #3						
Load #4						

O'Brien and Gere Inc., of North America

PAS Site
Oswego, New York

Site Inspection Checklist

Date: 10-20-03 Time: 8:00 AM

Personnel: Martin Kocanecke Weather: P-Sunny 40°

Site Feature	Previous Inspection Date	Condition/Maintenance Activity
Cap	10-6-03	
Burrowing Animals	None visable	
Cap Vegetation	OK	
Concrete Drainage Trough	OK	
French Drain	OK	
Weeds	NA	
Leachate Collection System		
Pumps	Responding	
Pump Controls/Alarms	NA	
Tank Level	5"	
Monitoring Wells		
Locks	OK	⊗
Riser	OK	
Surface Completion	Good	
General Site Conditions		
Foliage	Good	
Perimeter Fence	OK	⊗
Site Access Drive	OK	
Stream Gauges	NA	
Other Items		
Equipment Storage Shed	OK	
Fire Extinguisher	OK	
Spill Control Materials	OK Stocked	

REMARKS/SPECIAL MAINTENANCE: (includes separate detailed maintenance report, if necessary) ⊗ Installed Hasps and Locks on LCW wells
⊗ Cut up Limbs that had landed on Fence
Put Lock on Fence opening in Back of site

Willow Tree down on right of second Gate in Front part of site

O'Brien and Gere Inc., of North America

PAS Site
Oswego, New York

Site Inspection Checklist

Date: 11-3-03 Time: 3:00

Personnel: MARTin Koenecke
Don DAVIS

Weather: Rain

Site Feature	Previous Inspection Date	Condition/Maintenance Activity
Cap	10-20-03	
Burrowing Animals	NONE VISIBLE	
Cap Vegetation	OK	
Concrete Drainage Trough	OK	
French Drain	OK	
Weeds	NA	
Leachate Collection System		
Pumps	Responding	
Pump Controls/Alarms	NA	
Tank Level	5"	
Monitoring Wells		
Locks	OK	
Riser	OK	
Surface Completion	Good	
General Site Conditions		
Foliage	GOOD	
Perimeter Fence	REPAIRED FENCE HANGERS ON ROAD FRONT	
Site Access Drive	OK	
Stream Gauges	NA	
Other Items		
Equipment Storage Shed	OK	
Fire Extinguisher	OK	
Spill Control Materials	OK STOCKED	

REMARKS/SPECIAL MAINTENANCE: (includes separate detailed maintenance report, if necessary) EPA + PAS Rep on site for Review
NEED To clean Perimeter Fence of weeds & BRANCHES

O'Brien and Gere Inc., of North America

PAS Site
Oswego, New York

Leachate Disposal Checklist

Project Personnel: MARTIN Koennecke Time on Site: 7:15

Transportation Subcontractor: BFC - TONAWANDA TANK

Leachate Destination: CECOS

Date: 11-5-03

Well	Leachate Collection Well Pumping		Well Pumping Flow Rate Analysis		Flow Rate Calculation	Remarks
	Start Time	Stop Time	Time	Tank Elev. (ft Down)		
LCW-1	7:20	8:30	SEE BELOW			
LCW-2	7:20	8:30				
LCW-3	7:20	8:30				
LCW-4	7:20	8:30				

Leachate Holding Tank: 6" START STOP 45" 2 - LOADS = 33"

Initial Flow Meter Reading: NA
Final Flow Meter Reading: After Pumpout 12"

36" x 305 ÷ 70 min = 169 GPM x305 / 10,065

Load	(Pre-Loading) Tanker		(Post-Loading) Tanker		Destination	
	Time	Confirmed Clean	Time	Tanker Volume (by Stick Mass)	Manifest	Remarks
Load #1	8:30	yes	9:15	50.5"	NY6 3448989	WO# 286211
Load #2	9:15	yes	10:00	52.5"	NY6 3448971	WO# 286210
Load #3						
Load #4						

O'Brien and Gere Inc., of North America

PAS Site
Oswego, New York

Site Inspection Checklist

Date: 11-17-03 Time: 8:00

Personnel: MARTIN Koenecke Weather: RAIN 40°

Site Feature	Previous Inspection Date	Condition/Maintenance Activity
Cap	11-3-03	
Burrowing Animals	NONE VISABLE	
Cap Vegetation	OK	
Concrete Drainage Trough	OK	
French Drain	OK	
Weeds	NA	
Leachate Collection System		
Pumps	RESPONDING	
Pump Controls/Alarms	NA	
Tank Level	12"	
Monitoring Wells		
Locks	OK	
Riser	OK	
Surface Completion	GOOD	
General Site Conditions		
Foliage	GOOD	
Perimeter Fence	NEED TO TRIM BRUSH + TREES AROUND REAR OF SITE	
Site Access Drive	OK	
Stream Gauges	NA	
Other Items		
Equipment Storage Shed	OK	
Fire Extinguisher	OK	
Spill Control Materials	OK STOCKED	

REMARKS/SPECIAL MAINTENANCE: (includes separate detailed maintenance report, if necessary)

O'Brien and Gere Inc., of North America

PAS Site
Oswego, New York

Site Inspection Checklist

Date: 12-1-03 Time: 8:20

Personnel: MARTIN KOENNECKE Weather: WINDY OVERCAST 35° 25-30 MPH GUSTS

Site Feature	Previous Inspection Date	Condition/Maintenance Activity
Cap	11-17-03	
Burrowing Animals	NONE VISIBLE	
Cap Vegetation	GOOD	
Concrete Drainage Trough	OK	
French Drain	OK	
Weeds	NA	
Leachate Collection System		
Pumps	RESPONDING	
Pump Controls/Alarms	NA	
Tank Level	12"	
Monitoring Wells		
Locks	OK	
Riser	OK	
Surface Completion	GOOD	
General Site Conditions		
Foliage	GOOD	
Perimeter Fence	OK NEED TO TRIM BRUSH	
Site Access Drive	OK	
Stream Gauges	NA	
Other Items		
Equipment Storage Shed	OK	
Fire Extinguisher	OK	
Spill Control Materials	OK STOCKED	

REMARKS/SPECIAL MAINTENANCE: (includes separate detailed maintenance report, if necessary)

O'Brien and Gere Inc., of North America

PAS Site
Oswego, New York

Leachate Disposal Checklist

Project Personnel: MARTIN Koennecke Time on Site: 8:00

Transportation Subcontractor: BFC

Leachate Destination: CECOS

Date: 12-3-03

Well	Leachate Collection Well Pumping		Well Pumping Flow Rate Analysis		Flow Rate Calculation	Remarks
	Start Time	Stop Time	Time	Tank Elev. (ft Down)		
LCW-1	8:00	9:00	—	SEE	BELOW	—
LCW-2	8:00	9:00	↓	↓	↓	↓
LCW-3	8:00	9:00	↓	↓	↓	↓
LCW-4	8:00	9:00	↓	↓	↓	↓

Leachate Holding Tank: START = 12" STOP = 45" After = 10"

Initial Flow Meter Reading: NA
Final Flow Meter Reading:

33" X 305 = 10065 ÷ 60 = 167.75 GPM

Load	(Pre-Loading) Tanker		(Post-Loading) Tanker		Destination	
	Time	Confirmed Clean	Time	Tanker Volume (by Stick Mass)	Manifest	Remarks
Load #1	11:15	Yes	12:30	46.5"	NY6 3449007	WO# 286279
Load #2	12:20	Yes	1:15	48"	NY6 3448998	WO# 286280
Load #3						
Load #4						

O'Brien and Gere Inc., of North America

PAS Site
Oswego, New York

Site Inspection Checklist

Date: 12-15-03 Time: 10:00

Personnel: MARTIN Koennecke Weather: SNOWING

Site Feature	Previous Inspection Date	Condition/Maintenance Activity
Cap	12-3-03	
Burrowing Animals	NONE VISABLE	
Cap Vegetation	SNOW COVERED	
Concrete Drainage Trough		
French Drain		
Weeds		
Leachate Collection System		
Pumps	Resampling	
Pump Controls/Alarms	NA	
Tank Level	10"	
Monitoring Wells		
Locks	OK	
Riser	OK	
Surface Completion	SNOW COVERED	
General Site Conditions		
Foliage	NA	
Perimeter Fence	OK	
Site Access Drive	SNOW COVERED	PLOWED SITE ACCESS
Stream Gauges	NA	
Other Items		
Equipment Storage Shed	OK	
Fire Extinguisher	OK	
Spill Control Materials	OK STOCKED	

REMARKS/SPECIAL MAINTENANCE: (includes separate detailed maintenance report, if necessary)

EST. - 18" SNOW FALL 12-14-03
WORKING ON FENCE LINE & FALLEN TREES

NIMO METER 02911

ATTACHMENT B-3

HAZARDOUS WASTE MANIFESTS

NYG 3448953

DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST

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

Please type or print. Do not staple

(Hazardous Waste Manifest 1/5/99)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NYD000511659 — Manifest Doc. No.: 00086 — 2. Page 1 of 1

Information within heavy bold line is not required by Federal Law.

3. Generator's Name and Mailing Address: PAS Oswego Site PArticipation Agreement Parties c/o O'Brien & Gere Inc. of North America 5000 Brittonfield Parkway, E. Syracuse, NY 13057

4. Generator's Telephone Number ( )

A. NYG 3448953

B. Generator's ID Pollution Abatement Service Site, E. Seneca St. Oswego, NY 13126

5. Transporter 1 (Company Name): Buffalo Fuel Corporation

6. US EPA ID Number: NYR000045724

C. State Transporter's ID: AD 25065 NY

D. Transporter's Telephone (800) 677-8003

7. Transporter 2 (Company Name)

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Telephone ( )

9. Designated Facility Name and Site Address: CECOS International Inc. 5600 Niagara Falls Blvd Niagara Falls, NY 14303

10. US EPA ID Number: NYD080336241

G. State Facility ID

H. Facility Telephone (716) 282-2676

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, Waste, Environmentally Hazardous Substance Liquid, 9, n.o.s., UN3082, PGIII, Multi-Source Leachate, F039 (Benzene, Toluene, Xylene)	001	TT	EST. 04500	G	EPA F039 / STATE
b.					EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials listed Above

a. Water 99% Toluene 0.00045% Xylene 0.0011% Benzene 0.000007%

b.

c.

d.

K. Handling Codes for Wastes Listed Above

a. b. c. d.

15. Special Handling Instructions and Additional Information

Emergency Response Refer to ERG-171
24 Hour Contact (800) 677-8003

Product Codes 12451-AAB
Work Order No: 286143

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Martin Koennecke(as agent for PAS Site PArticipation Agreement Parties) — Signature: As Agent [signature] — Mo. 10 Day 08 Year 03

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Hartley Kroening — Signature: [signature] — Mo. 10 Day 08 Year 03

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Mo. Day Year

19. Discrepancy Indication Space

Quantity Received = 16.37 tons

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: John Galluzzo — Signature: [signature] — Mo. 10 Day 08 Year 03

COPY 5—Generator—Mailed by TSD Facility

NYG 3448962

DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST

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

(Hazardous Waste Manifest 1/5/99)

Please type or print. Do not staple

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No.	Manifest Doc. No.	2. Page 1 of	Information within heavy bold line is not required by Federal Law.
	NYD000511659	000088	1	

3. Generator's Name and Mailing Address
PAS Oswego Site Participation Agreement Parties
c/o O'Brien & Gere Inc. of NorthAmerica
5000 Brittonfield Parkway, E. Syracuse, NY 13057

4. Generator's Telephone Number ( )

A. NYG 3448962

B. Generator's ID Pollution Abatement Servic
Site, E. Seneca St. Oswego, NY 13126

5. Transporter 1 (Company Name)	6. US EPA ID Number	C. State Transporter's ID	
TONAWANDA TANK TRANSPORTS	NYD071149201	D. Transporter's Telephone ( )	
7. Transporter 2 (Company Name)	8. US EPA ID Number	E. State Transporter's ID	
		F. Transporter's Telephone ( )	
9. Designated Facility Name and Site Address	10. US EPA ID Number	G. State Facility ID	
CECOS International Inc. 5600 Niagara Falls Blvd Niagara Falls, NY 14303	NYD080336241	H. Facility Telephone (716) 282-2676	

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, Waste, Environmentally Hazardous Substance Liquid, 9, n.o.s., UN3082, PGIII, Multi-Source Leachate F039 (Benzene, Toluene, Xylene)	001	TT	EST. 05000	G	EPA STATE
b.					EPA STATE
c					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials listed Above
Water 99% Toluene 0.0045% Xylene 0.001%, Benzene 0.0007%

K. Handling Codes for Wastes Listed Above

a	T	c	
b		d	

15. Special Handling Instructions and Additional Information

Emergency Response Refer to ERG-171
24 Hour Contact (800) 677-8003

Product Code: 12451-AAB
Work Order NO: 286144

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Mo.	Day	Year
Martin Koennecke (as agent for PAS Site Participation Agreement Parties)	AS Agent	10	08	03

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year
		10	08	03

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year

19. Discrepancy Indication Space
Quantity Received = 17.83 tons

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Mo.	Day	Year
John Gallozzo		10	08	03

GENERATOR

TRANSPORTER

FACILITY

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

COPY 5—Generator—Mailed by TSD Facility

NYG 3448971

DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST

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

Please type or print. Do not staple

(Hazardous Waste Manifest 1/5/99)

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No.	Manifest Doc. No.	2. Page 1 of	Information within heavy bold line is not required by Federal Law.
	NYD000511659	00088	1	

3. Generator's Name and Mailing Address
PAS Oswego Site PArticipation Agreement PArties
c/o O'Brien & Gere Inc. of North America
5000 Brittonfield PArkway, E. Syracuse, NY 13057

4. Generator's Telephone Number ( )

A. NYG 3448971

B. Generator's ID Pollution Abatement Servi

Site, E. Seneca St. Oswego, NY 1312

5. Transporter 1 (Company Name)	6. US EPA ID Number
~~Buffalo Fuel Corporation~~	~~NYR000045724~~
7. Transporter 2 (Company Name)	8. US EPA ID Number
TONAWANDA TANK TRANS INC	NYD097644801
9. Designated Facility Name and Site Address	10. US EPA ID Number
CECOS International Inc. 5600 Niagara Falls Blvd Niagara Falls, NY 14303	NYD080336241

C. State Transporter's ID

D. Transporter's Telephone (~~800~~ ~~677-8003~~

E. State Transporter's ID AC 2535 6 NY

F. Transporter's Telephone (716) 893-9703

G. State Facility ID

H. Facility Telephone (716) 282-2676

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, Waste, Environmentally Hazardous Substance Liquid, 9, n.o.s., UN3082, PGIII, Multi-Source Leachate, F039 (Benzene, Toluene, Xylene)	001	TT	05000 EST	G	EPA F039 STATE
b.					EPA STATE
c					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials listed Above
Water 99% Toluene 0.00045%
a Xylene 0.0011%, Benzene 0.00007%

K. Handling Codes for Wastes Listed Above
a T c
b d

15. Special Handling Instructions and Additional Information
Emergency Response Refer to ERG-171
24 hour Contact (800) 677-8003
Product Code: 12451-AA%
Work Order No: 286210

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.
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Printed/Typed Name	Signature	Mo.	Day	Year
Martin Koenneckk (as agent for PAS Site PArticiparion Agreement PArties)	as agent Martin Koenneckk	11	05	03

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year
Matt Foltz	Matt Foltz	11	05	03

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year

19. Discrepancy Indication Space
Quantity Received = 20.60 tons

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Mo.	Day	Year
John Gallizzo	John Gallizzo	11	05	03

COPY 5—Generator—Mailed by TSD Facility

GENERATOR

TRANSPORTER

FACILITY

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

NYG 3448989

DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST

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

Please type or print. Do not staple

(Hazardous Waste Manifest 1/5/99)

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

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: N Y D 0 0 0 5 1 1 6 5 9 — Manifest Doc. No.: 0 0 0 8 9 — 2. Page 1 of 1

Information within heavy bold line is not required by Federal Law.

3. Generator's Name and Mailing Address:
PAS Oswego Site PArticipation Agreement Parties
c/o O'Brien & Gere Inc. of North America
5000 Brittonfield PArkway, E. Syracuse, NY 13057

4. Generator's Telephone Number (

A. NYG 3448989

B. Generator's ID Pollution Abatement Service Site, E. Seneca St. Oswego, NY 13126

5. Transporter 1 (Company Name): ~~Buffalo Fuel Corporation~~

6. US EPA ID Number: ~~N Y R 0 0 0 0 4 5 7 2 4~~ N/A

C. State Transporter's ID

D. Transporter's Telephone (~~800~~) ~~[illegible]~~

7. Transporter 2 (Company Name): TONAWANDA TANK

8. US EPA ID Number: NYD 0 9 9 1 6 4 4 8 0 1

E. State Transporter's ID AB 3148 NY

F. Transporter's Telephone (716) 873 [illegible]

9. Designated Facility Name and Site Address:
CECOS International Inc.
5600 Niagara Falls,Blvd
Niagara Falls, NY 143903

10. US EPA ID Number: N Y D 0 8 0 3 3 6 2 4 1

G. State Facility ID

H. Facility Telephone (716) 282-2676

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, Waste, Environmentally Hazardous Substance Liquid, 9, n.o.s., UN3082, PG111, Multi-Source Leachate, F039 (Benzene, Toluene, Xylene)	0 0 1	T T	EST 05000	G	EPA F039 / STATE
b.					EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials listed Above

a Water 99% Toluene 0.00045% ~~Xylene 0.0011%, Benzene 0.00007%~~

b

d

K. Handling Codes for Wastes Listed Above

a T

b

c

d

15. Special Handling Instructions and Additional Information

Emergency Response Refer to EMR-171 — Product Code: 12451-ABR
24 Hour Contact (800) 677-8003 — Work Order No: 286211

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Martin Koennecke(as agent for PAS Site PArticiaption Agreement Parties) — Signature: as agent Martin Koennecke — Mo. 11 Day 05 Year 03

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: [illegible] — Signature: [illegible] — Mo. 11 Day 5 Year 03

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Mo. Day Year

19. Discrepancy Indication Space

Quantity Received = 20.75 tons

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: John Galluzzo — Signature: [signature] — Mo. 11 Day 05 Year 03

COPY 5—Generator—Mailed by TSD Facility

NYG 3449007

DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST

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

Please type or print. Do not staple

(Hazardous Waste Manifest 1/5/99)

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No.	Manifest Doc. No.	2. Page 1 of	Information within heavy bold line is not required by Federal Law.
	NYD000511659	00090	1	

3. Generator's Name and Mailing Address
PAS OSwego Site Participation Agreement Parties
c/o O'Brien & Gere Inc. of North America
5000 Brittonfield Parkway, E. Syracuse, NY 13057

4. Generator's Telephone Number ( )

A. NYG 3449007

B. Generator's ID Pollution Abatement Servi
Sites, E. Seneca St. Oswego, NY 1312

5. Transporter 1 (Company Name)	6. US EPA ID Number	C. State Transporter's ID ADS TOTS NY
Buffalo Fuel Corporation	NYR000045724	D. Transporter's Telephone (800) 677-8003
7. Transporter 2 (Company Name)	8. US EPA ID Number	E. State Transporter's ID
		F. Transporter's Telephone ( )
9. Designated Facility Name and Site Address	10. US EPA ID Number	G. State Facility ID
CECOS International Inc. 5600 Niagara Falls BLVD Niagara Falls, NY 14303	NYD080336241	H. Facility Telephone (716) 282-2676

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, Waste, Environmentally Hazardous Substance Liquid, 9, n.o.s., UN3082, PGIII, Multi-Source Leachate, F039 (Benzene, Toluene, Xylene)	001	TT	05000 EST	G	EPA F039 STATE
b.					EPA STATE
c					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials listed Above
Water 99% Toluene 0.0045%
Xylene 0.0011%, Benzene 0.00007%

K. Handling Codes for Wastes Listed Above
a. T c.
b. d.

15. Special Handling Instructions and Additional Information
Emergency Response Refer to ERG-171
24 Hour Contact (800) 677-8003

Product Code: 12451-AAB
Work Order No: 286279

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Mo.	Day	Year
Martin Koennecke (as agent for PAS Site Participation Agreement Parties)	as agent Martin Koennecke	12	03	03

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year
Timothy W Ellis		12	03	03

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year

19. Discrepancy Indication Space
Quantity Received = 22.07 tons

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Mo.	Day	Year
John Galluzzo		12	03	03

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

GENERATOR

TRANSPORTER

FACILITY

COPY 5—Generator—Mailed by TSD Facility

NYG 3448998

DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST

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

Please type or print. Do not staple

(Hazardous Waste Manifest 1/5/99)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NYD000511659
Manifest Doc. No.: 00091
2. Page 1 of 1

Information within heavy bold line is not required by Federal Law.

3. Generator's Name and Mailing Address
PAS Oswego Site PArticipation Agreement Parties
c/o O'Brien & Gere Inc. of North America
5000 Brittonfield PArkway, E. Syracuse, NY 13057

4. Generator's Telephone Number ( )

A. NYG 3448998

B. Generator's ID: Pollution Abatement Service Site, E. Seneca St. Oswego, NY 13126

5. Transporter 1 (Company Name): Buffalo Fuel Corporation
6. US EPA ID Number: NYR000045724

C. State Transporter's ID: AI 35714 NY
D. Transporter's Telephone (800) 677-8003

7. Transporter 2 (Company Name):
8. US EPA ID Number:

E. State Transporter's ID
F. Transporter's Telephone ( )

9. Designated Facility Name and Site Address
CECOS INternational Inc.
5600 Niagara Falls Blvd
Niagara Falls, NY 14303

10. US EPA ID Number: NYD080336241

G. State Facility ID

H. Facility Telephone (716) 282-2676

GENERATOR

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, Waste, Environmentally Hazardous Substance Liquid, 9, n.o.s., UN3082, PGIII, Multi-Source Leachate, F039 (Benzene, Toluene, Xylene)	001	TT	EST. 05000	G	EPA F039 / STATE
b.					EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials listed Above
a. Water 99% Toluene 0.00045%
Xylene 0.0011%, Benzene 0.000007%
b.
c.
d.

K. Handling Codes for Wastes Listed Above
a. T
b.
c.
d.

15. Special Handling Instructions and Additional Information

Emergency Response Refer to ERG-171
24 Hour Contact (800) 677-8003

PRoduct Code: 12451-AAB
Work Order No: 261320

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Martin Koennecke (as agent for PAS Site Participation Agreement Parties)
Signature: [signature]
Mo. 12 Day 03 Year 03

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: R. Carlson
Signature: [signature]
Mo. 12 Day 03 Year 03

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Mo. Day Year

FACILITY

19. Discrepancy Indication Space
Quantity Received = 20.20 ton

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: John Galluzzo
Signature: [signature]
Mo. 12 Day 93 Year 03

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

COPY 5—Generator—Mailed by TSD Facility

ATTACHMENT B-4

WASTE TREATMENT/DISPOSAL CERTIFICATIONS

Post-it® brand fax transmittal memo

To D. Davis	From [illegible]
Co. JRG	Co. CECOS
Dept.	Phone #
Fax # (315) 463-7440	Fax # (716) 282-6073

CECOS
56th Street & Niagara Falls Blvd
Niagara Falls NY 14304 (716)282-2676

SITE	TICKET	GRID
22	130671	

WEIGHMASTER: AL

DATE IN	TIME IN
8 October 2003	1:56 pm
DATE OUT	**TIME OUT**
8 October 2003	3:06 pm
VEHICLE	**ROLL OFF**
CEC-469	

REFERENCE	ORIGIN
	Inbound - NEW YORK

000100
SEE GENERATOR
P O BOX 344 LPO
NIAGARA FALLS, NY 14304-0344

Contract: SPC

00 Gross Weight 64,540.00 LB
Tare Weight 31,800.00 LB
Net Weight 32,740.00 LB 16.37 TN CECOS

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
16.37 TN	SI	Special Waste				
		(WO# 286143)				

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

THINK BEFORE YOU ACT

[illegible signature] BFC

Post-it™ brand fax transmittal memo 7671 | # of pages ▸ 1

To	From
D. Davis	R. Carlson
Cc. ORC G	Co. CECOS
Dept.	Phone #
Fax # (315) 463-7440	Fax # (716) 282-6073

CECOS
56th Street & Niagara Falls Blvd
Niagara Falls NY 14304 (716)282-2676

000100
SEE GENERATOR
P O BOX 344 LPO
NIAGARA FALLS, NY 14304-0344

Contract: SPC

SITE	TICKET	GRID
23	130690	

WEIGHMASTER: AL

DATE IN	TIME IN
8 October 2003	3:38 pm

DATE OUT	TIME OUT
8 October 2003	4:40 pm

VEHICLE	ROLL OFF
CEC-34	

REFERENCE	ORIGIN
	Inbound - NEW YORK

00 Gross Weight 72,100.00 LB
Tare Weight 36,440.00 LB
Net Weight 35,660.00 LB 17.83 TN

CECOS

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
17.83 TN	S1	Special Waste (WO# 286144)				

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

THINK BEFORE YOU ACT

O. D. Wash

CECOS
56th Street & Niagara Falls Blvd
Niagara Falls NY 14304 (716)282-2676

0100
SEE GENERATOR
P O BOX 344 LPO
NIAGARA FALLS, NY 14304-0344

Contract: SPC

SITE	TICKET	GRID
22	134689	

WEIGHMASTER: AL

DATE IN	TIME IN
5 November 2003	1:07 pm
DATE OUT	**TIME OUT**
5 November 2003	3:05 pm
VEHICLE	**ROLL OFF**
CEC-76	
REFERENCE	**ORIGIN**
	Inbound - NEW YORK

00 Gross Weight 77,000.00 LB
Tare Weight 35,800.00 LB
Net Weight 41,200.00 LB 20.60 TN

TONAWANDA TANK
CECOS

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
20.60 TN	S1	Special Waste (WO# 286210)				

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

THINK BEFORE YOU ACT

SIGNATURE X Matt Fuller

CECOS
56TH Street & Niagara Falls Blvd
Niagara Falls NY 14304 (716)282-2676

100
SEE GENERATOR
P O BOX 344 LPO
NIAGARA FALLS, NY 14304-0344

Contract: SPC

SITE	TICKET	GRID
32	134662	

WEIGHMASTER: PAM

DATE IN	TIME IN
5 November 2003	12:21 pm
DATE OUT	**TIME OUT**
5 November 2003	1:42 pm
VEHICLE	**ROLL OFF**
CEC-119	
REFERENCE	**ORIGIN**
	Inbound - NEW YORK

TONAWANDA TANK

00 Gross Weight 75,880.00 LB
Tare Weight 34,380.00 LB
Net Weight 41,500.00 LB 20.75 TN

CECOS

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
20.75 TN	S1	Special Waste (WO# 286211)				

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

THINK BEFORE YOU ACT

SIGNATURE

CECOS
56th Street & Niagara Falls Blvd
Niagara Falls NY 14304 (716)282-2676

000100
E GENERATOR
O BOX 344 LPO
NIAGARA FALLS, NY 14304-0344

Contract: SPC

SITE	TICKET	GRID
22	137856	

WEIGHMASTER: PAM

DATE IN	TIME IN
3 December 2003	3:26 pm
DATE OUT	**TIME OUT**
3 December 2003	4:40 pm
VEHICLE	**ROLL OFF**
CEC-DUMMY	
REFERENCE	**ORIGIN**
	Inbound - NEW YORK

00 Gross Weight 76,340.00 LB
Tare Weight 32,200.00 LB
Net Weight 44,140.00 LB 22.07 TN

CECOS

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
22.07 TN	S1	Special Waste (WO# 286279)				

561.01

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

THINK BEFORE YOU ACT

SIGNATURE

CECOS
56th Street & Niagara Falls Blvd
Niagara Falls NY 14304 (716)282-2676

00100
E GENERATOR
P O BOX 344 LPO
NIAGARA FALLS, NY 14304-0344

Contract: SPC

SITE	TICKET	GRID
22	137861	

WEIGHMASTER: PAM

DATE IN	TIME IN
3 December 2003	3:44 pm
DATE OUT	**TIME OUT**
3 December 2003	5:09 pm
VEHICLE	**ROLL OFF**
CEC-DUMMY1	
REFERENCE	**ORIGIN**
NYG3448998	Inbound - NEW YORK

00 Gross Weight 77,620.00 LB
Tare Weight 37,220.00 LB
Net Weight 40,400.00 LB 20.20 TN

CECOS

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
20.20 TN	S1	Special Waste (WO#286280)				

SG1101

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

THINK BEFORE YOU ACT

SIGNATURE

ATTACHMENT B-5

SEMI-ANNUAL MONITORING LAB REPORTS
NOVEMBER 2003

Laboratory Report

O'Brien & Gere Inc. of North America
PAS Site
Oswego, NY
Water Samples
SDG 6690

Volume 1 of 1

November 3, 2003

O'BRIEN & GERE
LABORATORIES, INC.

ANALYTICAL PACKAGE

for

O'Brien & Gere Inc. of North America
PAS Site
Oswego, NY
Water Samples

Water samples collected: November 3, 2003

Volume 1 of 1

Prepared for:

O'Brien & Gere Inc.of North America
P.O. Box 5240
Syracuse, NY 13221-5240

Prepared by:

O'Brien & Gere Laboratories, Inc.
5000 Brittonfield Parkway
Suite 300, P.O. Box 4942
Syracuse, NY 13221

Authorized _____

Date 12.4.03

Reviewed _____

Date 12/4/3

TABLE OF CONTENTS

Laboratory Report

Project Management Case Narrative

INTRODUCTION/ANALYTICAL RESULTS

This report summarizes the laboratory results for O'Brien & Gere Inc. of North America samples from the PAS site located in Oswego, NY. Samples were delivered to O'Brien & Gere Laboratories, Inc. in Syracuse, NY for analysis. Immediately following the narrative is the Cross Reference Table that lists the site descriptions, sample numbers, date(s) collected, date(s) received, package number(s).

CONDITION UPON RECEIPT/CHAIN OF CUSTODY

The cooler(s) were received intact. When the cooler(s) were received by the laboratory, the sample custodian(s) opened and inspected the shipment(s) for damage, custody inconsistencies and proper preservation. Chains of custody documenting receipt are presented in the chain of custody section. Each sample was assigned a unique laboratory number and a custody file created. The samples were placed in a secured walk-in cooler and signed in and out by the chemists performing the tests. The sign out record, or lab chronicle, is presented in the chain of custody section.

No discrepancies were noted upon receipt. The hand-delivered cooler temperature was 2.6°C.

METHODOLOGY

The following methods were used to perform the analyses:

PARAMETER	METHOD	REFERENCE
Volatile Organics	8260B	1
Biochemical Oxygen Demand	405.1	2
Chemical Oxygen Demand	410.4	2
Total Dissolved Solids	160.1	2
Total Organic Carbon	415.1	2
Total Suspended Solids	160.2	2

1) Test Methods for Evaluating Solid Wastes, SW-846 Third Edition, Final Update III, December 1996.

2) Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, 1983.

QUALITY CONTROL

QA/QC results are summarized in the Sample Data Package and are also included in the raw data.

RAW DATA

The raw data is organized in a format similar to the US EPA Contract Laboratory Program order of data requirements.

GC/MS Volatile Organics Case Narrative

Client: O'Brien & Gere Inc. of North America
Job Number: 3027.333.32301
Package #: 6690
Methodology: 8260B

Analyzed/Reviewed by (Initials/Date): 11/24/03

Supervisor/Reviewed by (Initials/Date): 11-25-03

QA/QC Review (Initials/Date):

File Name: C:\Documents WS2\narratives\6690vnar.doc

GC/MS Volatile Organics
The GC/MS Volatile instruments used a Restek Rtx-VMS, 40 m x 0.18 mm ID capillary column and a Vocarb 3000 trap.

Holding Times and Sample Preservation
All samples were prepared and analyzed within the method and/or QAPP specified holding time requirements. Samples had a pH of < 2.

Laboratory Control Sample
All spike recoveries met method and/or project specific QC criteria.

MS/MSD/MSB
The following compound(s) did not meet matrix spike/matrix spike duplicate percent recovery and/or RPD criteria:

Sample Description	Sample #	Compound	% REC	RPD	Corrective Action
M-21	B2749	Acetone	X		1

1 The recovery for this compound in the associated LCS and/or duplicate LCS was within acceptance limits. No corrective action was taken.

Surrogate Standards
All surrogate standard recoveries met method and/or project specific QC criteria.

Internal Standards
All internal standard areas met method and/or project specific QC criteria.

Calibrations
All initial calibrations and calibration verifications met method and/or project specific QC criteria.

Preparation Blanks
All preparation blanks met method and/or project specific QC criteria.

Wet Chemistry Case Narrative

Client:	O'Brien & Gere Inc. of North America
Job Number:	3027.333.32301
Package #:	6690
Methodology:	BOD 5 – EPA 405.1 COD – EPA 410.4 Total dissolved solids – EPA 160.1 Total organic carbon – EPA 415.1 Total suspended solids – EPA 160.2

Analyzed/Reviewed by (Date/Initials): 11-25-03 LT

Supervisor/Reviewed by (Date/Initials): 11-25-03 MVT

QA/QC Review (Date/Initials): 11/25/3

Wet Chemistry

There were no excursions to note. All QC results were within established control limits.

