II - C

1ST QUARTER REPORT - 2011

QUARTERLY PROGRESS REPORT - 1st QUARTER 2011

Operation, Maintenance and Long-term Monitoring Activities

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

PERIOD COVERED: January – March (1st Quarter) 2011

ACTIONS TAKEN DURING QUARTER:

- Leachate removal and site maintenance and monitoring activities were conducted at the Pollution Abatement Services (PAS) site (Site) in Oswego, New York by O'Brien & Gere Operations LLC, (O'Brien & Gere) consistent with the PAS Site Operation, Maintenance and Long-term Monitoring Plan (Work Plan).

- A total of 30,010 gallons of leachate were removed during the period of January 2011 thru March 2011. Specific quantities of leachate removed during each month, along with historical leachate removal documentation, are described in this quarterly progress report.

- Leachate was pumped from the Site and discharged into the City of Oswego sanitary sewer system. Leachate discharged into the Oswego sewer system was treated and disposed in Oswego's Eastside Wastewater Treatment Facility located at 71 Mercer St. in Oswego.

- Routine ground water elevation monitoring was performed at the Site on January 5, February 9 and March 2, 2011. Monthly ground-water elevation monitoring results for the SWW-series monitoring wells (SWW-1 through SWW-12), and leachate collection wells (LCW-1 through LCW- 4) were recorded on the Groundwater Elevation Monitoring Log.

- On February 9, 2011, quarterly ground-water elevation monitoring was performed at the Site. Quarterly ground-water elevation monitoring results for the M-series wells - M-21 thru M-23, the LR-series wells - LR-2, -3, -6 and -8, the LD-series wells - LD-3, -4, -5, -6, and -8, along with wells OS-1 and -3, OI-1, OD-3 and LS-6 were recorded onto the Ground-water Elevation Monitoring Log.

- Site inspection and maintenance activities were conducted monthly, in conjunction with each leachate removal event. In addition, quarterly site inspection and maintenance activities were completed on March 30, 2011. Inspection and maintenance activities at this site included the following:

    - Visually inspected the slurry wall containment vegetated cap for signs of burrowing vermin or surface anomalies. No discrepancies were reported.

- Visually inspected the leachate collection system pumping equipment to verify proper operation. The field technician inspected each pump control panel to ensure control systems were generally free of rodents and insects, and where properly operating. The leachate holding tank was visually inspected for integrity, as were the leachate tank's steel roof, and wood structure. No discrepancies were reported.

- Visually inspected the wooden utility shed and leachate pumping equipment, including centrifuge discharge pump, flow meter, suction hose, pump oil levels, heat trace power panel, interior lighting, exterior and interior shed structure, and main power distribution panel. No discrepancies were reported.

- The single french drainage system and two concrete troughs were inspected. No discrepancies were reported.

- The perimeter security fence was inspected on March 30, 2011 to ensure the integrity and the security of the site is maintained. Security fencing was inspected for the presence of any fallen tree limbs or overgrown vegetation. The field technician removed shallow rooted vegetation or other similar vegetation that had grown up along the security fence, or had fallen onto the fence from the bordering woodlands. A section of the perimeter fence in a low-lying area along the northeastern property line was observed to be in need of additional brush-clearing and fence straightening.

- During the month of January and March, accumulated snowfall was removed from the sites access road and gate area using a snow plow mounted onto a service truck. Accumulated snow was pushed off from the sites entry road piled onto the paved parking area adjacent to the wooden storage shed.

- The Site Inspection Checklist form was utilized to document any comments pertaining to site conditions referenced above.

- On January 5, February 9 and March 2, 2011, an O'Brien & Gere performed the monthly pre-pumping collection system inspection, of leachate collection wells LCW-1, 2, & 4, along with inspection of the leachate discharge pumping system. The leachate pumping system consists of one electrically powered leachate discharge pump, flow totalizer and leachate sampling port, all located within the on-site utility shed. In advance of each leachate removal event, O'Brien & Gere contacted the City of Oswego Eastside Wastewater Treatment Facility official, to inform the City of the date leachate was planned to be discharged into the City of Oswego sanitary sewer system. The date of each leachate pumping event was acknowledged by the City of Oswego, prior to the commencement of each discharge event.

- Upon completing the monthly leachate collection well inspection, the technician manually energized three leachate collection pumps, identified as LCW-1, LCW-2 and LCW-4, in order to pump the planned volume of leachate into the leachate collection tank. The run time from each leachate collection pump, along with the leachate tank level taken upon completion of well pumping, was recorded on the Leachate Disposal Checklist.

- During the months of January, February and March 2011, O'Brien & Gere pumped 30,010 gallons of leachate from the leachate collection tank into the City of Oswego sanitary sewer system. The amount of leachate discharged during each removal event, along with flow totalizer, pH and temperature readings, were recorded on the Leachate Disposal Checklist completed for each removal event. The level of leachate remaining in the leachate collection tank after each leachate discharge pumping event is also recorded on the Leachate Disposal Checklist. Each monthly leachate discharge was performed using same discharge protocols.

- On March 2, 2011, one semi-annual leachate discharge composite sample was collected by O'Brien & Gere as required by the City of Oswego wastewater discharge permit. The sample was collected for analysis by compositing three grab samples taken from the leachate discharge pump sample port. The sample chain of custody was completed, and the sample delivered to Life Sciences Laboratories at the completion of the March 2, 2011 pumping activities.

- Upon completing each monthly removal event, the leachate discharge system was drained of residual leachate and prepared for storage. Residual leachate removed was disposed into the leachate collection tank. The leachate collection tank enclosure door was locked and secured. The discharge piping heat trace system was verified to be on, and the utility shed secured prior to leaving the site, O'Brien & Gere closed and secured the chain lock at the main entrance gate.

DOCUMENTATION OF REMOVAL ACTIVITIES DURING QUARTER:

- The completed ground-water elevation monitoring logs for the monitoring events performed on January 5, February 9 and March 2, 2011 are attached. (See Attachment C-1)

- The completed Site Inspection Checklist forms for the monthly removal events of January 5, February 9 and March 2, 2011 are attached (See Attachment C-2).

- The completed Leachate Disposal Checklist forms for the monthly removal events of January 5, February 9 and March 2, 2011 are attached. (See Attachment C-2)

- A copy of the PAS Oswego Site quarterly discharge report (1st quarter 2011) submitted to the City of Oswego on April 26, 2011 is attached. (See Attachment C-3). This quarterly discharge report includes the semi-annual leachate quality discharge sampling results conducted for the City of Oswego Wastewater Discharge Permit. The date of the leachate discharge sampling, along with the discharge flow totalizer, pH and temperature readings, are recorded on the attached March 2, 2011 Leachate Disposal Checklist forms included herein.

ATTACHMENT C-1

GROUND-WATER ELEVATION DATA

O'Brien G[illegible] Operation
PA [illegible]te
Oswego, New York
Pre-Pumping Monitoring Well Levels

January 5, 2011
9:00 AM

Well	Ground	Riser		January 2010				Within Range?			Ground-Water
Number	Elevation	Elevation		Reading 1	Reading 2	Reading 3	Average	Low	High	Y / N	Elevation
SWW1	286.20	289.33		8.66	8.66	8.66	8.64	8.24	9.06	Yes	280.67
SWW2	286.30	289.37		15.32	15.32	15.32	15.71	14.97	16.35	Yes	274.05
SWW3	286.00	286.50		16.92	16.92	16.92	16.83	16.12	17.33	Yes	269.58
SWW4	282.90	283.60		14.10	14.10	14.10	13.92	12.10	15.05	Yes	269.50
SWW5	275.90	277.02		13.14	13.14	13.14	12.95	12.18	13.56	Yes	263.88
SWW6	270.90	273.06		8.32	8.32	8.32	8.34	7.54	8.90	Yes	264.74
SWW7	273.30	277.93		7.84	7.84	7.84	8.08	7.46	8.50	Yes	270.09
SWW8	275.70	278.24		3.65	3.65	3.65	4.07	3.35	5.02	Yes	274.59
SWW9	283.30	285.55		16.64	16.64	16.64	17.45	16.02	18.64	Yes	268.91
SWW10	279.30	280.43		9.96	9.96	9.96	10.40	8.80	11.48	Yes	270.47
SWW11	271.00	273.50		9.15	9.15	9.15	9.13	8.42	9.85	Yes	264.35
SWW12	270.20	272.82		8.24	8.24	8.24	8.68	7.93	9.12	Yes	264.58
LCW-1	271.40	272.21		8.80	8.80	8.80	8.59	7.78	9.50	Yes	263.41
LCW-2	272.60	274.44		11.06	11.06	11.06	10.84	10.03	11.74	Yes	263.38
LCW-3	283.30	284.36		17.50	17.50	17.50	17.81	17.48	18.43	Yes	266.86
LCW-4	283.80	285.70		19.08	19.08	19.08	18.32	16.80	19.54	Yes	266.62
OS-1	269.63	272.10									
OI-1	269.14	272.00									
OS-3	274.63	277.89									
OD-3	274.96	277.85									
LD-3	275.80	278.62									
LD-4	276.30	279.25									
LD-5	270.02	272.94									
LS-6	271.40	274.14									
LD-6	270.09	274.03									
LD-8	269.90	272.83									
LR-2	287.50	289.85									
LR-3	275.50	278.06									
LR-6	270.90	274.39									
LR-8	270.00	273.42									
M-21	270.28	272.32									
M-22	270.40	273.88									
M-23	267.98	270.49									

O'Brien G[illegible] Operation
PA [illegible]te
Oswego, New York
Pre-Pumping Monitoring Well Levels