CROSS REFERENCE TABLE

Site	Sample Number	Date Collected	Date Time	Received	Package
EQUIPMENT RINSE BLANK(Equipment Blank)	B2746	11/03/2003	10:00	11/04/2003	6690
M-26	B2747	11/03/2003	10:30	11/04/2003	6690
LR-8	B2748	11/03/2003	13:00	11/04/2003	6690
M-21	B2749 MS	11/03/2003	14:00	11/04/2003	6690
M-21	B2749 MSD	11/03/2003	14:00	11/04/2003	6690
M-21	B2749	11/03/2003	14:00	11/04/2003	6690
M-25	B2750	11/03/2003	15:00	11/04/2003	6690
LCW-2	B2751 D	11/03/2003	15:45	11/04/2003	6690
LCW-2	B2751 MS	11/03/2003	15:45	11/04/2003	6690
LCW-2	B2751	11/03/2003	15:45	11/04/2003	6690
LCW-4	B2752	11/03/2003	16:00	11/04/2003	6690
LR-6	B2753	11/03/2003	16:00	11/04/2003	6690
QC Trip Blank	B2754	11/03/2003		11/04/2003	6690

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#: 6690
Sample: B2746
Sample Description: EQUIPMENT RINSE BLANK
Instrument: HP5973 GCMS#3
Units: ug/L
Number of analytes: 48

Job No.: 3027.333.32301
Certification NY No.: 10155

Collected: 11/03/03
Received: 11/04/03
Prepared: 11/11/03

Matrix: Water
QC Batch: 111103W3
%Solids:
Sample Size: 10 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed Notes
Dichlorodifluoromethane	<1.0	U	.026	1.0	11/11/03
Chloromethane	<1.0	U	.036	1.0	11/11/03
Vinyl chloride	<1.0	U	.023	1.0	11/11/03
Bromomethane	<1.0	U	.037	1.0	11/11/03
Chloroethane	<1.0	U	.043	1.0	11/11/03
Trichlorofluoromethane	<1.0	U	.018	1.0	11/11/03
Acetone	<10.	U	.17	10.	11/11/03
1,1-Dichloroethene	<.50	U	.025	.50	11/11/03
Methylene chloride	<2.0	U	.055	2.0	11/11/03
Carbon disulfide	<.50	U	.030	.50	11/11/03
trans-1,2-Dichloroethene	<.50	U	.037	.50	11/11/03
Methyl tert-butyl ether	<.50	U	.019	.50	11/11/03
1,1-Dichloroethane	<.50	U	.017	.50	11/11/03
2-Butanone	<10.	U	.088	10.	11/11/03
cis-1,2-Dichloroethene	<.50	U	.021	.50	11/11/03
Chloroform	<.50	U	.015	.50	11/11/03
1,2-Dichloroethane	<.50	U	.029	.50	11/11/03
1,1,1-Trichloroethane	<.50	U	.021	.50	11/11/03
Carbon tetrachloride	<.50	U	.019	.50	11/11/03
Benzene	<.50	U	.032	.50	11/11/03
1,2-Dichloropropane	<.50	U	.037	.50	11/11/03
Trichloroethene	<.50	U	.029	.50	11/11/03
Bromodichloromethane	<.50	U	.013	.50	11/11/03
cis-1,3-Dichloropropene	<.50	U	.016	.50	11/11/03
4-Methyl-2-pentanone	<5.0	U	.32	5.0	11/11/03
trans-1,3-Dichloropropene	<.50	U	.022	.50	11/11/03
1,1,2-Trichloroethane	<.50	U	.035	.50	11/11/03
Toluene	<.50	U	.038	.50	11/11/03
Dibromochloromethane	<.50	U	.018	.50	11/11/03
2-Hexanone	<5.0	U	.078	5.0	11/11/03
1,2-Dibromoethane	<.50	U	.032	.50	11/11/03
Tetrachloroethene	<.50	U	.033	.50	11/11/03
Chlorobenzene	<.50	U	.033	.50	11/11/03

Authorized: Thomas A Alexander
Date: November 12, 2003 Thomas Alexander

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

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#: 6690
Sample: B2746
Sample Description: EQUIPMENT RINSE BLANK
Instrument: HP5973 GCMS#3
Units: ug/L
Number of analytes: 48

Job No.: 3027.333.32301
Certification NY No.: 10155

Collected: 11/03/03
Received: 11/04/03
Prepared: 11/11/03

Matrix: Water
QC Batch: 111103W3
%Solids:
Sample Size: 10 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed Notes
Ethylbenzene	<.50	U	.020	.50	11/11/03
Bromoform	<.50	U	.035	.50	11/11/03
Xylene (total)	<.50	U	.046	.50	11/11/03
Styrene	<.50	U	.018	.50	11/11/03
1,1,2,2-Tetrachloroethane	<.50	U	.063	.50	11/11/03
Isopropylbenzene	<.50	U	.020	.50	11/11/03
1,3-Dichlorobenzene	<.50	U	.020	.50	11/11/03
1,4-Dichlorobenzene	<.50	U	.025	.50	11/11/03
1,2-Dichlorobenzene	<.50	U	.040	.50	11/11/03
1,2-Dibromo-3-chloropropane	<1.0	U	.15	1.0	11/11/03
1,2,4-Trichlorobenzene	<1.0	U	.035	1.0	11/11/03
1,1,2-Trichloro-1,2,2-trifluoroethane	<.50	U	.026	.50	11/11/03
Methyl acetate	<.50	U	.12	.50	11/11/03
Cyclohexane	<.50	U	.018	.50	11/11/03
Methylcyclohexane	<.50	U	.032	.50	11/11/03

Surrogate	%R	Qual	%R Limits
Dibromofluoromethane (surrogate)	109		78-125
1,2-Dichloroethane-d4 (surrogate)	115		76-134
Toluene-d8 (surrogate)	99		80-120
Bromofluorobenzene (surrogate)	91		71-120

Notes:

Thomas A Alexander

Authorized: _____
Date: November 12, 2003 Thomas Alexander

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

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#: 6690
Sample: B2747
Sample Description: M-26
Instrument: HP5973 GCMS#3
Units: ug/L
Number of analytes: 48

Job No.: 3027.333.32301
Certification NY No.: 10155

Collected: 11/03/03
Received: 11/04/03
Prepared: 11/11/03

Matrix: Water
QC Batch: 111103W3
%Solids:
Sample Size: 10 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed Notes
Dichlorodifluoromethane	<1.0	U	.026	1.0	11/11/03
Chloromethane	<1.0	U	.036	1.0	11/11/03
Vinyl chloride	<1.0	U	.023	1.0	11/11/03
Bromomethane	<1.0	U	.037	1.0	11/11/03
Chloroethane	<1.0	U	.043	1.0	11/11/03
Trichlorofluoromethane	<1.0	U	.018	1.0	11/11/03
Acetone	<10.	U	.17	10.	11/11/03
1,1-Dichloroethene	<.50	U	.025	.50	11/11/03
Methylene chloride	<2.0	U	.055	2.0	11/11/03
Carbon disulfide	<.50	U	.030	.50	11/11/03
trans-1,2-Dichloroethene	<.50	U	.037	.50	11/11/03
Methyl tert-butyl ether	<.50	U	.019	.50	11/11/03
1,1-Dichloroethane	<.50	U	.017	.50	11/11/03
2-Butanone	<10.	U	.088	10.	11/11/03
cis-1,2-Dichloroethene	<.50	U	.021	.50	11/11/03
Chloroform	<.50	U	.015	.50	11/11/03
1,2-Dichloroethane	<.50	U	.029	.50	11/11/03
1,1,1-Trichloroethane	<.50	U	.021	.50	11/11/03
Carbon tetrachloride	<.50	U	.019	.50	11/11/03
Benzene	<.50	U	.032	.50	11/11/03
1,2-Dichloropropane	<.50	U	.037	.50	11/11/03
Trichloroethene	<.50	U	.029	.50	11/11/03
Bromodichloromethane	<.50	U	.013	.50	11/11/03
cis-1,3-Dichloropropene	<.50	U	.016	.50	11/11/03
4-Methyl-2-pentanone	<5.0	U	.32	5.0	11/11/03
trans-1,3-Dichloropropene	<.50	U	.022	.50	11/11/03
1,1,2-Trichloroethane	<.50	U	.035	.50	11/11/03
Toluene	<.50	U	.038	.50	11/11/03
Dibromochloromethane	<.50	U	.018	.50	11/11/03
2-Hexanone	<5.0	U	.078	5.0	11/11/03
1,2-Dibromoethane	<.50	U	.032	.50	11/11/03
Tetrachloroethene	<.50	U	.033	.50	11/11/03
Chlorobenzene	<.50	U	.033	.50	11/11/03

Thomas A Alexander

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized: _____
Date: November 12, 2003 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#: 6690
Sample: B2747
Sample Description: M-26
Instrument: HP5973 GCMS#3
Units: ug/L
Number of analytes: 48

Job No.: 3027.333.32301
Certification NY No.: 10155

Collected: 11/03/03
Received: 11/04/03
Prepared: 11/11/03

Matrix: Water
QC Batch: 111103W3
%Solids:
Sample Size: 10 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Ethylbenzene	<.50	U	.020	.50	11/11/03	
Bromoform	<.50	U	.035	.50	11/11/03	
Xylene (total)	<.50	U	.046	.50	11/11/03	
Styrene	<.50	U	.018	.50	11/11/03	
1,1,2,2-Tetrachloroethane	<.50	U	.063	.50	11/11/03	
Isopropylbenzene	<.50	U	.020	.50	11/11/03	
1,3-Dichlorobenzene	<.50	U	.020	.50	11/11/03	
1,4-Dichlorobenzene	<.50	U	.025	.50	11/11/03	
1,2-Dichlorobenzene	<.50	U	.040	.50	11/11/03	
1,2-Dibromo-3-chloropropane	<1.0	U	.15	1.0	11/11/03	
1,2,4-Trichlorobenzene	<1.0	U	.035	1.0	11/11/03	
1,1,2-Trichloro-1,2,2-trifluoroethane	<.50	U	.026	.50	11/11/03	
Methyl acetate	<.50	U	.12	.50	11/11/03	
Cyclohexane	<.50	U	.018	.50	11/11/03	
Methylcyclohexane	<.50	U	.032	.50	11/11/03	

Surrogate	%R	Qual	%R Limits
Dibromofluoromethane (surrogate)	109		78-125
1,2-Dichloroethane-d4 (surrogate)	114		76-134
Toluene-d8 (surrogate)	101		80-120
Bromofluorobenzene (surrogate)	91		71-120

Notes:

Thomas Alexander

Authorized: _____
Date: November 12, 2003 Thomas Alexander

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- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

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#: 6690
Sample: B2748
Sample Description: LR-8
Instrument: HP5973 GCMS#3
Units: ug/L
Number of analytes: 48

Job No.: 3027.333.32301
Certification NY No.: 10155

Collected: 11/03/03
Received: 11/04/03
Prepared: 11/11/03

Matrix: Water
QC Batch: 111103W3
%Solids:
Sample Size: 10 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed Notes
Dichlorodifluoromethane	<1.0	U	.026	1.0	11/11/03
Chloromethane	<1.0	U	.036	1.0	11/11/03
Vinyl chloride	<1.0	U	.023	1.0	11/11/03
Bromomethane	<1.0	U	.037	1.0	11/11/03
Chloroethane	5.4		.043	1.0	11/11/03
Trichlorofluoromethane	<1.0	U	.018	1.0	11/11/03
Acetone	<10.	U	.17	10.	11/11/03
1,1-Dichloroethene	<.50	U	.025	.50	11/11/03
Methylene chloride	J .22	J	.055	2.0	11/11/03
Carbon disulfide	<.50	U	.030	.50	11/11/03
trans-1,2-Dichloroethene	<.50	U	.037	.50	11/11/03
Methyl tert-butyl ether	<.50	U	.019	.50	11/11/03
1,1-Dichloroethane	J .10	J	.017	.50	11/11/03
2-Butanone	<10.	U	.088	10.	11/11/03
cis-1,2-Dichloroethene	<.50	U	.021	.50	11/11/03
Chloroform	<.50	U	.015	.50	11/11/03
1,2-Dichloroethane	<.50	U	.029	.50	11/11/03
1,1,1-Trichloroethane	<.50	U	.021	.50	11/11/03
Carbon tetrachloride	<.50	U	.019	.50	11/11/03
Benzene	21.		.032	.50	11/11/03
1,2-Dichloropropane	<.50	U	.037	.50	11/11/03
Trichloroethene	<.50	U	.029	.50	11/11/03
Bromodichloromethane	<.50	U	.013	.50	11/11/03
cis-1,3-Dichloropropene	<.50	U	.016	.50	11/11/03
4-Methyl-2-pentanone	<5.0	U	.32	5.0	11/11/03
trans-1,3-Dichloropropene	<.50	U	.022	.50	11/11/03
1,1,2-Trichloroethane	<.50	U	.035	.50	11/11/03
Toluene	J .47	J	.038	.50	11/11/03
Dibromochloromethane	<.50	U	.018	.50	11/11/03
2-Hexanone	<5.0	U	.078	5.0	11/11/03
1,2-Dibromoethane	<.50	U	.032	.50	11/11/03
Tetrachloroethene	<.50	U	.033	.50	11/11/03
Chlorobenzene	9.7		.033	.50	11/11/03

Authorized: Thomas Alexander
Date: November 12, 2003

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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#: 6690
Sample: B2748
Sample Description: LR-8
Instrument: HP5973 GCMS#3
Units: ug/L
Number of analytes: 48

Job No.: 3027 . 333 .32301
Certification NY No.: 10155

Collected: 11/03/03
Received: 11/04/03
Prepared: 11/11/03

Matrix: Water
QC Batch: 111103W3
%Solids:
Sample Size: 10 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed Notes
Ethylbenzene	<.50	U	.020	.50	11/11/03
Bromoform	<.50	U	.035	.50	11/11/03
Xylene (total)	1.4		.046	.50	11/11/03
Styrene	<.50	U	.018	.50	11/11/03
1,1,2,2-Tetrachloroethane	<.50	U	.063	.50	11/11/03
Isopropylbenzene	1.2		.020	.50	11/11/03
1,3-Dichlorobenzene	J .18	J	.020	.50	11/11/03
1,4-Dichlorobenzene	.72		.025	.50	11/11/03
1,2-Dichlorobenzene	.57		.040	.50	11/11/03
1,2-Dibromo-3-chloropropane	<1.0	U	.15	1.0	11/11/03
1,2,4-Trichlorobenzene	<1.0	U	.035	1.0	11/11/03
1,1,2-Trichloro-1,2,2-trifluoroethane	<.50	U	.026	.50	11/11/03
Methyl acetate	<.50	U	.12	.50	11/11/03
Cyclohexane	1.6		.018	.50	11/11/03
Methylcyclohexane	J .26	J	.032	.50	11/11/03

Surrogate	%R	Qual	%R Limits
Dibromofluoromethane (surrogate)	106		78-125
1,2-Dichloroethane-d4 (surrogate)	114		76-134
Toluene-d8 (surrogate)	101		80-120
Bromofluorobenzene (surrogate)	95		71-120

Notes:

Authorized: Thomas Alexander
Date: November 12, 2003

B - Analyte detected above the PQL in the associated Prep Blank.
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E - concentration exceeded the calibration range and is estimated.

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#: 6690
Sample: B2749
Sample Description: M-21
Instrument: HP5973 GCMS#3
Units: ug/L
Number of analytes: 48

Job No.: 3027.333.32301
Certification NY No.: 10155

Collected: 11/03/03
Received: 11/04/03
Prepared: 11/11/03

Matrix: Water
QC Batch: 111103W3
%Solids:
Sample Size: 10 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed Notes
Dichlorodifluoromethane	<1.0	U	.026	1.0	11/11/03
Chloromethane	<1.0	U	.036	1.0	11/11/03
Vinyl chloride	<1.0	U	.023	1.0	11/11/03
Bromomethane	<1.0	U	.037	1.0	11/11/03
Chloroethane	3.0		.043	1.0	11/11/03
Trichlorofluoromethane	<1.0	U	.018	1.0	11/11/03
Acetone	<10.	U	.17	10.	11/11/03
1,1-Dichloroethene	<.50	U	.025	.50	11/11/03
Methylene chloride	<2.0	U	.055	2.0	11/11/03
Carbon disulfide	<.50	U	.030	.50	11/11/03
trans-1,2-Dichloroethene	<.50	U	.037	.50	11/11/03
Methyl tert-butyl ether	<.50	U	.019	.50	11/11/03
1,1-Dichloroethane	<.50	U	.017	.50	11/11/03
2-Butanone	<10.	U	.088	10.	11/11/03
cis-1,2-Dichloroethene	<.50	U	.021	.50	11/11/03
Chloroform	<.50	U	.015	.50	11/11/03
1,2-Dichloroethane	<.50	U	.029	.50	11/11/03
1,1,1-Trichloroethane	<.50	U	.021	.50	11/11/03
Carbon tetrachloride	<.50	U	.019	.50	11/11/03
Benzene	4.2		.032	.50	11/11/03
1,2-Dichloropropane	<.50	U	.037	.50	11/11/03
Trichloroethene	<.50	U	.029	.50	11/11/03
Bromodichloromethane	<.50	U	.013	.50	11/11/03
cis-1,3-Dichloropropene	<.50	U	.016	.50	11/11/03
4-Methyl-2-pentanone	<5.0	U	.32	5.0	11/11/03
trans-1,3-Dichloropropene	<.50	U	.022	.50	11/11/03
1,1,2-Trichloroethane	<.50	U	.035	.50	11/11/03
Toluene	J .14	J	.038	.50	11/11/03
Dibromochloromethane	<.50	U	.018	.50	11/11/03
2-Hexanone	<5.0	U	.078	5.0	11/11/03
1,2-Dibromoethane	<.50	U	.032	.50	11/11/03
Tetrachloroethene	<.50	U	.033	.50	11/11/03
Chlorobenzene	1.8		.033	.50	11/11/03

Thomas A Alexander

Authorized:_____
Date: November 12, 2003 Thomas Alexander

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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#: 6690
Sample: B2749
Sample Description: M-21
Instrument: HP5973 GCMS#3
Units: ug/L
Number of analytes: 48

Job No.: 3027 . 333 . 32301
Certification NY No.: 10155

Collected: 11/03/03
Received: 11/04/03
Prepared: 11/11/03

Matrix: Water
QC Batch: 111103W3
%Solids:
Sample Size: 10 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Ethylbenzene	<.50	U	.020	.50	11/11/03	
Bromoform	<.50	U	.035	.50	11/11/03	
Xylene (total)	J .15	J	.046	.50	11/11/03	
Styrene	<.50	U	.018	.50	11/11/03	
1,1,2,2-Tetrachloroethane	<.50	U	.063	.50	11/11/03	
Isopropylbenzene	J .45	J	.020	.50	11/11/03	
1,3-Dichlorobenzene	<.50	U	.020	.50	11/11/03	
1,4-Dichlorobenzene	J .10	J	.025	.50	11/11/03	
1,2-Dichlorobenzene	J .19	J	.040	.50	11/11/03	
1,2-Dibromo-3-chloropropane	<1.0	U	.15	1.0	11/11/03	
1,2,4-Trichlorobenzene	<1.0	U	.035	1.0	11/11/03	
1,1,2-Trichloro-1,2,2-trifluoroethane	<.50	U	.026	.50	11/11/03	
Methyl acetate	<.50	U	.12	.50	11/11/03	
Cyclohexane	.54		.018	.50	11/11/03	
Methylcyclohexane	J .15	J	.032	.50	11/11/03	

Surrogate	%R	Qual	%R Limits
Dibromofluoromethane (surrogate)	107		78-125
1,2-Dichloroethane-d4 (surrogate)	116		76-134
Toluene-d8 (surrogate)	99		80-120
Bromofluorobenzene (surrogate)	92		71-120

Notes:

Thomas A Alexander

Authorized: _____
Date: November 12, 2003 Thomas Alexander

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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#: 6690
Sample: B2750
Sample Description: M-25
Instrument: HP5973 GCMS#3
Units: ug/L
Number of analytes: 48

Job No.: 3027.333.32301
Certification NY No.: 10155

Collected: 11/03/03
Received: 11/04/03
Prepared: 11/11/03

Matrix: Water
QC Batch: 111103W3
%Solids:
Sample Size: 10 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed Notes
Dichlorodifluoromethane	<1.0	U	.026	1.0	11/11/03
Chloromethane	<1.0	U	.036	1.0	11/11/03
Vinyl chloride	<1.0	U	.023	1.0	11/11/03
Bromomethane	<1.0	U	.037	1.0	11/11/03
Chloroethane	<1.0	U	.043	1.0	11/11/03
Trichlorofluoromethane	<1.0	U	.018	1.0	11/11/03
Acetone	<10.	U	.17	10.	11/11/03
1,1-Dichloroethene	<.50	U	.025	.50	11/11/03
Methylene chloride	J .13	J	.055	2.0	11/11/03
Carbon disulfide	<.50	U	.030	.50	11/11/03
trans-1,2-Dichloroethene	<.50	U	.037	.50	11/11/03
Methyl tert-butyl ether	.54		.019	.50	11/11/03
1,1-Dichloroethane	<.50	U	.017	.50	11/11/03
2-Butanone	<10.	U	.088	10.	11/11/03
cis-1,2-Dichloroethene	<.50	U	.021	.50	11/11/03
Chloroform	6.9		.015	.50	11/11/03
1,2-Dichloroethane	<.50	U	.029	.50	11/11/03
1,1,1-Trichloroethane	<.50	U	.021	.50	11/11/03
Carbon tetrachloride	<.50	U	.019	.50	11/11/03
Benzene	<.50	U	.032	.50	11/11/03
1,2-Dichloropropane	<.50	U	.037	.50	11/11/03
Trichloroethene	<.50	U	.029	.50	11/11/03
Bromodichloromethane	1.4		.013	.50	11/11/03
cis-1,3-Dichloropropene	<.50	U	.016	.50	11/11/03
4-Methyl-2-pentanone	<5.0	U	.32	5.0	11/11/03
trans-1,3-Dichloropropene	<.50	U	.022	.50	11/11/03
1,1,2-Trichloroethane	<.50	U	.035	.50	11/11/03
Toluene	<.50	U	.038	.50	11/11/03
Dibromochloromethane	J .40	J	.018	.50	11/11/03
2-Hexanone	<5.0	U	.078	5.0	11/11/03
1,2-Dibromoethane	<.50	U	.032	.50	11/11/03
Tetrachloroethene	<.50	U	.033	.50	11/11/03
Chlorobenzene	<.50	U	.033	.50	11/11/03

Thomas A Alexander

Authorized: _____
Date: November 12, 2003 Thomas Alexander

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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#: 6690
Sample: B2751
Sample Description: LCW-2
Instrument: HP5973 GCMS#3
Units: ug/L
Number of analytes: 48

Job No.: 3027.333.32301
Certification NY No.: 10155

Collected: 11/03/03
Received: 11/04/03
Prepared: 11/11/03

Matrix: Water
QC Batch: 111103W3
%Solids:
Sample Size: 10 mL
Dilution: 10

Parameter	Result	Qual	MDL	PQL	Analyzed Notes
Dichlorodifluoromethane	<10.	U	.26	10.	11/11/03
Chloromethane	<10.	U	.36	10.	11/11/03
Vinyl chloride	J 7.3	J	.23	10.	11/11/03
Bromomethane	<10.	U	.37	10.	11/11/03
Chloroethane	17.		.43	10.	11/11/03
Trichlorofluoromethane	<10.	U	.18	10.	11/11/03
Acetone	<100.	U	1.7	100.	11/11/03
1,1-Dichloroethene	<5.0	U	.25	5.0	11/11/03
Methylene chloride	J 2.3	J	.55	20.	11/11/03
Carbon disulfide	<5.0	U	.30	5.0	11/11/03
trans-1,2-Dichloroethene	J 2.0	J	.37	5.0	11/11/03
Methyl tert-butyl ether	<5.0	U	.19	5.0	11/11/03
1,1-Dichloroethane	39.		.17	5.0	11/11/03
2-Butanone	<100.	U	.88	100.	11/11/03
cis-1,2-Dichloroethene	10.		.21	5.0	11/11/03
Chloroform	J 4.5	J	.15	5.0	11/11/03
1,2-Dichloroethane	6.0		.29	5.0	11/11/03
1,1,1-Trichloroethane	26.		.21	5.0	11/11/03
Carbon tetrachloride	<5.0	U	.19	5.0	11/11/03
Benzene	200.		.32	5.0	11/11/03
1,2-Dichloropropane	<5.0	U	.37	5.0	11/11/03
Trichloroethene	42.		.29	5.0	11/11/03
Bromodichloromethane	<5.0	U	.13	5.0	11/11/03
cis-1,3-Dichloropropene	<5.0	U	.16	5.0	11/11/03
4-Methyl-2-pentanone	<50.	U	3.2	50.	11/11/03
trans-1,3-Dichloropropene	<5.0	U	.22	5.0	11/11/03
1,1,2-Trichloroethane	<5.0	U	.35	5.0	11/11/03
Toluene	41.		.38	5.0	11/11/03
Dibromochloromethane	<5.0	U	.18	5.0	11/11/03
2-Hexanone	<50.	U	.78	50.	11/11/03
1,2-Dibromoethane	<5.0	U	.32	5.0	11/11/03
Tetrachloroethene	42.		.33	5.0	11/11/03
Chlorobenzene	72.		.33	5.0	11/11/03

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E - concentration exceeded the calibration range and is estimated.

Authorized: Thomas A Alexander
Date: November 12, 2003 Thomas Alexander

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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#: 6690
Sample: B2751
Sample Description: LCW-2
Instrument: HP5973 GCMS#3
Units: ug/L
Number of analytes: 48

Job No.: 3027.333.32301
Certification NY No.: 10155

Collected: 11/03/03
Received: 11/04/03
Prepared: 11/11/03

Matrix: Water
QC Batch: 111103W3
%Solids:
Sample Size: 10 mL
Dilution: 10

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Ethylbenzene	190.		.20	5.0	11/11/03	
Bromoform	<5.0	U	.35	5.0	11/11/03	
Xylene (total)	200.		.46	5.0	11/11/03	
Styrene	<5.0	U	.18	5.0	11/11/03	
1,1,2,2-Tetrachloroethane	J 3.7	J	.63	5.0	11/11/03	
Isopropylbenzene	J 2.7	J	.20	5.0	11/11/03	
1,3-Dichlorobenzene	<5.0	U	.20	5.0	11/11/03	
1,4-Dichlorobenzene	J 1.6	J	.25	5.0	11/11/03	
1,2-Dichlorobenzene	12.		.40	5.0	11/11/03	
1,2-Dibromo-3-chloropropane	<10.	U	1.5	10.	11/11/03	
1,2,4-Trichlorobenzene	<10.	U	.35	10.	11/11/03	
1,1,2-Trichloro-1,2,2-trifluoroethane	<5.0	U	.26	5.0	11/11/03	
Methyl acetate	<5.0	U	1.2	5.0	11/11/03	
Cyclohexane	J 1.3	J	.18	5.0	11/11/03	
Methylcyclohexane	<5.0	U	.32	5.0	11/11/03	

Surrogate	%R	Qual	%R Limits
Dibromofluoromethane (surrogate)	109		78-125
1,2-Dichloroethane-d4 (surrogate)	114		76-134
Toluene-d8 (surrogate)	97		80-120
Bromofluorobenzene (surrogate)	97		71-120

Notes:

Authorized: Thomas A Alexander
Date: November 12, 2003 Thomas Alexander

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J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

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#: 6690
Sample: B2752
Sample Description: LCW-4
Instrument: HP5973 GCMS#3
Units: ug/L
Number of analytes: 48

Job No.: 3027.333.32301
Certification NY No.: 10155

Collected: 11/03/03
Received: 11/04/03
Prepared: 11/11/03

Matrix: Water
QC Batch: 111103W3
%Solids:
Sample Size: 10 mL
Dilution: 50

Parameter	Result	Qual	MDL	PQL	Analyzed Notes
Dichlorodifluoromethane	<50.	U	1.3	50.	11/11/03
Chloromethane	<50.	U	1.8	50.	11/11/03
Vinyl chloride	54.		1.2	50.	11/11/03
Bromomethane	<50.	U	1.8	50.	11/11/03
Chloroethane	62.		2.2	50.	11/11/03
Trichlorofluoromethane	<50.	U	.90	50.	11/11/03
Acetone	<500.	U	8.6	500.	11/11/03
1,1-Dichloroethene	<25.	U	1.2	25.	11/11/03
Methylene chloride	J 5.7	J	2.8	100.	11/11/03
Carbon disulfide	<25.	U	1.5	25.	11/11/03
trans-1,2-Dichloroethene	<25.	U	1.8	25.	11/11/03
Methyl tert-butyl ether	<25.	U	.95	25.	11/11/03
1,1-Dichloroethane	60.		.85	25.	11/11/03
2-Butanone	<500.	U	4.4	500.	11/11/03
cis-1,2-Dichloroethene	120.		1.0	25.	11/11/03
Chloroform	<25.	U	.75	25.	11/11/03
1,2-Dichloroethane	29.		1.4	25.	11/11/03
1,1,1-Trichloroethane	<25.	U	1.0	25.	11/11/03
Carbon tetrachloride	<25.	U	.95	25.	11/11/03
Benzene	350.		1.6	25.	11/11/03
1,2-Dichloropropane	<25.	U	1.8	25.	11/11/03
Trichloroethene	<25.	U	1.4	25.	11/11/03
Bromodichloromethane	<25.	U	.65	25.	11/11/03
cis-1,3-Dichloropropene	<25.	U	.80	25.	11/11/03
4-Methyl-2-pentanone	<250.	U	16.	250.	11/11/03
trans-1,3-Dichloropropene	<25.	U	1.1	25.	11/11/03
1,1,2-Trichloroethane	<25.	U	1.8	25.	11/11/03
Toluene	410.		1.9	25.	11/11/03
Dibromochloromethane	<25.	U	.90	25.	11/11/03
2-Hexanone	<250.	U	3.9	250.	11/11/03
1,2-Dibromoethane	<25.	U	1.6	25.	11/11/03
Tetrachloroethene	<25.	U	1.6	25.	11/11/03
Chlorobenzene	320.		1.6	25.	11/11/03

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: November 12, 2003

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#: 6690
Sample: B2752
Sample Description: LCW-4
Instrument: HP5973 GCMS#3
Units: ug/L
Number of analytes: 48

Job No.: 3027.333.32301
Certification NY No.: 10155

Collected: 11/03/03
Received: 11/04/03
Prepared: 11/11/03

Matrix: Water
QC Batch: 111103W3
%Solids:
Sample Size: 10 mL
Dilution: 50

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Ethylbenzene	860.		1.0	25.	11/11/03	
Bromoform	<25.	U	1.8	25.	11/11/03	
Xylene (total)	1700.		2.3	25.	11/11/03	
Styrene	<25.	U	.90	25.	11/11/03	
1,1,2,2-Tetrachloroethane	<25.	U	3.2	25.	11/11/03	
Isopropylbenzene	<25.	U	1.0	25.	11/11/03	
1,3-Dichlorobenzene	<25.	U	1.0	25.	11/11/03	
1,4-Dichlorobenzene	J 7.7	J	1.2	25.	11/11/03	
1,2-Dichlorobenzene	80.		2.0	25.	11/11/03	
1,2-Dibromo-3-chloropropane	<50.	U	7.6	50.	11/11/03	
1,2,4-Trichlorobenzene	<50.	U	1.8	50.	11/11/03	
1,1,2-Trichloro-1,2,2-trifluoroethane	<25.	U	1.3	25.	11/11/03	
Methyl acetate	<25.	U	5.8	25.	11/11/03	
Cyclohexane	J 8.6	J	.90	25.	11/11/03	
Methylcyclohexane	<25.	U	1.6	25.	11/11/03	

Surrogate	%R	Qual	%R Limits
Dibromofluoromethane (surrogate)	106		78-125
1,2-Dichloroethane-d4 (surrogate)	112		76-134
Toluene-d8 (surrogate)	95		80-120
Bromofluorobenzene (surrogate)	97		71-120

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: November 12, 2003

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

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8260

nt: O'Brien & Gere Inc. of North America
ject: PAS Site - Oswego, NY
Proj. Desc:
Package#: 6690
Sample: B2753
Sample Description: LR-6
Instrument: HP5973 GCMS#3
Units: ug/L
Number of analytes: 48

Job No.: 3027.333.32301
Certification NY No.: 10155

Collected: 11/03/03
Received: 11/04/03
Prepared: 11/11/03

Matrix: Water
QC Batch: 111103W3
%Solids:
Sample Size: 10 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed Notes
Dichlorodifluoromethane	<1.0	U	.026	1.0	11/11/03
Chloromethane	<1.0	U	.036	1.0	11/11/03
Vinyl chloride	<1.0	U	.023	1.0	11/11/03
Bromomethane	<1.0	U	.037	1.0	11/11/03
Chloroethane	J .27	J	.043	1.0	11/11/03
Trichlorofluoromethane	<1.0	U	.018	1.0	11/11/03
Acetone	<10.	U	.17	10.	11/11/03
1,1-Dichloroethene	<.50	U	.025	.50	11/11/03
Methylene chloride	<2.0	U	.055	2.0	11/11/03
Carbon disulfide	<.50	U	.030	.50	11/11/03
trans-1,2-Dichloroethene	<.50	U	.037	.50	11/11/03
Methyl tert-butyl ether	<.50	U	.019	.50	11/11/03
1,1-Dichloroethane	2.1		.017	.50	11/11/03
-Butanone	<10.	U	.088	10.	11/11/03
s-1,2-Dichloroethene	<.50	U	.021	.50	11/11/03
Chloroform	<.50	U	.015	.50	11/11/03
1,2-Dichloroethane	<.50	U	.029	.50	11/11/03
1,1,1-Trichloroethane	<.50	U	.021	.50	11/11/03
Carbon tetrachloride	<.50	U	.019	.50	11/11/03
Benzene	<.50	U	.032	.50	11/11/03
1,2-Dichloropropane	<.50	U	.037	.50	11/11/03
Trichloroethene	J .18	J	.029	.50	11/11/03
Bromodichloromethane	<.50	U	.013	.50	11/11/03
cis-1,3-Dichloropropene	<.50	U	.016	.50	11/11/03
4-Methyl-2-pentanone	<5.0	U	.32	5.0	11/11/03
trans-1,3-Dichloropropene	<.50	U	.022	.50	11/11/03
1,1,2-Trichloroethane	<.50	U	.035	.50	11/11/03
Toluene	<.50	U	.038	.50	11/11/03
Dibromochloromethane	<.50	U	.018	.50	11/11/03
2-Hexanone	<5.0	U	.078	5.0	11/11/03
1,2-Dibromoethane	<.50	U	.032	.50	11/11/03
Tetrachloroethene	<.50	U	.033	.50	11/11/03
Chlorobenzene	<.50	U	.033	.50	11/11/03

Thomas A Alexander

Authorized: _____
Date: November 12, 2003 Thomas Alexander

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

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#: 6690
Sample: B2753
Sample Description: LR-6
Instrument: HP5973 GCMS#3
Units: ug/L
Number of analytes: 48

Job No.: 3027.333.32301
Certification NY No.: 10155

Collected: 11/03/03
Received: 11/04/03
Prepared: 11/11/03

Matrix: Water
QC Batch: 111103W3
%Solids:
Sample Size: 10 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Ethylbenzene	<.50	U	.020	.50	11/11/03	
Bromoform	<.50	U	.035	.50	11/11/03	
Xylene (total)	J .12	J	.046	.50	11/11/03	
Styrene	<.50	U	.018	.50	11/11/03	
1,1,2,2-Tetrachloroethane	<.50	U	.063	.50	11/11/03	
Isopropylbenzene	<.50	U	.020	.50	11/11/03	
1,3-Dichlorobenzene	<.50	U	.020	.50	11/11/03	
1,4-Dichlorobenzene	<.50	U	.025	.50	11/11/03	
1,2-Dichlorobenzene	<.50	U	.040	.50	11/11/03	
1,2-Dibromo-3-chloropropane	<1.0	U	.15	1.0	11/11/03	
1,2,4-Trichlorobenzene	<1.0	U	.035	1.0	11/11/03	
1,1,2-Trichloro-1,2,2-trifluoroethane	<.50	U	.026	.50	11/11/03	
Methyl acetate	<.50	U	.12	.50	11/11/03	
Cyclohexane	<.50	U	.018	.50	11/11/03	
Methylcyclohexane	<.50	U	.032	.50	11/11/03	

Surrogate	%R	Qual	%R Limits
Dibromofluoromethane (surrogate)	109		78-125
1,2-Dichloroethane-d4 (surrogate)	113		76-134
Toluene-d8 (surrogate)	100		80-120
Bromofluorobenzene (surrogate)	92		71-120

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: November 12, 2003

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#: 6690
Sample: B2754
Sample Description: QC Trip Blank
Instrument: HP5973 GCMS#3
Units: ug/L
Number of analytes: 48

Job No.: 3027.333.32301
Certification NY No.: 10155

Collected: 11/03/03
Received: 11/04/03
Prepared: 11/11/03

Matrix: Water
QC Batch: 111103W3
%Solids:
Sample Size: 10 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed Notes
Dichlorodifluoromethane	<1.0	U	.026	1.0	11/11/03
Chloromethane	<1.0	U	.036	1.0	11/11/03
Vinyl chloride	<1.0	U	.023	1.0	11/11/03
Bromomethane	<1.0	U	.037	1.0	11/11/03
Chloroethane	<1.0	U	.043	1.0	11/11/03
Trichlorofluoromethane	<1.0	U	.018	1.0	11/11/03
Acetone	<10.	U	.17	10.	11/11/03
1,1-Dichloroethene	<.50	U	.025	.50	11/11/03
Methylene chloride	<2.0	U	.055	2.0	11/11/03
Carbon disulfide	<.50	U	.030	.50	11/11/03
trans-1,2-Dichloroethene	<.50	U	.037	.50	11/11/03
Methyl tert-butyl ether	<.50	U	.019	.50	11/11/03
1,1-Dichloroethane	<.50	U	.017	.50	11/11/03
2-Butanone	<10.	U	.088	10.	11/11/03
cis-1,2-Dichloroethene	<.50	U	.021	.50	11/11/03
Chloroform	<.50	U	.015	.50	11/11/03
1,2-Dichloroethane	<.50	U	.029	.50	11/11/03
1,1,1-Trichloroethane	<.50	U	.021	.50	11/11/03
Carbon tetrachloride	<.50	U	.019	.50	11/11/03
Benzene	<.50	U	.032	.50	11/11/03
1,2-Dichloropropane	<.50	U	.037	.50	11/11/03
Trichloroethene	<.50	U	.029	.50	11/11/03
Bromodichloromethane	<.50	U	.013	.50	11/11/03
cis-1,3-Dichloropropene	<.50	U	.016	.50	11/11/03
4-Methyl-2-pentanone	<5.0	U	.32	5.0	11/11/03
trans-1,3-Dichloropropene	<.50	U	.022	.50	11/11/03
1,1,2-Trichloroethane	<.50	U	.035	.50	11/11/03
Toluene	<.50	U	.038	.50	11/11/03
Dibromochloromethane	<.50	U	.018	.50	11/11/03
2-Hexanone	<5.0	U	.078	5.0	11/11/03
1,2-Dibromoethane	<.50	U	.032	.50	11/11/03
Tetrachloroethene	<.50	U	.033	.50	11/11/03
Chlorobenzene	<.50	U	.033	.50	11/11/03

Authorized: Thomas A Alexander
Date: November 12, 2003 Thomas Alexander

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

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#: 6690
Sample: B2754
Sample Description: QC Trip Blank
Instrument: HP5973 GCMS#3
Units: ug/L
Number of analytes: 48

Job No.: 3027.333.32301
Certification NY No.: 10155

Collected: 11/03/03
Received: 11/04/03
Prepared: 11/11/03

Matrix: Water
QC Batch: 111103W3
%Solids:
Sample Size: 10 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Ethylbenzene	<.50	U	.020	.50	11/11/03	
Bromoform	<.50	U	.035	.50	11/11/03	
Xylene (total)	<.50	U	.046	.50	11/11/03	
Styrene	<.50	U	.018	.50	11/11/03	
1,1,2,2-Tetrachloroethane	<.50	U	.063	.50	11/11/03	
Isopropylbenzene	<.50	U	.020	.50	11/11/03	
1,3-Dichlorobenzene	<.50	U	.020	.50	11/11/03	
1,4-Dichlorobenzene	<.50	U	.025	.50	11/11/03	
1,2-Dichlorobenzene	<.50	U	.040	.50	11/11/03	
1,2-Dibromo-3-chloropropane	<1.0	U	.15	1.0	11/11/03	
1,2,4-Trichlorobenzene	<1.0	U	.035	1.0	11/11/03	
1,1,2-Trichloro-1,2,2-trifluoroethane	<.50	U	.026	.50	11/11/03	
Methyl acetate	<.50	U	.12	.50	11/11/03	
Cyclohexane	<.50	U	.018	.50	11/11/03	
Methylcyclohexane	<.50	U	.032	.50	11/11/03	

Surrogate	%R	Qual	%R Limits
Dibromofluoromethane (surrogate)	107		78-125
1,2-Dichloroethane-d4 (surrogate)	114		76-134
Toluene-d8 (surrogate)	100		80-120
Bromofluorobenzene (surrogate)	91		71-120

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: November 12, 2003

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

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.: 3027.333.32301
Certification NY No.: 10155

Package#: 6690
Sample: B2751
Samp. Description: LCW-2

Collected: 11/03/03 15:45
Received: 11/04/03 07:44
Matrix: Water
Number of Analytes: 5

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
BOD 5	22.		mg/L	EPA 405.1		5.0	11/05/03 14:00	110503W20	1	
COD	170.		mg/L	EPA 410.4	12.	20.	11/13/03	111303W12	2	
Total dissolved solids	1800.		mg/L	EPA 160.1		10.	11/05/03	110503W7	1	
Total organic carbon	46.		mg/L	EPA 415.1	.50	1.0	11/24/03	112403W11	1	
Total suspended solids	48.		mg/L	EPA 160.2		5.0	11/10/03	111003W3	1	

Notes:

Package#: 6690
Sample: B2752
Samp. Description: LCW-4

Collected: 11/03/03 16:00
Received: 11/04/03 07:44
Matrix: Water
Number of Analytes: 5

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
BOD 5	71.		mg/L	EPA 405.1		5.0	11/05/03 14:00	110503W20	1	
COD	260.		mg/L	EPA 410.4	12.	20.	11/13/03	111303W12	2	
Total dissolved solids	2000.		mg/L	EPA 160.1		10.	11/05/03	110503W7	1	
Total organic carbon	84.		mg/L	EPA 415.1	.50	1.0	11/24/03	112403W11	1	
Total suspended solids	130.		mg/L	EPA 160.2		5.0	11/10/03	111003W3	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank
U - Undetected at the reported level.
J - Reported value is estimated. D- Result is diluted.
" Concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: November 25, 2003

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

Quality Control Results

GC/MS Volatile Organics Data

O'Brien & Gere Laboratories, Inc.