February 9, 2011
7:45 AM

Well	Ground	Riser		February 2010				Within Range?			Ground-Water
Number	Elevation	Elevation		Reading 1	Reading 2	Reading 3	Average	Low	High	Y / N	Elevation
SWW1	286.20	289.33		9.52	9.52	9.52	9.17	8.11	9.74	Yes	279.81
SWW2	286.30	289.37		15.26	15.26	15.26	15.69	15.15	16.08	Yes	274.11
SWW3	286.00	286.50		16.96	16.96	16.96	17.20	16.37	19.94	Yes	269.54
SWW4	282.90	283.60		14.10	14.10	14.10	14.62	12.55	15.58	Yes	269.50
SWW5	275.90	277.02		13.24	13.24	13.24	13.04	12.55	13.58	Yes	263.78
SWW6	270.90	273.06		7.90	7.90	7.90	8.53	8.10	8.90	No	265.16
SWW7	273.30	277.93		8.02	8.02	8.02	8.08	7.63	8.30	Yes	269.91
SWW8	275.70	278.24		3.94	3.94	3.94	4.08	3.80	4.30	Yes	274.30
SWW9	283.30	285.55		17.15	17.15	17.15	17.18	16.40	18.00	Yes	268.40
SWW10	279.30	280.43		10.80	10.80	10.80	11.26	9.20	12.40	Yes	269.63
SWW11	271.00	273.50		9.64	9.64	9.64	9.09	8.47	9.71	Yes	263.86
SWW12	270.20	272.82		9.02	9.02	9.02	8.79	8.35	9.20	Yes	263.80
LCW-1	271.40	272.21		8.86	8.86	8.86	8.51	7.90	9.22	Yes	263.35
LCW-2	272.60	274.44		11.10	11.10	11.10	10.75	10.14	11.46	Yes	263.34
LCW-3	283.30	284.36		17.54	17.54	17.54	17.74	17.55	18.26	No	266.82
LCW-4	283.80	285.70		18.52	18.52	18.52	18.31	17.35	19.42	Yes	267.18
OS-1	269.63	272.10		10.65	10.65	10.65	9.64	8.34	10.80	Yes	261.45
OI-1	269.14	272.00		11.48	11.48	11.48	11.16	10.90	11.20	No	260.52
OS-3	274.63	277.89		14.62	14.62	14.62	13.83	13.32	14.05	No	263.27
OD-3	274.96	277.85		14.38	14.38	14.38	13.67	13.20	13.91	No	263.47
LD-3	275.80	278.62		4.42	4.42	4.42	4.31	4.18	4.36	No	274.20
LD-4	276.30	279.25		10.2	10.20	10.20	10.33	9.84	11.23	Yes	269.05
LD-5	270.02	272.94		9.48	9.48	9.48	8.97	8.63	8.92	No	263.46
LS-6	271.40	274.14		11.28	11.28	11.28	9.90	8.75	10.02	No	262.86
LD-6	270.09	274.03		10.82	10.82	10.82	10.09	9.58	10.07	No	263.21
LD-8	269.90	272.83		8.04	8.04	8.04	7.11	6.56	7.28	No	264.79
LR-2	287.50	289.85		13	13.00	13.00	12.94	12.64	13.30	Yes	276.85
LR-3	275.50	278.06		7.94	7.94	7.94	8.00	7.90	8.12	Yes	270.12
LR-6	270.90	274.39		10.55	10.55	10.55	10.33	10.18	10.29	No	263.84
LR-8	270.00	273.42		10.05	10.05	10.05	9.71	9.45	9.73	No	263.37
M-21	270.28	272.32		10.44	10.44	10.44	9.58	9.18	9.40	No	261.88
M-22	270.40	273.88		9.62	9.62	9.62	10.04	10.11	10.22	No	264.26
M-23	267.98	270.49		12.6	12.60	12.60	12.43	12.05	12.65	Yes	257.89

O'Brien G[illegible] Operation
P[illegible]te
Oswego, New York
Pre-Pumping Monitoring Well Levels

March 2, 2011
7:30 AM

Well	Ground	Riser		March 2010				Within Range?			Ground-Water
Number	Elevation	Elevation		Reading 1	Reading 2	Reading 3	Average	Low	High	Y / N	Elevation
SWW1	286.20	289.33		8.36	8.36	8.36	8.82	8.30	9.48	Yes	280.97
SWW2	286.30	289.37		15.02	15.02	15.02	15.52	15.21	16.02	No	274.35
SWW3	286.00	286.50		16.75	16.75	16.75	16.86	16.52	17.38	Yes	269.75
SWW4	282.90	283.60		12.94	12.94	12.94	14.40	13.42	15.33	No	270.66
SWW5	275.90	277.02		12.54	12.54	12.54	12.87	12.33	13.46	Yes	264.48
SWW6	270.90	273.06		7.68	7.68	7.68	8.37	7.96	8.92	No	265.38
SWW7	273.30	277.93		7.66	7.66	7.66	7.86	7.28	8.20	Yes	270.27
SWW8	275.70	278.24		3.80	3.80	3.80	3.99	3.66	4.31	Yes	274.44
SWW9	283.30	285.55		16.54	16.54	16.54	16.86	16.12	17.75	Yes	269.01
SWW10	279.30	280.43		9.92	9.92	9.92	10.60	9.54	12.26	Yes	270.51
SWW11	271.00	273.50		8.60	8.60	8.60	8.89	8.20	9.60	Yes	264.90
SWW12	270.20	272.82		7.80	7.80	7.80	8.55	8.18	9.00	No	265.02
LCW-1	271.40	272.21		8.00	8.00	8.00	8.08	7.55	8.92	Yes	264.21
LCW-2	272.60	274.44		10.24	10.24	10.24	10.32	9.80	11.15	Yes	264.20
LCW-3	283.30	284.36		17.50	17.50	17.50	17.74	17.52	18.07	No	266.86
LCW-4	283.80	285.70		18.48	18.48	18.48	18.27	17.48	19.16	Yes	267.22
OS-1	269.63	272.10									
OI-1	269.14	272.00									
OS-3	274.63	277.89									
OD-3	274.96	277.85									
LD-3	275.80	278.62									
LD-4	276.30	279.25									
LD-5	270.02	272.94									
LS-6	271.40	274.14									
LD-6	270.09	274.03									
LD-8	269.90	272.83									
LR-2	287.50	289.85									
LR-3	275.50	278.06									
LR-6	270.90	274.39									
LR-8	270.00	273.42									
M-21	270.28	272.32									
M-22	270.40	273.88									
M-23	267.98	270.49									

ATTACHMENT C-2

SITE INSPECTION CHECKLIST
AND LEACHATE DISPOSAL CHECKLIST

O'BRIEN & GERE

PAS Oswego
Oswego, NY

Site Inspection Checklist

Date 1-5-11 Time 9:00

Field Technician MARTIN Koenwecke Weather Conditions P-Sunny 26°

Inspection Features	Check √	Remarks
Land Cap		
Signs of burrowing vermin	✓	SNOW COVERED
Land cap irregularities (note anomaly)	✓	OK
French drainage system clear and function able	✓	SNOW COVERED 12"-16"
Concrete trough clear and function able	✓	OK
Leachate Discharge System		
City of Oswego sanitary discharge valve positioned "Open"	✓	Yes
Discharge Pump inspected & operational	✓	Yes
Discharge pump oil level verified prior to use.	✓	Yes
Discharge pump drained of residual water (drained upon completion of use)	✓	Yes
Heat trace system operational & verified in the "ON" position (during wintertime periods)	✓	ON
Flow totalizer operational. Flow readings recorded onto "Leachate Discharge Form"	✓	Yes
Leachate Collection System		
Leachate holding tank visually inspected for structural integrity	✓	OK
Leachate holding tank metal roof inspected for structural integrity	✓	OK
Leachate tank access doors locked (post pumpout)	✓	Yes
Pump power panel(s) secured	✓	Yes
Monitoring Wells (MW)		
Locks installed	✓	OK

MW's marked & identifiable	✓	Yes
General Site Condition		
Trees & brush cleared off security fence	✓	WORK IN PROGRESS
Perimeter security fence intact & free of damage	✓	OK
Site access driveway inspected	✓	PLOWED SNOW
Security access gates function able	✓	OK
Site gate signage intact	✓	OK
Interior & exterior of utility storage shed inspected for damage & secure with locks	✓	Yes
Fire extinguisher serviceable, inspected, and inspection recorded	✓	Yes
Spill control material inspected & adequate	✓	STOCKED
PPE available and utilized as required	✓	STOCKED
Emergency contact information posted within shed	✓	Yes

Additional remarks (use separate sheet is required)

MONTHLY well Levels, SITE Inspection, Pump 10,000 gal. To City of Oswego. PLOWED SITE DRIVE APP. 12" new SNOW

O'BRIEN & GERE

PAS Oswego
Oswego, NY

Site Inspection Checklist

Date 2-9-11 Time 7:45

Field Technician MARTIN Koernake Weather Conditions P- Sunny 8°

Inspection Features	Check √	Remarks
Land Cap		
Signs of burrowing vermin	✓	SNOW COVERED
Land cap irregularities (note anomaly)	✓	" "
French drainage system clear and function able	✓	OK
Concrete trough clear and function able	✓	OK
Leachate Discharge System		
City of Oswego sanitary discharge valve positioned "Open"	✓	Yes
Discharge Pump inspected & operational	✓	Yes
Discharge pump oil level verified prior to use.	✓	Yes
Discharge pump drained of residual water (drained upon completion of use)	✓	Yes
Heat trace system operational & verified in the "ON" position (during wintertime periods)	✓	ON
Flow totalizer operational. Flow readings recorded onto "Leachate Discharge Form"	✓	Yes
Leachate Collection System		
Leachate holding tank visually inspected for structural integrity	✓	OK
Leachate holding tank metal roof inspected for structural integrity	✓	OK
Leachate tank access doors locked (post pumpout)	✓	Yes
Pump power panel(s) secured	✓	Yes
Monitoring Wells (MW)		
Locks installed	✓	OK

2-9-11

MW's marked & identifiable	✓	Yes
General Site Condition		
Trees & brush cleared off security fence	✓	
Perimeter security fence intact & free of damage	✓	OK
Site access driveway inspected	✓	SNOW COVERED
Security access gates function able	✓	OK
Site gate signage intact	✓	OK
Interior & exterior of utility storage shed inspected for damage & secure with locks	✓	Yes
Fire extinguisher serviceable, inspected, and inspection recorded	✓	NEED INS. NEXT MONTH
Spill control material inspected & adequate	✓	STOCKED
PPE available and utilized as required	✓	STOCKED
Emergency contact information posted within shed	✓	Yes

Additional remarks (use separate sheet is required)

QUARTERLY well Levels, PUMPED 10,010 gallons Leachate To City of Oswego

O'BRIEN & GERE

PAS Oswego
Oswego, NY

Site Inspection Checklist

Date 3-2-11 Time 7:30

Field Technician MARTin Koennecke Weather Conditions WINDY, 28° SNOW SQUALS

Inspection Features	Check √	Remarks
Land Cap		
Signs of burrowing vermin	✓	NONE VISABLE
Land cap irregularities (note anomaly)	✓	OK SNOW COVERED
French drainage system clear and function able	✓	SNOW COVERED
Concrete trough clear and function able	✓	" "
Leachate Discharge System		
City of Oswego sanitary discharge valve positioned "Open"	✓	Yes
Discharge Pump inspected & operational	✓	Yes
Discharge pump oil level verified prior to use.	✓	Yes
Discharge pump drained of residual water (drained upon completion of use)	✓	Yes
Heat trace system operational & verified in the "ON" position (during wintertime periods)	✓	ON
Flow totalizer operational. Flow readings recorded onto "Leachate Discharge Form"	✓	Yes
Leachate Collection System		
Leachate holding tank visually inspected for structural integrity	✓	OK
Leachate holding tank metal roof inspected for structural integrity	✓	OK
Leachate tank access doors locked (post pumpout)	✓	Yes
Pump power panel(s) secured	✓	Yes
Monitoring Wells (MW)		
Locks installed	✓	OK