Quality Control Summary
Matrix Spike/Matrix Spike Duplicate
Method: 8260

Package#: 6690
Sample: B2749
Sample Description: M-21
Units: ug/L
Instrument: HP5973 GCMS#3

Matrix: Water
%Solids:
Number of analytes: 52

Parameter	Dilution	Sample Result	Spike Added	MS Result	%R	MSD Result	%R	%R Limits	RPD	RPD Limits	Note
Dichlorodifluoromethane	1	<1.0	10	8.4208	84	8.3902	84	54-129	0	0-19	
Chloromethane	1	<1.0	10	6.7423	67	6.8914	69	50-133	2	0-23	
Vinyl chloride	1	<1.0	10	7.8494	78	8.1868	82	59-136	4	0-19	
Bromomethane	1	<1.0	10	7.7176	77	7.8362	78	50-150	2	0-21	
Chloroethane	1	3.0	10	11.7982	88	11.9038	89	70-134	1	0-15	
Trichlorofluoromethane	1	<1.0	10	11.1168	111	10.9976	110	73-125	1	0-11	
Acetone	1	<10.	10	J5.2788	53	J4.4305	# 44	50-150	17	0-23	
1,1-Dichloroethene	1	<.50	10	8.8644	89	8.6709	87	67-135	2	0-11	
Methylene chloride	1	<2.0	10	9.1155	91	8.891	89	72-121	2	0-10	
Carbon disulfide	1	<.50	10	8.7186	87	8.9423	89	61-131	3	0-16	
trans-1,2-Dichloroethene	1	<.50	10	9.0891	91	8.9165	89	76-135	2	0-10	
Methyl tert-butyl ether	1	<.50	10	9.5295	95	9.2823	93	74-128	3	0-10	
1,1-Dichloroethane	1	<.50	10	9.0753	91	8.9245	89	79-126	2	0-10	
2-Butanone	1	<10.	10	J5.7528	58	J5.6407	56	50-149	2	0-18	
cis-1,2-Dichloroethene	1	<.50	10	9.3243	93	9.1043	91	76-132	2	0-10	
Chloroform	1	<.50	10	10.6373	106	10.2515	103	70-120	4	0-11	
1,2-Dichloroethane	1	<.50	10	11.2493	112	10.7727	108	76-134	4	0-11	

J-Estimated value #-Outside limits

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

O'Brien & Gere Laboratories, Inc.

Quality Control Summary
Matrix Spike/Matrix Spike Duplicate
Method: 8260

Package#: 6690
Sample: B2749
Sample Description: M-21
Units: ug/L
Instrument: HP5973 GCMS#3

Matrix: Water
%Solids:
Number of analytes: 52

Parameter	Dilution	Sample Result	Spike Added	MS Result	%R	MSD Result	%R	%R Limits	RPD	RPD Limits	Note
1,1,1-Trichloroethane	1	<.50	10	11.1717	112	10.9238	109	75-132	2	0-10	
Carbon tetrachloride	1	<.50	10	10.5654	106	10.6228	106	71-136	1	0-12	
Benzene	1	4.2	10	13.8265	96	13.647	94	80-126	1	0-10	
1,2-Dichloropropane	1	<.50	10	8.5307	85	8.3381	83	80-125	2	0-10	
Trichloroethene	1	<.50	10	10.3811	104	10.2388	102	66-135	1	0-10	
Bromodichloromethane	1	<.50	10	10.3196	103	10.1702	102	80-129	1	0-11	
cis-1,3-Dichloropropene	1	<.50	10	8.8445	88	8.7202	87	74-125	1	0-11	
4-Methyl-2-pentanone	1	<5.0	10	7.8386	78	7.7088	77	50-141	2	0-15	
trans-1,3-Dichloropropene	1	<.50	10	9.7314	97	9.2288	92	68-126	5	0-12	
1,1,2-Trichloroethane	1	<.50	10	9.9132	99	9.5509	96	80-126	4	0-10	
Toluene	1	J .14	10	9.5437	94	9.5029	94	80-126	0	0-11	
Dibromochloromethane	1	<.50	10	10.2464	102	9.7849	98	74-133	5	0-11	
2-Hexanone	1	<5.0	10	6.0935	61	5.9698	60	50-135	2	0-15	
1,2-Dibromoethane	1	<.50	10	9.7894	98	9.7664	98	80-133	0	0-10	
Tetrachloroethene	1	<.50	10	10.7617	108	10.2895	103	72-133	4	0-12	
Chlorobenzene	1	1.8	10	11.6204	98	11.2792	95	78-123	3	0-10	
Ethylbenzene	1	<.50	10	9.4225	94	9.2068	92	80-126	2	0-10	

J-Estimated value #-Outside limits

O'Brien & Gere Laboratories, Inc.

Quality Control Summary
Matrix Spike/Matrix Spike Duplicate
Method: 8260

Package#: 6690
Sample: B2749
Sample Description: M-21
Units: ug/L
Instrument: HP5973 GCMS#3

Matrix: Water
%Solids:
Number of analytes: 52

Parameter	Dilution	Sample Result	Spike Added	MS Result	%R	MSD Result	%R	%R Limits	RPD	RPD Limits	Note
Bromoform	1	<.50	10	9.7144	97	9.3958	94	60-137	3	0-14	
Xylene (total)	1	J .15	30	27.4554	91	26.9221	89	74-135	2	0-11	
Styrene	1	<.50	10	9.1873	92	8.8017	88	63-128	4	0-16	
1,1,2,2-Tetrachloroethane	1	<.50	10	8.6857	87	8.8595	89	71-136	2	0-13	
Isopropylbenzene	1	J .45	10	8.9588	85	9.4221	90	76-124	5	0-12	
1,3-Dichlorobenzene	1	<.50	10	9.5381	95	9.5189	95	80-120	0	0-11	
1,4-Dichlorobenzene	1	J .10	10	9.007	89	9.2887	92	77-120	3	0-11	
1,2-Dichlorobenzene	1	J .19	10	9.5759	94	9.6376	95	80-124	1	0-10	
1,2-Dibromo-3-chloropropane	1	<1.0	10	8.6672	87	8.6193	86	69-132	1	0-16	
1,2,4-Trichlorobenzene	1	<1.0	10	9.0984	91	9.1333	91	67-128	0	0-12	
1,1,2-Trichloro-1,2,2-trifluoroet	1	<.50	10	10.7042	107	10.372	104	66-132	3	0-38	
Methyl acetate	1	<.50	10	7.4125	74	7.1571	72	52-143	4	0-30	
Cyclohexane	1	.54	10	8.9921	85	8.9541	84	80-128	0	0-10	
Methylcyclohexane	1	J .15	10	8.9646	88	8.9799	88	79-126	0	0-10	
Dibromofluoromethane (surrogate)	1	107.%			113		108	78-125			
1,2-Dichloroethane-d4 (surrogate	1	116.%			118		114	76-134			
Toluene-d8 (surrogate)	1	99.%			99		100	80-120			

J-Estimated value #-Outside limits

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O'Brien & Gere Laboratories, Inc.

Quality Control Summary
Matrix Spike/Matrix Spike Duplicate
Method: 8260

Package#: 6690
Sample: B2749
Sample Description: M-21
Units: ug/L
Instrument: HP5973 GCMS#3

Matrix: Water
%Solids:
Number of analytes: 52

Parameter	Dilution	Sample Result	Spike Added	MS Result	%R	MSD Result	%R	%R Limits	RPD	RPD Limits	Note
Bromofluorobenzene (surrogate)	1	92.%			101		98	71-120			

Notes:

J-Estimated value #-Outside limits

O'Brien & Gere Laboratories, Inc.

Quality Control Summary
Laboratory Control Sample
GC/MS Volatile Organics

Package#: 6690
Sample: L111103W3
Analyzed: 11/11/03

QC Batch: 111103W3
Instrument: HP5973 GCMS#3
Number of analytes: 48

Parameter	LCS Result	Spike Added	Units	%R	%R Limits	Note
Dichlorodifluoromethane	8.6551	10	ug/L	87	57-133	
Chloromethane	7.4329	10	ug/L	74	59-129	
Vinyl chloride	8.4258	10	ug/L	84	66-135	
Bromomethane	9.8878	10	ug/L	99	50-149	
Chloroethane	8.8834	10	ug/L	89	73-129	
Trichlorofluoromethane	11.1461	10	ug/L	111	68-135	
Acetone	13.1306	10	ug/L	131	50-150	
1,1-Dichloroethene	8.6616	10	ug/L	87	78-126	
Methylene chloride	9.3074	10	ug/L	93	77-116	
Carbon disulfide	8.7697	10	ug/L	88	71-123	
trans-1,2-Dichloroethene	9.2092	10	ug/L	92	83-129	
Methyl tert-butyl ether	9.7590	10	ug/L	98	81-120	
1,1-Dichloroethane	9.1392	10	ug/L	91	82-122	
2-Butanone	11.4048	10	ug/L	114	57-150	
cis-1,2-Dichloroethene	9.3329	10	ug/L	93	82-124	
Chloroform	10.7066	10	ug/L	107	78-115	
1,2-Dichloroethane	11.3007	10	ug/L	113	79-131	
1,1,1-Trichloroethane	11.0504	10	ug/L	111	80-130	
Carbon tetrachloride	10.5602	10	ug/L	106	77-134	
Benzene	9.2385	10	ug/L	92	85-121	
1,2-Dichloropropane	8.4903	10	ug/L	85	85-122	
Trichloroethene	10.5669	10	ug/L	106	85-124	
Bromodichloromethane	10.5273	10	ug/L	105	84-129	
cis-1,3-Dichloropropene	9.0027	10	ug/L	90	81-122	
4-Methyl-2-pentanone	8.7335	10	ug/L	87	53-150	
trans-1,3-Dichloropropene	9.5690	10	ug/L	96	74-123	
1,1,2-Trichloroethane	9.7359	10	ug/L	97	85-122	
Toluene	9.4577	10	ug/L	95	85-124	
Dibromochloromethane	10.3814	10	ug/L	104	79-130	
2-Hexanone	11.4562	10	ug/L	115	62-147	
1,2-Dibromoethane	9.9998	10	ug/L	100	85-127	
Tetrachloroethene	10.8216	10	ug/L	108	83-127	
Chlorobenzene	9.8506	10	ug/L	99	85-115	
Ethylbenzene	9.4566	10	ug/L	95	85-123	
Bromoform	9.9334	10	ug/L	99	71-128	
Xylene (total)	27.6167	30	ug/L	92	85-125	
Styrene	9.2436	10	ug/L	92	75-121	
1,1,2,2-Tetrachloroethane	8.5008	10	ug/L	85	73-127	
Isopropylbenzene	8.5060	10	ug/L	85	79-126	
1,3-Dichlorobenzene	9.5604	10	ug/L	96	85-118	
1,4-Dichlorobenzene	9.1247	10	ug/L	91	84-115	
1,2-Dichlorobenzene	9.4358	10	ug/L	94	85-119	

- Outside control limits

O'Brien & Gere Laboratories, Inc.

Quality Control Summary Laboratory Control Sample GC/MS Volatile Organics

Package#: 6690
Sample: L111103W3
Analyzed: 11/11/03

QC Batch: 111103W3
Instrument: HP5973 GCMS#3
Number of analytes: 48

Parameter	LCS Result	Spike Added	Units	%R	%R Limits	Note
1,2-Dibromo-3-chloropropane	8.6773	10	ug/L	87	73-124	
1,2,4-Trichlorobenzene	9.3792	10	ug/L	94	70-124	
1,1,2-Trichloro-1,2,2-trifluoroethane	10.6295	10	ug/L	106	76-128	
Methyl acetate	7.9471	10	ug/L	79	61-137	
Cyclohexane	8.2796	10	ug/L	83	78-132	
Methylcyclohexane	8.8776	10	ug/L	89	81-125	

Surrogate	%R	Qual	%R Limits
Dibromofluoromethane (surrogate)	111		78-125
1,2-Dichloroethane-d4 (surrogate)	119		76-134
Toluene-d8 (surrogate)	98		80-120
Bromofluorobenzene (surrogate)	99		71-120

Notes:

- Outside control limits

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O'Brien & Gere Laboratories, Inc.

Quality Control Summary
Preparation Blank
GC/MS Volatile Organics

Package#: 6690
Sample: PB111103W3
Analyzed: 11/11/03

QC Batch: 111103W3
Instrument: HP5973 GCMS#3
Number of analytes: 48

Parameter	Sample Result	Q	PQL	Units	Note
Dichlorodifluoromethane	<1.0	U	1.0	ug/L	
Chloromethane	<1.0	U	1.0	ug/L	
Vinyl chloride	<1.0	U	1.0	ug/L	
Bromomethane	<1.0	U	1.0	ug/L	
Chloroethane	<1.0	U	1.0	ug/L	
Trichlorofluoromethane	<1.0	U	1.0	ug/L	
Acetone	<10.	U	10.	ug/L	
1,1-Dichloroethene	<.50	U	.50	ug/L	
Methylene chloride	<2.0	U	2.0	ug/L	
Carbon disulfide	<.50	U	.50	ug/L	
trans-1,2-Dichloroethene	<.50	U	.50	ug/L	
Methyl tert-butyl ether	<.50	U	.50	ug/L	
1,1-Dichloroethane	<.50	U	.50	ug/L	
2-Butanone	<10.	U	10.	ug/L	
cis-1,2-Dichloroethene	<.50	U	.50	ug/L	
Chloroform	<.50	U	.50	ug/L	
1,2-Dichloroethane	<.50	U	.50	ug/L	
1,1,1-Trichloroethane	<.50	U	.50	ug/L	
Carbon tetrachloride	<.50	U	.50	ug/L	
Benzene	<.50	U	.50	ug/L	
1,2-Dichloropropane	<.50	U	.50	ug/L	
Trichloroethene	<.50	U	.50	ug/L	
Bromodichloromethane	<.50	U	.50	ug/L	
cis-1,3-Dichloropropene	<.50	U	.50	ug/L	
4-Methyl-2-pentanone	<5.0	U	5.0	ug/L	
trans-1,3-Dichloropropene	<.50	U	.50	ug/L	
1,1,2-Trichloroethane	<.50	U	.50	ug/L	
Toluene	<.50	U	.50	ug/L	
Dibromochloromethane	<.50	U	.50	ug/L	
2-Hexanone	<5.0	U	5.0	ug/L	
1,2-Dibromoethane	<.50	U	.50	ug/L	
Tetrachloroethene	<.50	U	.50	ug/L	
Chlorobenzene	<.50	U	.50	ug/L	
Ethylbenzene	<.50	U	.50	ug/L	
Bromoform	<.50	U	.50	ug/L	
Xylene (total)	<.50	U	.50	ug/L	
Styrene	<.50	U	.50	ug/L	
1,1,2,2-Tetrachloroethane	<.50	U	.50	ug/L	
Isopropylbenzene	<.50	U	.50	ug/L	
1,3-Dichlorobenzene	<.50	U	.50	ug/L	
1,4-Dichlorobenzene	<.50	U	.50	ug/L	
1,2-Dichlorobenzene	<.50	U	.50	ug/L	

- Outside control limits. J - Estimated value. U - Undetected at the reported level.

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O'Brien & Gere Laboratories, Inc.

Quality Control Summary
Preparation Blank
GC/MS Volatile Organics

Package#: 6690
Sample: PB111103W3
Analyzed: 11/11/03

QC Batch: 111103W3
Instrument: HP5973 GCMS#3
Number of analytes: 48

Parameter	Result	Q	PQL	Units	Note
1,2-Dibromo-3-chloropropane	<1.0	U	1.0	ug/L	
1,2,4-Trichlorobenzene	<1.0	U	1.0	ug/L	
1,1,2-Trichloro-1,2,2-trifluoroethane	<.50	U	.50	ug/L	
Methyl acetate	<.50	U	.50	ug/L	
Cyclohexane	<.50	U	.50	ug/L	
Methylcyclohexane	<.50	U	.50	ug/L	

Surrogate	%R	Qual	%R Limits
Dibromofluoromethane (surrogate)	104		78-125
1,2-Dichloroethane-d4 (surrogate)	109		76-134
Toluene-d8 (surrogate)	104		80-120
Bromofluorobenzene (surrogate)	89		71-120

Notes:

- Outside control limits. J - Estimated value. U - Undetected at the reported level.

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O'BRIEN & GERE
Laboratories, Inc.

Volatile Organics
Method 8260

Internal Standard Summary

Client:	OGINA	**CCC Data File:**	J9906.D	**Inst. I.D.:**	MS#3
Job No.:	3027.333.32301	**Date Analyzed:**	11/11/03	**Matrix:**	Water
Site:	PAS Site				

		ISTD 1			ISTD 2			ISTD 3		
		Area	Q	R.T.	Area	Q	R.T.	Area	Q	R.T.
J9906.D	CCC	2086020		11.39	607425		16.34	418911		20.42
Upper Limit		4172040		11.89	1214850		16.84	837822		20.92
Lower Limit		1043010		10.89	303713		15.84	209456		19.92
Data File	Sample No.									
J9907.D	L111103W3	2121502		11.40	621113		16.34	405475		20.42
J9909.D	PB111103W3	2433749		11.40	750098		16.34	406706		20.42
J9915.D	B2746	2318197		11.40	702891		16.34	392648		20.42
J9916.D	B2747	2309976		11.40	701673		16.34	399849		20.42
J9917.D	B2748	2340280		11.40	706293		16.34	433652		20.42
J9918.D	B2749	2366036		11.40	724423		16.33	426417		20.42
J9919.D	B2749MS	2193492		11.40	644225		16.34	429170		20.42
J9920.D	B2749MSD	2315378		11.40	695943		16.34	432939		20.42
J9921.D	B2750	2401366		11.40	732236		16.34	435729		20.42
J9922.D	B2751 10X	2377033		11.40	716253		16.34	446275		20.42
J9923.D	B2752 50X	2398531		11.40	692037		16.34	442777		20.42
J9924.D	B2753	2396665		11.40	736076		16.34	421146		20.42
J9925.D	B2754	2375738		11.40	716324		16.34	406863		20.42

ISTD 1 Fluorobenzene
ISTD 2 Chlorobenzene-d5
ISTD 3 1,4-Dichlorobenzene-d4

Q Column to be used to flag values outside QC limit with an asterisk.
* Value outside of required QC limits.

j9906.xls

Wet Chemistry Data

Wet Chemistry Quality Control Summary:
Initial and Continuing Calibration Summary
20-NOV-03

Cal. Sample	Parameter	Reporting Limit	Result	Units	True	%R	#	Date	By
ICV	COD	10	76.2398	MG/L	75	102		11/13/03	A K
ICB	COD	10	<10	MG/L				11/13/03	A K
CCV1	COD	10	76.2398	MG/L	75	102		11/13/03	A K
CCB1	COD	10	<10	MG/L				11/13/03	A K
CCV2	COD	10	76.2398	MG/L	75	102		11/13/03	A K
CCB2	COD	10	<10	MG/L				11/13/03	A K

#-Outside control limits (90-110%)

Wet Chemistry Quality Control Summary:
Initial and Continuing Calibration Summary
25-NOV-03

Cal. Sample	Parameter	Reporting Limit	Result	Units	True	%R	#	Date	By
ICV	Total organic carbon	1	50.5	MG/L	50	101		11/24/03	A K
ICB	Total organic carbon	1	<1	MG/L				11/24/03	A K
CCV1	Total organic carbon	1	49.9	MG/L	50	100		11/24/03	A K
CCB1	Total organic carbon	1	<1	MG/L				11/24/03	A K
CCV2	Total organic carbon	1	50.2	MG/L	50	100		11/24/03	A K
CCB2	Total organic carbon	1	<1	MG/L				11/24/03	A K
CCV3	Total organic carbon	1	49.9	MG/L	50	100		11/24/03	A K
CCB3	Total organic carbon	1	<1	MG/L				11/24/03	A K
CCV4	Total organic carbon	1	48.6	MG/L	50	97		11/24/03	A K
CCB4	Total organic carbon	1	<1	MG/L				11/24/03	A K
CCV5	Total organic carbon	1	52	MG/L	50	104		11/24/03	A K
CCB5	Total organic carbon	1	<1	MG/L				11/24/03	A K
CCV6	Total organic carbon	1	49.1	MG/L	50	98		11/24/03	A K
CCB6	Total organic carbon	1	<1	MG/L				11/24/03	A K
CCV7	Total organic carbon	1	48.7	MG/L	50	97		11/24/03	A K
CCB7	Total organic carbon	1	<1	MG/L				11/24/03	A K
CCV8	Total organic carbon	1	49	MG/L	50	98		11/24/03	A K
CCB8	Total organic carbon	1	<1	MG/L				11/24/03	A K
CCV9	Total organic carbon	1	48.9	MG/L	50	98		11/24/03	A K
CCB9	Total organic carbon	1	<1	MG/L				11/24/03	A K

#-Outside control limits (90-110%)

O'Brien & Gere Laboratories, Inc.

Quality Control Summary
Preparation Blank
Wet Chemistry

Package#: 6690
Sample: PB111303W12
Analyzed: 11/13/03

QC Batch: 111303W12
Instrument: GENESYS 20
Number of analytes: 1

Parameter	Sample Result	Q	PQL	Units	Note
COD	<10.	U	10.	mg/L	

Notes:

J - Estimated value. U - Undetected at the reported level.

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O'Brien & Gere Laboratories, Inc.

Quality Control Summary
Preparation Blank
Wet Chemistry

Package#: 6690
Sample: PB110503W7
Analyzed: 11/05/03

QC Batch: 110503W7
Instrument: METTLER
Number of analytes: 1

Parameter	Sample Result	Q	PQL	Units	Note
Total dissolved solids	<10.	U	10.	mg/L	

Notes:

J - Estimated value. U - Undetected at the reported level.

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O'Brien & Gere Laboratories, Inc.

Quality Control Summary
Preparation Blank
Wet Chemistry

Package#: 6690
Sample: PB112403W11
Analyzed: 11/24/03

QC Batch: 112403W11
Instrument: DC190
Number of analytes: 1

Parameter	Sample Result	Q	PQL	Units	Note
Total organic carbon	<1.0	U	1.0	mg/L	

Notes:

J - Estimated value. U - Undetected at the reported level.

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O'Brien & Gere Laboratories, Inc.

Quality Control Summary
Preparation Blank
Wet Chemistry

Package#: 6690
Sample: PB111003W3
Analyzed: 11/10/03

QC Batch: 111003W3
Instrument: METTLER
Number of analytes: 1

Parameter	Sample Result	Q	PQL	Units	Note
Total suspended solids	<5.0	U	5.0	mg/L	

Notes:

J - Estimated value. U - Undetected at the reported level.

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O'Brien & Gere Laboratories, Inc.
Wet Chemistry

Quality Control Summary
Matrix Spike/Matrix Spike Duplicate

Package#: 6690
Sample: B2751
Sample Description: LCW-2

Matrix: Water
Number of analytes: 2

Parameter	Sample Result	Spike Added	MS Result	%R	MSD Result	%R	%R Limits	RPD	RPD Limits	Units	Method	Note
COD	170.	75.000	237.1000	95	241.5000	101	60-140	2	0-10	mg/L	EPA 410.4	
Total organic carbon	46.	20.000	66.0000	100	65.7000	99	65-138	0	0-21	mg/L	EPA 415.1	

Notes:

J-Estimated value #-Outside limits

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O'Brien & Gere Laboratories, Inc.
Wet Chemistry

Quality Control Summary
Duplicate

Package#: 6690
Sample: B2751
Sample Description: LCW-2

Matrix: Water
Number of analytes: 4

Parameter	Sample Result	Dup Result	RPD	RPD Limits	Units	Method	Note
COD	170.	161.4	3	0 - 10	mg/L	EPA 410.4	
Total dissolved solids	1800.	1752	2	0 - 10	mg/L	EPA 160.1	
Total organic carbon	46.	45.5	1	0 - 21	mg/L	EPA 415.1	
Total suspended solids	48.	48	0	0 - 14	mg/L	EPA 160.2	

Notes:

J-Estimated value #-Outside limits

O'Brien & Gere Laboratories, Inc. Wet Chemistry

Quality Control Summary Duplicate

Package#: 6690
Sample: B2752
Sample Description: LCW-4

Matrix: Water
Number of analytes: 1

Parameter	Sample Result	Dup Result	RPD	RPD Limits	Units	Method	Note
BOD 5	71.	70.95	0	0 - 24	mg/L	EPA 405.1	

Notes:

J-Estimated value #-Outside limits

O'Brien & Gere Laboratories, Inc.

Quality Control Summary Laboratory Control Sample Wet Chemistry

Package#: 6690
Sample: L110503W20
Analyzed: 11/05/03

QC Batch: 110503W20
Instrument: DO METER
Number of analytes: 1

Parameter	LCS Result	Spike Added	Units	%R	%R Limits	Note
BOD 5	181.1	198	mg/L	91	85-115	

Notes:

- Outside control limits

O'Brien & Gere Laboratories, Inc.

Quality Control Summary Laboratory Control Sample Wet Chemistry

Package#: 6690
Sample: L111303W12
Analyzed: 11/13/03

QC Batch: 111303W12
Instrument: GENESYS 20
Number of analytes: 1

Parameter	LCS Result	Spike Added	Units	%R	%R Limits	Note
COD	76.24	75	mg/L	102	90-115	

Notes:

- Outside control limits

O'Brien & Gere Laboratories, Inc.

Quality Control Summary Laboratory Control Sample Wet Chemistry

Package#: 6690
Sample: L110503W7
Analyzed: 11/05/03

QC Batch: 110503W7
Instrument: METTLER
Number of analytes: 1

Parameter	LCS Result	Spike Added	Units	%R	%R Limits	Note
Total dissolved solids	492	500	mg/L	98	88-110	

Notes:

- Outside control limits

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O'Brien & Gere Laboratories, Inc.

Quality Control Summary Laboratory Control Sample Wet Chemistry

Package#: 6690
Sample: L112403W11
Analyzed: 11/24/03

QC Batch: 112403W11
Instrument: DC190
Number of analytes: 1

Parameter	LCS Result	Spike Added	Units	%R	%R Limits	Note
Total organic carbon	50.2	50	mg/L	100	86-110	

Notes:

- Outside control limits

O'Brien & Gere Laboratories, Inc.

Quality Control Summary Laboratory Control Sample Wet Chemistry

Package#: 6690
Sample: L111003W3
Analyzed: 11/10/03

QC Batch: 111003W3
Instrument: METTLER
Number of analytes: 1

Parameter	LCS Result	Spike Added	Units	%R	%R Limits	Note
Total suspended solids	496	500	mg/L	99	89-110	

Notes:

- Outside control limits

Data Validation Services

120 Cobble Creek Road P. O. Box 208
North Creek, N. Y. 12853
Phone 518-251-4429
Facsimile 518-251-4428

December 23, 2003

Anthony Geiss
O'Brien & Gere Inc.of North America
5000 Brittonfield Parkway
Syracuse, NY 13221

RE: Validation of PAS Site Data Packages
OBG Laboratory report 6690

Dear Mr. Geiss:

Review has been completed for the data package generated by OBG Laboratories that pertains to aqueous samples collected 11/03/03 at the Pollution Abatement Services Site. Five aqueous samples were analyzed for TCL volatiles by USEPA SW846 method 8260B. Matrix spikes/duplicates, and equipment and trip blanks were also processed. Validation was not required for data of two leachate samples reported within the data package.

Data validation was performed with guidance from the most current editions of the USEPA Region II SOP HW-6 and the USEPA CLP National Functional Guidelines for Organic Data Review, with consideration for method and QAPP requirements. The following items were reviewed:

* Data Completeness
* Custody Documentation
* Holding Times
* Surrogate and Internal Standard Recoveries
* Matrix Spike Recoveries/Duplicate Correlations
* Preparation/Calibration Blanks
* Control Spike/Laboratory Control Samples
* Instrumental Tunes
* Calibration Standards
* Instrument IDLs
* Method Compliance
* Sample Result Verification

Those items showing deficiencies are discussed in the following sections of this report. All others were found to be acceptable as outlined in the above-mentioned validation procedures, and as applicable for the methodology. Unless noted specifically in the following text, reported results are substantiated by the raw data, and generated in compliance with protocol requirements.

In summary, sample processing was primarily conducted with compliance to protocol requirements and with adherence to quality criteria, and most reported results are usable as reported, without qualification. Copies of laboratory report forms are attached, with edits applied in red ink. Also attached is a copy of the laboratory case narrative.

Volatile Analyses by EPA 8260B

Holding times, surrogate and internal standard recoveries, and instrumental tunes meet protocol/ QAPP requirements. The rinse blank, trip blank, and method blanks show no contamination.

Calibration standard responses are within validation guidelines.

Matrix spikes of M-21 evaluate all target analytes, and all recoveries and duplicate correlation values are acceptable, with the exception of one of the acetone recoveries, which was low at 44% (below the recommended 50% limit). The second acetone recovery was acceptable, and no qualification to data is made. Associated Laboratory Control Sample recoveries are also acceptable.

Processing was compliant, and results are substantiated by the raw data.

The reporting limits for nondetected results for the samples should be derived from the "PQL" column on the report page, not the "MDL" column.

Please do not hesitate to contact me if questions or comments arise during your review of this report.

Very truly yours,

Judy Harry

CROSS REFERENCE TABLE

Site	Sample Number	Date Collected	Date Time	Received	Package
QUIPMENT RINSE BLANK(Equipment lank)	B2746	11/03/2003	10:00	11/04/2003	6690
-26	B2747	11/03/2003	10:30	11/04/2003	6690
R-8	B2748	11/03/2003	13:00	11/04/2003	6690
I-21	B2749 MS	11/03/2003	14:00	11/04/2003	6690
I-21	B2749 MSD	11/03/2003	14:00	11/04/2003	6690
I-21	B2749	11/03/2003	14:00	11/04/2003	6690
I-25	B2750	11/03/2003	15:00	11/04/2003	6690
CW-2	B2751 D	11/03/2003	15:45	11/04/2003	6690
CW-2	B2751 MS	11/03/2003	15:45	11/04/2003	6690
CW-2	B2751	11/03/2003	15:45	11/04/2003	6690
CW-4	B2752	11/03/2003	16:00	11/04/2003	6690
LR-6	B2753	11/03/2003	16:00	11/04/2003	6690
QC Trip Blank	B2754	11/03/2003		11/04/2003	6690

Project Management Case Narrative

INTRODUCTION/ANALYTICAL RESULTS

This report summarizes the laboratory results for O'Brien & Gere Inc. of North America samples from the PAS site located in Oswego, NY. Samples were delivered to O'Brien & Gere Laboratories, Inc. in Syracuse, NY for analysis. Immediately following the narrative is the Cross Reference Table that lists the site descriptions, sample numbers, date(s) collected, date(s) received, package number(s).

CONDITION UPON RECEIPT/CHAIN OF CUSTODY

The cooler(s) were received intact. When the cooler(s) were received by the laboratory, the sample custodian(s) opened and inspected the shipment(s) for damage, custody inconsistencies and proper preservation. Chains of custody documenting receipt are presented in the chain of custody section. Each sample was assigned a unique laboratory number and a custody file created. The samples were placed in a secured walk-in cooler and signed in and out by the chemists performing the tests. The sign out record, or lab chronicle, is presented in the chain of custody section.

No discrepancies were noted upon receipt. The hand-delivered cooler temperature was 2.6°C.

METHODOLOGY

The following methods were used to perform the analyses:

PARAMETER	METHOD	REFERENCE
Volatile Organics	8260B	1
Biochemical Oxygen Demand	405.1	2
Chemical Oxygen Demand	410.4	2
Total Dissolved Solids	160.1	2
Total Organic Carbon	415.1	2
Total Suspended Solids	160.2	2

1) Test Methods for Evaluating Solid Wastes, SW-846 Third Edition, Final Update III, December 1996.

2) Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, 1983.

QUALITY CONTROL

QA/QC results are summarized in the Sample Data Package and are also included in the raw data.

RAW DATA

The raw data is organized in a format similar to the US EPA Contract Laboratory Program order of data requirements.

GC/MS Volatile Organics Case Narrative

Client: O'Brien & Gere Inc. of North America
Job Number: 3027.333.32301
Package #: 6690
Methodology: 8260B

Analyzed/Reviewed by (Initials/Date): 11/24/03

Supervisor/Reviewed by (Initials/Date): 11-25-03

QA/QC Review (Initials/Date):

File Name: C:\Documents WS2\narratives\6690vnar.doc

GC/MS Volatile Organics

The GC/MS Volatile instruments used a Restek Rtx-VMS, 40 m x 0.18 mm ID capillary column and a Vocarb 3000 trap.

Holding Times and Sample Preservation

All samples were prepared and analyzed within the method and/or QAPP specified holding time requirements. Samples had a pH of < 2.

Laboratory Control Sample

All spike recoveries met method and/or project specific QC criteria.

MS/MSD/MSB

The following compound(s) did not meet matrix spike/matrix spike duplicate percent recovery and/or RPD criteria:

Sample Description	Sample #	Compound	% REC	RPD	Corrective Action
M-21	B2749	Acetone	X		1

1 The recovery for this compound in the associated LCS and/or duplicate LCS was within acceptance limits. No corrective action was taken.

Surrogate Standards

All surrogate standard recoveries met method and/or project specific QC criteria.

Internal Standards

All internal standard areas met method and/or project specific QC criteria.

Calibrations

All initial calibrations and calibration verifications met method and/or project specific QC criteria.

Preparation Blanks

All preparation blanks met method and/or project specific QC criteria.

ANNUAL PROGRESS REPORT - 1st Quarter 2004
Operation, Maintenance and Long-term Monitoring Activities

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

PERIOD COVERED: JANUARY - MARCH 2004

ACTIONS COMPLETED DURING QUARTER:

- 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 30,434 gallons of leachate was removed during the period January through March of 2004. 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.

- Routine ground water elevation monitoring was performed on January 5 and 19, February 2, and 16, March 1 and 15, 2004.

- On February 2, 2004, 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 more than 1.5 feet per foot. Therefore leachate removal activities were conducted at LCW locations (not including LCW-4) during the period January though March 2004, in accordance with the November 15, 1999 leachate removal protocol.

- Site maintenance activities were conducted on January 19, February 16, and March 15, 2004, 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.

- Continued to work cooperatively with USEPA in the development of the Institutional Control Plan.

RESULTS OF FIELD ACTIVITIES:

- Ground-water elevation data collected on January 5 and 19, February 2, and 16, March 1 and 15, 2004 are attached. (See Attachment C-1)

- The routine leachate disposal and site inspection checklists are attached (See Attachment C-2)

DOCUMENTATION OF REMOVAL ACTIVITIES DURING QUARTER:

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

JANUARY 2004

January 7, 2004

Manifest #	Amount (gal)	Date Removed
NYG2786526	4,994	1/7/04
NYG2786517	4,968	1/7/04

January 2004 Total = 9,962 gallons

FEBRUARY 2004

February 16, 2004

Manifest #	Amount (gal)	Date Removed
NYG2786535	5,231	2/16/04
NYG2786544	4,668	2/16/04

February 2004 Total = 9,899 gallons

MARCH 2004

March 3, 2004

Manifest #	Amount (gal)	Date Removed
NYG2786553	5,210	3/3/04
NYG22786562	5,363	3/3/04

March 2004 Total = 10,573 gallons

- **CUMULATIVE REMOVAL QUANTITIES**

Cumulative gallons removed during quarter under OMM Plan - *January through March 2004* **30,434**

- **LEACHATE DISPOSAL DOCUMENTATION**

January 7, 2004

BFI/CECOS Work Order Number	Manifest #	Date Disposed
286336	NYG2786526	1/7/04
286335	NYG2786517	1/7/04

February 16, 2004

BFI/CECOS Work Order Number	Manifest #	Date Disposed
286405	NYG2786535	2/16/04
286406	NYG2786544	2/16/04

March 3, 2004

BFI/CECOS Work Order Number	Manifest #	Date Disposed
286421	NYG2786553	3/3/04
286422	NYG2786562	3/3/04

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.