3-2-11

MW's marked & identifiable	✓	OK
General Site Condition		
Trees & brush cleared off security fence	✓	WORK IN PROGRESS
Perimeter security fence intact & free of damage	✓	OK
Site access driveway inspected	✓	OK PLOW SNOW
Security access gates function able	✓	OK
Site gate signage intact	✓	OK
Interior & exterior of utility storage shed inspected for damage & secure with locks	✓	Yes
Fire extinguisher serviceable, inspected, and inspection recorded	✓	OK
Spill control material inspected & adequate	✓	STOCKED
PPE available and utilized as required	✓	STOCKED
Emergency contact information posted within shed	✓	Yes

Additional remarks (use separate sheet is required)

Monthly well Levels, Pump To Leachate Tank Discharged 10,000 gallons, semi Annual Tank Samples Taken 1215.

O'BRIEN & GERE

PAS Oswego
Oswego, NY

Site Inspection Checklist

Date 3-30-11 Qtrly Time 8:00Am

Field Technician MARTin Koennecke Weather Conditions P-Sunny 45°

Inspection Features	Check √	Remarks (Fence MAinTance)
Land Cap		
Signs of burrowing vermin	✓	NONE VISABLE
Land cap irregularities (note anomaly)	✓	OK
French drainage system clear and function able	✓	OK
Concrete trough clear and function able	✓	WinTer DeBRIS
Leachate Discharge System		
City of Oswego sanitary discharge valve positioned "Open"	✓	Yes
Discharge Pump inspected & operational	✓	Yes
Discharge pump oil level verified prior to use.	✓	Yes
Discharge pump drained of residual water (drained upon completion of use)	✓	Yes
Heat trace system operational & verified in the "ON" position (during wintertime periods)	✓	ON
Flow totalizer operational. Flow readings recorded onto "Leachate Discharge Form"	✓	Yes
Leachate Collection System		
Leachate holding tank visually inspected for structural integrity	✓	OK
Leachate holding tank metal roof inspected for structural integrity	✓	OK
Leachate tank access doors locked (post pumpout)	✓	Yes
Pump power panel(s) secured	✓	Yes
Monitoring Wells (MW)		
Locks installed	✓	OK

MW's marked & identifiable	✓	OK
General Site Condition		
Trees & brush cleared off security fence	✓	WORK IN PROGRESS
Perimeter security fence intact & free of damage	✓	AREA IN SWAMP NEEDS REPAIR
Site access driveway inspected	✓	OK
Security access gates function able	✓	OK
Site gate signage intact	✓	OK
Interior & exterior of utility storage shed inspected for damage & secure with locks	✓	Yes
Fire extinguisher serviceable, inspected, and inspection recorded	✓	OK
Spill control material inspected & adequate	✓	STOCKED
PPE available and utilized as required	✓	STOCKED
Emergency contact information posted within shed	✓	Yes

Additional remarks (use separate sheet is required)

MAINTENANCE ON FENCE BRUSH
WORKED ON CLEARING BRUSH ON PERIMETER FENCE
CUT UP TREE, CLEARED LIMBS off FENCE ON NORTH EAST SECTION of FENCE.

O'BRIEN & GERE

PAS Site
Oswego, New York

Leachate Discharge Form

Date: 1-5-11 Time: 9:00

Field Technician MARTIN Koennecke Weather Conditions P-Sunny 26°

Well Pump	*Pre-Discharge Well Pumping*				
	Pump Start Time	**Pump Stop Time**	**Tank Elevation**	**Flow Rate (est)**	**Gallons Pumped (est)**
LCW-1	11:00	12:20	7.5" - START	36.5" = 11,132 gal ÷ 80 min = 139 GPM.	80 min = 139 GPM
LCW-2	11:00	12:20	44" - STOP		
LCW-3	NOT PUMPED				
LCW-4	11:00	12:20	After Pump OUT - 11.5"		
				Total	

Discharge #	*Leachate Discharge Pumping(Monthly)*						
	Start Time	**Stop Time**	**pH**	**Temp**	**Totalizer Flow Total (Start)**	**Totalizer Flow Total (End)**	**Gallons Discharge**
Discharge #1	12:45	14:42	6.78	45°	60,000	70 000	10,000
Discharge #2							
Total	10000 gal ÷ 117 min = 85.4 GPM					32.5" = 9912.5 gal	

	Leachate Discharge Sampling (Semi-Annually)					
	Date	**Sample Location**	**Sample Volume**	**Sample Time**	**pH**	**Temperature**
Sample #1						
Sample #2 (if required)						

Pump – 8" VAC, 0-PSI DISCHARGE (STARTED 12:25 - PRIMED AT 12:43 PUMP)

DISCHARGE PUMP - 5200 GAL. IN 60 MIN = 86.6 GPM

O'BRIEN & GERE

PAS Site
Oswego, New York

Leachate Discharge Form

Date: 2-9-11 Time: 9:45

Field Technician MARTIN Koenecke Weather Conditions P-Sunny 8°

Well Pump	*Pre-Discharge Well Pumping*				
	Pump Start Time	**Pump Stop Time**	**Tank Elevation**	**Flow Rate (est)**	**Gallons Pumped (est)**
LCW-1	9:45	10 45		= 165 GPM	
LCW-2	9:45	1045			
LCW-3	NOT PUMPED				
LCW-4	9:45	10:45 START 11.5"	STOP 43"	@ After pump out TANK END	10.5"
				Total	32.5" x 305 = 9912

Discharge #	*Leachate Discharge Pumping(Monthly)*						
	Start Time	**Stop Time**	**pH**	**Temp**	**Totalizer Flow Total (Start)**	**Totalizer Flow Total (End)**	**Gallons Discharge**
Discharge #1	11:00	13:00	6.8	42°	70,000	80,010	10,010
Discharge #2							
Total							10,010

	Leachate Discharge Sampling (Semi-Annually)					
	Date	**Sample Location**	**Sample Volume**	**Sample Time**	**pH**	**Temperature**
Sample #1						
Sample #2 (if required)						

O'BRIEN & GERE

PAS Site
Oswego, New York

Leachate Discharge Form

Date: 3-2-11 Time: 7:30

Field Technician MARTIN KOEMECKE Weather Conditions WINDY, 28° SNOW SQUALLS

Well Pump	*Pre-Discharge Well Pumping*				
	Pump Start Time	**Pump Stop Time**	**Tank Elevation**	**Flow Rate (est)**	**Gallons Pumped (est)**
LCW-1	9:40	10 40			
LCW-2	9 40	10 40	10,000 ÷ 60 min =	166 GPM	
LCW-3	NOT PUMPED				
LCW-4	9 40	10 40			
			PUMPED OUT 32.95" Total		10,000

START - 10.5" STOP 43" AFTER PUMP OUT - 10.25"

Discharge #	*Leachate Discharge Pumping(Monthly)*						
	Start Time	**Stop Time**	**pH**	**Temp**	**Totalizer Flow Total (Start)**	**Totalizer Flow Total (End)**	**Gallons Discharge**
Discharge #1	1050	12:50	6.4	42°	80,010	90,010	10,000
Discharge #2							
Total							

	Leachate Discharge Sampling (Semi-Annually)					
	Date	**Sample Location**	**Sample Volume**	**Sample Time**	**pH**	**Temperature**
Sample #1	3-2-11	Effluent	comp.	12:15	6.4	42°
Sample #2 (if required)						

ATTACHMENT C-3

CITY OF OSWEGO DISCHARGE REPORT
1ST QUARTER REPORT

de maximis, inc.

2975 Bee Ridge Road
Suite C
Sarasota, FL 34239
(941) 926-7929

April 26, 2011

Mr. Anthony A. Leotta, P.E.
City Engineer
City Hall
Oswego, New York 13126

Re: Quarterly Discharge Report – 1st Quarter 2011
Pollution Abatement Services Site – Oswego, New York
City of Oswego Wastewater Discharge Permit 6-2010-13

Dear Mr. Leotta:

This quarterly report is submitted in accordance with the City of Oswego Wastewater Discharge Permit 6-2010-13 (Permit) for discharge of leachate from the Pollution Abatement Services (PAS) Site into the City of Oswego's Eastside Wastewater Treatment Facility. This is the second quarterly report submitted and covers the period from January 2011 through March 2011.

The total gallons of leachate discharged during the first quarter of 2011 totals 30,010 gallons. The amount of leachate discharged during each monthly removal event is summarized in Table 1. A completed Leachate Discharge Form is attached documenting each leachate removal event in Attachment I. The flow totalizer readings documenting quantities discharged, as well as date and time of each discharge event is provided on this form. Measurements for pH and temperature are also recorded in the Leachate Discharge Form.

We performed the first semi-annual leachate sampling event for 2011 during the March 2, 2011 discharge event in accordance with the requirements of the Permit. The sample was submitted to Life Science Laboratories in E. Syracuse, New York. The leachate sampling results are summarized in Table 1. The Life Sciences lab report is provided in Attachment II.

If you need additional information please call me at (941) 926-7929.

Sincerely,

Mark Valentine

Attachments

CC: Michael Coffey – City of Oswego w/attach
PAS Oswego Site Management Committee w/attach

TABLE 1 - PAS OSWEGO SITE QUARTERLY REPORT FOR CITY OF OSWEGO (April 2011)
LEACHATE DISCHARGE TO OSWEGO EASTSIDE WASTEWATER TREATMENT FACILITY

4Q 2010		1Q 2011		2Q 2011		3Q 2011		4Q 2011	
Date Discharged	**Gallons**	**Date Discharged**	**Gallons**	**Date Discharged**	**Gallons**	**Date Discharged**	**Gallons**	**Date Discharged**	**Gallons**
10/28/2010	20,000	1/5/2011	10,000						
11/2/2010	20,000	2/9/2011	10,010						
12/6/2010	20,000	3/2/2011	10,000						
Total Discharged	60,000		30,010		0		0		0
Date Sampled	10/28/11		3/2/11*						
Analytes	mg/L		mg/L		mg/L		mg/L		mg/L
Cyanide	ND		ND						
Cadmium	ND		ND						
Chromium (total)	0.015		0.014						
Copper	ND		0.011						
Lead	ND		ND						
Nickel	0.58		0.65						
Silver	ND		ND						
Zinc	ND		ND						
Mercury	ND		ND						
BOD 5	13		32						
TSS	9		93						
Phenolics	0.14		0.11						
pH	7.15		6.4						