ATTACHMENT C-1

GROUND-WATER ELEVATION DATA

Pre-Pumping Monitoring Well Levels

01/05/2004
08:00 AM

Well Number	Ground Elevation	Riser Elevation	DTW During Previous Event	Reading	Reading	Acceptable Range for DTW	Within Range? Yes	Within Range? No	Ground-Water Elevation	Reading 3
SWW1	286.20	289.33	8.73	8.26	8.26	10.08 to 11.38		x	281.07	8.26
SWW2	286.30	289.37	15.86	15.52	15.52	15.15 to 17.12	x		273.85	
SWW3	286.00	286.50	16.82	16.60	16.60	16.26 to 17.88	x		269.90	
SWW4	282.90	283.60	13.90	13.48	13.48	16.05 to 17.47		x	270.12	13.48
SWW5	275.90	277.02	13.25	12.75	12.75	13.06 to 14.40		x	264.27	12.75
SWW6	270.90	273.06	8.40	8.18	8.18	9.10 to 10.36		x	264.88	8.18
SWW7	273.30	277.93	8.28	7.88	7.88	7.80 to 9.72	x		270.05	
SWW8	275.70	278.24	4.22	4.05	4.05	6.65 to 10.31		x	274.19	4.05
SWW9	283.30	285.55	17.68	17.08	17.08	16.95 to 19.74	x		268.47	
SWW10	279.30	280.43	10.15	9.90	9.90	14.34 to 17.94		x	270.53	9.90
SWW11	271.00	273.50	9.54	9.02	9.02	9.12 to 10.88		x	264.48	9.02
SWW12	270.20	272.82	8.85	8.61	8.61	12.95 to 16.00		x	264.21	8.61
LCW-1	271.40	272.21	9.06	8.30	8.30	8.40 to 9.82		x	263.91	8.30
LCW-2	272.60	274.44	11.33	10.55	10.55	10.64 to 12.07		x	263.89	10.55
LCW-3	283.30	284.36	18.21	18.22	18.22	17.98 to 19.35	x		266.14	
LCW-4	283.80	285.70	18.28	17.76	17.76	16.22 to 18.20	x		267.94	

Pre-Pumping Monitoring Well Levels

01/19/2004

08:00 AM

Well Number	Ground Elevation	Riser Elevation	DTW During Previous Event	Reading	Reading	Acceptable Range for DTW	Within Range? Yes	Within Range? No	Ground-Water Elevation	Reading 3
SWW1	286.20	289.33	8.73	9.06	9.06	10.08 to 11.38		x	280.27	9.06
SWW2	286.30	289.37	15.86	15.60	15.60	15.15 to 17.12	x		273.77	
SWW3	286.00	286.50	16.82	16.80	16.80	16.26 to 17.88	x		269.70	
SWW4	282.90	283.60	13.90	15.05	15.05	16.05 to 17.47		x	268.55	15.05
SWW5	275.90	277.02	13.25	13.11	13.11	13.06 to 14.40	x		263.91	
SWW6	270.90	273.06	8.40	8.90	8.90	9.10 to 10.36		x	264.16	8.90
SWW7	273.30	277.93	8.28	8.06	8.06	7.80 to 9.72	x		269.87	
SWW8	275.70	278.24	4.22	4.32	4.32	6.65 to 10.31		x	273.92	4.32
SWW9	283.30	285.55	17.68	17.42	17.42	16.95 to 19.74	x		268.13	
SWW10	279.30	280.43	10.15	11.48	11.48	14.34 to 17.94		x	268.95	11.48
SWW11	271.00	273.50	9.54	9.22	9.22	9.12 to 10.88	x		264.28	
SWW12	270.20	272.82	8.85	9.10	9.10	12.95 to 16.00		x	263.72	9.10
LCW-1	271.40	272.21	9.06	8.63	8.63	8.40 to 9.82	x		263.58	
LCW-2	272.60	274.44	11.33	10.88	10.88	10.64 to 12.07	x		263.56	
LCW-3	283.30	284.36	18.21	18.22	18.22	17.98 to 19.35	x		266.14	
LCW-4	283.80	285.70	18.28	18.15	18.15	16.22 to 18.20	x		267.55	

OBG Inc. of North America
PAS Site
Oswego, New York
Pre-Pumping Monitoring Well Levels
02/02/2004

Well Number	Ground Elevation	Riser Elevation	DTW During Previous Event	Reading	Reading	Acceptable Range for DTW	Within Range? Yes	Within Range? No	Ground-Water Elevation	Reading 3
SWW1	286.20	289.33	9.06	9.65	9.65	7.76 to 10.30	x		279.68	
SWW2	286.30	289.37	15.60	15.84	15.84	15.02 to 17.00	x		273.53	
SWW3	286.00	286.50	16.80	17.00	17.00	16.10 to 17.75	x		269.50	
SWW4	282.90	283.60	15.05	15.58	15.58	12.98 to 15.55		x	268.02	15.58
SWW5	275.90	277.02	13.11	13.22	13.22	12.25 to 14.24	x		263.80	
SWW6	270.90	273.06	8.90	8.90	8.90	7.68 to 9.40	x		264.16	
SWW7	273.30	277.93	8.06	8.30	8.30	7.38 to 9.18	x		269.63	
SWW8	275.70	278.24	4.32	4.30	4.30	3.55 to 5.75	x		273.94	
SWW9	283.30	285.55	17.42	17.12	17.12	16.58 to 19.18	x		268.43	
SWW10	279.30	280.43	11.48	12.40	12.40	9.40 to 12.18		x	268.03	12.40
SWW11	271.00	273.50	9.22	9.16	9.16	8.52 to 10.50	x		264.34	
SWW12	270.20	272.82	9.10	9.20	9.20	8.11 to 12.80	x		263.62	
LCW-1	271.40	272.21	8.63	8.23	8.23	7.80 to 9.90	x		263.98	
LCW-2	272.60	274.44	10.88	10.45	10.45	10.05 to 12.12	x		263.99	
LCW-3	283.30	284.36	18.22	18.45	18.45	17.72 to 19.30	x		265.91	
LCW-4	283.80	285.70	18.15	17.88	17.88	17.02 to 18.68	x		267.82	
LR-2	287.50	289.85	14.50	14.11	14.11	13.42 to 15.72	x		275.74	
LR-3	275.50	278.06	9.17	8.68	8.68	8.20 to 10.84	x		269.38	
LR-6	270.90	274.39	11.08	10.82	10.82	10.30 to 12.44	x		263.57	
LR-8	270.00	273.42	11.50	11.00	11.00	10.21 to 12.48	x		262.42	
M-21	270.28	272.32	11.12	10.44	10.44	9.64 to 11.84	x		261.88	
M-22	270.40	273.88	11.00	10.51	10.51	10.00 to 12.12	x		263.37	
M-23	267.98	270.49	12.35	12.23	12.23	11.70 to 13.72	x		258.26	
M-24	276.49	277.94	15.80	15.58	15.58	14.72 to 16.90	x		262.36	
M-25	264.56	265.84	7.55	7.35	7.35	6.85 to 8.86	x		258.49	
M-26	271.85	273.38	10.02	10.94	10.94	9.52 to 12.60	x		262.44	

OBG Inc. of North America
PAS Site
Oswego, New York
Pre-Pumping Monitoring Well Levels
02/16/2004

Well Number	Ground Elevation	Riser Elevation	DTW During Previous Event	Reading	Reading	Acceptable Range for DTW	Within Range? Yes	Within Range? No	Ground-Water Elevation	Reading 3
SWW1	286.20	289.33	9.06	9.55	9.55	7.76 to 10.30	x		279.78	
SWW2	286.30	289.37	15.60	16.08	16.08	15.02 to 17.00	x		273.29	
SWW3	286.00	286.50	16.80	17.10	17.10	16.10 to 17.75	x		269.40	
SWW4	282.90	283.60	15.05	15.38	15.38	12.98 to 15.55	x		268.22	
SWW5	275.90	277.02	13.11	13.00	13.00	12.25 to 14.24	x		264.02	
SWW6	270.90	273.06	8.90	8.82	8.82	7.68 to 9.40	x		264.24	
SWW7	273.30	277.93	8.06	8.25	8.25	7.38 to 9.18	x		269.68	
SWW8	275.70	278.24	4.32	4.27	4.27	3.55 to 5.75	x		273.97	
SWW9	283.30	285.55	17.42	17.12	17.12	16.58 to 19.18	x		268.43	
SWW10	279.30	280.43	11.48	11.93	11.93	9.40 to 12.18	x		268.50	
SWW11	271.00	273.50	9.22	9.14	9.14	8.52 to 10.50	x		264.36	
SWW12	270.20	272.82	9.10	9.05	9.05	8.11 to 12.80	x		263.77	
LCW-1	271.40	272.21	8.63	10.30	10.30	7.80 to 9.90		x	261.91	10.30
LCW-2	272.60	274.44	10.88	12.55	12.55	10.05 to 12.12		x	261.89	12.55
LCW-3	283.30	284.36	18.22	18.30	18.30	17.72 to 19.30	x		266.06	
LCW-4	283.80	285.70	18.15	17.60	17.60	17.02 to 18.68	x		268.10	

OBG Inc. of North America
PAS Site
Oswego, New York
Pre-Pumping Monitoring Well Levels
03/01/2004

Well Number	Ground Elevation	Riser Elevation	DTW During Previous Event	Reading	Reading	Acceptable Range for DTW	Within Range? Yes	Within Range? No	Ground-Water Elevation	Reading 3
SWW1	286.20	289.33	9.55	9.02	9.02	7.76 to 10.30	x		280.31	
SWW2	286.30	289.37	16.08	15.71	15.71	15.02 to 17.00	x		273.66	
SWW3	286.00	286.50	17.10	17.00	17.00	16.10 to 17.75	x		269.50	
SWW4	282.90	283.60	15.38	14.98	14.98	12.98 to 15.55	x		268.62	
SWW5	275.90	277.02	13.00	13.32	13.32	12.25 to 14.24	x		263.70	
SWW6	270.90	273.06	8.82	8.68	8.68	7.68 to 9.40	x		264.38	
SWW7	273.30	277.93	8.25	8.03	8.03	7.38 to 9.18	x		269.90	
SWW8	275.70	278.24	4.27	4.10	4.10	3.55 to 5.75	x		274.14	
SWW9	283.30	285.55	17.12	16.94	16.94	16.58 to 19.18	x		268.61	
SWW10	279.30	280.43	11.93	10.38	10.38	9.40 to 12.18	x		270.05	
SWW11	271.00	273.50	9.14	9.28	9.28	8.52 to 10.50	x		264.22	
SWW12	270.20	272.82	9.05	8.77	8.77	8.11 to 12.80	x		264.05	
LCW-1	271.40	272.21	10.30	9.00	9.00	7.80 to 9.90	x		263.21	
LCW-2	272.60	274.44	12.55	11.22	11.22	10.05 to 12.12	x		263.22	
LCW-3	283.30	284.36	18.30	18.53	18.53	17.72 to 19.30	x		265.83	
LCW-4	283.80	285.70	17.60	17.38	17.38	17.02 to 18.68	x		268.32	

OBG Inc. of North America
PAS Site
Oswego, New York
Pre-Pumping Monitoring Well Levels
03/15/2004

Well Number	Ground Elevation	Riser Elevation	DTW During Previous Event	Reading	Reading	Acceptable Range for DTW	Within Range? Yes	Within Range? No	Ground-Water Elevation	Reading 3
SWW1	286.20	289.33	9.55	8.30	8.30	7.76 to 10.30	x		281.03	
SWW2	286.30	289.37	16.08	15.42	15.42	15.02 to 17.00	x		273.95	
SWW3	286.00	286.50	17.10	16.60	16.60	16.10 to 17.75	x		269.90	
SWW4	282.90	283.60	15.38	14.02	14.02	12.98 to 15.55	x		269.58	
SWW5	275.90	277.02	13.00	13.38	13.38	12.25 to 14.24	x		263.64	
SWW6	270.90	273.06	8.82	8.52	8.52	7.68 to 9.40	x		264.54	
SWW7	273.30	277.93	8.25	7.88	7.88	7.38 to 9.18	x		270.05	
SWW8	275.70	278.24	4.27	4.08	4.08	3.55 to 5.75	x		274.16	
SWW9	283.30	285.55	17.12	16.65	16.65	16.58 to 19.18	x		268.90	
SWW10	279.30	280.43	11.93	10.42	10.42	9.40 to 12.18	x		270.01	
SWW11	271.00	273.50	9.14	9.40	9.40	8.52 to 10.50	x		264.10	
SWW12	270.20	272.82	9.05	8.80	8.80	8.11 to 12.80	x		264.02	
LCW-1	271.40	272.21	10.30	9.34	9.34	7.80 to 9.90	x		262.87	
LCW-2	272.60	274.44	12.55	11.57	11.57	10.05 to 12.12	x		262.87	
LCW-3	283.30	284.36	18.30	18.22	18.22	17.72 to 19.30	x		266.14	
LCW-4	283.80	285.70	17.60	17.88	17.88	17.02 to 18.68	x		267.82	

ATTACHMENT C-2

SITE INSPECTION CHECKLIST AND LEACHATE DISPOSAL

O'Brien and Gere Inc., of North America

PAS Site
Oswego, New York

Site Inspection Checklist

Date: 1-5-04 Time: 11:10 AM

Personnel: MARTIN Koennecke Weather: FREEZING RAIN

Site Feature	Previous Inspection Date	Condition/Maintenance Activity
Cap	12-15-03	
Burrowing Animals	NONE VISABLE	
Cap Vegetation	GOOD 1"-2" SNOW COVER	
Concrete Drainage Trough	OK	
French Drain	OK	
Weeds	NA	
Leachate Collection System		
Pumps	RESPONDING	
Pump Controls/Alarms	NA	
Tank Level	10"	
Monitoring Wells		
Locks	OK	
Riser	OK	
Surface Completion	OK	
General Site Conditions		
Foliage	NA	
Perimeter Fence	OK WORKING ON BRUSH REMOVAL	
Site Access Drive	OK	
Stream Gauges	NA	
Other Items		
Equipment Storage Shed	OK	
Fire Extinguisher	OK	
Spill Control Materials	OK - STOCKED	

REMARKS/SPECIAL MAINTENANCE: (includes separate detailed maintenance report, if necessary)

O'Brien and Gere Inc., of North America

PAS Site
Oswego, New York

Leachate Disposal Checklist

Project Personnel: Martin Koennecke Time on Site: 8:00

Transportation Subcontractor: BFC

Leachate Destination: CECOS

Date: 1-7-04

Well	Leachate Collection Well Pumping		Well Pumping Flow Rate Analysis		Flow Rate Calculation	Remarks
	Start Time	Stop Time	Time	Tank Elev. (ft Down)		
LCW-1	8:00	9:00		See Bx Low		
LCW-2	8:00	9:00		↓	↓	
LCW-3	8:00	9:00		↓		
LCW-4	8:00	9:00		↓		

Leachate Holding Tank: START 10" Stop 42 After Pump out 10"

Initial Flow Meter Reading: 32" x 305gal = 9760 gal ÷ 60min = 162 GPM
Final Flow Meter Reading:

Load	(Pre-Loading) Tanker		(Post-Loading) Tanker		Destination	Remarks
	Time	Confirmed Clean	Time	Tanker Volume (by Stick Mass)	Manifest	
Load #1	9:00	Yes	11:30	49.5"	NYG 2786517	WO # 286335
Load #2	11:30	Yes	12:35	57"	NYG 2786526	WO # 286336
Load #3						
Load #4						

O'Brien and Gere Inc., of North America

PAS Site
Oswego, New York

Site Inspection Checklist

Date: 1-19-04 Time: 9:00

Personnel: MARTIN Koernecke Weather: SNOWING + BLOWING 10°

Site Feature	Previous Inspection Date	Condition/Maintenance Activity
Cap	1-5-04	
Burrowing Animals	NONE VISIBLE	
Cap Vegetation	SNOW COVERED	
Concrete Drainage Trough		
French Drain		
Weeds		
Leachate Collection System		
Pumps	RESPONDING	
Pump Controls/Alarms	NA	
Tank Level	10"	
Monitoring Wells		
Locks	OK	
Riser	OK	
Surface Completion	SNOW COVERED	
General Site Conditions		
Foliage	NA	
Perimeter Fence	OK	
Site Access Drive	PLOWED SITE ACCESS	18"-36" SNOW
Stream Gauges	NA	
Other Items		
Equipment Storage Shed	OK	
Fire Extinguisher	OK	
Spill Control Materials	OK STOCKED	

REMARKS/SPECIAL MAINTENANCE: (includes separate detailed maintenance report, if necessary) Plowed site

O'Brien and Gere Inc., of North America

PAS Site
Oswego, New York

Site Inspection Checklist

Date: 2-2-04 Time: 8:00AM

Personnel: MARTIN Koenneke Weather: SUNNY

Site Feature	Previous Inspection Date	Condition/Maintenance Activity
Cap	1-19-04	
Burrowing Animals	SNOW COVERED	
Cap Vegetation		
Concrete Drainage Trough		
French Drain		
Weeds		
Leachate Collection System		
Pumps	RESPONDING	
Pump Controls/Alarms	NA	
Tank Level	10"	
Monitoring Wells		
Locks	OK	
Riser	OK	
Surface Completion	SNOW COVERED	
General Site Conditions		
Foliage		
Perimeter Fence	OK	
Site Access Drive	SNOW COVERED	3-6+
Stream Gauges	NA	
Other Items		
Equipment Storage Shed	OK	
Fire Extinguisher	OK	
Spill Control Materials	OK STACKED	

REMARKS/SPECIAL MAINTENANCE: (includes separate detailed maintenance report, if necessary) ARRANGING FOR LOADER to OPEN GATE AREA 8+ FEET ALONG ROAD HARD PACK

O'Brien and Gere Inc., of North America

PAS Site
Oswego, New York

Site Inspection Checklist

Date: 2-16-04 Time: 6:30

Personnel: MARTIN Koennecke Weather: COLD - 5°

Site Feature	Previous Inspection Date	Condition/Maintenance Activity
Cap		
Burrowing Animals	NONE VISABLE	
Cap Vegetation	SNOW COVERED	
Concrete Drainage Trough		
French Drain		
Weeds		
Leachate Collection System		
Pumps	RESPONDING	
Pump Controls/Alarms	NA	
Tank Level	10" Before Pump out	8" After
Monitoring Wells		
Locks	OK	
Riser	OK	
Surface Completion	SNOW COVERED	
General Site Conditions		
Foliage	NA	
Perimeter Fence	OK	
Site Access Drive	SNOW COVERED	PLOWED DRIVE, SHOVELED OUT TANK DOOR
Stream Gauges	NA	
Other Items		
Equipment Storage Shed	OK	
Fire Extinguisher	OK	
Spill Control Materials	OK STOCKED	

REMARKS/SPECIAL MAINTENANCE: (includes separate detailed maintenance report, if necessary) NIMO METER - 02932 after Pump out

O'Brien and Gere Inc., of North America

PAS Site
Oswego, New York

Leachate Disposal Checklist

Project Personnel: MARTIN Koennecke Time on Site: 6:30

Transportation Subcontractor: BFC

Leachate Destination: CECOS

Date: 2-16-04

Well	Leachate Collection Well Pumping		Well Pumping Flow Rate Analysis		Flow Rate Calculation	Remarks
	Start Time	Stop Time	Time	Tank Elev.(ft. Down)		
LCW-1	6:30	830	SEE BELOW			
LCW-2	6:30	8:30	↓	↓	↓	
LCW-3	6:30	8:30	↓	↓	↓	
LCW-4	NOT PUMPED		↓			

Leachate Holding Tank: START - 10" - STOP - 41" - After pump out = 8"
31" = 9455 ÷ 120 min = 78 GPM

Initial Flow Meter Reading: NA
Final Flow Meter Reading: 33" = 10,065 gal

Load	(Pre-Loading) Tanker		(Post-Loading) Tanker		Desination	Remarks
	Time	Confirmed Clean	Time	Tanker Volume (by Stick Mass)	Manifest	
Load #1	8:00	Yes	915	43.5"	NYG 2786544	WO# 286406
Load #2	9:15	Yes	10:00	55"	NYG 2786535	WO# 286405
Load #3						
Load #4						

O'Brien and Gere Inc., of North America

PAS Site
Oswego, New York

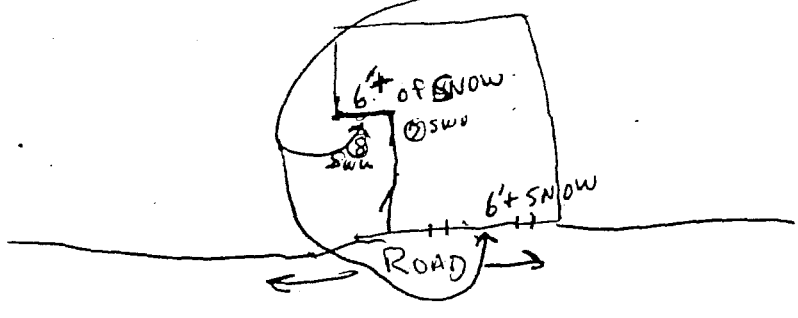
Site Inspection Checklist

Date: 3-1-04 Time: 8:00 Am

Personnel: MARTin Koennake Weather: SUNNY 35°

Site Feature	Previous Inspection Date	Condition/Maintenance Activity
Cap	2-16-04	
Burrowing Animals	SNOW COVERED	1' ~~Feet~~ to 6' Feet
Cap Vegetation		
Concrete Drainage Trough		
French Drain		
Weeds		
Leachate Collection System		
Pumps	Responding	
Pump Controls/Alarms	NA	
Tank Level	8"	
Monitoring Wells		
Locks	OK	
Riser	OK	
Surface Completion	OK	
General Site Conditions		
Foliage	NA	
Perimeter Fence	OK - SNOW Pulling Fence off Posts Along Area	
Site Access Drive	OK	
Stream Gauges	NA	
Other Items		
Equipment Storage Shed	OK	
Fire Extinguisher	OK	
Spill Control Materials	OK STOCKED	

REMARKS/SPECIAL MAINTENANCE: (includes separate detailed maintenance report, if necessary)



O'Brien and Gere Inc., of North America

PAS Site
Oswego, New York

Leachate Disposal Checklist

Project Personnel: MARTIN Koennecke **Time on Site:** 7:00

Transportation Subcontractor: BFC

Leachate Destination: CECOS

Date: 3-3-04

Well	Leachate Collection Well Pumping		Well Pumping Flow Rate Analysis		Flow Rate Calculation	Remarks
	Start Time	Stop Time	Time	Tank Elev.(ft Down)		
LCW-1	7:00	9:30	SEE BELOW			
LCW-2	7:00	9:30				
LCW-3	7:00	9:30				
LCW-4	NOT PUMPED					

Leachate Holding Tank: START - 8"
STOP - 52" After Pump out = 18"

Initial Flow Meter Reading:
Final Flow Meter Reading: 34" = 10 370 gal

44" X 305 = 13420 ÷ 150 min = 89 GPM

Load	(Pre-Loading) Tanker		(Post-Loading) Tanker		Destination	
	Time	Confirmed Clean	Time	Tanker Volume (by Stick-Mass)	Manifest	Remarks
Load #1	9:00	Yes	10:00	47"	NYG 2786553	WOH 286421
Load #2	10:40	Yes	11:30	48"	NYG 2786562	WOH 286422
Load #3						
Load #4						

O'Brien and Gere Inc., of North America

PAS Site
Oswego, New York

Site Inspection Checklist

Date: 3-15-04 Time: 8:30

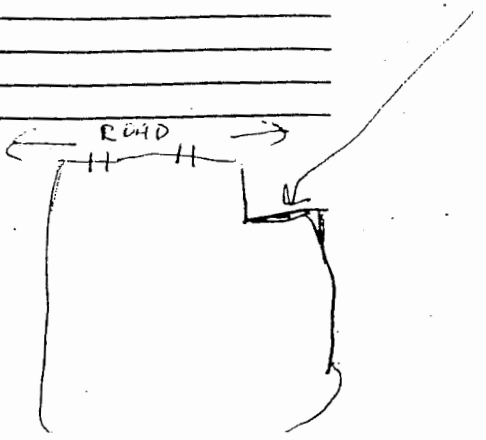
Personnel: MARTIN Koennecke Weather: OVERCAST, WINDY 30° SNOW FLURRIES

Site Feature	Previous Inspection Date	Condition/Maintenance Activity
Cap	3-1-04	
Burrowing Animals	NONE VISABLE	
Cap Vegetation	OK	
Concrete Drainage Trough	SNOW COVERED	
French Drain	SNOW COVERED	
Weeds	NA	
Leachate Collection System		
Pumps	Responding	
Pump Controls/Alarms	NA	
Tank Level	18"	
Monitoring Wells		
Locks	OK	
Riser	OK	
Surface Completion	OK	
General Site Conditions		
Foliage	NA	
Perimeter Fence	See Below	
Site Access Drive	OK	
Stream Gauges	NA	
Other Items		
Equipment Storage Shed	OK SHOWING SIGNS of DECAY OUT SIDE BACK of SHED	
Fire Extinguisher	OK	
Spill Control Materials	OK STOCKED	

REMARKS/SPECIAL MAINTENANCE: (includes separate detailed maintenance report, if necessary) Fence pulled off Posts By SNOW, SNOW still 3-4' Deep IN SOME AREAS -

WORKED ON clearing Trees + BRUSH from Perimeter Fence

NI MO - 02944



ATTACHMENT C-3

HAZARDOUS WASTE MANIFESTS

NYG 2786517

DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST

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

Please type or print. Do not staple

(Hazardous Waste Manifest 1/5/99)

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No.	Manifest Doc. No.	2. Page 1 of	Information within heavy bold line is not required by Federal Law.
	NYD000511659	00092	1	

3. Generator's Name and Mailing Address
PAS Oswego Site Participation Agreement Parties
c/o O'Brien & Gere Inc., of North America
5000 Brittonfield Pkwy., E. Syracuse, NY 13057

4. Generator's Telephone Number (315) 437-6100

A. NYG 2786517

B. Generator's ID
Pollution Abatement Service Site
E. Seneca St., Oswego, NY 13126

5. Transporter 1 (Company Name)
Buffalo Fuel Corp.

6. US EPA ID Number
NYR000045724

C. State Transporter's ID

D. Transporter's Telephone (800) 677-8003

7. Transporter 2 (Company Name)

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Telephone ( )

9. Designated Facility Name and Site Address
CECOS International Inc.
5600 Niagara Falls Blvd.
Niagara Falls, NY 14303

10. US EPA ID Number
NYD080336241

G. State Facility ID

H. Facility Telephone (716) 282-2676

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, Waste, Environmentally Hazardous Substance Liquid, 9, n.o.s., UN3082, PGIII, Multi-Source Leachate, F039 (benzene, toluene, xylene)	001	TT	EST 05000	G	EPA F039 / STATE
b.					EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials listed Above
a. Water 99%, Toluene 0.00045%
Xylene 0.0011%, Benzene 0.00007%

b.

d.

K. Handling Codes for Wastes Listed Above
a. T
c.
b.
d.

15. Special Handling Instructions and Additional Information

Emergency Response Refer to ERG-171
24-Hour Contact 800-677-8003

Product Code: 12451-AAB
Work Order No.: 286335

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Mo.	Day	Year
Martin Koennecke (as agent for PAS)	Martin Koennecke	01	07	04

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year
Timothy W Ellis	Timothy W Ellis	01	07	04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year

19. Discrepancy Indication Space
Quantity received 20.73 Tons

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Mo.	Day	Year
Tim Clark	Tim Clark	01	09	04

GENERATOR

TRANSPORTER

FACILITY

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

COPY 5—Generator—Mailed by TSD Facility

NYG 2786526

DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST

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

Please type or print. Do not staple

(Hazardous Waste Manifest 1/5/99)

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No.	Manifest Doc. No.	2. Page 1 of	Information within heavy bold line is not required by Federal Law.
	NYD005116590	00093	1	

3. Generator's Name and Mailing Address
PAS Oswego Site Participation Agreement Parties
c/o O'Brien & Gere Inc., of North America
5000 Brittonfield Pkwy., E. Syracuse, NY 13057

4. Generator's Telephone Number (315) 437-6100

A. NYG 2786526

B. Generator's ID
Pollution Abatement Service Sit
E. Seneca St., Oswego, NY 13126

5. Transporter 1 (Company Name)
Buffalo Fuel Corp.

6. US EPA ID Number
NYR000045724

C. State Transporter's ID NY AC 45428

D. Transporter's Telephone (800) 677-8003

7 Transporter 2 (Company Name)

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Telephone ( )

9. Designated Facility Name and Site Address
CECOS International Inc.
5600 Niagara Falls Blvd.
Niagara Falls, NY 14303

10. US EPA ID Number
NYD080336241

G. State Facility ID

H. Facility Telephone (716) 282-2676

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, Waste, Environmentally Hazardous Substance Liquid, 9, n.o.s., UN3082, PGIII, Multi-Source Leachate, F039 (benzene, toluene, xylene)	001	TT	05000 EST	C	EPA F039 / STATE
b.					EPA / STATE
c					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials listed Above
a. Water 99% Toluene 0.00045% Xylene 0.0011% benzene 0.00007%
b
c
d

K. Handling Codes for Wastes Listed Above
a. T
b.
c.
d.

15. Special Handling Instructions and Additional Information
Emergency Response Refer to ERG-171
24-Hour Contact 800-677-8003
Product Code: 12451-AAB
Work Order No.: 286336

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Mo.	Day	Year
Martin Koennecke (as agent for PAS)		01	07	04

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year
		01	07	04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year

19. Discrepancy Indication Space
Quantity received 2084 Tons

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Mo.	Day	Year
Tim Clark		01	07	04

GENERATOR

TRANSPORTER

ITY

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

COPY 5—Generator—Mailed by TSD Facility

NYG 2786535

DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST

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

Please type or print. Do not staple

(Hazardous Waste Manifest 1/5/99)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Doc. No.	2. Page 1 of	Information within heavy bold line is not required by Federal Law.
NYD000511659	00094	1	

3. Generator's Name and Mailing Address
PAS Oswego Site Participation Agreement Parties
c/o O'Brien & Gere Inc. of North America
5000 Brittonfield Pkwy., E. Syracuse, NY 13057

4. Generator's Telephone Number (315) 437-6100

A. NYG 2786535

B. Generator's ID Pollution Abatement
E. Seneca St., Oswego, NY 13126

5. Transporter 1 (Company Name)	6. US EPA ID Number	C. State Transporter's ID AC 25487 NY
Buffalo Fuel Corp.	NYR000045724	D. Transporter's Telephone (800) 677-8003
7. Transporter 2 (Company Name)	8. US EPA ID Number	E. State Transporter's ID
		F. Transporter's Telephone ( )

9. Designated Facility Name and Site Address	10. US EPA ID Number	G. State Facility ID
CECOS International Inc. 5600 Niagara Falls Blvd. Niagara Falls, NY 14303	NYD080336241	H. Facility Telephone (716) 282-2676

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, Waste, Envtronmentally Hazardous Substance Liquid, 9, n.o.s., UN3082,PGIII, Multi-Source Leachate, F039 (benzene, toluene, xylene)	001	TT	EST 55000	G	EPA F039 STATE
b.					EPA STATE
c					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials listed Above
a Water 99% Toluene 0.00045% xylene 0.0011%, benzene 0.00007%
b
d

K. Handling Codes for Wastes Listed Above
a T
c
b
d

15. Special Handling Instructions and Additional Information

Emergency Response Refer to ERG-171
24-Hr Contact: 800-677-8003

Product Code: 12451-AAB
Work Order No: 286405

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Mo.	Day	Year
Martin Koennecke as agent for PAS Site Participation		02	16	04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year
Hadley Kroeger	Hadley Kroeger	02	16	04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year

FACILITY

19. Discrepancy Indication Space
Quantity received 21.83 Tons

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Mo.	Day	Year
Tom Clark	Tom Clark	02	16	04

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

GENERATOR

COPY 5—Generator—Mailed by TSD Facility

NYG 2786544

DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST

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

Please type or print. Do not staple

(Hazardous Waste Manifest 1/5/99)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Doc. No.	2. Page 1 of	Information within heavy bold line is not required by Federal Law.
NYD000511659	000095	1	

3. Generator's Name and Mailing Address
PAS Oswego Site Participation Agreement Parties
c/o O'Brien & Gere Inc. of North America
5000 Brittonfield Pkwy., E. Syracuse, NY 13057

4. Generator's Telephone Number ( )

A. NYG 2786544

B. Generator's ID Pollution Abatement Ser.
E. Seneca St., Oswego, NY 13126

5. Transporter 1 (Company Name)	6. US EPA ID Number
Buffalo Fuel Corp.	NYR000045724
7. Transporter 2 (Company Name)	8. US EPA ID Number

C. State Transporter's ID NF-AE-25405
D. Transporter's Telephone (800) 677-8003
E. State Transporter's ID
F. Transporter's Telephone ( )

9. Designated Facility Name and Site Address	10. US EPA ID Number
CECOS International Inc. 5600 Niagara Falls Blvd. Niagara Falls, NY 14303	NYD080336241

G. State Facility ID

H. Facility Telephone (716) 282-2676

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, Waste, Environmentally Hazardous Substance Liquid, 9, nos, UN3082, PGIII, Multi-Source Leachate, PO39 (benzene, toluene, xylene)	001	TT	05000	G	EPA PO39
					STATE
b.					EPA
					STATE
c					EPA
					STATE
d.					EPA
					STATE

J. Additional Descriptions for Materials listed Above
a. Water 99% Toluene 0.00045% Xylene 0.0011%, Benzene 0.00007%
b
c
d

K. Handling Codes for Wastes Listed Above
a T
b
c
d

15. Special Handling Instructions and Additional Information
Emergency Response Refer to ERG-171
24-Hr. Contact: 800-677-8003
Product Code: 12451-AAB
Work Order No: 286406

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Mo.	Day	Year
Martin Koennecke as agent for PAS Site Participation Agreement Parties		02	16	04

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year
		02	16	04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year

19. Discrepancy Indication Space
Quantity received ~~19.48~~ tons

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Mo.	Day	Year
Tim Clark		02	16	04

GENERATOR

TRANSPORTER

FACILITY

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

COPY 5—Generator—Mailed by TSD Facility

NYG 2786553

DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST

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

Please type or print. Do not staple

(Hazardous Waste Manifest 1/5/99)

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No.	Manifest Doc. No.	2. Page 1 of	Information within heavy bold line is not required by Federal Law.
	NYD000511659	000095	1	

3. Generator's Name and Mailing Address
PAS Oswego Site Participation Agreement Parties
c/o O'Brien & Gere Inc., of North America
5000 Brittonfield Pkwy., E. Syracuse, NY 13057

4. Generator's Telephone Number (315) 437-6100

A. NYG 2786553

B. Generator's ID
Pollution Abatement Service Site
E. Seneca St., Oswego, NY 13126

5. Transporter 1 (Company Name)	6. US EPA ID Number	C. State Transporter's ID	AC25485 NY
Buffalo Fuel Corp.	NYR000045724	D. Transporter's Telephone (800)	677-8003
7. Transporter 2 (Company Name)	8. US EPA ID Number	E. State Transporter's ID	
		F. Transporter's Telephone ( )	

9. Designated Facility Name and Site Address	10. US EPA ID Number	G. State Facility ID	
CECOS International Inc. 5600 Niagara Falls Blvd. Niagara Falls, NY 14303	NYD080336241	H. Facility Telephone (716)	282-2676

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, Waste, Environmentally Hazardous Substance Liquid, 9, n.o.s., UN3082, PGIII, Multi-Source Leachate, F039 (benezene, toluene, xylene)	001	TT	05000 EST	G	EPA F039 STATE
b.					EPA STATE
c					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials listed Above		K. Handling Codes for Wastes Listed Above	
Water 99% Toluene 0.00045% Xylene 0.001%, benzene 0.00007%	c	a T	c
b	d	b	d

15. Special Handling Instructions and Additional Information

Emergency response refer to ERG-171
24-Hr. Contact: 800-677-8003

Product Code: 12451-AAE
Work Order No.: 286421

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Mo.	Day	Year
Martin Koennecke (as agent for PAS Site Participation Agr)		03	03	04

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year
Matthew Kresge		03	03	04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year

19. Discrepancy Indication Space

Quantity Received 21.94 tons

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Mo.	Day	Year
Michael J. Carlton		03	03	04

COPY 5—Generator—Mailed by TSD Facility

GENERATOR

TRANSPORTER

FACILITY

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

NYG 2786562

DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST

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

Please type or print. Do not staple

(Hazardous Waste Manifest 1/5/99)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Doc. No.	2. Page 1 of	Information within heavy bold line is not required by Federal Law.
NYD000511659	00096	1	

3. Generator's Name and Mailing Address
PAS Oswego Site Participation Agreement Parties
c/o O'Brien & Gere Inc., of North America
5000 Brittonfield Pkwy., E. Syracuse, NY 13057

4. Generator's Telephone Number (315) 437-6100

A. NYG 2786562

B. Generator's ID
Pollution Abatement Service Site
E. Seneca St., Oswego, NY 13126

5. Transporter 1 (Company Name)
Buffalo Fuel Corp.

6. US EPA ID Number
NYR000045724

C. State Transporter's ID

D. Transporter's Telephone (800) 677-8003

7. Transporter 2 (Company Name)

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Telephone ( )

9. Designated Facility Name and Site Address
CECOS International Inc.
5600 Niagara Falls Blvd.
Niagara Falls, NY 14303

10. US EPA ID Number

G. State Facility ID

H. Facility Telephone (716) 282-2676

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, Waste, Environmentally Hazardous Substance Liquid, 9, n.o.s., UN3082, PG111, Multi-Source Leachate, F039 (benzene, toluene, xylene)	001	T	05000 EST	G	EPA F039 / STATE
b.					EPA / STATE
c					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials listed Above
water 99% toluene 0.00045% oxylene 0.0011% benzene 0.00007%

K. Handling Codes for Wastes Listed Above
a. T
c.
b.
d.

15. Special Handling Instructions and Additional Information

Emergency Response Refer to ERG-171
24-Hr. Contact: 800-677-8003

Product Code: 12451-AAB
Work Order No.: 286422

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Mo.	Day	Year
Martin Koennecke (as agent for PAS Site Participation Agr)	as agent Martin Koennecke	03	03	04

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year
Richard Shanley	Richard Shanley	03	03	04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year

19. Discrepancy Indication Space
Quantity received: 22.38 Tons

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Mo.	Day	Year
Tim Clark	Tim Clark	03	03	04

GENERATOR

TRANSPORTER

FACILITY

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

COPY 5—Generator—Mailed by TSD Facility

ATTACHMENT C-4

WASTE TREATMENT/DISPOSAL CERTIFICATIONS

CECOS
56th Street & Niagara Falls Blvd
Niagara Falls NY 14304 (716)282-2676

000100
SEE GENERATOR
P O BOX 344 LPO
NIAGARA FALLS, NY 14304-0344

Contract: SPC

SITE	TICKET	GRID
ZZ	141386	

WEIGHMASTER: AL

DATE IN	TIME IN
7 January 2004	2:33 pm

DATE OUT	TIME OUT
7 January 2004	3:43 pm

VEHICLE	ROLL OFF
CEC-480	

REFERENCE	ORIGIN
	Inbound - NEW YORK

00 Gross Weight 75,040.00 LB
Tare Weight 33,580.00 LB
Net Weight 41,460.00 LB 20.73 TN.

BFC484

CECOS

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
20.73 TN	S1	Special Waste (NCF 286335)				

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

THINK BEFORE YOU ACT

SIGNATURE

CECOS
56th Street & Niagara Falls Blvd
Niagara Falls NY 14304 (716)282-2676

000100
SEE GENERATOR
P O BOX 344 LPO
NIAGARA FALLS, NY 14304-0344

Contract: SPC

SITE	TICKET	GRID
22	141394	

WEIGHMASTER: AL

DATE IN	TIME IN
7 January 2004	4:00 pm
DATE OUT	**TIME OUT**
7 January 2004	4:56 pm
VEHICLE	**ROLL OFF**
CEC-461	
REFERENCE	**ORIGIN**
	Inbound - NEW YORK

00 Gross Weight 75,240.00 LB
Tare Weight 33,560.00 LB
Net Weight 41,680.00 LB 20.84 TN

CECOS

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
20.84 TN	S1	Special Waste				

wo#286336

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

THINK BEFORE YOU ACT

SIGNATURE X

CECOS
56th Street & Niagara Falls Blvd
Niagara Falls NY 14304 (716)282-2675

000100
SEE GENERATOR
P O BOX 344 LPO
NIAGARA FALLS, NY 14304-0344

Contract: SPC

SITE	TICKET	GRID
22	144675	

WEIGHMASTER: AL

DATE IN	TIME IN
16 February 2004	1:16 pm

DATE OUT	TIME OUT
16 February 2004	2:26 pm

VEHICLE: CEC-458 ROLL OFF

REFERENCE	ORIGIN
	Inbound - NEW YORK

00 Gross Weight 80,240.00 LB
Tare Weight 36,580.00 LB
Net Weight 43,660.00 LB 21.83 TN

BUFFALO FUEL
CECOS

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
21.83 TN	51	Special Waste				

(WO#3-80405)

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

THINK BEFORE YOU ACT

SIGNATURE X Kathleen Keeney

02/16/2004 15:54 7162826073 CECOS INTERNATIONAL PAGE 01

CECOS
56th Street & Niagara Falls Blvd
Niagara Falls NY 14304 (716)282-2676

000100
SEE GENERATOR
P O BOX 344 LPO
NIAGARA FALLS, NY 14304-0344

Contract: SPC

SITE	TICKET	GRID
Z3	144680	

WEIGHMASTER: AL

DATE IN	TIME IN
16 February 2004	1:18 pm

DATE OUT	TIME OUT
16 February 2004	2:46 pm

VEHICLE	ROLL OFF
CEC-857	

REFERENCE	ORIGIN
	Inbound - NEW YORK

00 Gross Weight 69,580.00 LB
Tare Weight 30,620.00 LB
Net Weight 38,960.00 LB 19.48 TN

BUFFALO FUEL

CECOS

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
19.48 TN	S1	Special Waste				
		WO# 286406				

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

THINK BEFORE YOU ACT

SIGNATURE [signature]

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To J. Davis	From R. Cody
Co. OBG	Co. CECOS
Dept.	Phone #
Fax # (315) 463-7440	Fax # (716) 282-6073

CECOS
56th Street & Niagara Falls Blvd
Niagara Falls NY 14304 (716)282-2676

000100
SEE GENERATOR
P O BOX 344 LPO
NIAGARA FALLS, NY 14304-0344

Contract: SPC

SITE	TICKET	GRID
ZZ	146394	

WEIGHMASTER: AL

DATE IN	TIME IN
3 March 2004	2:20 pm
DATE OUT	**TIME OUT**
3 March 2004	3:57 pm

VEHICLE	ROLL OFF
CEC-458	

REFERENCE ORIGIN: Inbound - NEW YORK

00 Gross Weight 74,500.00 LB
Tare Weight 31,020.00 LB
Net Weight 43,480.00 LB 21.74 TN

SSP-18

CECOS

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
21.74 TN	51	Special Waste				

Load # 280421

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

THINK BEFORE YOU ACT

SIGNATURE X Kathy Lucey BFC

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To D. Davis	From T. Clark
Co. O'B & G	Co. CECOS
Dept.	Phone # (716) 282-2676
Fax # (315) 463-7440	Fax # (716) 282-6073

03/03/2004 17:21 7162826073 CECOS ANNEX PAGE 01

Niagara Falls Blvd & Niagara Falls Blvd
Niagara Falls NY 14304 (716)285-2676

000100
SEE GENERATOR
P O BOX 344 LPO
NIAGARA FALLS, NY 14304-0344

Contract: SFC

SITE	TICKET	GRID
22	146391	

WEIGHMASTER: AL

DATE IN	TIME IN
3 March 2004	2:19 pm
DATE OUT	TIME OUT
3 March 2004	3:34 pm

VEHICLE	ROLL OFF
CEC-480	

REFERENCE	ORIGIN
	Inbound - NEW YORK

SAS-11

00 Gross Weight 77,800.00 LB
Tare Weight 33,040.00 LB
Net Weight 44,760.00 LB 22.38 TN

CECOS

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
22.38 TN	51	Special Waste				

WO# 286422

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

THINK BEFORE YOU ACT

SIGNATURE

CECOS INTERNATIONAL, INC. 7162826873 03/03/2004 17:21

ANNUAL PROGRESS REPORT - 2nd Quarter 2004

Operation, Maintenance and Long-term Monitoring Activities

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

PERIOD COVERED: APRIL - JUNE 2004

ACTIONS COMPLETED DURING QUARTER:

- 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 30,373 gallons of leachate was removed during the period April through June of 2004. 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.