** Life Sciences lab results for this sampling event are included in Attachment II.*

Prpared by de maximis, inc. 4/25/2011

ATTACHMENT I

LEACHATE DISCHARGE FORMS

O'BRIEN & GERE

PAS Site
Oswego, New York

Leachate Discharge Form

Date: 1-5-11 Time: 9:00

Field Technician MARTIN Koennecke Weather Conditions P-Sunny 26°

Well Pump	*Pre-Discharge Well Pumping*				
	Pump Start Time	Pump Stop Time	Tank Elevation	Flow Rate (est)	Gallons Pumped (est)
LCW-1	11:00	12:20	7.5" - START	36.5" = 11,132 gal ÷ 80 min = 139 GPM	
LCW-2	11:00	12:20	44" - STOP		
LCW-3	NOT PUMPED				
LCW-4	11:00	12:20	After Pump out - 11.5"		
				Total	

Discharge #	*Leachate Discharge Pumping (Monthly)*						
	Start Time	Stop Time	pH	Temp	Totalizer Flow Total (Start)	Totalizer Flow Total (End)	Gallons Discharge
Discharge #1	12.45	14:42	6.78	45°	60,000	70 000	10,000
Discharge #2							
Total	10000 gal ÷ 117 min = 85.4 GPM					32.5" = 9912.5 gal	

	Leachate Discharge Sampling (Semi-Annually)					
	Date	Sample Location	Sample Volume	Sample Time	pH	Temperature
Sample #1						
Sample #2 (if required)						

Pump - 8" VAC, 0-PSI DISCHARGE (STARTED 12:25 - PRIMED AT 12:43 PUMP)

DISCHARGE PUMP - 5200 GAL. in 60 min = 86.6 GPM

O'BRIEN & GERE

PAS Site
Oswego, New York

Leachate Discharge Form

Date: 2-9-11 Time: 9:45

Field Technician MARTIN Kocmiecky Weather Conditions P-Sunny 8°

Well Pump	*Pre-Discharge Well Pumping*				
	Pump Start Time	Pump Stop Time	Tank Elevation	Flow Rate (est)	Gallons Pumped (est)
LCW-1	9:45	10 45		= 165 GPM	
LCW-2	9:45	1045			
LCW-3	NOT PUMPED				
LCW-4	9:45	10:45 START 11.5" STOP 43"		After pump out TANK END	10.5"
				Total	32.5" x 305 = 9912

Discharge #	*Leachate Discharge Pumping(Monthly)*						
	Start Time	Stop Time	pH	Temp	Totalizer Flow Total (Start)	Totalizer Flow Total (End)	Gallons Discharge
Discharge #1	11:00	13:00	6.8	42°	70,000	80,010	10,010
Discharge #2							
Total							10,010

	Leachate Discharge Sampling (Semi-Annually)					
	Date	Sample Location	Sample Volume	Sample Time	pH	Temperature
Sample #1						
Sample #2 (if required)						

O'BRIEN & GERE

PAS Site
Oswego, New York

Leachate Discharge Form

Date: 3-2-11 Time: 7:30

Field Technician MARTIN Koenecke Weather Conditions WINDY, 28° SNOW SQUALS

Well Pump	*Pre-Discharge Well Pumping*				
	Pump Start Time	Pump Stop Time	Tank Elevation	Flow Rate (est)	Gallons Pumped (est)
LCW-1	9:40	10 40			
LCW-2	940	10 40	10,000 ÷ 60 min = 166 GPM		
LCW-3	NOT PUMPED				
LCW-4	940	10 40			
			PUMPED OUT 32.75" Total		10,000

START - 10.5" STOP 43" After Pump out - 10.25"

Discharge #	*Leachate Discharge Pumping(Monthly)*						
	Start Time	Stop Time	pH	Temp	Totalizer Flow Total (Start)	Totalizer Flow Total (End)	Gallons Discharge
Discharge #1	1050	12:50	6.4	42°	80,010	90,010	10,000
Discharge #2							
Total							

	Leachate Discharge Sampling (Semi-Annually)					
	Date	Sample Location	Sample Volume	Sample Time	pH	Temperature
Sample #1	3-2-11	Effluent	comp.	12:15	6.4	42°
Sample #2 (if required)						

ATTACHMENT II

LEACHATE SAMPLING LAB REPORT

Life Science Laboratories, Inc.
5854 Butternut Drive
East Syracuse, NY 13057 (315) 445-1105

Wednesday, March 16, 2011

Kevin Stone
O'Brien & Gere Inc. of North America
555 E Genesee Street
Fayetteville, NY 13066

TEL: 315-637-2234

Project: PAS OSWEGO SEMI-ANNUAL EFFLUENT
RE: Analytical Results Order No.: K1103012

Dear Kevin Stone:

Life Science Laboratories, Inc. received 1 sample(s) on 3/2/2011 for the analyses presented in the following report. Sample results relate only to the samples as received by the laboratory.

Very truly yours,
Life Science Laboratories, Inc.

Pamela J. Titus, p.m.