- Routine ground-water elevation monitoring was performed on April 5 and 19, May 3, and 17, June 7 and 21, 2004.

- On May 3, 2004, 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 May though June 2004, in accordance with the November 15, 1999 leachate removal protocol.

- The semi-annual ground water and leachate quality sampling was conducted on May 3 and 4, 2004.

- Site maintenance activities were conducted on April 19, May 17, and June 21, 2004, 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.

- Continued to work cooperatively with USEPA in the development of the Institutional Control Plan.

RESULTS OF FIELD ACTIVITIES:

- Ground-water elevation data collected on April 5 and 19, May 3 and 17, and June 7 and 21, 2004 are attached. (See Attachment D-1).

- The routine leachate disposal and site inspection checklists are attached (See Attachment D-2).

- The May 2004 semi-annual sampling results are attached. (See Attachment D-5) Historical concentrations of VOCs of Concern detected in Consent Decree wells are presented in Figure 1.

DOCUMENTATION OF REMOVAL ACTIVITIES DURING QUARTER:

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

APRIL 2004

April 7, 2004

Manifest #	Amount (gal)	Date Removed
NYG2786571	4,860	4/7/04
NYG2786589	4,905	4/7/04

April 2004 Total = 9,765 gallons

MAY 2004

May 5, 2004

Manifest #	Amount (gal)	Date Removed
NYG2786598	4,807	5/5/04
NYG2786607	5,696	5/5/04

May 2004 Total = 10,503 gallons

JUNE 2004

June 9, 2004

Manifest #	Amount (gal)	Date Removed
NYG2786616	5,169	6/9/04
NYG2786625	4,936	6/9/04

June 2004 Total = 10,105 gallons

- **CUMULATIVE REMOVAL QUANTITIES**

Cumulative gallons removed during quarter under OMM Plan - *April through June 2004* **30,373**

HISTORICAL SUMMARY OF LEACHATE REMOVAL ACTIVITIES

Order/Decree	*Disposal Facility/Period*	*Quantities*
1991 IGR Order (2/92 - 10/94)	***Dupont:***	
	1992 (2/98 -12/98)	221,808
	1993	337,619
	1994 (1/94-10/94)	254,898
	Subtotal	814,325
1994 IGR Order (10/94 - 10/98)	*DuPont:*	
	1994 (From 10/94)	50,683
	1995	279,164
	1996 (To 5/96)	119,901
	Subtotal (To 5/96)	449,748
	BFI/CECOS:	
	1996	163,446
	1997	269,371
	1998 (1/98-10/98	207,541
		640,358
	Subtotal	1,090,106
	94 IGR Order Total	
Final IGR Total		**1,904,431**
OMM Consent Decree (Beginning 11/98)	*BFI/CECOS:*	
	1998 (11/98-12/98)	18,423
	1999	177,710
	2000	196,613
	2001	130,212
	2002	118,592
	2003	120,583
	2004(thru 2nd quarter)	60,807
	OMM Subtotal	822,940
GRAND TOTAL		**2,727,371**

- **LEACHATE DISPOSAL DOCUMENTATION**

April 7, 2004

BFI/CECOS Work Order Number	Manifest #	Date Disposed
286461	NYG2786571	4/7/04
286462	NYG2786589	4/7/04

May 5, 2004

BFI/CECOS Work Order Number	Manifest #	Date Disposed
286488	NYG2786598	5/5/04
286489	NYG2786607	5/5/04

June 9, 2004

BFI/CECOS Work Order Number	Manifest #	Date Disposed
286531	NYG2786616	6/9/04
286532	NYG2786625	6/9/04

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 D-4, and a density of 8.346 pounds per gallon.

ATTACHMENT D-1

GROUND-WATER ELEVATION DATA

OBG Inc. of North America
PAS Site
Oswego, New York
Pre-Pumping Monitoring Well Levels
04/05/2004

Well Number	Ground Elevation	Riser Elevation	DTW During Previous Event	Reading	Reading	Acceptable Range for DTW	Within Range? Yes	Within Range? No	Ground-Water Elevation	Reading 3
SWW1	286.20	289.33	9.65	8.31	8.31	7.76 to 10.30	x		281.02	
SWW2	286.30	289.37	15.84	15.12	15.12	15.02 to 17.00	x		274.25	
SWW3	286.00	286.50	17.00	16.50	16.50	16.10 to 17.75	x		270.00	
SWW4	282.90	283.60	15.58	13.58	13.58	12.98 to 15.55	x		270.02	
SWW5	275.90	277.02	13.22	12.95	12.95	12.25 to 14.24	x		264.07	
SWW6	270.90	273.06	8.90	8.25	8.25	7.68 to 9.40	x		264.81	
SWW7	273.30	277.93	8.30	7.70	7.70	7.38 to 9.18	x		270.23	
SWW8	275.70	278.24	4.30	3.98	3.98	3.55 to 5.75	x		274.26	
SWW9	283.30	285.55	17.12	16.35	16.35	16.58 to 19.18		x	269.20	16.35
SWW10	279.30	280.43	12.40	9.65	9.65	9.40 to 12.18	x		270.78	
SWW11	271.00	273.50	9.16	8.93	8.93	8.52 to 10.50	x		264.57	
SWW12	270.20	272.82	9.20	8.55	8.55	8.11 to 12.80	x		264.27	
LCW-1	271.40	272.21	8.23	8.30	8.30	7.80 to 9.90	x		263.91	
LCW-2	272.60	274.44	10.45	10.54	10.54	10.05 to 12.12	x		263.90	
LCW-3	283.30	284.36	18.45	18.26	18.26	17.72 to 19.30	x		266.10	
LCW-4	283.80	285.70	17.88	17.40	17.40	17.02 to 18.68	x		268.30	

OBG Inc. of North America
PAS Site
Oswego, New York
Pre-Pumping Monitoring Well Levels
04/19/2004

Well Number	Ground Elevation	Riser Elevation	DTW During Previous Event	Reading	Reading	Acceptable Range for DTW	Within Range? Yes	Within Range? No	Ground-Water Elevation	Reading 3
SWW1	286.20	289.33	9.65	8.54	8.54	7.76 to 10.30	x		280.79	
SWW2	286.30	289.37	15.84	15.08	15.08	15.02 to 17.00	x		274.29	
SWW3	286.00	286.50	17.00	16.36	16.36	16.10 to 17.75	x		270.14	
SWW4	282.90	283.60	15.58	13.80	13.80	12.98 to 15.55	x		269.80	
SWW5	275.90	277.02	13.22	13.12	13.12	12.25 to 14.24	x		263.90	
SWW6	270.90	273.06	8.90	8.30	8.30	7.68 to 9.40	x		264.76	
SWW7	273.30	277.93	8.30	7.50	7.50	7.38 to 9.18	x		270.43	
SWW8	275.70	278.24	4.30	4.02	4.02	3.55 to 5.75	x		274.22	
SWW9	283.30	285.55	17.12	16.15	16.15	16.58 to 19.18		x	269.40	16.15
SWW10	279.30	280.43	12.40	9.85	9.85	9.40 to 12.18	x		270.58	
SWW11	271.00	273.50	9.16	9.06	9.06	8.52 to 10.50	x		264.44	
SWW12	270.20	272.82	9.20	8.58	8.58	8.11 to 12.80	x		264.24	
LCW-1	271.40	272.21	8.23	9.18	9.18	7.80 to 9.90	x		263.03	
LCW-2	272.60	274.44	10.45	11.42	11.42	10.05 to 12.12	x		263.02	
LCW-3	283.30	284.36	18.45	18.30	18.30	17.72 to 19.30	x		266.06	
LCW-4	283.80	285.70	17.88	17.12	17.12	17.02 to 18.68	x		268.58	

OBG Inc. of North America
PAS Site
Oswego, New York
Pre-Pumping Monitoring Well Levels
05/03/2004

Well Number	Ground Elevation	Riser Elevation	DTW During Previous Event	Reading	Reading	Acceptable Range for DTW	Within Range? Yes	Within Range? No	Ground-Water Elevation	Reading 3
SWW1	286.20	289.33	8.54	9.02	9.02	7.80 to 10.15	x		280.31	
SWW2	286.30	289.37	15.08	14.95	14.95	14.92 to 16.58	x		274.42	
SWW3	286.00	286.50	16.36	16.47	16.47	16.10 to 17.60	x		270.03	
SWW4	282.90	283.60	13.80	14.85	14.85	13.52 to 16.08	x		268.75	
SWW5	275.90	277.02	13.12	13.12	13.12	12.50 to 13.82	x		263.90	
SWW6	270.90	273.06	8.30	8.72	8.72	8.02 to 9.40	x		264.34	
SWW7	273.30	277.93	7.50	7.68	7.68	7.38 to 8.80	x		270.25	
SWW8	275.70	278.24	4.02	3.95	3.95	3.58 to 4.82	x		274.29	
SWW9	283.30	285.55	16.15	16.28	16.28	16.15 to 17.92	x		269.27	
SWW10	279.30	280.43	9.85	11.24	11.24	9.88 to 12.90	x		269.19	
SWW11	271.00	273.50	9.06	8.94	8.94	8.64 to 9.78	x		264.56	
SWW12	270.20	272.82	8.58	8.68	8.68	8.27 to 9.70	x		264.14	
LCW-1	271.40	272.21	9.18	8.40	8.40	7.73 to 10.80	x		263.81	
LCW-2	272.60	274.44	11.42	10.66	10.66	9.95 to 13.05	x		263.78	
LCW-3	283.30	284.36	18.30	18.41	18.41	17.72 to 19.03	x		265.95	
LCW-4	283.80	285.70	17.12	16.86	16.86	16.88 to 18.65		x	268.84	16.86
LR-2	287.50	289.85	14.11	13.68	13.68	13.42 to 15.72	x		276.17	
LR-3	275.50	278.06	8.68	8.20	8.20	8.18 to 10.84	x		269.86	
LR-6	270.90	274.39	10.82	10.41	10.41	10.30 to 12.44	x		263.98	
LR-8	270.00	273.42	11.00	10.37	10.37	10.21 to 12.48	x		263.05	
M-21	270.28	272.32	10.44	9.81	9.81	9.64 to 11.84	x		262.51	
M-22	270.40	273.88	10.51	10.11	10.11	10.00 to 12.12	x		263.77	
M-23	267.98	270.49	12.23	11.75	11.75	11.70 to 13.72	x		258.74	
M-24	276.49	277.94	15.58	14.59	14.59	14.72 to 16.90		x	263.35	14.59
M-25	264.56	265.84	7.35	6.75	6.75	6.85 to 8.86		x	259.09	6.75
M-26	271.85	273.38	10.94	9.08	9.08	9.52 to 12.60		x	264.30	9.08

OBG Inc. of North America
PAS Site
Oswego, New York
Pre-Pumping Monitoring Well Levels
05/17/2004

Well Number	Ground Elevation	Riser Elevation	DTW During Previous Event	Reading	Reading	Acceptable Range for DTW	Within Range? Yes	Within Range? No	Ground-Water Elevation	Reading 3
SWW1	286.20	289.33	8.54	9.51	9.51	7.80 to 10.15	x		279.82	
SWW2	286.30	289.37	15.08	15.06	15.06	14.92 to 16.58	x		274.31	
SWW3	286.00	286.50	16.36	16.55	16.55	16.10 to 17.60	x		269.95	
SWW4	282.90	283.60	13.80	15.45	15.45	13.52 to 16.08	x		268.15	
SWW5	275.90	277.02	13.12	13.10	13.10	12.50 to 13.82	x		263.92	
SWW6	270.90	273.06	8.30	9.11	9.11	8.02 to 9.40	x		263.95	
SWW7	273.30	277.93	7.50	7.74	7.74	7.38 to 8.80	x		270.19	
SWW8	275.70	278.24	4.02	4.42	4.42	3.58 to 4.82	x		273.82	
SWW9	283.30	285.55	16.15	16.43	16.43	16.15 to 17.92	x		269.12	
SWW10	279.30	280.43	9.85	12.08	12.08	9.88 to 12.90	x		268.35	
SWW11	271.00	273.50	9.06	8.84	8.84	8.64 to 9.78	x		264.66	
SWW12	270.20	272.82	8.58	9.23	9.23	8.27 to 9.70	x		263.59	
LCW-1	271.40	272.21	9.18	8.30	8.30	7.73 to 10.80	x		263.91	
LCW-2	272.60	274.44	11.42	10.55	10.55	9.95 to 13.05	x		263.89	
LCW-3	283.30	284.36	18.30	18.36	18.36	17.72 to 19.03	x		266.00	
LCW-4	283.80	285.70	17.12	17.18	17.18	16.88 to 18.65	x		268.52	

OBG Inc. of North America
PAS Site
Oswego, New York
Pre-Pumping Monitoring Well Levels
06/07/2004

Well Number	Ground Elevation	Riser Elevation	DTW During Previous Even	Reading	Reading	Acceptable Range for DTW	Within Range? Yes	Within Range? No	Ground-Water Elevation	Reading 3
SWW1	286.20	289.33	9.51	9.70	9.70	7.80 to 10.15	x		279.63	
SWW2	286.30	289.37	15.06	15.08	15.08	14.92 to 16.58	x		274.29	
SWW3	286.00	286.50	16.55	16.46	16.46	16.10 to 17.60	x		270.04	
SWW4	282.90	283.60	15.45	15.48	15.48	13.52 to 16.08	x		268.12	
SWW5	275.90	277.02	13.10	12.58	12.58	12.50 to 13.82	x		264.44	
SWW6	270.90	273.06	9.11	9.22	9.22	8.02 to 9.40	x		263.84	
SWW7	273.30	277.93	7.74	7.76	7.76	7.38 to 8.80	x		270.17	
SWW8	275.70	278.24	4.42	4.63	4.63	3.58 to 4.82	x		273.61	
SWW9	283.30	285.55	16.43	16.40	16.40	16.15 to 17.92	x		269.15	
SWW10	279.30	280.43	12.08	11.96	11.96	9.88 to 12.90	x		268.47	
SWW11	271.00	273.50	8.84	8.53	8.53	8.64 to 9.78		x	264.97	8.53
SWW12	270.20	272.82	9.23	9.62	9.62	8.27 to 9.70	x		263.20	
LCW-1	271.40	272.21	8.30	7.70	7.70	7.73 to 10.80		x	264.51	7.70
LCW-2	272.60	274.44	10.55	9.95	9.95	9.95 to 13.05			264.49	
LCW-3	283.30	284.36	18.36	18.47	18.47	17.72 to 19.03	x		265.89	
LCW-4	283.80	285.70	17.18	16.85	19.85	16.88 to 18.65		x	265.85	19.85

OBG Inc. of North America
PAS Site
Oswego, New York
Pre-Pumping Monitoring Well Levels
06/21/2004

Well Number	Ground Elevation	Riser Elevation	DTW During Previous Even	Reading	Reading	Acceptable Range for DTW	Within Range? Yes	Within Range? No	Ground-Water Elevation	Reading 3
SWW1	286.20	289.33	9.51	10.14	10.14	7.80 to 10.15	x		279.19	
SWW2	286.30	289.37	15.06	15.22	15.22	14.92 to 16.58	x		274.15	
SWW3	286.00	286.50	16.55	16.56	16.56	16.10 to 17.60	x		269.94	
SWW4	282.90	283.60	15.45	16.29	16.29	13.52 to 16.08		x	267.31	16.29
SWW5	275.90	277.02	13.10	12.95	12.95	12.50 to 13.82	x		264.07	
SWW6	270.90	273.06	9.11	9.54	9.54	8.02 to 9.40		x	263.52	9.54
SWW7	273.30	277.93	7.74	7.90	7.90	7.38 to 8.80	x		270.03	
SWW8	275.70	278.24	4.42	5.42	5.42	3.58 to 4.82		x	272.82	5.42
SWW9	283.30	285.55	16.43	16.65	16.65	16.15 to 17.92	x		268.90	
SWW10	279.30	280.43	12.08	13.18	13.18	9.88 to 12.90		x	267.25	13.18
SWW11	271.00	273.50	8.84	8.76	8.76	8.64 to 9.78	x		264.74	
SWW12	270.20	272.82	9.23	11.11	11.11	8.27 to 9.70		x	261.71	11.11
LCW-1	271.40	272.21	8.30	8.14	8.14	7.73 to 10.80	x		264.07	
LCW-2	272.60	274.44	10.55	10.40	10.40	9.95 to 13.05	x		264.04	
LCW-3	283.30	284.36	18.36	18.40	18.40	17.72 to 19.03	x		265.96	
LCW-4	283.80	285.70	17.18	17.26	17.26	16.88 to 18.65	x		268.44	

ATTACHMENT D-2

SITE INSPECTION CHECKLIST AND LEACHATE DISPOSAL

O'Brien and Gere Inc., of North America

PAS Site
Oswego, New York

Site Inspection Checklist

Date: 4-5-04 Time: 8:00 AM

Personnel: MARTin Koennecke Weather: OVERCAST WINDY 20° 3" NEW SNOW

Site Feature	Previous Inspection Date	Condition/Maintenance Activity
Cap	3-15-04	
Burrowing Animals	NONE VISABLE	
Cap Vegetation	OK	
Concrete Drainage Trough	OK	
French Drain	OK	
Weeds	NA	
Leachate Collection System		
Pumps	RESPONDING	
Pump Controls/Alarms	NA	
Tank Level	18"	
Monitoring Wells		
Locks	OK	
Riser	OK	
Surface Completion	OK	
General Site Conditions		
Foliage	NA	
Perimeter Fence	NEEDS REPAIR (MINOR) FROM SNOW DAMAGE	
Site Access Drive	OK	
Stream Gauges	NA	
Other Items		
Equipment Storage Shed	OK	
Fire Extinguisher	OK	
Spill Control Materials	OK STOCKED	

REMARKS/SPECIAL MAINTENANCE: (includes separate detailed maintenance report, if necessary) 3" SNOW COVER

NEED to KEEP WORKING ON BRUSH AROUND FENCE PERIMETER

NIMO 02944

O'Brien and Gere Inc., of North America

PAS Site
Oswego, New York

Leachate Disposal Checklist

Project Personnel: MARTin Koennecke Time on Site: 7:00

Transportation Subcontractor: BFC

Leachate Destination: CECOS

Date: 4-7-04

Well	Leachate Collection Well Pumping		Well Pumping Flow Rate Analysis			
	Start Time	Stop Time	Time	Tank Elev. (ft Down)	Flow Rate Calculation	Remarks
LCW-1	7:00	8:40		SEE	Below	
LCW-2	7:00	8:40				
LCW-3	7:00	8:40				
LCW-4	NOT	PUMPED				

Leachate Holding Tank: START 18" STOP - 49" - 15" = 34" = 10,370 gal = 2 LOADS After Pump out - 15"

Initial Flow Meter Reading:
Final Flow Meter Reading: After 15" 31" = 9455 gal ÷ 100 min = 94.5 GPM

Load	(Pre-Loading) Tanker		(Post-Loading) Tanker		Destination	Remarks
	Time	Confirmed Clean	Time	Tanker Volume (by Stick Mass)	Manifest	
Load #1	8:40	Yes	9:15	53"	NYG 2786571	WO# 286461
Load #2	9:20	Yes	10:15	46"	NYG 2786589	WO# 286462
Load #3						
Load #4						

O'Brien and Gere Inc., of North America

PAS Site
Oswego, New York

Site Inspection Checklist

Date: 4-19-04 Time: 8:00

Personnel: MARTIN KOENNECKE Weather: OVERCAST WARM 70°

Site Feature	Previous Inspection Date	Condition/Maintenance Activity
Cap	4-5-04	
Burrowing Animals	NONE VISABLE	
Cap Vegetation	OK	
Concrete Drainage Trough	OK	
French Drain	OK	
Weeds	NA	
Leachate Collection System		
Pumps	RESPONDING	
Pump Controls/Alarms	NA	
Tank Level	15"	
Monitoring Wells		
Locks	OK	OILED well Locks
Riser	OK	
Surface Completion	OK	
General Site Conditions		
Foliage	GOOD	
Perimeter Fence	SECURE	WORKING ON BRUSH
Site Access Drive	OK	
Stream Gauges	NA	
Other Items		
Equipment Storage Shed	OK	
Fire Extinguisher	OK	
Spill Control Materials	OK - STOCKED	

REMARKS/SPECIAL MAINTENANCE: (includes separate detailed maintenance report, if necessary) NIMO meter - 02953

O'Brien and Gere Inc., of North America

PAS Site
Oswego, New York

Site Inspection Checklist

Date: 5-3-04 Time: 9:00

Personnel: MARTIN Koennecke Weather: OVERCAST 40°

Site Feature	Previous Inspection Date	Condition/Maintenance Activity
Cap		
Burrowing Animals	NONE VISABLE	
Cap Vegetation	GOOD	
Concrete Drainage Trough	OK	
French Drain	OK	
Weeds	N.A.	
Leachate Collection System		
Pumps	RESPONDING	
Pump Controls/Alarms	NA	
Tank Level	15"	
Monitoring Wells		
Locks	OK	
Riser	OK	
Surface Completion	NA	
General Site Conditions		
Foliage	GOOD	
Perimeter Fence	NEED SOME TIGHTENING UP	
Site Access Drive	OK	
Stream Gauges	NA	
Other Items		
Equipment Storage Shed	OK	
Fire Extinguisher	OK	
Spill Control Materials	OK STOCKED	

REMARKS/SPECIAL MAINTENANCE: (includes separate detailed maintenance report, if necessary) NEED TO KEEP WORKING ON BRUSH AROUND NI MO - 02953 PERIMETER FENCE

STARTED SEMI ANNUAL WELL SAMPLING

O'Brien and Gere Inc., of North America

PAS Site
Oswego, New York

Leachate Disposal Checklist

Project Personnel: Martha Kosmacky Time on Site: 8:00

Transportation Subcontractor: BFC

Leachate Destination: CECOS

Date: 5-5-04

Well	Leachate Collection Well Pumping		Well Pumping Flow Rate Analysis		Flow Rate Calculation	Remarks
	Start Time	Stop Time	Time	Tank Elev.(ft Down)		
LCW-1	8:00	8:45		Set Below		
LCW-2	8:00	8:45				
LCW-3	8:00	8:45		"		
LCW-4	8:00	8:45				

Leachate Holding Tank: 16" START, 34" STOP After Pump out - 3"
34" = 10370

Initial Flow Meter Reading: NA
Final Flow Meter Reading:

24" x 305 = 7320 ÷ 45 min = 162 GPM

Load	(Pre-Loading) Tanker		(Post-Loading) Tanker		Destination	Remarks
	Time	Confirmed Clean	Time	Tanker Volume (by Stick Mass)	Manifest	
Load #1	8:30	Yes	9:00	53"	NYG 2786598	WO# 286488
Load #2	9:00	Yes	9:30	50"	NYG 2786607	WO# 286489
Load #3						
Load #4						

O'Brien and Gere Inc., of North America

PAS Site
Oswego, New York

Site Inspection Checklist

Date: 5-17-04 Time: 8:00

Personnel: MARTIN KOENNECKE Weather: SUNNY 45°

Site Feature	Previous Inspection Date	Condition/Maintenance Activity
Cap		
Burrowing Animals	NONE VISABLE	
Cap Vegetation	GOOD	
Concrete Drainage Trough	OK	
French Drain	OK	
Weeds	NA	
Leachate Collection System		
Pumps	Responding	
Pump Controls/Alarms	NA	
Tank Level	3"	
Monitoring Wells		
Locks	OK	
Riser	OK	
Surface Completion	NA	
General Site Conditions		
Foliage	GOOD 12"+	
Perimeter Fence	OK WORKING ON BRUSH	
Site Access Drive	OK	
Stream Gauges	NA	
Other Items		
Equipment Storage Shed	OK SHOWING SIGNS OF DECAY	
Fire Extinguisher	OK	
Spill Control Materials	OK STOCKED	

REMARKS/SPECIAL MAINTENANCE: (includes separate detailed maintenance report, if necessary) NI MD meter -02960

O'Brien and Gere Inc., of North America

PAS Site
Oswego, New York

Site Inspection Checklist

Date: 6-7-04 Time: 8:30

Personnel: MARTIN Kleinecke Weather: SUNNY 65°

Site Feature	Previous Inspection Date	Condition/Maintenance Activity
Cap	5-17-04	
Burrowing Animals	NONE VISABLE	
Cap Vegetation	GOOD	
Concrete Drainage Trough	OK STARTING	To cover over with Vegetation
French Drain	OK	
Weeds	NA	
Leachate Collection System		
Pumps	Responding	
Pump Controls/Alarms	NA	
Tank Level	3"	
Monitoring Wells		
Locks	OK	
Riser	OK	
Surface Completion	NA	
General Site Conditions		
Foliage	GOOD 3'5'	
Perimeter Fence	OK WORKING ON	TRIMMING
Site Access Drive	OK	
Stream Gauges	NA	
Other Items		
Equipment Storage Shed	OK STARTING	To SHOW SIGNS OF DECAY
Fire Extinguisher	OK	
Spill Control Materials	OK STOCKED	

REMARKS/SPECIAL MAINTENANCE: (includes separate detailed maintenance report, if necessary) NI MO ON SITE AND INSTALLED Remote ELECTRIC METER

TRIMMING FRONT OF SHED, POWER PANEL, AND STORAGE TANK

O'Brien and Gere Inc., of North America

PAS Site
Oswego, New York

Leachate Disposal Checklist

Project Personnel: MARTIN Koennecke Time on Site: 7:00

Transportation Subcontractor: BFC

Leachate Destination: CECOS

Date: 6-9-04

Well	Leachate Collection Well Pumping		Well Pumping Flow Rate Analysis		Flow Rate Calculation	Remarks
	Start Time	Stop Time	Time	Tank Elev.(ft Down)		
LCW-1	7:15	8:30	See Below			
LCW-2	7:15	8:30	"	"	"	"
LCW-3	7:15	8:30	"	"	"	"
LCW-4	7:15	8:30				

Leachate Holding Tank: START-3" STOP-42" After Pumpout-8"

Initial Flow Meter Reading: 39" x 305 = 11895 ÷ 75 min. = 158.6 GPM

Final Flow Meter Reading: 42"-8" = 34" x 305 (10370 gal - EST - 2 LOADS)

Load	(Pre-Loading) Tanker		(Post-Loading) Tanker		Destination	Remarks
	Time	Confirmed Clean	Time	Tanker Volume (by Stick Mass)	Manifest	
Load #1	8:30	Yes	9:30	48"	NYG 2786616	WO# 286531
Load #2	9:30	Yes	10:10	50.5"	NYG 2786625	WO# 286532
Load #3						
Load #4						

O'Brien and Gere Inc., of North America

PAS Site
Oswego, New York

Site Inspection Checklist

Date: 6-21-04 Time: 8:00

Personnel: MARTIN KOENNECKE Weather: SUNNY 65°

Site Feature	Previous Inspection Date	Condition/Maintenance Activity
Cap	6-7-04	
Burrowing Animals	NONE VISABLE	
Cap Vegetation	GOOD	
Concrete Drainage Trough	OK	STARTING TO GROW OVER
French Drain	OK	
Weeds	NA	
Leachate Collection System		
Pumps	OK Responding	
Pump Controls/Alarms	N/A	
Tank Level	8"	
Monitoring Wells		
Locks	OK	
Riser	OK	
Surface Completion	N/A	
General Site Conditions		
Foliage	GOOD	
Perimeter Fence	OK	WORKING ON TRIMMING
Site Access Drive	OK	
Stream Gauges	N/A	
Other Items		
Equipment Storage Shed	OK SHOWING	SIGNS OF DECAY
Fire Extinguisher	OK	
Spill Control Materials	OK STOCKED	

REMARKS/SPECIAL MAINTENANCE: (includes separate detailed maintenance report, if necessary) NEEDS TO BE MOWED SOON

ATTACHMENT D-3

HAZARDOUS WASTE MANIFESTS

NYG 2786571

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST

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

Please type or print. Do not staple

(Hazardous Waste Manifest 1/5/89)

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No.	Manifest Doc. No.	2. Page 1 of	Information within heavy bold line is not required by Federal Law.
	NYD000511659	00097	1	

3. Generator's Name and Mailing Address
PAS Oswego Site Participation Agreement Parties
c/o O'Brien & Gere Inc., of North America
5000 brittonfield Pkwy., E. Syracuse, NY 13057

4. Generator's Telephone Number (315) 437-6100

A. NYG 2786571

B. Generator's ID
Pollution Abatement Services Site
E. Seneca St., Oswego, NY 13126

5. Transporter 1 (Company Name)
Buffalo Fuel Corp.

6. US EPA ID Number
NYR000045724

C. State Transporter's ID AC 25428 NY

D. Transporter's Telephone (800) 677-8003

7. Transporter 2 (Company Name)

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Telephone ( )

9. Designated Facility Name and Site Address
CECOS International Inc.
5600 Niagara Falls Blvd.
Niagara Falls, NY 14303

10. US EPA ID Number
NYD980536241

G. State Facility ID

H. Facility Telephone (716) 282-2676

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, Waste, Environmentally Hazardous Substance Liquid, 9, n.o.s., UN3082, PG111, Multi-Source Leachate, F039 (benzene, toluene, xylene)	001	TT	EST 05000	G	EPA F039 / STATE
b.					EPA / STATE
c					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials listed Above
a. Water 99%, Toluene 0.0004%, Xylene 0.001%, Benzene 0.00007%
b.
c.
d.

K. Handling Codes for Wastes Listed Above
a. T
b.
c.
d.

15. Special Handling Instructions and Additional Information
Emergency Response refer to ERG-171
24-Hour Contact: 800-677-8003
Product Code: 12451-AAB
Work Order No.: 286461

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Mo.	Day	Year
Martin Koennecke (as agent for PAS Site Participation)		04	07	04

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year

19. Discrepancy Indication Space
Quantity Received 10,560 lbs (4812) gal

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Mo.	Day	Year
Michael J. Coulton		04	07	04

GENERATOR

TRANSPORTER

FACILITY

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

COPY 5—Generator—Mailed by TSD Facility

NYG 2786589

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST

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

Please type or print. Do not staple

(Hazardous Waste Manifest 1/5/99)

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No.	Manifest Doc. No.	2. Page 1 of	Information within heavy bold line is not required by Federal Law.
	NYD000511659	00098	1	

3. Generator's Name and Mailing Address
PAS Oswego Site Participation Agreement Parties
c/o O'Brien & Gere Inc., of North America
5000 Brittonfield Pkwy., E. Syracuse, NY 13057

4. Generator's Telephone Number (315) 437-6100

A. NYG 2786589

B. Generator's ID
Pollution Abatement Service Site
E. Seneca St., Oswego, NY 13126

5. Transporter 1 (Company Name)	6. US EPA ID Number	C. State Transporter's ID	4-23484 NY
Buffalo Fuel Corp.	NYR000045724	D. Transporter's Telephone ( )	800 677-8003
7. Transporter 2 (Company Name)	8. US EPA ID Number	E. State Transporter's ID	
		F. Transporter's Telephone ( )	

9. Designated Facility Name and Site Address	10. US EPA ID Number	G. State Facility ID	
CECOS International Inc. 5600 Niagara Falls Blvd. Niagara Falls, NY 14303	NYD080336241	H. Facility Telephone ( )	716 282-2676

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, Waste, Environmentally Hazardous Substance Liquid, 9, n.o.s., UN3082, PGIII, Multi-Source Leachate, F039 (benzene, toluene, xylene)	001	TT	EST 05000	G	EPA F039
					STATE
b.					EPA
					STATE
c					EPA
					STATE
d.					EPA
					STATE

J. Additional Descriptions for Materials listed Above
a. Water 99% Toluene 0.0045% xylene 0.0011% benzene 0.00007%
b.
c.
d.

K. Handling Codes for Wastes Listed Above
a. T
b.
c.
d.

15. Special Handling Instructions and Additional Information

Emergency Response refer to: ERG#171
24-Hour Contact: 800-677-8003
Product Code: 12451-AAB
Work Order No: 286462

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Mo.	Day	Year
Martin Koegnecke (as agent for PAS Site Participation)	Martin S Koegnecke	04	07	04

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year
John Whalen	John Whalen	04	07	04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year

19. Discrepancy Indication Space
Quantity Received 40940 lbs (4857 gals)

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Mo.	Day	Year
Michael J. Calter	M Calter	04	07	04

GENERATOR

TRANSPORTER

FACILITY

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

COPY 5—Generator—Mailed by TSD Facility

NYG 2786607

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST

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

Please type or print. Do not staple

(Hazardous Waste Manifest 1/5/99)

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No.	Manifest Doc. No.	2. Page 1 of	Information within heavy bold line is not required by Federal Law.
	NYD000511659	000100	1	

GENERATOR

3. Generator's Name and Mailing Address
PAS Oswego Site Participation Agreement Parties
c/o O'Brien & Gere Inc., of North America
5000 Brittonfield Pkwy., E. Syracuse, NY 13057

4. Generator's Telephone Number (315) 437-6100

A. NYG 2786607

B. Generator's ID
Pollution Abatement Service Site
E. Seneca St., Oswego, NY 13126

5. Transporter 1 (Company Name)	6. US EPA ID Number	C. State Transporter's ID	Ap.15255 NY
Buffalo Fuel Corp.	NYR000045724	D. Transporter's Telephone (800) 6779 8003	
7. Transporter 2 (Company Name)	8. US EPA ID Number	E. State Transporter's ID	
		F. Transporter's Telephone ( )	

9. Designated Facility Name and Site Address	10. US EPA ID Number	G. State Facility ID	
CECOS International Inc. 5600 Niagara Falls Blvd. Niagara Falls, NY 14303	NYD080336241	H. Facility Telephone (716) 282-2676	

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, Waste, Environmentally Hazardous Substance Liquid, 9, n.o.s., UN3082, PGIII, Multi-Source Leachate, F039 (benzene, toluene, xylene)	001	TT	95000	G	EPA F039 STATE
b.					EPA STATE
c					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials listed Above		K. Handling Codes for Wastes Listed Above	
a. Water 99% Toluene 0.0006% xylene 0.001%, benzene 0.0007%	c	a. T	c
b	d	b	d

15. Special Handling Instructions and Additional Information

Emergency Response Refer to ERG-171
24-Hr Contact: 800-677-8003

Product Code: 12451-AAB
Work Order No.: 286489

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Mo.	Day	Year
Martin Foenpecke (as agent for PAS Site Participation Agreement Parties)		05	05	04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year
Richard Keller		05	05	04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year

FACILITY

19. Discrepancy Indication Space
Quantity received 47,540 lbs

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Mo.	Day	Year
Tim Clark		05	05	04

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

COPY 5—Generator—Mailed by TSD Facility

NYG 2786598

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST

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

Please type or print. Do not staple

(Hazardous Waste Manifest 1/5/99)

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

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No. NYD000511659	Manifest Doc. No. 00099	2. Page 1 of 1	Information within heavy bold line is not required by Federal Law.

3. Generator's Name and Mailing Address
PAS Oswego Site Participation Agreement Parties
c/o O'Brien & Gere Inc., of North America
5000 Brittonfield Pkwy., E. Syracuse, NY 13057
4. Generator's Telephone Number (315) 437-6100

A. NYG 2786598
B. Generator's ID Pollution Abatement Service Site E. Seneca St., Oswego, NY 13126

5. Transporter 1 (Company Name) Buffalo Fuel Corporation
6. US EPA ID Number NYR000045724
C. State Transporter's ID AF 254 VR NY
D. Transporter's Telephone (800) 677-8003

7. Transporter 2 (Company Name)
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Telephone ( )

9. Designated Facility Name and Site Address
CECOS International Inc.
5600 Niagara Falls Blvd.
Niagara Falls, NY 14303
10. US EPA ID Number NYD080336241
G. State Facility ID
H. Facility Telephone (716) 282-2676

GENERATOR

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, Waste, Environmentally Hazardous Substance Liquid, 9, n.o.s., UN3082, PGIII, Multi-Source Leachate, ~~F049~~ F039, (Benzene, Toluene, Xylene)	001	TT	EST 05000	G	EPA F039 STATE
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials listed Above
a. Water 99% Toluene 0.00045% Xylene 0.0011%, Benzene 0.00007%
b.
c.
d.

K. Handling Codes for Wastes Listed Above
a. T
b.
c.
d.

15. Special Handling Instructions and Additional Information
Emergency Response Refer to ERG-171
24-Hr COntact: 800-677-8003
Product Code: XXXX 12451-AAB
Work Order No.: 286488

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.
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Printed/Typed Name: Martin Koennecke (as agent for PAS Site Participation Agreement Parties) | Signature: Martin Koennecke | Mo. 05 Day 05 Year 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Hatley Krasny | Signature: Hatley Krasny | Mo. 05 Day 05 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Mo. Day Year

FACILITY

19. Discrepancy Indication Space
Quantity received 40,120 lbs

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Tim Clark | Signature: Tim Clark | Mo. 05 Day 05 Year 04

COPY 5—Generator—Mailed by TSD Facility

NYG 2786625

Please type or print. Do not staple

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST

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

(Hazardous Waste Manifest 1/5/99)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NYD000511659
Manifest Doc. No.: 00102
2. Page 1 of 1
Information within heavy bold line is not required by Federal Law.

3. Generator's Name and Mailing Address:
PAS Oswego Site Participation Agreement Parties
c/o O'Brien & Gere Inc., of North America
5000 Brittonfield Pkwy., E. Syracuse, NY 13057

4. Generator's Telephone Number (315) 437-6100

A. NYG 2786625

B. Generator's ID: Pollution Abatement Service Site E. Seneca St., Oswego, NY 13126

5. Transporter 1 (Company Name): Buffalo Fuel Corp.
6. US EPA ID Number: NYR000045724

C. State Transporter's ID: AC25489NY
D. Transporter's Telephone (800) 677-8003

7. Transporter 2 (Company Name):
8. US EPA ID Number:

E. State Transporter's ID
F. Transporter's Telephone ( )

9. Designated Facility Name and Site Address:
CECOS International Inc.
5600 Niagara Falls Blvd.
Niagra Falls, NY 14303

10. US EPA ID Number: NYD080336241

G. State Facility ID
H. Facility Telephone (716) 282-2676

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, Waste, Environmentally Hazardous Substance, Liquid, 9, nos, UN3082, PGIII, Multi-Source Leachate, F039 (Benzene, Toluene, Xylene)	001	TT	EST. 05000	G	EPA F039 / STATE
b.					EPA / STATE
c					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials listed Above
a. Water 99%, Toluene 0.00045% Xylene 0.0011%, Benzene 0.00007%
b.
c.
d.

K. Handling Codes for Wastes Listed Above
a. T
b.
c.
d.

15. Special Handling Instructions and Additional Information

Emergency Response Refer to ERG-171
24-Hr. Contact: 800-677-8003

Product Code: 12451-AAB
Work Order No.: 286532

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Martin Koennecke (as agent for PAS Site Participation)
Signature: [signature]
Mo. Day Year: 06 09 04

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Hartley Kenny
Signature: [signature]
Mo. Day Year: 06 09 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Mo. Day Year

19. Discrepancy Indication Space
Quantity Received 41,200 lbs

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Michael J. Caltan
Signature: [signature]
Mo. Day Year: 06 09 04

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

GENERATOR / TRANSPORTER / FACILITY

COPY 5—Generator—Mailed by TSD Facility

NYG 2786616

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST

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

Please type or print. Do not staple

(Hazardous Waste Manifest 1/5/99)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Doc. No.	2. Page 1 of	Information within heavy bold line is not required by Federal Law.
NYD000511659	00101	1	

3. Generator's Name and Mailing Address
PAS Oswego Site Participation Agreement Parties
c/o O'Brien & Gere Inc., of North America
5000 Brittonfield Pkwy., E. Syracuse, NY 13057

4. Generator's Telephone Number (315) 437-6100

A. NYG 2786616

B. Generator's ID
Pollution Abatement Services
E. Seneca St., Oswego, NY 13126

5. Transporter 1 (Company Name)	6. US EPA ID Number
Buffalo Fuel Corp.	NYR000064574

C. State Transporter's ID AC 25484 NY

D. Transporter's Telephone (800) 677-8003

7. Transporter 2 (Company Name)	8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Telephone ( )

9. Designated Facility Name and Site Address	10. US EPA ID Number
CECOS International Inc. 5600 Niagara Falls Blvd. Niagara Falls, NY 14303	NYD080536241

G. State Facility ID

H. Facility Telephone (716) 282-2676

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, Waste, Environmentally Hazardous Substance Liquid, 9, NA9188, UN3082, PGIII, Multi-Source Leachate, F039 (benzene, toluene, xylene)	001	TT	05000 CST	G	EPA F039 STATE
b.					EPA STATE
c					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials listed Above
a. Water 99% Toluene 0.00045% Xylene 0.0011%, Benzene 0.00007% c.

b. d.

K. Handling Codes for Wastes Listed Above
a. T c.
b. d.

15. Special Handling Instructions and Additional Information
Emergency Response Refer to ERG-171
24-Hr. Contact: 800-677-8003

Product Code: 12451-AAB
Work Order No1: 286531

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Mo.	Day	Year
Martin Koennecke (as agent for PAS Site Participation)		06	09	04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year
Donald K Straight		06	07	04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year

FACILITY

19. Discrepancy Indication Space
Quantity Received 43,140 lbs

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Mo.	Day	Year
Michael J. Calter		06	09	04

GENERATOR

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

COPY 5—Generator—Mailed by TSD Facility

ATTACHMENT D-4

WASTE TREATMENT/DISPOSAL CERTIFICATIONS

CECOS
56th Street & Niagara Falls Blvd
Niagara Falls NY 14304 (716)282-2676

000100
BEE GENERATOR
P O BOX 344 LPO
NIAGARA FALLS, NY 14304-0344

Contract: SPC

SITE	TICKET	GRID
22	150083	

WEIGHMASTER: AL

DATE IN	TIME IN
7 April 2004	1:24 pm
DATE OUT	**TIME OUT**
7 April 2004	3:17 pm

VEHICLE: CEC-471 ROLL OFF:

REFERENCE: ORIGIN: Inbound - NEW YORK

00 Gross Weight 73,880.00 LB
Tare Weight 33,320.00 LB
Net Weight 40,560.00 LB 20.28 TN

BUFFALO FUEL

CECOS

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
20.28 TN	S1	Special Waste				

CWA 28646

NET AMOUNT	
TENDERED	
CHANGE	
CHECK NO.	

THINK BEFORE YOU ACT

SIGNATURE

Post-it™ brand fax transmittal memo 7671 # of pages ▸ 1

To	From
D. Davis	R. Carlson
Co. DEC	Co. CECOS
Dept.	Phone #
Fax # (315) 463-7440	Fax # (716) 282-6073

CECOS
56th Street & Niagara Falls Blvd
Niagara Falls NY 14304 (716)282-2676

000100
SEE GENERATOR
P O BOX 344 LPO
NIAGARA FALLS, NY 14304-0344

Contract: SPC

SITE	TICKET	GRID
22	150073	

WEIGHMASTER: AL

DATE IN	TIME IN
7 April 2004	1:21 pm
DATE OUT	TIME OUT
7 April 2004	2:47 pm

VEHICLE	ROLL OFF
CEC-476	

REFERENCE	ORIGIN
	Inbound - NEW YORK

00 Gross Weight 71,000.00 LB
Tare Weight 30,060.00 LB
Net Weight 40,940.00 LB 20.47 TN

BUFFALO FUEL
CECOS

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
20.47 TN	S1	Special Waste				

THINK BEFORE YOU ACT

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SIGNATURE

CECOS
56th Street & Niagara Falls Blvd
Niagara Falls NY 14304 (716)282-2676

00100
SEE GENERATOR
P O BOX 344 LPO
NIAGARA FALLS, NY 14304-0344

Contract: SPC

SITE	TICKET	GRID
ZZ	153779	

WEIGHMASTER: AL

DATE IN	TIME IN
5 May 2004	1:11 pm
DATE OUT	**TIME OUT**
5 May 2004	3:19 pm
VEHICLE	**ROLL OFF**
CEC-458	
REFERENCE	**ORIGIN**
	Inbound - NEW YORK

00 Gross Weight 76,280.00 LB
Tare Weight 36,160.00 LB
Net Weight 40,120.00 LB 20.06 TN

BUFFAO FUEL CORP

CECOS

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
20.06 TN	S1	Special Waste				

SG1.01

WO# 280488

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

THINK BEFORE YOU ACT

SIGNATURE Kathy Keeney

CECOS
56th Street & Niagara Falls Blvd
Niagara Falls NY 14304 (716)282-2676

00100
SEE GENERATOR
P O BOX 344 LPO
NIAGARA FALLS, NY 14304-0344

Contract: SPC

SITE	TICKET	GRID
ZZ	153773	

WEIGHMASTER: AL

DATE IN	TIME IN
5 May 2004	1:11 pm
DATE OUT	**TIME OUT**
5 May 2004	2:48 pm
VEHICLE	**ROLL OFF**
CEC-470	
REFERENCE	**ORIGIN**
	Inbound - NEW YORK

00 Gross Weight 80,320.00 LB
Tare Weight 32,780.00 LB
Net Weight 47,540.00 LB 23.77 TN

BUFFALO FUEL CORP

CECOS

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
23.77 TN	S1	Special Waste				

S6101 WO#286489

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

THINK BEFORE YOU ACT

SIGNATURE X

CECOS
56th Street & Niagara Falls Blvd
Niagara Falls NY 14304 (716)282-2676

SITE	TICKET	GRID
ZZ	158470	

WEIGHMASTER: AL

DATE IN	TIME IN
9 June 2004	1:38 pm

DATE OUT	TIME OUT
9 June 2004	3:35 pm

VEHICLE	ROLL OFF
CEC-458	

REFERENCE	ORIGIN
	Inbound - NEW YORK

00100
SEE GENERATOR
P O BOX 344 LPO
NIAGARA FALLS, NY 14304-0344

Contract: SPC

00 Gross Weight 78,700.00 LB
Tare Weight 37,500.00 LB
Net Weight 41,200.00 LB 20.60 TN

BUFFALO FUEL

CECOS

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
20.60 TN	S1	Special Waste (WO# 28653)				
561.01						

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

THINK BEFORE YOU ACT

SIGNATURE x [signature]

CECOS
56th Street & Niagara Falls Blvd
Niagara Falls NY 14304 (716)282-2676

SITE	TICKET	GRID
ZZ	158471	

WEIGHMASTER: AL

DATE IN	TIME IN
9 June 2004	1:41 pm

DATE OUT	TIME OUT
9 June 2004	3:35 pm

VEHICLE	ROLL OFF
CEC-8702	

REFERENCE	ORIGIN
	Inbound - NEW YORK

)0100
SEE GENERATOR
P O BOX 344 LFO
NIAGARA FALLS, NY 14304-0344

Contract: SPC

00 Gross Weight 74,160.00 LB
Tare Weight 31,020.00 LB
Net Weight 43,140.00 LB 21.57 TN

BUFFALO FUEL

CECOS

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
21.57 TN	S1	Special Waste				
SG1.01		(60*28531)				

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

THINK BEFORE YOU ACT

SIGNATURE X [signature]

ATTACHMENT D-5

SEMI-ANNUAL MONITORING LAB RESULTS
MAY 2004

Laboratory Report

O'Brien & Gere Inc. of North America
PAS Site
Oswego, NY
Water Samples
SDG 7823

Volume 1 of 1

May 3 and 4, 2004

O'BRIEN & GERE
LABORATORIES, INC.

ANALYTICAL PACKAGE

for

O'Brien & Gere Inc. of North America
PAS Site
Oswego, NY
Water Samples

Water samples collected: May 3 and 4, 2004

Volume 1 of 1

Prepared for:

O'Brien & Gere Inc.of North America
P.O. Box 5240
Syracuse, NY 13221-5240

Prepared by:

O'Brien & Gere Laboratories, Inc.
5000 Brittonfield Parkway
Suite 300, P.O. Box 4942
Syracuse, NY 13221

Authorized _____

Date 6.1.04

Reviewed _____

Date 6-2-04

Laboratory Report

Project Management Case Narrative

INTRODUCTION/ANALYTICAL RESULTS

This report summarizes the laboratory results for O'Brien & Gere Inc. of North America samples from the PAS site located in Oswego, NY. Samples were delivered to O'Brien & Gere Laboratories, Inc. in Syracuse, NY for analysis. Immediately following the narrative is the Cross Reference Table that lists the site descriptions, sample numbers, date(s) collected, date(s) received, package number(s).

CONDITION UPON RECEIPT/CHAIN OF CUSTODY

The cooler(s) were received intact. When the cooler(s) were received by the laboratory, the sample custodian(s) opened and inspected the shipment(s) for damage, custody inconsistencies and proper preservation. Chains of custody documenting receipt are presented in the chain of custody section. Each sample was assigned a unique laboratory number and a custody file created. The samples were placed in a secured walk-in cooler and signed in and out by the chemists performing the tests. The sign out record, or lab chronicle, is presented in the chain of custody section.

No discrepancies were noted upon receipt. The hand-delivered cooler temperature was 5.6°C.

METHODOLOGY

The following methods were used to perform the analyses:

PARAMETER	METHOD	REFERENCE
Volatile Organics	8260B	1
Biochemical Oxygen Demand	405.1	2
Chemical Oxygen Demand	410.4	2
Total Dissolved Solids	160.1	2
Total Organic Carbon	415.1	2
Total Suspended Solids	160.2	2

1) Test Methods for Evaluating Solid Wastes, SW-846 Third Edition, Final Update III, December 1996.

2) Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, 1983.

QUALITY CONTROL

QA/QC results are summarized in the Laboratory Report Package and are also included in the raw data.

RAW DATA

The raw data is organized in a format similar to the US EPA Contract Laboratory Program order of data requirements.

GC/MS Volatile Organics Case Narrative

Client:	O'Brien & Gere Inc. of North America
Job Number:	3027.333.32301
Package #:	7823
Methodology:	8260B

Analyzed/Reviewed by (Initials/Date): SG 5-17-04

Supervisor/Reviewed by (Initials/Date): @ 5-20-04

QA/QC Review (Initials/Date): A 5-20-04

File Name: C:\Documents MS3\Narratives\7823vnar.doc

GC/MS Volatile Organics
The GC/MS Volatile instruments used a Restek Rtx-VMS, 40 m x 0.18 mm ID capillary column and a Vocarb 3000 trap.

There were no excursions to note. All QC results were within established control limits.

Holding Times and Sample Preservation
All samples were prepared and analyzed within the method and/or QAPP specified holding time requirements. Samples had a pH of < 2.

Laboratory Control Sample
All spike recoveries met method and/or project specific QC criteria.

MS/MSD/MSB
All spike recovery and RPD data met method and/or project specific QC criteria.

Surrogate Standards
All surrogate standard recoveries met method and/or project specific QC criteria.

Internal Standards
All internal standard areas met method and/or project specific QC criteria.

Calibrations
All initial calibrations and calibration verifications met method and/or project specific QC criteria.

Preparation Blanks
All preparation blanks met method and/or project specific QC criteria.

Wet Chemistry Case Narrative

Client:	O'Brien & Gere Inc. of North America
Job Number:	3027.333.32301
Package #:	7823
Methodology:	BOD 5 – EPA 405.1 COD – EPA 410.4 Total dissolved solids – EPA 160.1 Total organic carbon – EPA 415.1 Total suspended solids – EPA 160.2

Analyzed/Reviewed by (Date/Initials): 5-25-04 MM

Supervisor/Reviewed by (Date/Initials): 5-25-04 MM

QA/QC Review (Date/Initials): 5-25-04 AL

Wet Chemistry

There were no excursions to note. All QC results were within established control limits.

CROSS REFERENCE TABLE

Site	Sample Number	Date Collected	Date Time	Received	Package
EQUIPMENT BLANK	B9393	05/03/2004		05/04/2004	7823
LR-8	B9394	05/03/2004		05/04/2004	7823
M-21	B9395	05/03/2004		05/04/2004	7823
LR-6	B9396	05/04/2004		05/04/2004	7823
LCW-2	B9397 D	05/04/2004	09:00	05/04/2004	7823
LCW-2	B9397 MS	05/04/2004	09:00	05/04/2004	7823
LCW-2	B9397	05/04/2004	09:00	05/04/2004	7823
LCW-4	B9398	05/04/2004	09:30	05/04/2004	7823
M-26	B9399 MS	05/04/2004		05/04/2004	7823
M-26	B9399 MSD	05/04/2004		05/04/2004	7823
M-26	B9399	05/04/2004		05/04/2004	7823
M-25	B9400	05/04/2004		05/04/2004	7823
QC Trip Blank	B9401	05/03/2004		05/04/2004	7823

Analytical Results

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8260

ient: O'Brien & Gere Inc. of North America
Project: PAS Site - Oswego, NY
Proj. Desc:
Package#: 7823
Sample: B9393
Sample Description: EQUIPMENT BLANK
Instrument: HP5973 GCMS#3
Units: ug/L
Number of analytes: 48

Job No.: 3027.333.32301
Certification NY No.: 10155

Collected: 05/03/04
Received: 05/04/04
Prepared: 05/07/04

Matrix: Water
QC Batch: 050704W3
%Solids:
Sample Size: 10 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed Notes
Dichlorodifluoromethane	<1.0	U	.026	1.0	05/07/04
Chloromethane	<1.0	U	.036	1.0	05/07/04
Vinyl chloride	<1.0	U	.023	1.0	05/07/04
Bromomethane	<1.0	U	.037	1.0	05/07/04
Chloroethane	<1.0	U	.043	1.0	05/07/04
Trichlorofluoromethane	<1.0	U	.018	1.0	05/07/04
Acetone	<10.	U	.17	10.	05/07/04
1,1-Dichloroethene	<.50	U	.025	.50	05/07/04
Methylene chloride	<2.0	U	.055	2.0	05/07/04
Carbon disulfide	<.50	U	.030	.50	05/07/04
trans-1,2-Dichloroethene	<.50	U	.037	.50	05/07/04
Methyl tert-butyl ether	<.50	U	.019	.50	05/07/04
1,1-Dichloroethane	<.50	U	.017	.50	05/07/04
2-Butanone	<10.	U	.088	10.	05/07/04
cis-1,2-Dichloroethene	<.50	U	.021	.50	05/07/04
Chloroform	<.50	U	.015	.50	05/07/04
1,2-Dichloroethane	<.50	U	.029	.50	05/07/04
1,1,1-Trichloroethane	<.50	U	.021	.50	05/07/04
Carbon tetrachloride	<.50	U	.019	.50	05/07/04
Benzene	<.50	U	.032	.50	05/07/04
1,2-Dichloropropane	<.50	U	.037	.50	05/07/04
Trichloroethene	<.50	U	.029	.50	05/07/04
Bromodichloromethane	<.50	U	.013	.50	05/07/04
cis-1,3-Dichloropropene	<.50	U	.016	.50	05/07/04
4-Methyl-2-pentanone	<5.0	U	.32	5.0	05/07/04
trans-1,3-Dichloropropene	<.50	U	.022	.50	05/07/04
1,1,2-Trichloroethane	<.50	U	.035	.50	05/07/04
Toluene	<.50	U	.038	.50	05/07/04
Dibromochloromethane	<.50	U	.018	.50	05/07/04
2-Hexanone	<5.0	U	.078	5.0	05/07/04
1,2-Dibromoethane	<.50	U	.032	.50	05/07/04
Tetrachloroethene	<.50	U	.033	.50	05/07/04
Chlorobenzene	<.50	U	.033	.50	05/07/04

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: May 7, 2004

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#: 7823
Sample: B9393
Sample Description: EQUIPMENT BLANK
Instrument: HP5973 GCMS#3
Units: ug/L
Number of analytes: 48

Job No.: 3027.333.32301
Certification NY No.: 10155

Collected: 05/03/04
Received: 05/04/04
Prepared: 05/07/04

Matrix: Water
QC Batch: 050704W3
%Solids:
Sample Size: 10 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Ethylbenzene	<.50	U	.020	.50	05/07/04	
Bromoform	<.50	U	.035	.50	05/07/04	
Xylene (total)	<.50	U	.046	.50	05/07/04	
Styrene	<.50	U	.018	.50	05/07/04	
1,1,2,2-Tetrachloroethane	<.50	U	.063	.50	05/07/04	
Isopropylbenzene	<.50	U	.020	.50	05/07/04	
1,3-Dichlorobenzene	<.50	U	.020	.50	05/07/04	
1,4-Dichlorobenzene	<.50	U	.025	.50	05/07/04	
1,2-Dichlorobenzene	<.50	U	.040	.50	05/07/04	
1,2-Dibromo-3-chloropropane	<1.0	U	.15	1.0	05/07/04	
1,2,4-Trichlorobenzene	<1.0	U	.035	1.0	05/07/04	
1,1,2-Trichloro-1,2,2-trifluoroethane	<.50	U	.026	.50	05/07/04	
Methyl acetate	<.50	U	.12	.50	05/07/04	
Cyclohexane	<.50	U	.018	.50	05/07/04	
Methylcyclohexane	<.50	U	.032	.50	05/07/04	

Surrogate	%R	Qual	%R Limits
Dibromofluoromethane (surrogate)	111		78-120
1,2-Dichloroethane-d4 (surrogate)	106		71-126
Toluene-d8 (surrogate)	94		80-120
Bromofluorobenzene (surrogate)	91		78-120

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized: Thomas A Alexander
Date: May 7, 2004 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#: 7823
Sample: B9394
Sample Description: LR-8
Instrument: HP5973 GCMS#3
Units: ug/L
Number of analytes: 48

Job No.: 3027.333.32301
Certification NY No.: 10155

Collected: 05/03/04
Received: 05/04/04
Prepared: 05/06/04

Matrix: Water
QC Batch: 050604W3
%Solids:
Sample Size: 10 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed Notes
Dichlorodifluoromethane	<1.0	U	.026	1.0	05/06/04
Chloromethane	<1.0	U	.036	1.0	05/06/04
Vinyl chloride	<1.0	U	.023	1.0	05/06/04
Bromomethane	<1.0	U	.037	1.0	05/06/04
Chloroethane	3.0		.043	1.0	05/06/04
Trichlorofluoromethane	<1.0	U	.018	1.0	05/06/04
Acetone	<10.	U	.17	10.	05/06/04
1,1-Dichloroethene	<.50	U	.025	.50	05/06/04
Methylene chloride	<2.0	U	.055	2.0	05/06/04
Carbon disulfide	<.50	U	.030	.50	05/06/04
trans-1,2-Dichloroethene	<.50	U	.037	.50	05/06/04
Methyl tert-butyl ether	<.50	U	.019	.50	05/06/04
1,1-Dichloroethane	<.50	U	.017	.50	05/06/04
2-Butanone	<10.	U	.088	10.	05/06/04
cis-1,2-Dichloroethene	<.50	U	.021	.50	05/06/04
Chloroform	<.50	U	.015	.50	05/06/04
1,2-Dichloroethane	<.50	U	.029	.50	05/06/04
1,1,1-Trichloroethane	<.50	U	.021	.50	05/06/04
Carbon tetrachloride	<.50	U	.019	.50	05/06/04
Benzene	J .33	J	.032	.50	05/06/04
1,2-Dichloropropane	<.50	U	.037	.50	05/06/04
Trichloroethene	<.50	U	.029	.50	05/06/04
Bromodichloromethane	<.50	U	.013	.50	05/06/04
cis-1,3-Dichloropropene	<.50	U	.016	.50	05/06/04
4-Methyl-2-pentanone	<5.0	U	.32	5.0	05/06/04
trans-1,3-Dichloropropene	<.50	U	.022	.50	05/06/04
1,1,2-Trichloroethane	<.50	U	.035	.50	05/06/04
Toluene	<.50	U	.038	.50	05/06/04
Dibromochloromethane	<.50	U	.018	.50	05/06/04
2-Hexanone	<5.0	U	.078	5.0	05/06/04
1,2-Dibromoethane	<.50	U	.032	.50	05/06/04
Tetrachloroethene	<.50	U	.033	.50	05/06/04
Chlorobenzene	<.50	U	.033	.50	05/06/04

Thomas A Alexander

Authorized: _____
Date: May 7, 2004 Thomas Alexander

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

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#: 7823
Sample: B9394
Sample Description: LR-8
Instrument: HP5973 GCMS#3
Units: ug/L
Number of analytes: 48

Job No.: 3027.333.32301
Certification NY No.: 10155

Collected: 05/03/04
Received: 05/04/04
Prepared: 05/06/04

Matrix: Water
QC Batch: 050604W3
%Solids:
Sample Size: 10 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Ethylbenzene	<.50	U	.020	.50	05/06/04	
Bromoform	<.50	U	.035	.50	05/06/04	
Xylene (total)	<.50	U	.046	.50	05/06/04	
Styrene	<.50	U	.018	.50	05/06/04	
1,1,2,2-Tetrachloroethane	<.50	U	.063	.50	05/06/04	
Isopropylbenzene	<.50	U	.020	.50	05/06/04	
1,3-Dichlorobenzene	<.50	U	.020	.50	05/06/04	
1,4-Dichlorobenzene	<.50	U	.025	.50	05/06/04	
1,2-Dichlorobenzene	<.50	U	.040	.50	05/06/04	
1,2-Dibromo-3-chloropropane	<1.0	U	.15	1.0	05/06/04	
1,2,4-Trichlorobenzene	<1.0	U	.035	1.0	05/06/04	
1,1,2-Trichloro-1,2,2-trifluoroethane	<.50	U	.026	.50	05/06/04	
Methyl acetate	<.50	U	.12	.50	05/06/04	
Cyclohexane	<.50	U	.018	.50	05/06/04	
Methylcyclohexane	<.50	U	.032	.50	05/06/04	

Surrogate	%R	Qual	%R Limits
Dibromofluoromethane (surrogate)	107		78-120
1,2-Dichloroethane-d4 (surrogate)	105		71-126
Toluene-d8 (surrogate)	93		80-120
Bromofluorobenzene (surrogate)	88		78-120

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: May 7, 2004

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#: 7823
Sample: B9395
Sample Description: M-21
Instrument: HP5973 GCMS#3
Units: ug/L
Number of analytes: 48

Job No.: 3027.333.32301
Certification NY No.: 10155

Collected: 05/03/04
Received: 05/04/04
Prepared: 05/06/04

Matrix: Water
QC Batch: 050604W3
%Solids:
Sample Size: 10 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Dichlorodifluoromethane	<1.0	U	.026	1.0	05/06/04	
Chloromethane	<1.0	U	.036	1.0	05/06/04	
Vinyl chloride	<1.0	U	.023	1.0	05/06/04	
Bromomethane	<1.0	U	.037	1.0	05/06/04	
Chloroethane	2.5		.043	1.0	05/06/04	
Trichlorofluoromethane	<1.0	U	.018	1.0	05/06/04	
Acetone	<10.	U	.17	10.	05/06/04	
1,1-Dichloroethene	<.50	U	.025	.50	05/06/04	
Methylene chloride	<2.0	U	.055	2.0	05/06/04	
Carbon disulfide	<.50	U	.030	.50	05/06/04	
trans-1,2-Dichloroethene	<.50	U	.037	.50	05/06/04	
Methyl tert-butyl ether	<.50	U	.019	.50	05/06/04	
1,1-Dichloroethane	<.50	U	.017	.50	05/06/04	
2-Butanone	<10.	U	.088	10.	05/06/04	
cis-1,2-Dichloroethene	<.50	U	.021	.50	05/06/04	
Chloroform	<.50	U	.015	.50	05/06/04	
1,2-Dichloroethane	<.50	U	.029	.50	05/06/04	
1,1,1-Trichloroethane	<.50	U	.021	.50	05/06/04	
Carbon tetrachloride	<.50	U	.019	.50	05/06/04	
Benzene	5.5		.032	.50	05/06/04	
1,2-Dichloropropane	<.50	U	.037	.50	05/06/04	
Trichloroethene	<.50	U	.029	.50	05/06/04	
Bromodichloromethane	<.50	U	.013	.50	05/06/04	
cis-1,3-Dichloropropene	<.50	U	.016	.50	05/06/04	
4-Methyl-2-pentanone	<5.0	U	.32	5.0	05/06/04	
trans-1,3-Dichloropropene	<.50	U	.022	.50	05/06/04	
1,1,2-Trichloroethane	<.50	U	.035	.50	05/06/04	
Toluene	J .27	J	.038	.50	05/06/04	
Dibromochloromethane	<.50	U	.018	.50	05/06/04	
2-Hexanone	<5.0	U	.078	5.0	05/06/04	
1,2-Dibromoethane	<.50	U	.032	.50	05/06/04	
Tetrachloroethene	<.50	U	.033	.50	05/06/04	
Chlorobenzene	2.1		.033	.50	05/06/04	

Authorized: Thomas A Alexander
Date: May 7, 2004 Thomas Alexander

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

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#: 7823
Sample: B9395
Sample Description: M-21
Instrument: HP5973 GCMS#3
Units: ug/L
Number of analytes: 48

Job No.: 3027.333.32301
Certification NY No.: 10155

Collected: 05/03/04
Received: 05/04/04
Prepared: 05/06/04

Matrix: Water
QC Batch: 050604W3
%Solids:
Sample Size: 10 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Ethylbenzene	<.50	U	.020	.50	05/06/04	
Bromoform	<.50	U	.035	.50	05/06/04	
Xylene (total)	<.50	U	.046	.50	05/06/04	
Styrene	<.50	U	.018	.50	05/06/04	
1,1,2,2-Tetrachloroethane	<.50	U	.063	.50	05/06/04	
Isopropylbenzene	.69		.020	.50	05/06/04	
1,3-Dichlorobenzene	<.50	U	.020	.50	05/06/04	
1,4-Dichlorobenzene	J .15	J	.025	.50	05/06/04	
1,2-Dichlorobenzene	J .31	J	.040	.50	05/06/04	
1,2-Dibromo-3-chloropropane	<1.0	U	.15	1.0	05/06/04	
1,2,4-Trichlorobenzene	<1.0	U	.035	1.0	05/06/04	
1,1,2-Trichloro-1,2,2-trifluoroethane	<.50	U	.026	.50	05/06/04	
Methyl acetate	<.50	U	.12	.50	05/06/04	
Cyclohexane	.76		.018	.50	05/06/04	
Methylcyclohexane	<.50	U	.032	.50	05/06/04	

Surrogate	%R	Qual	%R Limits
Dibromofluoromethane (surrogate)	106		78-120
1,2-Dichloroethane-d4 (surrogate)	105		71-126
Toluene-d8 (surrogate)	92		80-120
Bromofluorobenzene (surrogate)	92		78-120

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized: Thomas A Alexander
Date: May 7, 2004 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#: 7823
Sample: B9396
Sample Description: LR-6
Instrument: HP5973 GCMS#3
Units: ug/L
Number of analytes: 48

Job No.: 3027.333.32301
Certification NY No.: 10155

Collected: 05/04/04
Received: 05/04/04
Prepared: 05/06/04

Matrix: Water
QC Batch: 050604W3
%Solids:
Sample Size: 10 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed Notes
Dichlorodifluoromethane	<1.0	U	.026	1.0	05/06/04
Chloromethane	<1.0	U	.036	1.0	05/06/04
Vinyl chloride	<1.0	U	.023	1.0	05/06/04
Bromomethane	<1.0	U	.037	1.0	05/06/04
Chloroethane	<1.0	U	.043	1.0	05/06/04
Trichlorofluoromethane	<1.0	U	.018	1.0	05/06/04
Acetone	<10.	U	.17	10.	05/06/04
1,1-Dichloroethene	<.50	U	.025	.50	05/06/04
Methylene chloride	<2.0	U	.055	2.0	05/06/04
Carbon disulfide	<.50	U	.030	.50	05/06/04
trans-1,2-Dichloroethene	<.50	U	.037	.50	05/06/04
Methyl tert-butyl ether	<.50	U	.019	.50	05/06/04
1,1-Dichloroethane	2.1		.017	.50	05/06/04
2-Butanone	<10.	U	.088	10.	05/06/04
cis-1,2-Dichloroethene	<.50	U	.021	.50	05/06/04
Chloroform	<.50	U	.015	.50	05/06/04
1,2-Dichloroethane	<.50	U	.029	.50	05/06/04
1,1,1-Trichloroethane	<.50	U	.021	.50	05/06/04
Carbon tetrachloride	<.50	U	.019	.50	05/06/04
Benzene	<.50	U	.032	.50	05/06/04
1,2-Dichloropropane	<.50	U	.037	.50	05/06/04
Trichloroethene	<.50	U	.029	.50	05/06/04
Bromodichloromethane	<.50	U	.013	.50	05/06/04
cis-1,3-Dichloropropene	<.50	U	.016	.50	05/06/04
4-Methyl-2-pentanone	<5.0	U	.32	5.0	05/06/04
trans-1,3-Dichloropropene	<.50	U	.022	.50	05/06/04
1,1,2-Trichloroethane	<.50	U	.035	.50	05/06/04
Toluene	<.50	U	.038	.50	05/06/04
Dibromochloromethane	<.50	U	.018	.50	05/06/04
2-Hexanone	<5.0	U	.078	5.0	05/06/04
1,2-Dibromoethane	<.50	U	.032	.50	05/06/04
Tetrachloroethene	<.50	U	.033	.50	05/06/04
Chlorobenzene	<.50	U	.033	.50	05/06/04

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized: Thomas A Alexander
Date: May 7, 2004 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#: 7823
Sample: B9396
Sample Description: LR-6
Instrument: HP5973 GCMS#3
Units: ug/L
Number of analytes: 48

Job No.: 3027.333.32301
Certification NY No.: 10155

Collected: 05/04/04
Received: 05/04/04
Prepared: 05/06/04

Matrix: Water
QC Batch: 050604W3
%Solids:
Sample Size: 10 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed Notes
Ethylbenzene	<.50	U	.020	.50	05/06/04
Bromoform	<.50	U	.035	.50	05/06/04
Xylene (total)	<.50	U	.046	.50	05/06/04
Styrene	<.50	U	.018	.50	05/06/04
1,1,2,2-Tetrachloroethane	<.50	U	.063	.50	05/06/04
Isopropylbenzene	<.50	U	.020	.50	05/06/04
1,3-Dichlorobenzene	<.50	U	.020	.50	05/06/04
1,4-Dichlorobenzene	<.50	U	.025	.50	05/06/04
1,2-Dichlorobenzene	<.50	U	.040	.50	05/06/04
1,2-Dibromo-3-chloropropane	<1.0	U	.15	1.0	05/06/04
1,2,4-Trichlorobenzene	<1.0	U	.035	1.0	05/06/04
1,1,2-Trichloro-1,2,2-trifluoroethane	<.50	U	.026	.50	05/06/04
Methyl acetate	<.50	U	.12	.50	05/06/04
Cyclohexane	<.50	U	.018	.50	05/06/04
Methylcyclohexane	<.50	U	.032	.50	05/06/04

Surrogate	%R	Qual	%R Limits
Dibromofluoromethane (surrogate)	107		78-120
1,2-Dichloroethane-d4 (surrogate)	106		71-126
Toluene-d8 (surrogate)	94		80-120
Bromofluorobenzene (surrogate)	87		78-120

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized: Thomas A Alexander
Date: May 7, 2004 Thomas Alexander

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

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8260

lient: O'Brien & Gere Inc. of North America
Project: PAS Site - Oswego, NY
Proj. Desc:
Package#: 7823
Sample: B9397
Sample Description: LCW-2
Instrument: HP5973 GCMS#3
Units: ug/L
Number of analytes: 48

Job No.: 3027.333.32301
Certification NY No.: 10155

Collected: 05/04/04
Received: 05/04/04
Prepared: 05/07/04

Matrix: Water
QC Batch: 050704W3
%Solids:
Sample Size: 10 mL
Dilution: 20

Parameter	Result	Qual	MDL	PQL	Analyzed Notes
Dichlorodifluoromethane	<20.	U	.52	20.	05/07/04
Chloromethane	<20.	U	.72	20.	05/07/04
Vinyl chloride	25.		.46	20.	05/07/04
Bromomethane	<20.	U	.74	20.	05/07/04
Chloroethane	29.		.86	20.	05/07/04
Trichlorofluoromethane	<20.	U	.36	20.	05/07/04
Acetone	J 26.	J	3.4	200.	05/07/04
1,1-Dichloroethene	<10.	U	.50	10.	05/07/04
Methylene chloride	<40.	U	1.1	40.	05/07/04
Carbon disulfide	<10.	U	.60	10.	05/07/04
trans-1,2-Dichloroethene	<10.	U	.74	10.	05/07/04
Methyl tert-butyl ether	<10.	U	.38	10.	05/07/04
1,1-Dichloroethane	27.		.34	10.	05/07/04
2-Butanone	<200.	U	1.8	200.	05/07/04
cis-1,2-Dichloroethene	44.		.42	10.	05/07/04
Chloroform	<10.	U	.30	10.	05/07/04
1,2-Dichloroethane	J 3.2	J	.58	10.	05/07/04
1,1,1-Trichloroethane	J 5.7	J	.42	10.	05/07/04
Carbon tetrachloride	<10.	U	.38	10.	05/07/04
Benzene	230.		.64	10.	05/07/04
1,2-Dichloropropane	<10.	U	.74	10.	05/07/04
Trichloroethene	23.		.58	10.	05/07/04
Bromodichloromethane	<10.	U	.26	10.	05/07/04
cis-1,3-Dichloropropene	<10.	U	.32	10.	05/07/04
4-Methyl-2-pentanone	J 31.	J	6.5	100.	05/07/04
trans-1,3-Dichloropropene	<10.	U	.44	10.	05/07/04
1,1,2-Trichloroethane	<10.	U	.70	10.	05/07/04
Toluene	110.		.76	10.	05/07/04
Dibromochloromethane	<10.	U	.36	10.	05/07/04
2-Hexanone	<100.	U	1.6	100.	05/07/04
1,2-Dibromoethane	<10.	U	.64	10.	05/07/04
Tetrachloroethene	13.		.66	10.	05/07/04
Chlorobenzene	120.		.66	10.	05/07/04

Authorized: Thomas A Alexander
Date: May 7, 2004 Thomas Alexander

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

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#: 7823
Sample: B9397
Sample Description: LCW-2
Instrument: HP5973 GCMS#3
Units: ug/L
Number of analytes: 48

Job No.: 3027.333.32301
Certification NY No.: 10155

Collected: 05/04/04
Received: 05/04/04
Prepared: 05/07/04

Matrix: Water
QC Batch: 050704W3
%Solids:
Sample Size: 10 mL
Dilution: 20

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Ethylbenzene	430.		.40	10.	05/07/04	
Bromoform	<10.	U	.70	10.	05/07/04	
Xylene (total)	760.		.92	10.	05/07/04	
Styrene	<10.	U	.36	10.	05/07/04	
1,1,2,2-Tetrachloroethane	J 4.0	J	1.3	10.	05/07/04	
Isopropylbenzene	J 6.5	J	.40	10.	05/07/04	
1,3-Dichlorobenzene	<10.	U	.40	10.	05/07/04	
1,4-Dichlorobenzene	<10.	U	.50	10.	05/07/04	
1,2-Dichlorobenzene	20.		.80	10.	05/07/04	
1,2-Dibromo-3-chloropropane	<20.	U	3.0	20.	05/07/04	
1,2,4-Trichlorobenzene	<20.	U	.70	20.	05/07/04	
1,1,2-Trichloro-1,2,2-trifluoroethane	<10.	U	.52	10.	05/07/04	
Methyl acetate	<10.	U	2.3	10.	05/07/04	
Cyclohexane	<10.	U	.36	10.	05/07/04	
Methylcyclohexane	<10.	U	.64	10.	05/07/04	

Surrogate	%R	Qual	%R Limits
Dibromofluoromethane (surrogate)	105		78-120
1,2-Dichloroethane-d4 (surrogate)	104		71-126
Toluene-d8 (surrogate)	91		80-120
Bromofluorobenzene (surrogate)	99		78-120

Notes:

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J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized: Thomas A Alexander
Date: May 7, 2004 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#: 7823
Sample: B9398
Sample Description: LCW-4
Instrument: HP5973 GCMS#3
Units: ug/L
Number of analytes: 48

Job No.: 3027.333.32301
Certification NY No.: 10155

Collected: 05/04/04
Received: 05/04/04
Prepared: 05/07/04

Matrix: Water
QC Batch: 050704W3
%Solids:
Sample Size: 10 mL
Dilution: 40

Parameter	Result	Qual	MDL	PQL	Analyzed Notes
Dichlorodifluoromethane	<40.	U	1.0	40.	05/07/04
Chloromethane	<40.	U	1.4	40.	05/07/04
Vinyl chloride	54.		.92	40.	05/07/04
Bromomethane	<40.	U	1.5	40.	05/07/04
Chloroethane	40.		1.7	40.	05/07/04
Trichlorofluoromethane	<40.	U	.72	40.	05/07/04
Acetone	J 44.	J	6.8	400.	05/07/04
1,1-Dichloroethene	<20.	U	1.0	20.	05/07/04
Methylene chloride	<80.	U	2.2	80.	05/07/04
Carbon disulfide	<20.	U	1.2	20.	05/07/04
trans-1,2-Dichloroethene	<20.	U	1.5	20.	05/07/04
Methyl tert-butyl ether	<20.	U	.76	20.	05/07/04
1,1-Dichloroethane	36.		.68	20.	05/07/04
2-Butanone	<400.	U	3.5	400.	05/07/04
cis-1,2-Dichloroethene	120.		.84	20.	05/07/04
Chloroform	<20.	U	.60	20.	05/07/04
1,2-Dichloroethane	J 5.7	J	1.2	20.	05/07/04
1,1,1-Trichloroethane	J 6.0	J	.84	20.	05/07/04
Carbon tetrachloride	<20.	U	.76	20.	05/07/04
Benzene	290.		1.3	20.	05/07/04
1,2-Dichloropropane	<20.	U	1.5	20.	05/07/04
Trichloroethene	J 16.	J	1.2	20.	05/07/04
Bromodichloromethane	<20.	U	.52	20.	05/07/04
cis-1,3-Dichloropropene	<20.	U	.64	20.	05/07/04
4-Methyl-2-pentanone	J 62.	J	13.	200.	05/07/04
trans-1,3-Dichloropropene	<20.	U	.88	20.	05/07/04
1,1,2-Trichloroethane	<20.	U	1.4	20.	05/07/04
Toluene	210.		1.5	20.	05/07/04
Dibromochloromethane	<20.	U	.72	20.	05/07/04
2-Hexanone	<200.	U	3.1	200.	05/07/04
1,2-Dibromoethane	<20.	U	1.3	20.	05/07/04
Tetrachloroethene	J 10.	J	1.3	20.	05/07/04
Chlorobenzene	170.		1.3	20.	05/07/04

Authorized: Thomas A Alexander
Date: May 7, 2004 Thomas Alexander

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E - concentration exceeded the calibration range and is estimated.

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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#: 7823
Sample: B9398
Sample Description: LCW-4
Instrument: HP5973 GCMS#3
Units: ug/L
Number of analytes: 48

Job No.: 3027.333.32301
Certification NY No.: 10155

Collected: 05/04/04
Received: 05/04/04
Prepared: 05/07/04

Matrix: Water
QC Batch: 050704W3
%Solids:
Sample Size: 10 mL
Dilution: 40

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Ethylbenzene	640.		.80	20.	05/07/04	
Bromoform	<20.	U	1.4	20.	05/07/04	
Xylene (total)	1200.		1.8	20.	05/07/04	
Styrene	<20.	U	.72	20.	05/07/04	
1,1,2,2-Tetrachloroethane	<20.	U	2.5	20.	05/07/04	
Isopropylbenzene	J 10.	J	.80	20.	05/07/04	
1,3-Dichlorobenzene	<20.	U	.80	20.	05/07/04	
1,4-Dichlorobenzene	<20.	U	1.0	20.	05/07/04	
1,2-Dichlorobenzene	34.		1.6	20.	05/07/04	
1,2-Dibromo-3-chloropropane	<40.	U	6.1	40.	05/07/04	
1,2,4-Trichlorobenzene	<20.	U	1.4	40.	05/07/04	
1,1,2-Trichloro-1,2,2-trifluoroethane	<20.	U	1.0	20.	05/07/04	
Methyl acetate	<20.	U	4.6	20.	05/07/04	
Cyclohexane	<20.	U	.72	20.	05/07/04	
Methylcyclohexane	<20.	U	1.3	20.	05/07/04	

Surrogate	%R	Qual	%R Limits
Dibromofluoromethane (surrogate)	106		78-120
1,2-Dichloroethane-d4 (surrogate)	105		71-126
Toluene-d8 (surrogate)	92		80-120
Bromofluorobenzene (surrogate)	103		78-120

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized: Thomas A. Alexander
Date: May 7, 2004 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#: 7823
Sample: B9399
Sample Description: M-26
Instrument: HP5973 GCMS#3
Units: ug/L
Number of analytes: 48

Job No.: 3027.333.32301
Certification NY No.: 10155

Collected: 05/04/04
Received: 05/04/04
Prepared: 05/06/04

Matrix: Water
QC Batch: 050604W3
%Solids:
Sample Size: 10 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed Notes
Dichlorodifluoromethane	<1.0	U	.026	1.0	05/06/04
Chloromethane	<1.0	U	.036	1.0	05/06/04
Vinyl chloride	<1.0	U	.023	1.0	05/06/04
Bromomethane	<1.0	U	.037	1.0	05/06/04
Chloroethane	<1.0	U	.043	1.0	05/06/04
Trichlorofluoromethane	<1.0	U	.018	1.0	05/06/04
Acetone	J 3.6	J	.17	10.	05/06/04
1,1-Dichloroethene	<.50	U	.025	.50	05/06/04
Methylene chloride	<2.0	U	.055	2.0	05/06/04
Carbon disulfide	<.50	U	.030	.50	05/06/04
trans-1,2-Dichloroethene	<.50	U	.037	.50	05/06/04
Methyl tert-butyl ether	<.50	U	.019	.50	05/06/04
1,1-Dichloroethane	<.50	U	.017	.50	05/06/04
2-Butanone	<10.	U	.088	10.	05/06/04
cis-1,2-Dichloroethene	<.50	U	.021	.50	05/06/04
Chloroform	<.50	U	.015	.50	05/06/04
1,2-Dichloroethane	<.50	U	.029	.50	05/06/04
1,1,1-Trichloroethane	<.50	U	.021	.50	05/06/04
Carbon tetrachloride	<.50	U	.019	.50	05/06/04
Benzene	<.50	U	.032	.50	05/06/04
1,2-Dichloropropane	<.50	U	.037	.50	05/06/04
Trichloroethene	<.50	U	.029	.50	05/06/04
Bromodichloromethane	<.50	U	.013	.50	05/06/04
cis-1,3-Dichloropropene	<.50	U	.016	.50	05/06/04
4-Methyl-2-pentanone	<5.0	U	.32	5.0	05/06/04
trans-1,3-Dichloropropene	<.50	U	.022	.50	05/06/04
1,1,2-Trichloroethane	<.50	U	.035	.50	05/06/04
Toluene	<.50	U	.038	.50	05/06/04
Dibromochloromethane	<.50	U	.018	.50	05/06/04
2-Hexanone	<5.0	U	.078	5.0	05/06/04
1,2-Dibromoethane	<.50	U	.032	.50	05/06/04
Tetrachloroethene	<.50	U	.033	.50	05/06/04
Chlorobenzene	<.50	U	.033	.50	05/06/04

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: May 7, 2004

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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#: 7823
Sample: B9399
Sample Description: M-26
Instrument: HP5973 GCMS#3
Units: ug/L
Number of analytes: 48

Job No.: 3027.333.32301
Certification NY No.: 10155

Collected: 05/04/04
Received: 05/04/04
Prepared: 05/06/04

Matrix: Water
QC Batch: 050604W3
%Solids:
Sample Size: 10 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Ethylbenzene	<.50	U	.020	.50	05/06/04	
Bromoform	<.50	U	.035	.50	05/06/04	
Xylene (total)	<.50	U	.046	.50	05/06/04	
Styrene	<.50	U	.018	.50	05/06/04	
1,1,2,2-Tetrachloroethane	<.50	U	.063	.50	05/06/04	
Isopropylbenzene	<.50	U	.020	.50	05/06/04	
1,3-Dichlorobenzene	<.50	U	.020	.50	05/06/04	
1,4-Dichlorobenzene	<.50	U	.025	.50	05/06/04	
1,2-Dichlorobenzene	<.50	U	.040	.50	05/06/04	
1,2-Dibromo-3-chloropropane	<1.0	U	.15	1.0	05/06/04	
1,2,4-Trichlorobenzene	<1.0	U	.035	1.0	05/06/04	
1,1,2-Trichloro-1,2,2-trifluoroethane	<.50	U	.026	.50	05/06/04	
Methyl acetate	<.50	U	.12	.50	05/06/04	
Cyclohexane	<.50	U	.018	.50	05/06/04	
Methylcyclohexane	<.50	U	.032	.50	05/06/04	

Surrogate	%R	Qual	%R Limits
Dibromofluoromethane (surrogate)	108		78-120
1,2-Dichloroethane-d4 (surrogate)	106		71-126
Toluene-d8 (surrogate)	96		80-120
Bromofluorobenzene (surrogate)	86		78-120

Notes:

Authorized: Thomas Alexander
Date: May 7, 2004

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

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#: 7823
Sample: B9400
Sample Description: M-25
Instrument: HP5973 GCMS#3
Units: ug/L
Number of analytes: 48

Job No.: 3027.333.32301
Certification NY No.: 10155

Collected: 05/04/04
Received: 05/04/04
Prepared: 05/06/04

Matrix: Water
QC Batch: 050604W3
%Solids:
Sample Size: 10 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed Notes
Dichlorodifluoromethane	<1.0	U	.026	1.0	05/06/04
Chloromethane	<1.0	U	.036	1.0	05/06/04
Vinyl chloride	<1.0	U	.023	1.0	05/06/04
Bromomethane	<1.0	U	.037	1.0	05/06/04
Chloroethane	1.3		.043	1.0	05/06/04
Trichlorofluoromethane	<1.0	U	.018	1.0	05/06/04
Acetone	<10.	U	.17	10.	05/06/04
1,1-Dichloroethene	<.50	U	.025	.50	05/06/04
Methylene chloride	<2.0	U	.055	2.0	05/06/04
Carbon disulfide	<.50	U	.030	.50	05/06/04
trans-1,2-Dichloroethene	<.50	U	.037	.50	05/06/04
Methyl tert-butyl ether	<.50	U	.019	.50	05/06/04
1,1-Dichloroethane	<.50	U	.017	.50	05/06/04
2-Butanone	<10.	U	.088	10.	05/06/04
cis-1,2-Dichloroethene	<.50	U	.021	.50	05/06/04
Chloroform	<.50	U	.015	.50	05/06/04
1,2-Dichloroethane	<.50	U	.029	.50	05/06/04
1,1,1-Trichloroethane	<.50	U	.021	.50	05/06/04
Carbon tetrachloride	<.50	U	.019	.50	05/06/04
Benzene	<.50	U	.032	.50	05/06/04
1,2-Dichloropropane	<.50	U	.037	.50	05/06/04
Trichloroethene	<.50	U	.029	.50	05/06/04
Bromodichloromethane	<.50	U	.013	.50	05/06/04
cis-1,3-Dichloropropene	<.50	U	.016	.50	05/06/04
4-Methyl-2-pentanone	<5.0	U	.32	5.0	05/06/04
trans-1,3-Dichloropropene	<.50	U	.022	.50	05/06/04
1,1,2-Trichloroethane	<.50	U	.035	.50	05/06/04
Toluene	J .33	J	.038	.50	05/06/04
Dibromochloromethane	<.50	U	.018	.50	05/06/04
2-Hexanone	<5.0	U	.078	5.0	05/06/04
1,2-Dibromoethane	<.50	U	.032	.50	05/06/04
Tetrachloroethene	<.50	U	.033	.50	05/06/04
Chlorobenzene	1.4		.033	.50	05/06/04

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: May 7, 2004

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#: 7823
Sample: B9400
Sample Description: M-25
Instrument: HP5973 GCMS#3
Units: ug/L
Number of analytes: 48

Job No.: 3027.333.32301
Certification NY No.: 10155

Collected: 05/04/04
Received: 05/04/04
Prepared: 05/06/04

Matrix: Water
QC Batch: 050604W3
%Solids:
Sample Size: 10 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed Notes
Ethylbenzene	<.50	U	.020	.50	05/06/04
Bromoform	<.50	U	.035	.50	05/06/04
Xylene (total)	<.50	U	.046	.50	05/06/04
Styrene	<.50	U	.018	.50	05/06/04
1,1,2,2-Tetrachloroethane	<.50	U	.063	.50	05/06/04
Isopropylbenzene	J .28	J	.020	.50	05/06/04
1,3-Dichlorobenzene	<.50	U	.020	.50	05/06/04
1,4-Dichlorobenzene	<.50	U	.025	.50	05/06/04
1,2-Dichlorobenzene	<.50	U	.040	.50	05/06/04
1,2-Dibromo-3-chloropropane	<1.0	U	.15	1.0	05/06/04
1,2,4-Trichlorobenzene	<1.0	U	.035	1.0	05/06/04
1,1,2-Trichloro-1,2,2-trifluoroethane	<.50	U	.026	.50	05/06/04
Methyl acetate	<.50	U	.12	.50	05/06/04
Cyclohexane	J .45	J	.018	.50	05/06/04
Methylcyclohexane	<.50	U	.032	.50	05/06/04

Surrogate	%R	Qual	%R Limits
Dibromofluoromethane (surrogate)	110		78-120
1,2-Dichloroethane-d4 (surrogate)	108		71-126
Toluene-d8 (surrogate)	94		80-120
Bromofluorobenzene (surrogate)	88		78-120

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: May 7, 2004

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#: 7823
Sample: B9401
Sample Description: QC Trip Blank
Instrument: HP5973 GCMS#3
Units: ug/L
Number of analytes: 48

Job No.: 3027 . 333 . 32301
Certification NY No.: 10155

Collected: 05/03/04
Received: 05/04/04
Prepared: 05/07/04

Matrix: Water
QC Batch: 050704W3
%Solids:
Sample Size: 10 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed Notes
Dichlorodifluoromethane	<1.0	U	.026	1.0	05/07/04
Chloromethane	<1.0	U	.036	1.0	05/07/04
Vinyl chloride	<1.0	U	.023	1.0	05/07/04
Bromomethane	<1.0	U	.037	1.0	05/07/04
Chloroethane	<1.0	U	.043	1.0	05/07/04
Trichlorofluoromethane	<1.0	U	.018	1.0	05/07/04
Acetone	<10.	U	.17	10.	05/07/04
1,1-Dichloroethene	<.50	U	.025	.50	05/07/04
Methylene chloride	<2.0	U	.055	2.0	05/07/04
Carbon disulfide	<.50	U	.030	.50	05/07/04
trans-1,2-Dichloroethene	<.50	U	.037	.50	05/07/04
Methyl tert-butyl ether	<.50	U	.019	.50	05/07/04
1,1-Dichloroethane	<.50	U	.017	.50	05/07/04
2-Butanone	<10.	U	.088	10.	05/07/04
cis-1,2-Dichloroethene	<.50	U	.021	.50	05/07/04
Chloroform	<.50	U	.015	.50	05/07/04
1,2-Dichloroethane	<.50	U	.029	.50	05/07/04
1,1,1-Trichloroethane	<.50	U	.021	.50	05/07/04
Carbon tetrachloride	<.50	U	.019	.50	05/07/04
Benzene	<.50	U	.032	.50	05/07/04
1,2-Dichloropropane	<.50	U	.037	.50	05/07/04
Trichloroethene	<.50	U	.029	.50	05/07/04
Bromodichloromethane	<.50	U	.013	.50	05/07/04
cis-1,3-Dichloropropene	<.50	U	.016	.50	05/07/04
4-Methyl-2-pentanone	<5.0	U	.32	5.0	05/07/04
trans-1,3-Dichloropropene	<.50	U	.022	.50	05/07/04
1,1,2-Trichloroethane	<.50	U	.035	.50	05/07/04
Toluene	<.50	U	.038	.50	05/07/04
Dibromochloromethane	<.50	U	.018	.50	05/07/04
2-Hexanone	<5.0	U	.078	5.0	05/07/04
1,2-Dibromoethane	<.50	U	.032	.50	05/07/04
Tetrachloroethene	<.50	U	.033	.50	05/07/04
Chlorobenzene	<.50	U	.033	.50	05/07/04

Authorized: Thomas A Alexander
Date: May 7, 2004 Thomas Alexander

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

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#: 7823
Sample: B9401
Sample Description: QC Trip Blank
Instrument: HP5973 GCMS#3
Units: ug/L
Number of analytes: 48

Job No.: 3027.333.32301
Certification NY No.: 10155

Collected: 05/03/04
Received: 05/04/04
Prepared: 05/07/04

Matrix: Water
QC Batch: 050704W3
%Solids:
Sample Size: 10 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Ethylbenzene	<.50	U	.020	.50	05/07/04	
Bromoform	<.50	U	.035	.50	05/07/04	
Xylene (total)	<.50	U	.046	.50	05/07/04	
Styrene	<.50	U	.018	.50	05/07/04	
1,1,2,2-Tetrachloroethane	<.50	U	.063	.50	05/07/04	
Isopropylbenzene	<.50	U	.020	.50	05/07/04	
1,3-Dichlorobenzene	<.50	U	.020	.50	05/07/04	
1,4-Dichlorobenzene	<.50	U	.025	.50	05/07/04	
1,2-Dichlorobenzene	<.50	U	.040	.50	05/07/04	
1,2-Dibromo-3-chloropropane	<1.0	U	.15	1.0	05/07/04	
1,2,4-Trichlorobenzene	<1.0	U	.035	1.0	05/07/04	
1,1,2-Trichloro-1,2,2-trifluoroethane	<.50	U	.026	.50	05/07/04	
Methyl acetate	<.50	U	.12	.50	05/07/04	
Cyclohexane	<.50	U	.018	.50	05/07/04	
Methylcyclohexane	<.50	U	.032	.50	05/07/04	

Surrogate	%R	Qual	%R Limits
Dibromofluoromethane (surrogate)	107		78-120
1,2-Dichloroethane-d4 (surrogate)	103		71-126
Toluene-d8 (surrogate)	94		80-120
Bromofluorobenzene (surrogate)	91		78-120

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized: Thomas A Alexander
Date: May 7, 2004 Thomas Alexander

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

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.: 3027.333.32301
Certification NY No.: 10155

Package#: 7823
Sample: B9397
Samp. Description: LCW-2

Collected: 05/04/04 09:00
Received: 05/04/04 16:35
Matrix: Water
Number of Analytes: 5

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
BOD 5	36.		mg/L	EPA 405.1		5.0	05/06/04 08:50	050604W21	1	
COD	180.		mg/L	EPA 410.4	38.	50.	05/07/04	050604W4	5	
Total dissolved solids	2400.		mg/L	EPA 160.1		10.	05/06/04	050604W25	1	
Total organic carbon	58.		mg/L	EPA 415.1	.36	1.0	05/06/04	050604W13	1	
Total suspended solids	76.		mg/L	EPA 160.2		5.0	05/07/04	050704W6	1	

Notes:

Package#: 7823
Sample: B9398
Samp. Description: LCW-4

Collected: 05/04/04 09:30
Received: 05/04/04 16:35
Matrix: Water
Number of Analytes: 5

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
BOD 5	71.		mg/L	EPA 405.1		5.0	05/06/04 08:50	050604W21	1	
COD	220.		mg/L	EPA 410.4	38.	50.	05/07/04	050604W4	5	
Total dissolved solids	2200.		mg/L	EPA 160.1		10.	05/06/04	050604W25	1	
Total organic carbon	69.		mg/L	EPA 415.1	.36	1.0	05/06/04	050604W13	1	
Total suspended solids	130.		mg/L	EPA 160.2		5.0	05/07/04	050704W6	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank
U - Undetected at the reported level.
J - Reported value is estimated. D- Result is diluted.
E Concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: May 19, 2004 Thomas Alexander

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

Quality Control Results

GC/MS Volatile Organics Data

O'Brien & Gere Laboratories, Inc.

Quality Control Summary
Matrix Spike/Matrix Spike Duplicate
Method: 8260

Package#: 7823
Sample: B9399
Sample Description: M-26
Units: ug/L
Instrument: HP5973 GCMS#3

Matrix: Water
%Solids:
Number of analytes: 52

Parameter	Dilution	Sample Result	Spike Added	MS Result	%R	MSD Result	%R	%R Limits	RPD	RPD Limits	Note
Dichlorodifluoromethane	1	<1.0	10	9.4699	95	9.3464	93	50-131	1	0-12	
Chloromethane	1	<1.0	10	9.321	93	9.3699	94	50-140	1	0-15	
Vinyl chloride	1	<1.0	10	10.3786	104	10.3364	103	62-135	0	0-16	
Bromomethane	1	<1.0	10	8.0844	81	8.5693	86	57-133	6	0-17	
Chloroethane	1	<1.0	10	9.2017	92	9.0457	90	71-130	2	0-10	
Trichlorofluoromethane	1	<1.0	10	9.3789	94	9.1545	92	72-130	2	0-10	
Acetone	1	J 3.6	20	10.6198	35	10.4861	34	25-169	1	0-19	
1,1-Dichloroethene	1	<.50	10	9.8066	98	9.5864	96	79-120	2	0-10	
Methylene chloride	1	<2.0	10	9.591	96	9.5109	95	77-120	1	0-10	
Carbon disulfide	1	<.50	10	9.1131	91	9.097	91	80-120	0	0-10	
trans-1,2-Dichloroethene	1	<.50	10	9.3099	93	9.5783	96	80-120	3	0-10	
Methyl tert-butyl ether	1	<.50	10	10.1684	102	10.1277	101	80-120	0	0-10	
1,1-Dichloroethane	1	<.50	10	9.4772	95	9.4363	94	80-120	0	0-10	
2-Butanone	1	<10.	20	10.7273	54	10.3503	52	25-145	4	0-12	
cis-1,2-Dichloroethene	1	<.50	10	9.8165	98	9.5707	96	73-130	3	0-10	
Chloroform	1	<.50	10	9.536	95	9.2597	93	80-120	3	0-10	
1,2-Dichloroethane	1	<.50	10	9.5158	95	9.5204	95	72-124	0	0-10	

J-Estimated value #-Outside limits

O'Brien & Gere Laboratories, Inc.

Quality Control Summary
Matrix Spike/Matrix Spike Duplicate
Method: 8260

Package#: 7823
Sample: B9399
Sample Description: M-26
Units: ug/L
Instrument: HP5973 GCMS#3

Matrix: Water
%Solids:
Number of analytes: 52

Parameter	Dilution	Sample Result	Spike Added	MS Result	%R	MSD Result	%R	%R Limits	RPD	RPD Limits	Note
1,1,1-Trichloroethane	1	<.50	10	9.7649	98	9.5647	96	78-126	2	0-10	
Carbon tetrachloride	1	<.50	10	10.0969	101	9.6905	97	72-127	4	0-10	
Benzene	1	<.50	10	9.9067	99	9.7893	98	80-125	1	0-10	
1,2-Dichloropropane	1	<.50	10	9.5019	95	9.4621	95	80-120	0	0-10	
Trichloroethene	1	<.50	10	9.8835	99	9.6907	97	75-126	2	0-10	
Bromodichloromethane	1	<.50	10	9.6208	96	9.3961	94	78-120	2	0-10	
cis-1,3-Dichloropropene	1	<.50	10	8.5449	85	8.4606	85	79-120	1	0-10	
4-Methyl-2-pentanone	1	<5.0	20	15.9039	80	16.0405	80	46-133	1	0-10	
trans-1,3-Dichloropropene	1	<.50	10	9.2321	92	9.1868	92	78-120	0	0-10	
1,1,2-Trichloroethane	1	<.50	10	9.7096	97	9.3132	93	80-121	4	0-10	
Toluene	1	<.50	10	9.6382	96	9.3794	94	80-129	3	0-10	
Dibromochloromethane	1	<.50	10	9.4086	94	9.5492	95	73-125	1	0-10	
2-Hexanone	1	<5.0	20	10.2887	51	10.043	50	25-146	2	0-12	
1,2-Dibromoethane	1	<.50	10	9.8358	98	9.8417	98	80-126	0	0-10	
Tetrachloroethene	1	<.50	10	9.5988	96	9.5817	96	70-132	0	0-10	
Chlorobenzene	1	<.50	10	9.57	96	9.3675	94	76-124	2	0-10	
Ethylbenzene	1	<.50	10	10.1704	102	10.2557	103	79-130	1	0-10	

J-Estimated value #-Outside limits

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

O'Brien & Gere Laboratories, Inc.

Quality Control Summary
Matrix Spike/Matrix Spike Duplicate
Method: 8260

Package#: 7823
Sample: B9399
Sample Description: M-26
Units: ug/L
Instrument: HP5973 GCMS#3

Matrix: Water
%Solids:
Number of analytes: 52

Parameter	Dilution	Sample Result	Spike Added	MS Result	%R	MSD Result	%R	%R Limits	RPD	RPD Limits	Note
Bromoform	1	<.50	10	9.2862	93	9.5049	95	65-122	2	0-12	
Xylene (total)	1	<.50	30	27.7572	93	28.1487	94	76-137	1	0-10	
Styrene	1	<.50	10	9.0302	90	9.026	90	72-122	0	0-10	
1,1,2,2-Tetrachloroethane	1	<.50	10	9.0315	90	9.1645	92	73-122	1	0-10	
Isopropylbenzene	1	<.50	10	9.2362	92	9.4174	94	71-127	2	0-10	
1,3-Dichlorobenzene	1	<.50	10	9.4915	95	9.5004	95	75-121	0	0-10	
1,4-Dichlorobenzene	1	<.50	10	9.0877	91	9.0552	91	73-120	0	0-10	
1,2-Dichlorobenzene	1	<.50	10	9.5392	95	9.3998	94	78-123	1	0-10	
1,2-Dibromo-3-chloropropane	1	<1.0	10	8.5001	85	8.8144	88	62-122	4	0-11	
1,2,4-Trichlorobenzene	1	<1.0	10	8.3076	83	8.8269	88	69-120	6	0-11	
1,1,2-Trichloro-1,2,2-trifluor	1	<.50	10	9.4062	94	9.9134	99	70-130	5	0-20	
Methyl acetate	1	<.50	10	10.4946	105	10.2565	103	70-130	2	0-20	
Cyclohexane	1	<.50	10	9.4043	94	9.3458	93	70-130	1	0-20	
Methylcyclohexane	1	<.50	10	9.2827	93	9.4434	94	70-130	2	0-20	
Dibromofluoromethane (surrogat	1	108.%			103		101	78-120			
1,2-Dichloroethane-d4 (surroga	1	106.%			100		98	71-126			
Toluene-d8 (surrogate)	1	96.%			97		96	80-120			

J-Estimated value #-Outside limits

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

O'Brien & Gere Laboratories, Inc.

Quality Control Summary
Matrix Spike/Matrix Spike Duplicate
Method: 8260

Package#: 7823
Sample: B9399
Sample Description: M-26
Units: ug/L
Instrument: HP5973 GCMS#3

Matrix: Water
%Solids:
Number of analytes: 52

Parameter	Dilution	Sample Result	Spike Added	MS Result	%R	MSD Result	%R	%R Limits	RPD	RPD Limits	Note
Bromofluorobenzene (surrogate	1	86.%			96		97	78-120			

Notes:

J-Estimated value #-Outside limits

O'Brien & Gere Laboratories, Inc.

Quality Control Summary Laboratory Control Sample GC/MS Volatile Organics

Package#: 7823
Sample: L050604W3
Analyzed: 05/06/04

QC Batch: 050604W3
Instrument: HP5973 GCMS#3
Number of analytes: 48

Parameter	LCS Result	Spike Added	Units	%R	%R Limits	Note
Dichlorodifluoromethane	9.8412	10	ug/L	98	50-138	
Chloromethane	9.8907	10	ug/L	99	58-133	
Vinyl chloride	10.8196	10	ug/L	108	76-127	
Bromomethane	10.3369	10	ug/L	103	59-136	
Chloroethane	9.2584	10	ug/L	93	77-125	
Trichlorofluoromethane	9.5858	10	ug/L	96	78-128	
Acetone	18.8736	20	ug/L	94	37-175	
1,1-Dichloroethene	9.9221	10	ug/L	99	80-115	
Methylene chloride	9.6920	10	ug/L	97	76-115	
Carbon disulfide	9.3956	10	ug/L	94	83-117	
trans-1,2-Dichloroethene	9.4881	10	ug/L	95	84-115	
Methyl tert-butyl ether	10.1770	10	ug/L	102	85-115	
1,1-Dichloroethane	9.6761	10	ug/L	97	85-117	
2-Butanone	20.1861	20	ug/L	101	44-162	
cis-1,2-Dichloroethene	9.7135	10	ug/L	97	85-115	
Chloroform	9.6086	10	ug/L	96	83-115	
1,2-Dichloroethane	9.8896	10	ug/L	99	75-121	
1,1,1-Trichloroethane	9.9707	10	ug/L	100	83-124	
Carbon tetrachloride	9.8821	10	ug/L	99	77-125	
Benzene	10.1259	10	ug/L	101	85-122	
1,2-Dichloropropane	9.4767	10	ug/L	95	83-116	
Trichloroethene	9.9692	10	ug/L	100	85-120	
Bromodichloromethane	9.7502	10	ug/L	98	78-121	
cis-1,3-Dichloropropene	9.0551	10	ug/L	91	79-120	
4-Methyl-2-pentanone	18.3819	20	ug/L	92	50-132	
trans-1,3-Dichloropropene	9.5894	10	ug/L	96	75-116	
1,1,2-Trichloroethane	9.4742	10	ug/L	95	83-117	
Toluene	9.5472	10	ug/L	95	85-122	
Dibromochloromethane	9.3642	10	ug/L	94	76-126	
2-Hexanone	18.3617	20	ug/L	92	44-159	
1,2-Dibromoethane	9.9497	10	ug/L	99	84-116	
Tetrachloroethene	9.4682	10	ug/L	95	85-121	
Chlorobenzene	9.3713	10	ug/L	94	85-115	
Ethylbenzene	10.0507	10	ug/L	101	85-123	
Bromoform	8.8935	10	ug/L	89	67-124	
Xylene (total)	27.3729	30	ug/L	91	82-128	
Styrene	9.0695	10	ug/L	91	83-115	
1,1,2,2-Tetrachloroethane	9.2415	10	ug/L	92	70-123	
Isopropylbenzene	9.5038	10	ug/L	95	78-125	
1,3-Dichlorobenzene	9.5413	10	ug/L	95	85-115	
1,4-Dichlorobenzene	9.3106	10	ug/L	93	84-115	
1,2-Dichlorobenzene	9.6197	10	ug/L	96	85-115	

- Outside control limits

O'Brien & Gere Laboratories, Inc.

Quality Control Summary
Laboratory Control Sample
GC/MS Volatile Organics

Package#: 7823
Sample: L050604W3
Analyzed: 05/06/04

QC Batch: 050604W3
Instrument: HP5973 GCMS#3
Number of analytes: 48

Parameter	LCS Result	Spike Added	Units	%R	%R Limits	Note
1,2-Dibromo-3-chloropropane	8.6147	10	ug/L	86	63-123	
1,2,4-Trichlorobenzene	8.6978	10	ug/L	87	76-117	
1,1,2-Trichloro-1,2,2-trifluoroethane	10.1288	10	ug/L	101	85-124	
Methyl acetate	10.9900	10	ug/L	110	69-128	
Cyclohexane	9.4480	10	ug/L	94	85-117	
Methylcyclohexane	9.5948	10	ug/L	96	85-116	

Surrogate	%R	Qual	%R Limits
Dibromofluoromethane (surrogate)	104		78-120
1,2-Dichloroethane-d4 (surrogate)	102		71-126
Toluene-d8 (surrogate)	99		80-120
Bromofluorobenzene (surrogate)	91		78-120

Notes:

- Outside control limits

O'Brien & Gere Laboratories, Inc.

Quality Control Summary Laboratory Control Sample GC/MS Volatile Organics

Package#: 7823
Sample: D050604W3
Analyzed: 05/06/04

QC Batch: 050604W3
Instrument: HP5973 GCMS#3
Number of analytes: 48

Parameter	LCS Result	Spike Added	Units	%R	%R Limits	Note
Dichlorodifluoromethane	9.7279	10	ug/L	97	50-138	
Chloromethane	10.0397	10	ug/L	100	58-133	
Vinyl chloride	10.6051	10	ug/L	106	76-127	
Bromomethane	10.1421	10	ug/L	101	59-136	
Chloroethane	9.1588	10	ug/L	92	77-125	
Trichlorofluoromethane	9.1942	10	ug/L	92	78-128	
Acetone	18.5274	20	ug/L	93	37-175	
1,1-Dichloroethene	9.7362	10	ug/L	97	80-115	
Methylene chloride	9.5754	10	ug/L	96	76-115	
Carbon disulfide	9.1928	10	ug/L	92	83-117	
trans-1,2-Dichloroethene	9.2139	10	ug/L	92	84-115	
Methyl tert-butyl ether	9.9441	10	ug/L	99	85-115	
1,1-Dichloroethane	9.5165	10	ug/L	95	85-117	
2-Butanone	19.3401	20	ug/L	97	44-162	
cis-1,2-Dichloroethene	9.6230	10	ug/L	96	85-115	
Chloroform	9.3730	10	ug/L	94	83-115	
1,2-Dichloroethane	9.3763	10	ug/L	94	75-121	
1,1,1-Trichloroethane	9.6251	10	ug/L	96	83-124	
Carbon tetrachloride	9.4879	10	ug/L	95	77-125	
Benzene	9.7867	10	ug/L	98	85-122	
1,2-Dichloropropane	9.2543	10	ug/L	93	83-116	
Trichloroethene	9.7969	10	ug/L	98	85-120	
Bromodichloromethane	9.2401	10	ug/L	92	78-121	
cis-1,3-Dichloropropene	8.9327	10	ug/L	89	79-120	
4-Methyl-2-pentanone	18.5036	20	ug/L	93	50-132	
trans-1,3-Dichloropropene	9.0390	10	ug/L	90	75-116	
1,1,2-Trichloroethane	9.3437	10	ug/L	93	83-117	
Toluene	9.3614	10	ug/L	94	85-122	
Dibromochloromethane	8.7985	10	ug/L	88	76-126	
2-Hexanone	18.1003	20	ug/L	91	44-159	
1,2-Dibromoethane	9.4624	10	ug/L	95	84-116	
Tetrachloroethene	9.5474	10	ug/L	95	85-121	
Chlorobenzene	9.0518	10	ug/L	91	85-115	
Ethylbenzene	9.9037	10	ug/L	99	85-123	
Bromoform	9.0826	10	ug/L	91	67-124	
Xylene (total)	27.1959	30	ug/L	91	82-128	
Styrene	8.9005	10	ug/L	89	83-115	
1,1,2,2-Tetrachloroethane	8.8766	10	ug/L	89	70-123	
Isopropylbenzene	9.0917	10	ug/L	91	78-125	
1,3-Dichlorobenzene	9.2206	10	ug/L	92	85-115	
1,4-Dichlorobenzene	9.0180	10	ug/L	90	84-115	
1,2-Dichlorobenzene	9.2702	10	ug/L	93	85-115	

- Outside control limits

O'Brien & Gere Laboratories, Inc.

Quality Control Summary Laboratory Control Sample GC/MS Volatile Organics

Package#: 7823
Sample: D050604W3
Analyzed: 05/06/04

QC Batch: 050604W3
Instrument: HP5973 GCMS#3
Number of analytes: 48

Parameter	LCS Result	Spike Added	Units	%R	%R Limits	Note
1,2-Dibromo-3-chloropropane	8.6700	10	ug/L	87	63-123	
1,2,4-Trichlorobenzene	8.2239	10	ug/L	82	76-117	
1,1,2-Trichloro-1,2,2-trifluoroethane	9.7601	10	ug/L	98	85-124	
Methyl acetate	10.4734	10	ug/L	105	69-128	
Cyclohexane	9.3473	10	ug/L	93	85-117	
Methylcyclohexane	9.4835	10	ug/L	95	85-116	

Surrogate	%R	Qual	%R Limits
Dibromofluoromethane (surrogate)	101		78-120
1,2-Dichloroethane-d4 (surrogate)	101		71-126
Toluene-d8 (surrogate)	99		80-120
Bromofluorobenzene (surrogate)	96		78-120

Notes:

- Outside control limits

O'Brien & Gere Laboratories, Inc.

Quality Control Summary Laboratory Control Sample GC/MS Volatile Organics

Package#: 7823
Sample: L050704W3
Analyzed: 05/07/04

QC Batch: 050704W3
Instrument: HP5973 GCMS#3
Number of analytes: 48

Parameter	LCS Result	Spike Added	Units	%R	%R Limits	Note
Dichlorodifluoromethane	9.7000	10	ug/L	97	50-138	
Chloromethane	9.3055	10	ug/L	93	58-133	
Vinyl chloride	10.0701	10	ug/L	101	76-127	
Bromomethane	7.3555	10	ug/L	74	59-136	
Chloroethane	8.9519	10	ug/L	90	77-125	
Trichlorofluoromethane	9.3253	10	ug/L	93	78-128	
Acetone	18.5736	20	ug/L	93	37-175	
1,1-Dichloroethene	9.4845	10	ug/L	95	80-115	
Methylene chloride	9.3705	10	ug/L	94	76-115	
Carbon disulfide	9.2413	10	ug/L	92	83-117	
trans-1,2-Dichloroethene	9.5181	10	ug/L	95	84-115	
Methyl tert-butyl ether	9.9249	10	ug/L	99	85-115	
1,1-Dichloroethane	9.3773	10	ug/L	94	85-117	
2-Butanone	19.3536	20	ug/L	97	44-162	
cis-1,2-Dichloroethene	9.5703	10	ug/L	96	85-115	
Chloroform	9.6308	10	ug/L	96	83-115	
1,2-Dichloroethane	9.6346	10	ug/L	96	75-121	
1,1,1-Trichloroethane	9.7271	10	ug/L	97	83-124	
Carbon tetrachloride	9.9471	10	ug/L	99	77-125	
Benzene	9.8872	10	ug/L	99	85-122	
1,2-Dichloropropane	9.6024	10	ug/L	96	83-116	
Trichloroethene	9.8304	10	ug/L	98	85-120	
Bromodichloromethane	9.5139	10	ug/L	95	78-121	
cis-1,3-Dichloropropene	8.8100	10	ug/L	88	79-120	
4-Methyl-2-pentanone	17.8849	20	ug/L	89	50-132	
trans-1,3-Dichloropropene	9.3375	10	ug/L	93	75-116	
1,1,2-Trichloroethane	9.1872	10	ug/L	92	83-117	
Toluene	9.4786	10	ug/L	95	85-122	
Dibromochloromethane	9.0952	10	ug/L	91	76-126	
2-Hexanone	17.0878	20	ug/L	85	44-159	
1,2-Dibromoethane	9.6891	10	ug/L	97	84-116	
Tetrachloroethene	9.2788	10	ug/L	93	85-121	
Chlorobenzene	9.1597	10	ug/L	92	85-115	
Ethylbenzene	9.8633	10	ug/L	99	85-123	
Bromoform	8.8845	10	ug/L	89	67-124	
Xylene (total)	26.6217	30	ug/L	89	82-128	
Styrene	8.7286	10	ug/L	87	83-115	
1,1,2,2-Tetrachloroethane	9.3256	10	ug/L	93	70-123	
Isopropylbenzene	9.1445	10	ug/L	91	78-125	
1,3-Dichlorobenzene	9.0511	10	ug/L	91	85-115	
1,4-Dichlorobenzene	8.9003	10	ug/L	89	84-115	
1,2-Dichlorobenzene	9.2340	10	ug/L	92	85-115	

- Outside control limits

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O'Brien & Gere Laboratories, Inc.

Quality Control Summary Laboratory Control Sample GC/MS Volatile Organics

Package#: 7823
Sample: L050704W3
Analyzed: 05/07/04

QC Batch: 050704W3
Instrument: HP5973 GCMS#3
Number of analytes: 48

Parameter	LCS Result	Spike Added	Units	%R	%R Limits	Note
1,2-Dibromo-3-chloropropane	8.4103	10	ug/L	84	63-123	
1,2,4-Trichlorobenzene	7.8266	10	ug/L	78	76-117	
1,1,2-Trichloro-1,2,2-trifluoroethane	9.4696	10	ug/L	95	85-124	
Methyl acetate	10.3721	10	ug/L	104	69-128	
Cyclohexane	9.0856	10	ug/L	91	85-117	
Methylcyclohexane	9.2213	10	ug/L	92	85-116	

Surrogate	%R	Qual	%R Limits
Dibromofluoromethane (surrogate)	100		78-120
1,2-Dichloroethane-d4 (surrogate)	101		71-126
Toluene-d8 (surrogate)	98		80-120
Bromofluorobenzene (surrogate)	93		78-120

Notes:

- Outside control limits

O'Brien & Gere Laboratories, Inc.

Quality Control Summary
Preparation Blank
GC/MS Volatile Organics

Package#: 7823
Sample: PB050604W3
Analyzed: 05/06/04

QC Batch: 050604W3
Instrument: HP5973 GCMS#3
Number of analytes: 48

Parameter	Sample Result	Q	PQL	Units	Note
Dichlorodifluoromethane	<1.0	U	1.0	ug/L	
Chloromethane	<1.0	U	1.0	ug/L	
Vinyl chloride	<1.0	U	1.0	ug/L	
Bromomethane	<1.0	U	1.0	ug/L	
Chloroethane	<1.0	U	1.0	ug/L	
Trichlorofluoromethane	<1.0	U	1.0	ug/L	
Acetone	<10.	U	10.	ug/L	
1,1-Dichloroethene	<.50	U	.50	ug/L	
Methylene chloride	<2.0	U	2.0	ug/L	
Carbon disulfide	<.50	U	.50	ug/L	
trans-1,2-Dichloroethene	<.50	U	.50	ug/L	
Methyl tert-butyl ether	<.50	U	.50	ug/L	
1,1-Dichloroethane	<.50	U	.50	ug/L	
2-Butanone	<10.	U	10.	ug/L	
cis-1,2-Dichloroethene	<.50	U	.50	ug/L	
Chloroform	<.50	U	.50	ug/L	
1,2-Dichloroethane	<.50	U	.50	ug/L	
1,1,1-Trichloroethane	<.50	U	.50	ug/L	
Carbon tetrachloride	<.50	U	.50	ug/L	
Benzene	<.50	U	.50	ug/L	
1,2-Dichloropropane	<.50	U	.50	ug/L	
Trichloroethene	<.50	U	.50	ug/L	
Bromodichloromethane	<.50	U	.50	ug/L	
cis-1,3-Dichloropropene	<.50	U	.50	ug/L	
4-Methyl-2-pentanone	<5.0	U	5.0	ug/L	
trans-1,3-Dichloropropene	<.50	U	.50	ug/L	
1,1,2-Trichloroethane	<.50	U	.50	ug/L	
Toluene	<.50	U	.50	ug/L	
Dibromochloromethane	<.50	U	.50	ug/L	
2-Hexanone	<5.0	U	5.0	ug/L	
1,2-Dibromoethane	<.50	U	.50	ug/L	
Tetrachloroethene	<.50	U	.50	ug/L	
Chlorobenzene	<.50	U	.50	ug/L	
Ethylbenzene	<.50	U	.50	ug/L	
Bromoform	<.50	U	.50	ug/L	
Xylene (total)	<.50	U	.50	ug/L	
Styrene	<.50	U	.50	ug/L	
1,1,2,2-Tetrachloroethane	<.50	U	.50	ug/L	
Isopropylbenzene	<.50	U	.50	ug/L	
1,3-Dichlorobenzene	<.50	U	.50	ug/L	
1,4-Dichlorobenzene	<.50	U	.50	ug/L	
1,2-Dichlorobenzene	<.50	U	.50	ug/L	

- Outside control limits. J - Estimated value. U - Undetected at the reported level.

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O'Brien & Gere Laboratories, Inc.

Quality Control Summary Preparation Blank GC/MS Volatile Organics

Package#: 7823
Sample: PB050604W3
Analyzed: 05/06/04

QC Batch: 050604W3
Instrument: HP5973 GCMS#3
Number of analytes: 48

Parameter	Result	Q	PQL	Units	Note
1,2-Dibromo-3-chloropropane	<1.0	U	1.0	ug/L	
1,2,4-Trichlorobenzene	<1.0	U	1.0	ug/L	
1,1,2-Trichloro-1,2,2-trifluoroethane	<.50	U	.50	ug/L	
Methyl acetate	<.50	U	.50	ug/L	
Cyclohexane	<.50	U	.50	ug/L	
Methylcyclohexane	<.50	U	.50	ug/L	

Surrogate	%R	Qual	%R Limits
Dibromofluoromethane (surrogate)	104		78-120
1,2-Dichloroethane-d4 (surrogate)	104		71-126
Toluene-d8 (surrogate)	94		80-120
Bromofluorobenzene (surrogate)	86		78-120

Notes:

- Outside control limits. J - Estimated value. U - Undetected at the reported level.

O'Brien & Gere Laboratories, Inc.

Quality Control Summary
Preparation Blank
GC/MS Volatile Organics

Package#: 7823
Sample: PB050704W3
Analyzed: 05/07/04

QC Batch: 050704W3
Instrument: HP5973 GCMS#3
Number of analytes: 48

Parameter	Sample Result	Q	PQL	Units	Note
Dichlorodifluoromethane	<1.0	U	1.0	ug/L	
Chloromethane	<1.0	U	1.0	ug/L	
Vinyl chloride	<1.0	U	1.0	ug/L	
Bromomethane	<1.0	U	1.0	ug/L	
Chloroethane	<1.0	U	1.0	ug/L	
Trichlorofluoromethane	<1.0	U	1.0	ug/L	
Acetone	<10.	U	10.	ug/L	
1,1-Dichloroethene	<.50	U	.50	ug/L	
Methylene chloride	<2.0	U	2.0	ug/L	
Carbon disulfide	<.50	U	.50	ug/L	
trans-1,2-Dichloroethene	<.50	U	.50	ug/L	
Methyl tert-butyl ether	<.50	U	.50	ug/L	
1,1-Dichloroethane	<.50	U	.50	ug/L	
2-Butanone	<10.	U	10.	ug/L	
cis-1,2-Dichloroethene	<.50	U	.50	ug/L	
Chloroform	<.50	U	.50	ug/L	
1,2-Dichloroethane	<.50	U	.50	ug/L	
1,1,1-Trichloroethane	<.50	U	.50	ug/L	
Carbon tetrachloride	<.50	U	.50	ug/L	
Benzene	<.50	U	.50	ug/L	
1,2-Dichloropropane	<.50	U	.50	ug/L	
Trichloroethene	<.50	U	.50	ug/L	
Bromodichloromethane	<.50	U	.50	ug/L	
cis-1,3-Dichloropropene	<.50	U	.50	ug/L	
4-Methyl-2-pentanone	<5.0	U	5.0	ug/L	
trans-1,3-Dichloropropene	<.50	U	.50	ug/L	
1,1,2-Trichloroethane	<.50	U	.50	ug/L	
Toluene	<.50	U	.50	ug/L	
Dibromochloromethane	<.50	U	.50	ug/L	
2-Hexanone	<5.0	U	5.0	ug/L	
1,2-Dibromoethane	<.50	U	.50	ug/L	
Tetrachloroethene	<.50	U	.50	ug/L	
Chlorobenzene	<.50	U	.50	ug/L	
Ethylbenzene	<.50	U	.50	ug/L	
Bromoform	<.50	U	.50	ug/L	
Xylene (total)	<.50	U	.50	ug/L	
Styrene	<.50	U	.50	ug/L	
1,1,2,2-Tetrachloroethane	<.50	U	.50	ug/L	
Isopropylbenzene	<.50	U	.50	ug/L	
1,3-Dichlorobenzene	<.50	U	.50	ug/L	
1,4-Dichlorobenzene	<.50	U	.50	ug/L	
1,2-Dichlorobenzene	<.50	U	.50	ug/L	

- Outside control limits. J - Estimated value. U - Undetected at the reported level.

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O'Brien & Gere Laboratories, Inc.

Quality Control Summary
Preparation Blank
GC/MS Volatile Organics

Package#: 7823
Sample: PB050704W3
Analyzed: 05/07/04

QC Batch: 050704W3
Instrument: HP5973 GCMS#3
Number of analytes: 48

Parameter	Result	Q	PQL	Units	Note
1,2-Dibromo-3-chloropropane	<1.0	U	1.0	ug/L	
1,2,4-Trichlorobenzene	<1.0	U	1.0	ug/L	
1,1,2-Trichloro-1,2,2-trifluoroethane	<.50	U	.50	ug/L	
Methyl acetate	<.50	U	.50	ug/L	
Cyclohexane	<.50	U	.50	ug/L	
Methylcyclohexane	<.50	U	.50	ug/L	

Surrogate	%R	Qual	%R Limits
Dibromofluoromethane (surrogate)	106		78-120
1,2-Dichloroethane-d4 (surrogate)	100		71-126
Toluene-d8 (surrogate)	93		80-120
Bromofluorobenzene (surrogate)	90		78-120

Notes:

- Outside control limits. J - Estimated value. U - Undetected at the reported level.

O'BRIEN & GERE
Laboratories, Inc.

Volatile Organics
Method 8260

Internal Standard Summary

Client:	O'Brien & Gere Inc.of North America.	**CCC Data File:**	J1068.D	**Inst. I.D.:**	MS#3
Job No.:	3027.333.32301	**Date Analyzed:**	5/6/04	**Matrix:**	Water
Site:	PAS Site-Oswego, NY				

		ISTD 1			ISTD 2			ISTD 3		
		Area	Q	R.T.	Area	Q	R.T.	Area	Q	R.T.
J1068.D	CCC	1759419		11.36	707691		16.29	541013		20.38
Upper Limit		3518838		11.86	1415382		16.79	1082026		20.88
Lower Limit		879710		10.86	353846		15.79	270507		19.88
Data File	Sample No.									
J1069.D	L050604W3	1963339		11.36	765217		16.29	585767		20.38
J1070.D	D050604W3	2045514		11.36	784948		16.29	612765		20.38
J1072.D	PB050604W3	1869820		11.36	606445		16.30	389240		20.38
J1081.D	B9394	1840301		11.37	584897		16.30	358421		20.38
J1082.D	B9395	1847795		11.36	588188		16.29	374847		20.38
J1083.D	B9396	1760374		11.37	575280		16.29	369129		20.38
J1084.D	B9399	1736221		11.36	580560		16.30	359010		20.38
J1085.D	B9400	1760106		11.37	580977		16.30	362658		20.38

ISTD 1 Fluorobenzene
ISTD 2 Chlorobenzene-d5
ISTD 3 1,4-Dichlorobenzene-d4

Q Column to be used to flag values outside QC limit with an aste
* Value outside of required QC limits.

J1068.xls

O'BRIEN & GERE
Laboratories, Inc.

Volatile Organics
Method 8260

Internal Standard Summary

Client:	O'Brien & Gere Inc.of North America.	**CCC Data File:**	J1089.D	**Inst. I.D.:**	MS#3
Job No.:	3027.333.32301	**Date Analyzed:**	5/7/04	**Matrix:**	Water
Site:	PAS Site-Oswego, NY				

		ISTD 1			ISTD 2			ISTD 3		
		Area	Q	R.T.	Area	Q	R.T.	Area	Q	R.T.
J1089.D	CCC	1908171		11.36	732292		16.29	557892		20.38
Upper Limit		3816342		11.86	1464584		16.79	1115784		20.88
Lower Limit		954086		10.86	366146		15.79	278946		19.88
Data File	Sample No.									
J1090.D	L050704W3	2026828		11.37	773608		16.29	590302		20.38
J1091.D	B9399MS	2102207		11.36	781955		16.30	615292		20.38
J1092.D	B9399MSD	2141532		11.36	783662		16.29	621399		20.38
J1094.D	PB050704W3	1907360		11.36	611114		16.30	398732		20.38
J1095.D	B9401	1829780		11.36	590706		16.30	379018		20.38
J1096.D	B9393	1783393		11.36	571781		16.30	363552		20.38
J1097.D	B9397 20X	1845260		11.36	610675		16.30	422144		20.38
J1098.D	B9398 40X	1819697		11.37	601571		16.30	420148		20.38

ISTD 1 Fluorobenzene
ISTD 2 Chlorobenzene-d5
ISTD 3 1,4-Dichlorobenzene-d4

Q Column to be used to flag values outside QC limit with an ast
* Value outside of required QC limits.

J1089.xls

Wet Chemistry Data

Wet Chemistry Quality Control Summary:
Initial and Continuing Calibration Summary
12-MAY-04

Cal. Sample	Parameter	Reporting Limit	Result	Units	True	%R	#	Date	By
ICV	COD	10	77.8055	MG/L	75	104		05/07/04	MT
ICB	COD	10	<10	MG/L				05/07/04	MT
CCV1	COD	10	77.8055	MG/L	75	104		05/07/04	MT
CCB1	COD	10	<10	MG/L				05/07/04	MT

#-Outside control limits (90-110%)

Wet Chemistry Quality Control Summary:
Initial and Continuing Calibration Summary
25-MAY-04

Cal. Sample	Parameter	Reporting Limit	Result	Units	True	%R	#	Date	By
ICV	Total organic carbon	1	54.4	MG/L	50	109		05/06/04	
ICB	Total organic carbon	1	<1	MG/L				05/06/04	
CCV1	Total organic carbon	1	50.2	MG/L	50	100		05/06/04	
CCB1	Total organic carbon	1	<1	MG/L				05/06/04	
CCV2	Total organic carbon	1	50.2	MG/L	50	100		05/06/04	
CCB2	Total organic carbon	1	<1	MG/L				05/06/04	

#-Outside control limits (90-110%)

O'Brien & Gere Laboratories, Inc.

Quality Control Summary
Preparation Blank
Wet Chemistry

Package#: 7823
Sample: PB050604W4
Analyzed: 05/07/04

QC Batch: 050604W4
Instrument: GENESYS 20
Number of analytes: 1

Parameter	Sample Result	Q	PQL	Units	Note
COD	<10.	U	10.	mg/L	

Notes:

J - Estimated value. U - Undetected at the reported level.

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O'Brien & Gere Laboratories, Inc.

Quality Control Summary
Preparation Blank
Wet Chemistry

Package#: 7823
Sample: PB050604W25
Analyzed: 05/06/04

QC Batch: 050604W25
Instrument: METTLER
Number of analytes: 1

Parameter	Sample Result	Q	PQL	Units	Note
Total dissolved solids	<10.	U	10.	mg/L	

Notes:

J - Estimated value. U - Undetected at the reported level.

O'Brien & Gere Laboratories, Inc.

Quality Control Summary
Preparation Blank
Wet Chemistry

Package#: 7823
Sample: PB050604W13
Analyzed: 05/06/04

QC Batch: 050604W13
Instrument: DC190
Number of analytes: 1

Parameter	Sample Result	Q	PQL	Units	Note
Total organic carbon	<1.0	U	1.0	mg/L	

Notes:

J - Estimated value. U - Undetected at the reported level.

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O'Brien & Gere Laboratories, Inc.

Quality Control Summary
Preparation Blank
Wet Chemistry

Package#: 7823
Sample: PB050704W6
Analyzed: 05/07/04

QC Batch: 050704W6
Instrument: METTLER
Number of analytes: 1

Parameter	Sample Result	Q	PQL	Units	Note
Total suspended solids	<5.0	U	5.0	mg/L	

Notes:

J - Estimated value. U - Undetected at the reported level.

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

O'Brien & Gere Laboratories, Inc.
Wet Chemistry

Quality Control Summary
Matrix Spike/Matrix Spike Duplicate

Package#: 7823
Sample: B9397
Sample Description: LCW-2

Matrix: Water
Number of analytes: 2

Parameter	Sample Result	Spike Added	MS Result	%R	MSD Result	%R	%R Limits	RPD	RPD Limits	Units	Method	Note
COD	180.	150.000	332.2000	98	343.6000	106	60-131	3	0-10	mg/L	EPA 410.4	
Total organic carbon	58.	20.000	79.1000	105	77.5000	97	71-123	2	0-17	mg/L	EPA 415.1	

Notes:

J-Estimated value #-Outside limits

O'Brien & Gere Laboratories, Inc. Wet Chemistry

Quality Control Summary Duplicate

Package#: 7823
Sample: B9397
Sample Description: LCW-2

Matrix: Water
Number of analytes: 4

Parameter	Sample Result	Dup Result	RPD	RPD Limits	Units	Method	Note
BOD 5	36.	37.3	4	0 - 29	mg/L	EPA 405.1	
Total dissolved solids	2400.	2394	1	0 - 10	mg/L	EPA 160.1	
Total organic carbon	58.	57.7	1	0 - 16	mg/L	EPA 415.1	
Total suspended solids	76.	88	15	0 - 18	mg/L	EPA 160.2	

Notes:

J-Estimated value #-Outside limits

O'Brien & Gere Laboratories, Inc.

Quality Control Summary Laboratory Control Sample Wet Chemistry

Package#: 7823
Sample: L050604W21
Analyzed: 05/06/04

QC Batch: 050604W21
Instrument: DO METER
Number of analytes: 1

Parameter	LCS Result	Spike Added	Units	%R	%R Limits	Note
BOD 5	204.5	198	mg/L	103	85-115	

Notes:

- Outside control limits

O'Brien & Gere Laboratories, Inc.

Quality Control Summary Laboratory Control Sample Wet Chemistry

Package#: 7823
Sample: L050604W4
Analyzed: 05/07/04

QC Batch: 050604W4
Instrument: GENESYS 20
Number of analytes: 1

Parameter	LCS Result	Spike Added	Units	%R	%R Limits	Note
COD	77.81	75	mg/L	104	89-110	

Notes:

- Outside control limits

O'Brien & Gere Laboratories, Inc.

Quality Control Summary Laboratory Control Sample Wet Chemistry

Package#: 7823
Sample: L050604W25
Analyzed: 05/06/04

QC Batch: 050604W25
Instrument: METTLER
Number of analytes: 1

Parameter	LCS Result	Spike Added	Units	%R	%R Limits	Note
Total dissolved solids	488	500	mg/L	98	86-112	

Notes:

- Outside control limits

O'Brien & Gere Laboratories, Inc.

Quality Control Summary Laboratory Control Sample Wet Chemistry

Package#: 7823
Sample: L050604W13
Analyzed: 05/06/04

QC Batch: 050604W13
Instrument: DC190
Number of analytes: 1

Parameter	LCS Result	Spike Added	Units	%R	%R Limits	Note
Total organic carbon	53.5	50	mg/L	107	90-110	

Notes:

- Outside control limits

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Data Validation Services

120 Cobble Creek Road P. O. Box 208
North Creek, NY 12853
Phone (518) 251-4429
Facsimile (518) 251-4428

LETTER OF TRANSMITTAL

TO: Tony Geiss

COMPANY: OBG of NA

FROM: Judy Harry

DATE: 06-21-04

ENCLOSED: Validation report for the PAS site
OBG labs report 7823

Associated data package

Associated invoice

COMMENTS:

Ship via: US Express__X__ UPS _____ US Priority____Fed Ex____Other ___

Data Validation Services

120 Cobble Creek Road P. O. Box 208
North Creek, N. Y. 12853
Phone 518-251-4429
Facsimile 518-251-4428

June 21, 2004

Anthony Geiss
O'Brien & Gere Inc.of North America
5000 Brittonfield Parkway
Syracuse, NY 13221

RE: Validation of PAS Site Data Packages
OBG Laboratory report 7823

Dear Mr. Geiss:

Review has been completed for the data package generated by OBG Laboratories that pertains to aqueous samples collected 05/04/04 at the Pollution Abatement Services Site. Five aqueous samples were analyzed for TCL volatiles by USEPA SW846 method 8260B. Matrix spikes/duplicates, and equipment and trip blanks were also processed. Validation was not required for data of two leachate samples reported within the data package.

Data validation was performed with guidance from the most current editions of the USEPA Region II SOP HW-6 and the USEPA CLP National Functional Guidelines for Organic Data Review, with consideration for method and QAPP requirements. The following items were reviewed:

* Data Completeness
* Custody Documentation
* Holding Times
* Surrogate and Internal Standard Recoveries
* Matrix Spike Recoveries/Duplicate Correlations
* Preparation/Calibration Blanks
* Control Spike/Laboratory Control Samples
* Instrumental Tunes
* Calibration Standards
* Instrument IDLs
* Method Compliance
* Sample Result Verification

Those items showing deficiencies are discussed in the following sections of this report. All others were found to be acceptable as outlined in the above-mentioned validation procedures, and as applicable for the methodology. Unless noted specifically in the following text, reported results are substantiated by the raw data, and generated in compliance with protocol requirements.

In summary, sample processing was primarily conducted with compliance to protocol requirements and with adherence to quality criteria, and results are usable as reported, without qualification. Copies of laboratory report forms are attached; no edits were required. Also attached is a copy of the laboratory case narrative.

Volatile Analyses by EPA 8260B

Holding times, surrogate and internal standard recoveries, and instrumental tunes meet protocol/ QAPP requirements. The equipment blank, trip blank, and method blanks show no contamination.

Calibration standard responses are within validation guidelines.

Matrix spikes of M-26 evaluate all target analytes, and all recoveries and duplicate correlation values are acceptable. Associated Laboratory Control Sample recoveries are also acceptable.

Processing was compliant, and results are substantiated by the raw data.

The reporting limits for nondetected results for the samples should be derived from the "PQL" column on the report page, not the "MDL" column.

Please do not hesitate to contact me if questions or comments arise during your review of this report.

Very truly yours,

Judy Harry

CROSS REFERENCE TABLE

Site	Sample Number	Date Collected	Date Time	Received	Package
EQUIPMENT BLANK	B9393	05/03/2004		05/04/2004	7823
LR-B	B9394	05/03/2004		05/04/2004	7823
M-21	B9395	05/03/2004		05/04/2004	7823
LR-6	B9396	05/04/2004		05/04/2004	7823
LCW-2	B9397 D	05/04/2004	09:00	05/04/2004	7823
LCW-2	B9397 MS	05/04/2004	09:00	05/04/2004	7823
LCW-2	B9397	05/04/2004	09:00	05/04/2004	7823
LCW-4	B9398	05/04/2004	09:30	05/04/2004	7823
M-26	B9399 MS	05/04/2004		05/04/2004	7823
M-26	B9399 MSD	05/04/2004		05/04/2004	7823
M-26	B9399	05/04/2004		05/04/2004	7823
M-25	B9400	05/04/2004		05/04/2004	7823
QC Trip Blank	B9401	05/03/2004		05/04/2004	7823

Project Management Case Narrative

INTRODUCTION/ANALYTICAL RESULTS

This report summarizes the laboratory results for O'Brien & Gere Inc. of North America samples from the PAS site located in Oswego, NY. Samples were delivered to O'Brien & Gere Laboratories, Inc. in Syracuse, NY for analysis. Immediately following the narrative is the Cross Reference Table that lists the site descriptions, sample numbers, date(s) collected, date(s) received, package number(s).

CONDITION UPON RECEIPT/CHAIN OF CUSTODY

The cooler(s) were received intact. When the cooler(s) were received by the laboratory, the sample custodian(s) opened and inspected the shipment(s) for damage, custody inconsistencies and proper preservation. Chains of custody documenting receipt are presented in the chain of custody section. Each sample was assigned a unique laboratory number and a custody file created. The samples were placed in a secured walk-in cooler and signed in and out by the chemists performing the tests. The sign out record, or lab chronicle, is presented in the chain of custody section.

No discrepancies were noted upon receipt. The hand-delivered cooler temperature was 5.6°C.

METHODOLOGY

The following methods were used to perform the analyses:

PARAMETER	METHOD	REFERENCE
Volatile Organics	8260B	1
Biochemical Oxygen Demand	405.1	2
Chemical Oxygen Demand	410.4	2
Total Dissolved Solids	160.1	2
Total Organic Carbon	415.1	2
Total Suspended Solids	160.2	2

1) Test Methods for Evaluating Solid Wastes, SW-846 Third Edition, Final Update III, December 1996.

2) Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, 1983.

QUALITY CONTROL

QA/QC results are summarized in the Laboratory Report Package and are also included in the raw data.

RAW DATA

The raw data is organized in a format similar to the US EPA Contract Laboratory Program order of data requirements.

GC/MS Volatile Organics Case Narrative

Client:	O'Brien & Gere Inc. of North America
Job Number:	3027.333.32301
Package #:	7823
Methodology:	8260B

Analyzed/Reviewed by (Initials/Date): SG 5-17-04

Supervisor/Reviewed by (Initials/Date): @ 5-20-04

QA/QC Review (Initials/Date): a 5-20-04

File Name: C:\Documents MS3\Narratives\7823vnar.doc

GC/MS Volatile Organics
The GC/MS Volatile instruments used a Restek Rtx-VMS, 40 m x 0.18 mm ID capillary column and a Vocarb 3000 trap.

There were no excursions to note. All QC results were within established control limits.

Holding Times and Sample Preservation
All samples were prepared and analyzed within the method and/or QAPP specified holding time requirements. Samples had a pH of < 2.

Laboratory Control Sample
All spike recoveries met method and/or project specific QC criteria.

MS/MSD/MSB
All spike recovery and RPD data met method and/or project specific QC criteria.

Surrogate Standards
All surrogate standard recoveries met method and/or project specific QC criteria.

Internal Standards
All internal standard areas met method and/or project specific QC criteria.

Calibrations
All initial calibrations and calibration verifications met method and/or project specific QC criteria.

Preparation Blanks
All preparation blanks met method and/or project specific QC criteria.

Wet Chemistry Case Narrative

Client:	O'Brien & Gere Inc. of North America
Job Number:	3027.333.32301
Package #:	7823
Methodology:	BOD 5 – EPA 405.1 COD – EPA 410.4 Total dissolved solids – EPA 160.1 Total organic carbon – EPA 415.1 Total suspended solids – EPA 160.2

Analyzed/Reviewed by (Date/Initials): 5-25-04 MM

Supervisor/Reviewed by (Date/Initials): 5-25-04 MM

QA/QC Review (Date/Initials): 5-26-04 DL

Wet Chemistry

There were no excursions to note. All QC results were within established control limits.

ANNUAL PROGRESS REPORT – *Future*
Operation, Maintenance and Long-term Monitoring Activities

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

PERIOD COVERED: JULY 2004 – JUNE 2005

ACTIONS PLANNED FOR FOLLOWING YEAR:

- OMM activities will be performed during the period July 2004 through June 2005, 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 no longer be routinely monitored during a contingency removal event that was formerly conducted during the third week of the month. As stated previously, the Five-Year Review Report concluded that, to streamline and improve the efficiency of the operational monitoring activities, the routine contingency monitoring / removal event protocol could be eliminated, unless more than 15,000 gallons of leachate is available for removal, at such time the contingency removal may be re-implemented. The potential need for contingency monitoring will be evaluated for any month in which more than 15,000 gallons has accumulated prior to the removal event conducted during the first week of the month.

- Quarterly ground-water elevation monitoring will be conducted on August 2, 2004, November 8, 2004, February 7, 2005 and May 2, 2005. The possible reduction of the frequency of quarterly ground-water elevation monitoring to semi-annual monitoring will be further reviewed with USEPA.

- Semi-annual groundwater and leachate quality and elevation monitoring will be conducted on November 8, 2004 and May 2, 2005. The possible reduction of the frequency of semi-annual groundwater quality monitoring will be further reviewed with USEPA.

- Routine maintenance activities will be conducted, including cap vegetation control and inspection of spill control materials and perimeter fence. Snow removal will be performed on an as needed basis throughout the winter months. These maintenance activities will be performed in accordance with the approved Work Plan.

- Continue to work cooperatively with USEPA as necessary to finalize the Institutional Control Plan. Implement the final Institutional Control Plan following receipt of USEPA's approval.

- The schedule for leachate removal events and monitoring tasks for the *third and fourth quarters of 2004* is provided below.

3rd Quarter 2004
LEACHATE REMOVAL EVENTS AND TASK SCHEDULE

	July 2004 Removal Event	August 2004 Removal Event	September 2004 Removal Event	Task
Pre-pumping Monitoring	Jul 12	Aug 2	Sept 13	LCW- and SWW- Series Wells for Jul, Aug, Sept LCW-, SWW-, M-, and LR-Series Wells for Aug
Removal	Jul 14	Aug 4	Sept 15	Remove leachate from LCW-1, -2, -3, and -4 wells. (LCW-4 dependent on levels measured on Aug 2)

Note: The routine contingency monitoring / removal event protocol will not be implemented unless more than 15,000 gallons of leachate is available for removal, at such time the contingency removal may be re-implemented.

4th Quarter 2004
LEACHATE REMOVAL EVENTS AND TASK SCHEDULE

	October 2004 Removal Event	November 2004 Removal Event	December 2004 Removal Event	Task
Pre-pumping Monitoring	Oct 4	Nov 8 (semi-annual monitoring)	Dec 6	LCW- and SWW- Series Wells for Oct, Nov, Dec LCW-, SWW-, M-, and LR-Series Wells for Nov
Removal	Oct 6	Nov 10	Dec 8	Remove leachate from LCW-1, -2, -3, and -4 wells. (LCW-4 dependent on levels measured on Nov 8)

Note: The routine contingency monitoring / removal event protocol will not be implemented unless more than 15,000 gallons of leachate is available for removal, at such time the contingency removal may be re-implemented.

- The schedule for leachate removal events and monitoring tasks for the *first and second quarters of 2005* is provided below.

1st Quarter 2005 LEACHATE REMOVAL EVENTS AND TASK SCHEDULE						
	January 2005 Removal Event		**February 2005 Removal Event**		**March 2005 Removal Event**	**Task**
Pre-pumping Monitoring	Jan 3		Feb 7		Mar 7	LCW- and SWW- Series Wells for Jul, Aug, Sept LCW-, SWW-, M-, and LR-Series Wells for Feb
Removal	Jan 5		Feb 9		Mar 9	Remove leachate from LCW-1, -2, -3, and -4 wells. (LCW-4 dependent on levels measured on Feb 7)

Note: The routine contingency monitoring / removal event protocol will not be implemented unless more than 15,000 gallons of leachate is available for removal, at such time the contingency removal may be re-implemented.

2nd Quarter 2005 LEACHATE REMOVAL EVENTS AND TASK SCHEDULE						
	April 2005 Removal Event		**May 2005 Removal Event**		**June 2005 Removal Event**	**Task**
Pre-pumping Monitoring	Apr 4		May 2 (semi-annual monitoring)		Jun 6	LCW- and SWW- Series Wells for Apr, May & Jun; LCW-, SWW-, M-, and LR-Series Wells for May
Removal	Apr 6		May 4		Jun 8	Remove leachate from LCW-1, -2, -3, and -4 wells. (LCW-4 dependent on levels measured on May 2)

Note: The routine contingency monitoring / removal event protocol will not be implemented unless more than 15,000 gallons of leachate is available for removal, at such time the contingency removal may be re-implemented.