Pamela J. Titus
Project Manager

Life Science Laboratories, Inc.
5854 Butternut Drive
East Syracuse, NY 13057 (315) 445-1105

Analytical Results

StateCertNo: 10248

CLIENT O'Brien & Gere Inc. of North America
Project: PAS Oswego Semi-Annual Effluent
W Order: K1103012
Matrix: WATER

Lab ID: K1103012-001A
Client Sample ID: *Effluent*
Collection Date: 03/02/11 12:15
Date Received: 03/02/11 14:05

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
BIOCHEMICAL OXYGEN DEMAND (BOD5)				SM 18-20 5210 B		
Biochemical oxygen demand (BOD5)	32		5.0	mg/L	1	03/04/11 9:15
NOTES: As per NELAC regulation disclosure of the following condition is required; The result of the laboratory control sample was less than th established limit.						
LABORATORY (PH)				SM 18-20 4500-H B		
pH	6.40		1.00	pH Units	1	03/02/11
NOTES: Calculated value based on information provided by the client.						
RESIDUE-NON-FILTERABLE (TSS)				SM 18-20 2540 D		
Residue-non-filterable (TSS)	93		5.0	mg/L	1	03/08/11 12:00

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5854 Butternut Drive
East Syracuse , NY 13057 (315) 445-1105

Analytical Results

StateCertNo: 10248

CLIENT O'Brien & Gere Inc. of North America
Project: PAS Oswego Semi-Annual Effluent
W Order: K1103012
Matrix: WATER

Lab ID: K1103012-001B
Client Sample ID: *Effluent*
Collection Date: 03/02/11 12:15
Date Received: 03/02/11 14:05

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
CYANIDE, TOTAL			EPA 335.4		(E335.4)	
Cyanide, Total	ND		0.010	mg/L	1	03/08/11

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5854 Butternut Drive
East Syracuse , NY 13057 (315) 445-1105

Analytical Results

StateCertNo: 10248

CLIENT O'Brien & Gere Inc. of North America
Project: PAS Oswego Semi-Annual Effluent
W Order: K1103012
Matrix: WATER

Lab ID: K1103012-001C
Client Sample ID: *Effluent*
Collection Date: 03/02/11 12:15
Date Received: 03/02/11 14:05

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
PHENOLICS, TOTAL RECOVERABLE			EPA 420.1		(E420.1)	
Phenolics, Total Recoverable	0.11		0.050	mg/L	10	03/10/11

Qualifiers:
* Value exceeds Maximum Contaminant Level
E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5854 Butternut Drive
East Syracuse , NY 13057 (315) 445-1105

Analytical Results

StateCertNo: 10248

CLIENT: O'Brien & Gere Inc. of North America
Project: PAS Oswego Semi-Annual Effluent
W Order: K1103012
Matrix: WATER

Lab ID: K1103012-001D
Client Sample ID: *Effluent*
Collection Date: 03/02/11 12:15
Date Received: 03/02/11 14:05

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
MERCURY			EPA 245.1		(E245.1)	
Mercury	ND		0.00020	mg/L	1	03/07/11 17:09
TOTAL METALS BY ICP			EPA 200.7		(E200.2)	
Cadmium	ND		0.010	mg/L	1	03/04/11 16:41
Chromium	0.014		0.010	mg/L	1	03/04/11 16:41
Copper	0.011		0.010	mg/L	1	03/04/11 16:41
Lead	ND		0.010	mg/L	1	03/04/11 16:41
Nickel	0.65		0.010	mg/L	1	03/04/11 16:41
Silver	ND		0.010	mg/L	1	03/04/11 16:41
Zinc	ND		0.020	mg/L	1	03/04/11 16:41

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
Central Lab

5854 Butternut Drive
East Syracuse, New York 13057
(315) 445-1105

Chain of Custody

Client: OBRIEN & GERE OPS

Project: PAS OSWEGO Semi Annual TANK Discharge samples

Sampled by: MARTIN Koennecke

Client Contact: KEVIN STOWE Phone # 315-440-0793

Sample Description

Sample Location	Date Collected	Time Collected	Sample Matrix	Comp. or Grab	No. of Containers	Analysis/Method: BOD, TSS	CN	T-Phenols	CD, CR, CU, PB, HG, (METALS) NI, AG, ZN				Comments: PH-6.4 Temp-4.2°
Effluent	3-2-11	12:15	water	Comp	4	1	1	1	1				

Relinquished by: Martin Koennecke	Date: 3-2-11	Time: 14:05	Received by:
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by Lab: 03-02-11 14:05 IN
Shipment Method: HAND			Airbill Number:

Turnaround Time Required:
Routine X
Rush

Comments:

Cooler Temperature: 4.0°C

Original - Laboratory
Copy - Client

Life Science Laboratories, Inc.

Sample Receipt Checklist

Client Name: OGINA PAS

Date and Time Received: 3/2/2011 2:05:00 PM

Work Order Number: K1103012

Received by: gis

Checklist completed by: Pamela Tipus 3/2/11 (Initials / Date)

Reviewed by: — (Initials / Date)

Delivery Method: Hand Delivered

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Applicable ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☑	No ☐	Not Applicable ☐

pH	Preservative	pH Acceptable	Sample ID	Volume of Preservative added in Lab.
>12	NaOH	Yes ☑ N ☐ NA ☑	ok (AP) 3/2/11	
<2	HNO3	Yes ☑ N ☐ NA ☐		
<2	HSO4	Yes ☑ N ☐ NA ☐		
<2	1:1 HCL	Yes ☐ N ☐ NA ☑		
5-9	Pest/PCBs (608/8081)	Yes ☐ N ☐ NA ☑		

Comments:

Corrective Action: