PERIODIC REVIEW REPORT

Containment Structure Site #734048

Conklin Limited Syracuse, New York

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Containment Structure Site #734048

Syracuse, New York

Prepared for: Conklin Limited

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1. INTRODUCTION

This 2010 Periodic Review Report (PRR) summarizes monitoring activities associated with the New York State Department of Environmental Conservation (NYSDEC)-approved Containment Structure Site #734048 (Site) conducted by Conklin Limited during 2010 and includes data since 1994. The report was prepared as requested by the NYSDEC in correspondence dated November 23, 2009 (NYSDEC 2009), as modified in discussions with NYSDEC, and in substantive conformance with the NYSDEC-approved Operation and Maintenance (O&M) Manual (O'Brien & Gere 1994). The first annual PRR summarizing the monitoring activities from 2009 was submitted to the NYSDEC in March 2010. An Institutional and Engineering Controls (IC/EC) Certification Form associated with this PRR is provided in Appendix A.

Based on review of the annual reports and monitoring information, the Containment Structure appears to be functioning appropriately. The water level in LCS-2 was 1.83 ft, which is in excess of the corrective action level of 1.5 ft specified in the Response Action Plan (RAP) (O'Brien & Gere 1998). Subsequently, corrective actions prescribed in the RAP were implemented in conjunction with procedures provided in the O&M Manual and the system was reported to be functioning properly.

Analytical results of samples collected from the leachate collection sumps (LCSs) and leachate detection sumps (LDSs) do not necessitate corrective action per the RAP. Analysis of groundwater samples from the monitoring wells (MWs) indicates that the local groundwater quality is not impacted by the Containment Structure. The pavement surface above the Containment Structure is intact and appears structurally sound. No changes to the Site Management Plan (SMP) are recommended.



2. SITE OVERVIEW

The Containment Structure Site #734048, constructed in 1990, is located in the western portion of the Carousel Center in the City of Syracuse, Onondaga County, New York, below a bituminous concrete parking area. A Site Location map is included as Figure 1. Carousel Center is generally bounded by Hiawatha Boulevard to the south, Onondaga Lake to the north, Interstate 81 to the east, and the New York State Barge Canal to the west.

2.1 SITE HISTORY

The local area that contains the Site was originally a salt marsh. Saline groundwater reportedly discharged to the marsh and formed salt springs. This natural feature was exploited for salt production as early as the mid-1600's. Salt production became Syracuse's largest industry in the early 1800's, although salt production had declined dramatically by the end of the 19th century. Maps dated 1892 and 1908 show that the area including the Site was being used for salt production until it was discontinued circa 1910.

Around the turn of the 20th century, disposal of inert fill such as construction debris was initiated at the Site. According to historical maps, the Allied Corporation disposed of Solvay Process Company materials on the Site from 1907 to 1910. Solvay Process materials are a mixture of calcium carbonate, calcium chloride, and calcium oxide. The Site was gradually reclaimed by fill operations to the grade that existed prior to salt production operations.

2.2 REMEDIAL HISTORY

Conklin Limited acquired property located at West Hiawatha Boulevard, Syracuse, New York that was owned by Clark Concrete Co., Inc. (*i.e.*, the "Clark Site"). Environmental sampling and analysis of soils and groundwater, connected with the development of Carousel Center, identified elevated concentrations of VOCs at the Clark Site. Conklin Limited voluntarily undertook to investigate and remediate the Clark Site, and an Approved Interim Remedial Plan (IRP) was completed in March of 1990. The IRP included dewatering, excavation and removal of VOC contaminated soils from the Clark Site, and placement of the material in a Containment Structure to be located beneath the parking lot for the shopping center.

The Containment Structure received nearly 60,000 cubic yards of VOC-impacted soils excavated from the Clark Site and portions of the Hess-1 and Buckeye properties.

An Operations and Maintenance (O&M) Manual was prepared for the Clark Site in accordance with Agreement and Determination No. A7-0163-88-12 and Agreement and Determination No. A7-0224-90-02 between Conklin Limited and NYSDEC for remediation of the Inactive Hazardous Waste Site No. 734048 (Clark Site). These agreements required Conklin Limited to perform a Remedial Investigation/Feasibility Study (RI/FS) and an Interim Remedial Measure (IRM), respectively, at the Clark Site. The IRM was performed during the spring and summer of 1990, and on December 3, 1990, an IRM report and Supplemental Remedial Investigation Study Report were submitted to NYSDEC. The Supplemental Remedial Investigation was accepted and approved by NYSDEC on January 14, 1991. The IRM Report was accepted and approved by NYSDEC on March 14, 1991. The Feasibility Study was submitted to NYSDEC in April 1991. The Feasibility Study was performed in a manner consistent with the National Contingency Plan and concluded that the preferred remediation alternative was Alternative No. 2 – Groundwater Management/Leachate Site Monitoring with completed Interim Remedial Measures. NYSDEC adopted the Final Record of Decision (ROD) approving Alternative No. 2 on or about March 24, 1994. The O&M Manual, as approved by the NYSDEC, was implemented as part of Alternative No. 2.

The O&M Manual is a post-closure document that provides guidelines and procedures for operation and maintenance of Containment Structure #734048. Work tasks for the 30-year closure period described in the O&M Manual were commenced in 1994. The Containment Structure continues to be operated in accordance to the approved O&M Manual.



2.3 CONTAINMENT STRUCTURE

The Containment Structure was constructed of an earthen berm ranging from approximately 16.5 to 21.0 feet in height. The bottom and sides of the interior of the berm were double-lined with 60 mil high density polyethylene (HDPE) liners.

The primary liner was overlain with a combination of sand, crushed stone and geotextile filter fabric layers to facilitate leachate collection and management of the leachate generated from the soils impacted by VOCs. The secondary cover consisted of an HDPE liner underlain with stone dust and covered by stone dust, sand, gravel, and a bituminous concrete surface. An intermediate layer of geonet was installed as the drainage layer for the leak detection system between the liners.

Additional information regarding Site remedial work, Containment Structure construction, and project implementation is provided in the Interim Remedial Measure Report Site #734048 (Volumes 1 through 5) dated November 1990 that was approved by the NYSDEC on March 14, 1991.

Perforated pipes within the Containment Structure direct leachate by gravity towards five LCSs. Leak detection sumps are located adjacent to each of the LCSs. Originally there were four groundwater MWs installed around the perimeter of the Containment Structure to evaluate groundwater level and quality outside the limits of the Containment Structure. An additional MW (MW-5) was installed during the 1997 reporting period at the request of the NYSDEC to better evaluate system performance. A Site Plan that includes the locations of the Containment Structure, LCSs, LDSs, and groundwater MWs is included as Figure 2.

As shown on Figure 2, the Containment Structure was constructed in two sections separated by an interior berm. Three of the five LCSs (LCS 1, 2 and 3) collect leachate from the western cell and the other two LCSs (LCS 4 and 5) collect leachate from the eastern cell.

2.3.1 Leachate Collection System

The five LCSs located within the interior of the Containment Structure are equipped with sumps that include the following features:

- concrete manholes that extend vertically from approximately 4-feet below the Containment Structure bottom to finished grade
- standard manhole steps
- solid 24-inch diameter cast iron covers.

The grading of the Containment Structure bottom and the 6-inch diameter perforated drain piping installed at the interior perimeter of the Containment Structure direct leachate to the LCSs. Leachate entering the LCSs is removed automatically by a submersible pump located within each sump. The pumps discharge leachate to a holding tank via two networks of 2-inch HDPE piping. The holding tank is emptied by Site personnel when observed full. The contents are disposed of at a licensed hazardous waste disposal facility. Uniform Hazardous Waste Manifests are included in Appendix B.

2.3.2. Leak Detection System

A LDS (perforated concrete vault) is located adjacent to each LCS to receive leachate that penetrates the primary liner or water that enters from external sources. A drainage net between the primary and secondary 60 mil HDPE liners provides the medium through which water is conveyed to LDSs.

A 2-inch diameter pipe that extends from the pavement surface down to each sump allows access for gauging and water removal. Upon detection during monitoring, water is pumped and metered to the adjacent LCS and then automatically pumped to the holding tank for storage and disposal.



2.3.3 Groundwater Monitoring System

As illustrated on Figure 2, five groundwater MWs are located outside of the Containment Structure: four MWs on the Onondaga Lake side of the structure (MW-1, MW-2, MW-3, and MW-5) and one MW (MW-4) on the Carousel Center side.

The MWs are constructed of 2-inch diameter PVC piping. Rim elevations of MWs 1 through 4 were surveyed in 1994 at the time of installation. The rim elevation of MW-5 was surveyed and rim elevations of MWs 1 through 4 updated in 1997. Rim elevations of MWs 1 through 5 were again surveyed in 2004.

3. EVALUATE REMEDY PERFORMANCE, EFFECTIVENESS, AND PROTECTIVENESS

The O&M Manual establishes appropriate procedures for data and sample collection, compilation of results (Tables 6-1 and 6-2 in Section 6, Tables C-1 through C-5 in Appendix C, and Tables D-1 through D-6 of Appendix D), and analysis of results. Sampling results are compared to corrective action criteria provided in the RAP.

3.1 OBSERVATIONS

- 1. VOCs detected in water collected from the Containment Structure LCSs and LDSs have been consistent with background levels attributable to VOC-impacted soils that were placed in the Containment Structure. Samples from the Containment Structure LCSs and LDSs generally contain different constituents, at variable concentrations, than samples from groundwater MWs. Therefore, there does not appear to be a hydrologic connection between systems. Based on the data, the system appears to be functioning as designed.
- 2. Leachate continues to enter, and be removed from, the leachate collection system. Automatic pumping of the LCSs will continue to dewater the Containment Structure.
- 3. Water continues to drain to the LDSs where it is removed during the monitoring events. The continued presence of water in this layer may be due to water between the liners during Containment Structure construction, seepage, and/or minor breaks in the primary liner. However, collected water volumes appear to reflect a decreasing trend. The secondary liner appears to be performing its design function of containing water and directing it to the LDSs.
- 4. No pavement disturbances have been reported over the Containment Structure indicating that the HDPE cap and bituminous concrete surface cap promotes runoff and minimizes infiltration of rainfall to the Containment Structure.
- 5. Air quality, measured in terms of Lower Explosive Limit (LEL), hydrogen sulfide (H₂S), and oxygen content (O₂), has been within acceptable levels within the LCS and LDS access points.
- 6. The measured water levels and sample analytical results from the LCSs, LDSs, and MWs do not prompt corrective action per the RAP. 1. With the exception of LCS-2, the measured water levels from the LCSs, LDSs, and monitoring wells do not prompt corrective action per the RAP. The water level in LCS-2 was 1.83 ft, in excess of the corrective action level of 1.5 ft specified in the RAP. Subsequently, the field representative checked the pump and reported that the unit was receiving power and that the switch and pump were operating properly.

3.2 RECOMMENDATIONS

Monitoring operations at the Site should continue as described in the O&M Manual.



4. IC/EC PLAN COMPLIANCE REPORT

Not applicable. The substantive components of the same are incorporated in other sections of this report.



5. MONITORING PLAN COMPLIANCE REPORT

Not applicable. The substantive components of the same are incorporated in other sections of this report.



6. OPERATION & MAINTENANCE (O&M) PLAN COMPLIANCE REPORT

This section summarizes monitoring activities associated with the Containment Structure Site #734048 conducted from 1994 through 2010. Annual Reports have been submitted to the NYSDEC since 1994. Five Year Review Reports were submitted in May 1999, April 2004, and March 2009. The first annual PRR summarizing the monitoring activities from 2009 was submitted to the NYSDEC in March 2010. Information provided within the Annual Reports, Five Year Review Reports, and PRRs includes the following:

- water surface elevations within the LCSs
- quantity of leachate removed from the LCSs
- quality of water from the LCSs based on laboratory analysis
- water surface elevations within the LDSs
- quantity of water collected from the LDSs
- quality of water from the LDSs based on laboratory analysis
- groundwater elevations
- quality of water within the groundwater MWs based on laboratory analysis
- general Site observations including visual assessment of the final bituminous concrete cover
- surface water drainage system inspection
- hazardous waste manifests
- air quality records.

Information contained in these reports was provided by the Owner's on-Site monitor. The Site monitor has completed the 40-hour Occupational Safety and Health Administration (OSHA) Course in Hazardous Waste Site Operation Safety training and annual 8-hour refresher courses. A copy of his Health and Safety at Hazardous Waste Operations Course Certification is included in Appendix E.

Summaries of the data from the 16-year monitoring period are provided in Tables 6-1 and 6-2, Tables C-1 through C-5 in Appendix C, and Tables D-1 through D-6 in Appendix D. Results of the monitoring are compared to criteria in the RAP that were established as action levels indicative of potential failure(s) of the Containment Structure systems. Specifically, the RAP established the following:

- water levels that represent indicators of potential system malfunction
- protocols to identify and abate potential malfunctions
- procedures to be taken to minimize environmental impacts and human health risks.

6.1 LEACHATE COLLECTION SYSTEM

6.1.1 LCS Monitoring and Sampling

Since 1994, the five LCSs have been monitored on an annual basis. Monitoring activities include:

- measurements from finished grade to water surface using a water level indicator
- monitoring of air quality with a Drager MultiPac air monitoring device or Industrial Science M40 unit
- collection and laboratory analysis of leachate samples
- recording of quantities of leachate removed in aggregate from the temporary holding tank
- notation of field observations



The Leachate Collection Sump Field Logs from 1994 through 2009 have been submitted in past years in accordance with the O&M Manual. The Leachate Collection Sump Field Logs (Form 1) for the 2010 monitoring year are included as Appendix F.

6.1.2 LCS Water Measurements

Leachate was observed each year in the LCSs. Table C-1 in Appendix C includes the rim and invert elevations for the individual LCSs. For the years 1999 through 2010, rim and invert elevations reflect information obtained by surveys performed by C.T. Male Associates (C.T. Male) on July 21, 1997 and April 1, 2004. Rim and invert elevations are used to calculate water elevation and depth of water (water level) within the LCSs that are provided in Tables C-2 and C-3 in Appendix C, respectively, for each year since 1994. As noted, leachate is automatically removed from the individual LCSs by pumps equipped with float switches. Since initial startup of the pumps, leachate depths within the sumps have been maintained at minimum depths.

Leachate levels have been less than corrective action levels in each LCS since 1994, indicating that the leachate collection system continues to function appropriately. As shown in Table C-3, with the exception of LCS-2, the measured water levels from the LCSs for 2010 do not prompt corrective action per the RAP. The water level in LCS-2 was 1.83 ft, in excess of the corrective action level of 1.5 ft specified in the RAP. Subsequently, corrective actions prescribed in the RAP were implemented in conjunction with procedures provided in the 0&M Manual and the system was reported to be functioning properly.

6.1.3 LCS Air Quality

Air quality measurements have been conducted on an instantaneous basis during monitoring events for LEL, H_2S and O_2 for health and safety and reporting purposes. Measurements near the access cover to the sump have consistently been as follows:

- LEL readings of 0%
- H₂S readings of 0%
- O₂ levels at or near 20.5%

6.1.4 LCS Sampling and Laboratory Analysis

Samples were collected pursuant of the O&M Manual from each of the five LCSs since 1994. Samples have been delivered to Certified Environmental Services, Inc. for analysis of VOC content using United States Environmental Protection Agency (USEPA) Method 601/602 (updated to 624/625).

Compounds detected above the laboratory detection limits within the individual LCS samples since 1994 are summarized in Appendix D as Tables D-1 through D-5. In 2010, 1,1-dichloroethane was the only constituent detected in the LCSs with the lowest concentrations reported since 1994 in LCS-1, LCS-2, LCS-3, and LCS-5. The concentration in LCS-4 was the lowest reported since 2006. Laboratory reports from 1994 through 2009 have been submitted in past years in accordance with the O&M Manual. Laboratory reports for the 2010 sampling event are included in Appendix G.

6.1.5 Leachate Removal Quantities

Automatic submersible pumps installed within the five LCSs transfer leachate through two piping networks to a holding tank located on-Site. Table 6-1 indicates the volume of leachate collected annually since 1994, as well as the estimated volume prior to automatic pump operation.

Table 6-1. Quantity of leachate collected from leachate collection sumps

Dates	Leachate Collected (Gallons)	Annual Recovery (year) (gallons)
10/90 to 1/94	171,000 ¹	
Period 2/94 to 6/94 ²	20,000	
Period 7/94 to 9/94	23,903	
Period 10/94 to 12/94	10,000	53,900 (1994)
Period 1/95	1,601	



Dates	Leachate Collected (Gallons)	Annual Recovery (year) (gallons)
Period 2/95 - 12/95	10,050	11,651 (1995)
Period 1/96 - 12/96	14, 508	14,508 (1996)
Period 1/97 - 12/97	5,055	5,055 (1997)
Period 1/98 - 12/98	11,957	11,957 (1998)
Period 1/99 – 12/99	20,250	20,250 (1999)
Period 1/00 - 12/00	15,270	15,270 (2000)
Period 1/01 - 12/01	12,910	12,910 (2001)
Period 1/02 - 12/02	12,495	12,495 (2002)
Period 1/03 - 12/03	17,020	17,020 (2003)
Period 1/04 – 12/04	16,850	16,850 (2004)
Period 1/05 – 12/05	14,700	14,700 (2005)
Period 1/06 – 12/06	15,350	15,350 (2006)
Period 1/07 – 12/07	16,458	16,458 (2007)
Period 1/08 – 12/08	10,394	10,394 (2008)
Period 1/09 – 12/09	10,406	10,406 (2009)
Period 1/10 – 12/10	11,440	11,440 (2010)

⁽¹⁾ Estimated based on review of available records

Source: O'Brien & Gere

The leachate collection pumps are not individually metered. Therefore, leachate collected during the annual reporting periods was metered when removed from the temporary storage tank. As shown in Table 6-1, the annual recovery quantities since 1995 were less than the response action volume of 20,800-gallons specified in the RAP.

Leachate was transported by Page Transportation Company to either Cecos International in Niagara Falls, New York or Vickery Environmental, Inc. in Vickery, Ohio. Hazardous Waste Manifests for the leachate transportation from the 2010 monitoring period are included as Appendix B. Hazardous Waste Manifests from 1994 through 2009 have been submitted in past years in accordance with the O&M Manual.

6.2 LEAK DETECTION SYSTEM

6.2.1 LDS Monitoring and Sampling

The five LDSs have been monitored on an annual basis since 1994. Specific activities include:

- measurements from finished grade to water surface using a water level indicator
- monitoring of air quality with a Drager MultiPac air monitoring device or Industrial Science M40 unit
- collection and laboratory analysis of LDS water samples
- recording of quantities of water pumped to adjacent LCSs
- notation of field observations.

Leak Detection Sump Field Logs from 1994 through 2009 have been submitted in past years in accordance with the O&M Manual. The Leak Detection Sump Field Logs (Form 2) for the 2010 monitoring year are included as Appendix H.

6.2.2 LDS Water Measurements

The rim and invert elevations of the LDSs are provided in Table C-1 of Appendix C. For the years 1999 through 2010, rim and invert elevations reflect information obtained by surveys performed by C.T. Male on July 21, 1997 and April 1, 2004. Depths to water within the individual LDSs were measured each year since 1994 and are indicated in Table C-2 of Appendix C. Calculated water elevations also appear in Table C-2.



⁽²⁾ Automatic pumping initiated

Table C-2 indicates that, based on information provided by the Site monitor, water levels in 2010 were below corrective action levels identified in the RAP in each sump. This indicates that the leak detection system continues to function appropriately.

6.2.3 LDS Air Quality

Air quality measurements were conducted on an instantaneous basis during monitoring events for LEL, H_2S and O_2 for health and safety and reporting purposes. From 1994 through 2010, measurements near the access cover to the sump have consistently been as follows:

- LEL readings of 0%
- H₂S readings of 0%
- O₂ levels at or near 20.5%

6.2.4 LDS Sampling and Laboratory Analysis

Samples were collected pursuant of the O&M Manual from each of the five LDSs since 1994. Samples were delivered to Certified Environmental Services, Inc. for analysis of VOC content using USEPA Method 601/602 (updated to 624/625).

Compounds detected above the laboratory detection limits within the individual LDS samples since 1994 are summarized in Appendix D. In 2010, 1,1 dichloroethane was detected in all five LDSs and vinyl chloride was detected in LDS-4 at concentrations consistent with historical data. Laboratory reports from the 1994 through 2009 sampling events have been submitted in past years in accordance with the O&M Manual. Laboratory reports for the 2010 sampling event are included in Appendix G.

6.2.5 Water Removal Quantities

Water was removed by pumping water from each of the LDSs to the respective LCSs during inspections. Metered flow quantities from the LDSs from 1994 through 2010 are indicated in Table 6-2.

Table 6-2. Leak detection sump water removal (gals).

Date (Month/Year)	LDS-1	LDS-2	LDS-3	LDS-4	LDS-5	TOTAL
4/94	610	1240	720	1575	1670	6815
5/94	1290	930	265	1075	295	3855
6/94	600	575	85	800	160	2220
7/94	600	750	200	500	645	2695
8/94	75	400	200	400	227	1320
9/94	390	800	230	500	180	2100
10/94	125	500	200	350	125	1300
11/94	100	600	250	400	150	1500
12/94	100	800	250	575	125	1850
1/95	125	600	200	550	160	1635
2/95	250	NM	250	525	190	1215
3/95	200	400	1150	900	125	1775
4/95	400	600	175	925	700	2800
5/95	100	500	100	450	200	1350
6/95	200	500	100	500	300	1600
7/95	125	600	100	200	250	1275
8/95	220	800	50	75	230	1375
9/95	190	300	40	400	300	1230
10/95	450	950	50	400	500	2350
11/95	200	1000	50	800	600	2650
12/95	250	800	50	600	500	2200
3/96	650	975	75	1200	1200	4100
5/96	800	1000	175	1200	1000	4175
9/96	400	700	150	1100	550	2900
11/96	800	1000	600	1050	800	4250
3/97	800	850	800	1000	900	4350



Date (Month/Year)	LDS-1	LDS-2	LDS-3	LDS-4	LDS-5	TOTAL
6/97	500	1000	200	1300	1000	4000
8/97	450	800	150	1100	950	3450
12/97	650	800	500	1000	900	3850
3/98	900	800	50	1400	1525	4675
6/98	500	950	100	1400	600	3550
9/98	600	900	100	1075	550	3225
12/98	500	950	125	1000	700	3275
6/99	550	700	100	1000	1500	3850
3/00	650	800	75	1000	700	3225
6/00	480	650	75	800	1200	3205
8/00	600	800	150	800	1000	3350
4/01	600	900	90	950	650	3190
8/01	700	650	75	875	800	3100
5/02	575	600	80	800	700	2755
10/02	500	1000	150	1200	1000	3850
10/03	600	800	180			1580
11/03				1000	800	1800
10/04	700	500	200	750	800	2950
10/05	900	580	220	800	1400	3900
10/06	700	400	150	600	800	2650
9/07	400	500	200	450	600	2150
8/08	500	350	100	400	500	1850
9/09	450	400	250	400	475	1975
9/10	100	150	150	200	350	950

Water from the LDSs was pumped into the adjacent LCSs and then to the on-Site holding tank. Water within the holding tank was transported to Cecos International in Niagara Falls, New York or to Vickery Environmental, Inc. in Vickery, Ohio by Page Transportation Company. Uniform Hazardous Waste Manifest forms for 2010 are included in Appendix B. Hazardous Waste Manifests from 1994 through 2009 have been submitted in past years in accordance with the O&M Manual.

6.3 GROUNDWATER MONITORING SYSTEM

6.3.1 Groundwater Monitoring

MWs 1 through 5 were surveyed by C.T. Male on July 21, 1997 and April 1, 2004. Rim elevations for 1997 and 2004 are included in Table C-4 of Appendix C. Depth to water in the five groundwater MWs were gauged during monitoring events using a water level indicator. Results for 2010 are included on Form 3 - Groundwater Monitoring Field Logs, included in Appendix I. Depth to water measurements and water level calculations since 1994 are summarized in Table C-5 of Appendix C.

Based on data from past monitoring events, groundwater flow direction generally occurs in a westerly direction towards Onondaga Lake and the Barge Canal. The decreasing groundwater elevation trend reported in MW-1 and MW-2 reported in the 2009 PRR has been interrupted with modest elevation increases in 2010 (Figure 3). The data for MW-5 indicates a continued increasing groundwater elevation trend since its construction in 1997 (Figure 3), with no apparent trends in MW-3 and MW-4 (Figure 3).

6.3.2 Groundwater Sampling and Laboratory Analysis

Groundwater samples were collected pursuant to the O&M Manual from MW-1 through MW-4 since 1994 and since 1997 from MW-5. Samples were delivered to Certified Environmental Services, Inc. for analysis of VOC content using USEPA Method 601/602 (updated to 624/625).

Compounds detected above laboratory detection limits within the individual MWs since 1994 are summarized in Table D-6 of Appendix D. In 2010, no constituents were detected in any of the 5 MWs, except for MW-1. In MW-1, there was a single detection of trichloroethene ($7.5\mu g/L$ in MW-1). No constituents have been detected in MW-3 since 1996, no constituents have been detected in MW-2 or MW-4 since 2006, and no constituents have been detected in MW-5 since 2002 except for a single reading of m & p xylene in 2005 ($1.5\mu g/L$) and a single



reading of trichloroethane in 2008 (10 μ g/L). Laboratory reports from the 1994 through 2009 sampling events have been submitted in past years in accordance with the O&M Manual. Laboratory reports for 2010 are included in Appendix G.

6.4 SITE OBSERVATIONS

6.4.1 Site Conditions

Visual observations of the bituminous concrete pavement and landscaped areas over and adjacent to the Containment Structure have been performed since 1994.

The Site Observation Form (Form 4) for the 2010 monitoring and inspection event is included in Appendix J. Inspection results to date indicate:

- the pavement in the vicinity of the Containment Structure remains in good condition
- landscaped areas have been intact with no sink holes
- no maintenance has been reported over the Containment Structure area.

6.5 SURFACE WATER DRAINAGE

Surface cover over the Containment Structure is bituminous concrete pavement. Rainfall and snow melt runoff is directed overland via positive grading to a separate stormwater drainage system consisting of catch basins and underground storm drains. The locations of these catch basins and storm drains are illustrated in the O&M Manual.

Dry weather inspection of the storm drainage facilities has been performed since 1994. The purpose of the inspections is to document the presence or absence of flow and the need for system cleaning. Copies of the Storm Drainage Facilities Reports from the 1994 through 2009 have been submitted in past years in accordance with the O&M Manual. A copy of the Storm Drainage Facilities Report for 2010 is included in Appendix K.

In 2010, pipelines were noted to be clear of sediment and no system problems were noted. Various amounts of water and sediment deposits were recorded in the catch basin sumps during the inspection; however, no impacts to the Containment Structure or operation of the storm drainage facility were identified.

6.6 O&M CONCLUSIONS AND RECOMMENDATIONS

The following results and observations are based on 2010 data.

- 1. Total manifested volume of leachate from LCSs and LDSs = 12,390 gal
- 2. Total LDS volume = 950 gal (measured)
- 3. Total LCS volume = 11,440 gal (calculated)
- 4. The pH recorded in MW-1 was 8.63, continuing a downward trend. The pH was 8.97 in 2009, 9.14 in 2008, 9.21 in 2007, 9.43 in 2006, and 9.72 in 2005.
- 5. Trichloroethene was detected in MW-1 (7.5 ug/L). No compounds were detected above detection limits in MW-2, MW-3, MW-4, and MW-5.
- 6. 1,1-Dichloroethane was the only constituent detected in LCS-1, LDS-1, LCS-2, LDS-2, LCS-3, LDS-3, LCS-4, LCS-5, and LDS-5 and was detected at the lowest concentrations ever in LCS-1, LCS-2, LCS-3, and LCS-5. The concentrations in the other LCS and LDS samples were consistent with historical data.
- 7. A total of only three constituents were detected in the LCSs, LDSs, and MWs: 1,1-dichloroethane, vinyl chloride, and trichloroethene.
- 8. No constituents have been detected in MW-3 since 1996.
- 9. No constituents have been detected in MW-2 or MW-4 since 2006.



The following conclusions are based on Site activities from 1994 through 2010.

- 1. Samples from the Containment Structure LCSs and LDSs contain different constituents, at variable concentrations, than samples from groundwater MWs. Therefore, there does not appear to be a hydrologic connection between systems.
- 2. With the exception of LCS-2, the measured water levels from the LCSs, LDSs, and MWs do not prompt corrective action per the RAP. The water level in LCS-2 was 1.83 ft, which is in excess of the corrective action level of 1.5 ft specified in the RAP. Subsequently, corrective actions prescribed in the RAP were implemented in conjunction with procedures provided in the O&M Manual and the system was reported to be functioning properly.
- 3. Leachate continues to enter, and be removed from, the leachate collection system. Automatic pumping of the LCSs will continue to dewater the Containment Structure.
- 4. Water continues to drain to the LDSs where it is removed during the monitoring events. Collected volumes appear to reflect a decreasing trend since 2002. The continued presence of water in this layer may be due to water between the liners during Containment Structure construction, seepage, and/or minor breaks in the primary liner. The secondary liner, therefore, appears to be performing its design function of containing water and directing it to the LDSs.
- 5. No pavement disturbances have been reported over the Containment Structure indicating that the HDPE cap and bituminous concrete surface cap promotes runoff and minimizes infiltration of rainfall to the Containment Structure.
- 6. Air quality, measured in terms of LEL, O₂, and H₂S, has been within acceptable levels within the LCSs and LDS access points.

The following recommendations are based on Site activities from 1994 through 2010.

- 1. Inspections of the LCSs, LDSs, MWs and general Site condition should be continued as stipulated in the O&M Manual.
- 2. Level measurements and laboratory analysis of water from the collection, detection and monitoring well systems should be continued as stipulated in the O&M Manual. It is recommended that the measurements and samples be collected on the same date to allow for direct comparison.
- 3. Fluid removed from the LCSs and LDSs should continue and be properly managed and manifested as stipulated in the O&M Manual.
- 4. Since the last elevation survey was conducted April 1, 2004, it is recommended that a new survey be scheduled for 2011.

Data should be submitted to the NYSDEC on an annual basis per the O&M Manual.



7. OVERALL PRP CONCLUSIONS AND RECOMMENDATIONS

Conklin Limited has completed Year 17 of the 30-year closure period for Containment Structure #734048. The 0&M Manual requires inspections, gauging, sampling and analysis, and recordkeeping of LCSs, LDSs, groundwater MWs, and surface drainage facilities. In addition, general Site inspections are also performed. To date, the Containment Structure has been operated in accordance with the approved 0&M Manual. Compliance requirements have been met for each component outlined and analytical results have not prompted corrective action per the RAP to date.



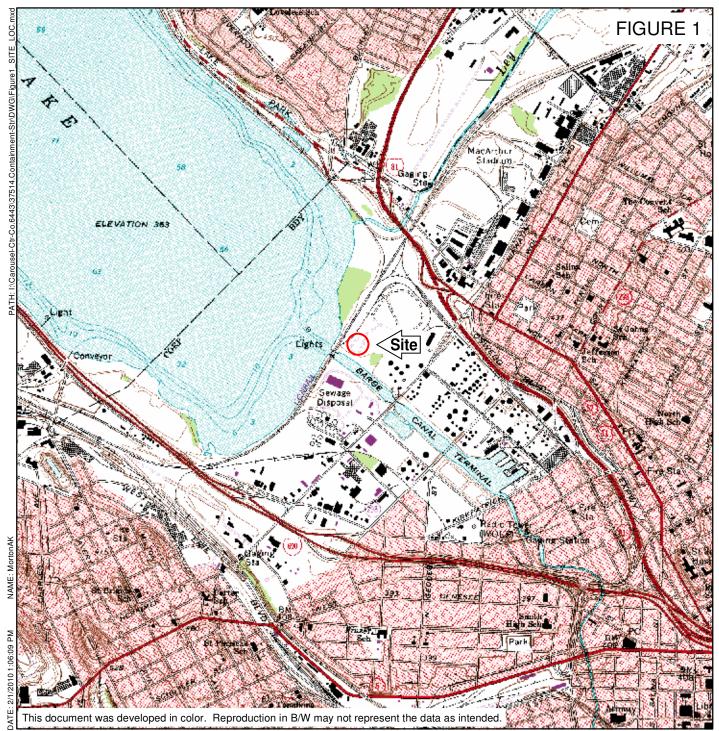
8. REFERENCES

New York State Department of Environmental Conservation. 2009. *45-day Reminder Notice: Site Management Periodic Review*. November 23.

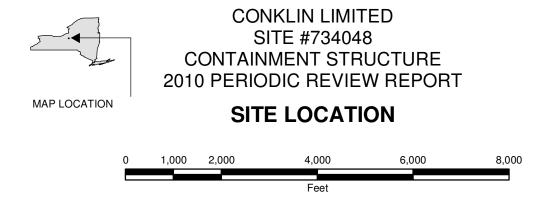
O'Brien & Gere. 1998. *Response Action Plan Containment Structure Site 734048*. Prepared for Conklin Limited, Syracuse, New York. October 1998.

O'Brien & Gere. 1994. Operation and Maintenance Manual Containment Structure Site 734048. February.





ADAPTED FROM: SYRACUSE WEST USGS QUADRANGLE





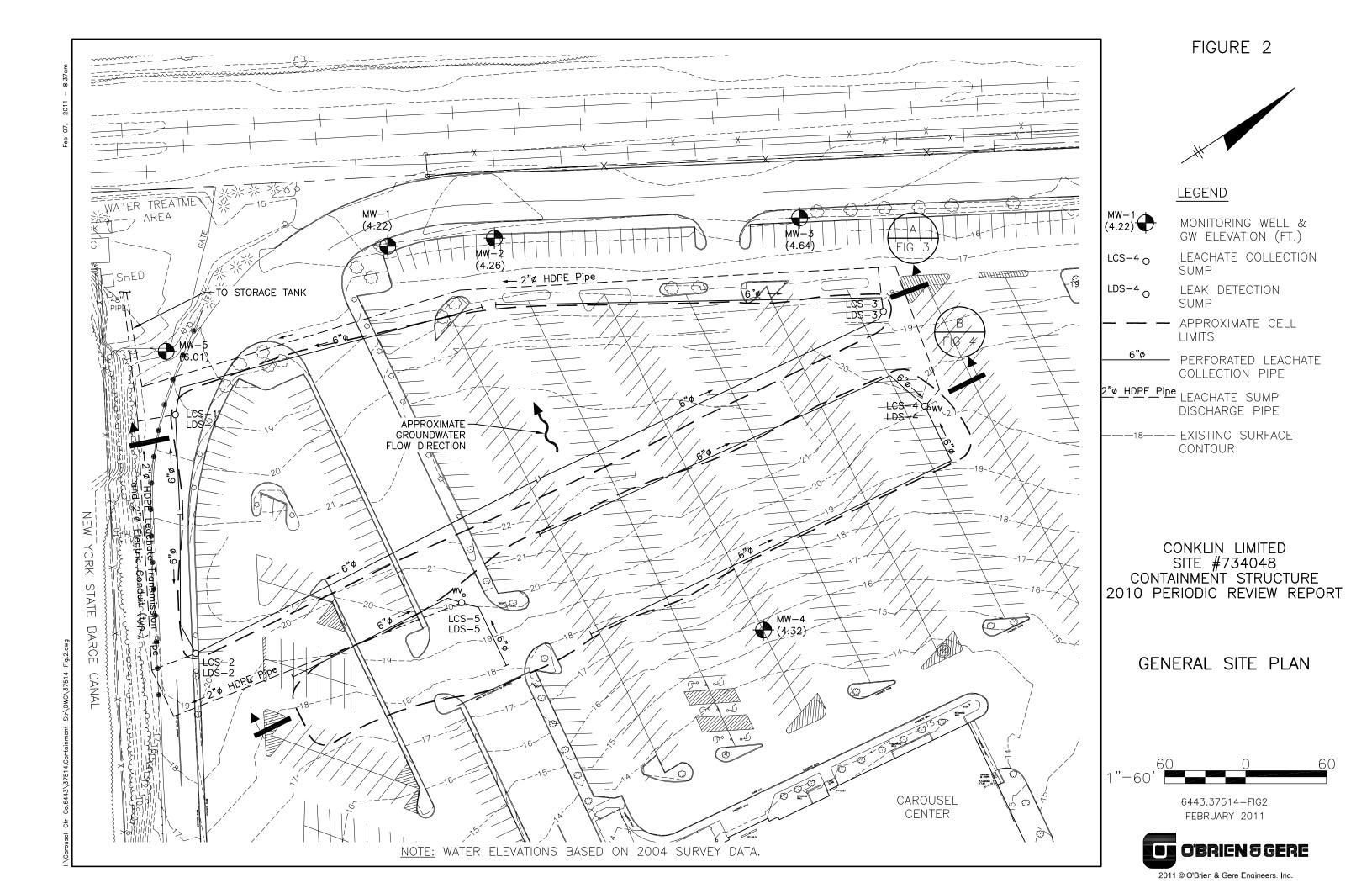
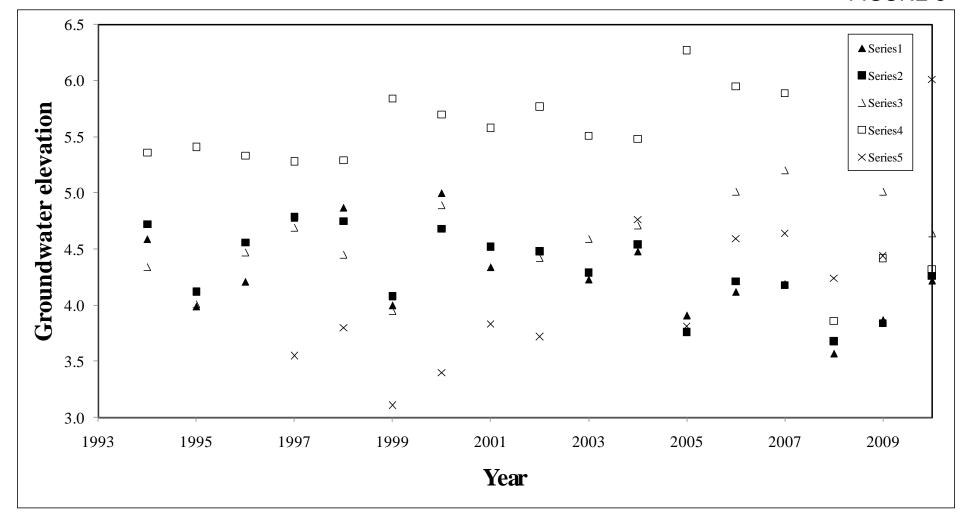


FIGURE 3



CONKLIN LIMITED
SITE #734048
CONTAINMENT STRUCTURE
2010s PERIODIC REVIEW REPORT

MONITORING WELL WATER ELEVATIONS



Appendix A
Institutional and
Engineering Controls
Certification Form



Enclosure 1 NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION Site Management Periodic Review Report Notice Institutional and Engineering Controls Certification Form



Sit	te No.	Site Details 734048	Box 1	
Sit	te Name	Clark Property		
Cit Co Alle Site Ow	ty/Town: bunty: On lowable U te Acreag vner: Pyr 350	Jse(s) (if applicable, does not address local zoning): no restrictions known		
	porung .	GIOU. Validary 07, 2010 to validary 07, 2011	<u></u>	
		Verification of Site Details		ox 2
			YE\$	NO
1.	Is the in	nformation in Box 1 correct?	O.	X
	If NO, a	are changes handwritten above or included on a separate sheet?	X	
2.		me or all of the site property been sold, subdivided, merged, or undergone a parament during this Reporting Period?	B	×
	If YES, submitte	is documentation or evidence that documentation has been previously ed included with this certification?		
3.		ny federal, state, and/or local permits (e.g., building, discharge) been issued the property during this Reporting Period?		×
	If YES, i submitte	is documentation (or evidence that documentation has been previously ed) included with this certification?	0	
4.	If use of restriction	f the site is restricted, is the current use of the site consistent with those ons?	N/A □	
	If NO, is	s an explanation included with this certification?		
5.	has any	-significant-threat Brownfield Cleanup Program Sites subject to ECL 27-1415. r new information revealed that assumptions made in the Qualitative Exposure ment regarding offsite contamination are no longer valid?		0
		is the new information or evidence that new information has been previously ed included with this Certification?		
6.	are the a	-significant-threat Brownfield Cleanup Program Sites subject to ECL 27-1415. assumptions in the Qualitative Exposure Assessment still valid (must be levery five years)?	.7(c), N/A □	

SITE NO. 734048 Box 3

Description of Institutional Controls

Parce!

Institutional Control

S_B_L image: 114.-02-05.2

O&M Manual

Box 4

Description of Engineering Controls

<u>Parcel</u>

Engineering Control

S_B_L Image: 114.-02-05.2

Cover System

Groundwater Containment Leachate Collection Subsurface Barriers

Attach documentation if IC/ECs cannot be certified or why IC/ECs are no longer applicable. (See instructions)

Control Description for Site No. 734048

Parcel: 114.-02-05.2

As per ROD, ongoing OM&M required for site which includes operation and maintenance of leach collection system, and monitoring observation wells, proper collection and disposal of leachate to a permitted facility. Annual OM&M report outlining results of maintaining system and documentation of leachate disposal manifests.

			Box 5
	Periodic Review Report (PRR) Certification Statements		
1.	I certify by checking "YES" below that:		
	 a) the Periodic Review report and all attachments were prepared under the direction reviewed by, the party making the certification; 	of, and	
	b) to the best of my knowledge and belief, the work and conclusions described in the are in accordance with the requirements of the site remedial program, and generally a		
		X	ם
2.	If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for ear or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all following statements are true:		utional
	the Institutional Control and/or Engineering Control(s) employed at this site is unchanged ntrol was put in-place, or was last approved by the Department;	since th	e date that the
	nothing has occurred that would impair the ability of such Control, to protect public health environment;	and	
	access to the site will continue to be provided to the Department, to evaluate the remedy, sluate the continued maintenance of this Control;	includin	g access to
	nothing has occurred that would constitute a violation or failure to comply with the Site Mantrol; and	anagem	ent Plan for this
	if a financial assurance mechanism is required by the oversight document for the site, the sufficient for its intended purpose established in the document.	mecha	nism remains valid
		YES	NO
		×	0
3.	If this site has an Operation and Maintenance (O&M) Plan (or equivalent as required in the	e Decisi	on Document);
	I certify by checking "YES" below that the O&M Plan Requirements (or equivalent as requirement) are being met.	iired in tl	ne
		X	0
4.	If this site has a Monitoring Plan (or equivalent as required in the remedy selection documents)	nent);	
	I certify by checking "YES" below that the requirements of the Monitoring Plan (or equival in the Decision Document) is being met.	ent as re	equired
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	•	X	

IC CERTIFICATIONS SITE NO. 734048

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE I certify that all information and statements in Boxes 2 and/or 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal print business address am certifying as <u>CENERAL</u> (Owner or Remedial Party) for the Site named in the Site Details Section of this form. emedial Party Rendering Certification IC/EC CERTIFICATIONS Box 7 QUALIFIED ENVIRONMENTAL PROFESSIONAL (QEP) SIGNATURE I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law. am certifying as a Qualified Environmental Professional for the (Owner or Remedial Party) for the Site named in the Site Details Section of this form.

Signature of Qualified Environmental Professional, for the Owner or Remedial Party, Rendering Certification

Stamp (if Required)

Date

CONTAINMENT STRUCTURE SITE #734048 PERIODIC REVIEW REPO	
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Appendix B
Uniform Hazardous Waste
Manifests

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Capitol Environmental Services, Inc. RECEIVED

INVOICE

Baltimore, MD 21297-3143

JUN n 2 2010

SOLD TO:	
Carousel Center	
9090 Carousel Center Drive	
Syracuse, NY 13290	
Attn: Gail Carroll	

91	
INVOICE NUMBER	WILM-MSCH-
	2786-18484-18916
INVOICE DATE	06/02/2010
TERMS	NET 30 DAYS
YOUR ORDER NUMBER	17435
SALES REP	M.Schubert
SHIPPED VIA	Page
PREPAID or COLLECT	Page Collect

SHIPPED TO:	
Vickery Environmental, Inc.	

QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT
4310.75	Gallons Disposal of F039 Water (VB5696) Manifest#004308186JJK	\$0.32	\$1,379.4
1	Load Transportation	\$1,850.00	\$1,850.0
1	Each Fuel surcharge (34%)	\$629.00	\$629.0
	Date of Shipment: 5/19/10		
	Generator: Conklin Limited		
	372 W. Hiawatha Blvd.		
	Syracuse, NY 13202		
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Call: Amy Moser

(302)652-8999

Capitol Environmental Services, Inc.

AMOUNT

THANK YOU FOR YOUR BUSINESS!

- Line

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Capitol Environmental Services, Inculting INVOICE

P.O. Box 37143 Baltimore, MD 21297-3143

SOLD TO:	
Carousel Center	
9090 Carousel Center Drive	
Syracuse, NY 13290	
Attn: Gail Carroll	
January Canon	

SHIPPED TO:	
Vickery Environmental, Inc.	

JUL 2 7 2010

Per _____ INVOICE NUMBER | WILM-MSCH-2786-18655-19104 INVOICE DATE |07/27/2010 TERMS | NET 30 DAYS YOUR ORDER NUMBER 17435 SALES REP M.Schubert SHIPPED VIA Page PREPAID or COLLECT | Collect

QUANTITY		DESCRIPTION	UNIT PRIC	E AMOUNT
4021.67	Gallons Disposal of F0: Manifest#004308187JJK	39 Water (VB5696)	\$0).32 \$1,286.93
1	Load Transportation		\$1,850	0.00 \$1,850.00
1	Each Fuel surcharge	(31%)	\$573	\$573.50
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(302)652-8999

AMOUNT

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Capitol Environmental Services, Inc.

INVOICE

P.O. Box 37143 Baltimore, MD 21297-3143

SOLD TO:
Carousel Center
9090 Carousel Center Drive
Syracuse, NY 13290
Attn: Gail Carroll

SHIPPED TO:
Vickery Environmental, Inc.

INVOICE NUMBER
INVOICE DATE
TERMS
YOUR ORDER NUMBER
SALES REP
SHIPPED VIA
SULM-MSCH2786-19060-19566
11/26/2010
NET 30 DAYS
17435
M.Schubert
Page

PREPAID or COLLECT | Collect

QUANTITY	DESCRIPT	TION	UNIT PRICE	AMOUNT
4057.52	Gallons Disposal of F039 Water (\mathbb{Manifest#004308188JJK}	VB5696)	\$0.32	\$1,298.41
1	Load Transportation		\$1,850.00	\$1,850.00
1	Each Fuel surcharge (34%)		\$629.00	\$629.00
				_
	Date of Shipment: 11/17/10			
	Generator: Conklin Limited 372 W. Hiawatha Blvd. Syracuse, NY 13202			
"Demurrage	and surcharges, if applicable, will be b	illed separately"	SUBTOTAL	\$3,777.41
			TAX (8%)	\$302.19 \$0.00
all:	ncerning this invoice? Amy Moser	MAKE ALL CHECKS Capitol Environmenta	PAYABLE TO:	\$4,079.60 PAY THIS AMOUNT

(302)652-8999

THANK YOU FOR YOUR BUSINESS!

Appendix C

Leachate Collection Sump, Leak Detection Sump, and Groundwater Monitoring Well Data

- C-1 LCS and LDS As-built Data
- C-2 LCS and LDS Monitoring Data
- C-3 Depth of Water in LCSs
- C-4 MW As-built Data
- C-5 MW Monitoring Data

Table C-1 **Conklin Limited** Site #734048 As-Built Data

	RIM	INV	1997 RIM	1997 INV	2004 RIM ²	2003 INV		RIM	INV	1997 RIM	1997 INV	2004 RIM ²	2003 INV
WELL	ELEV	ELEV	ELEV	ELEV ¹	ELEV	ELEV ¹	WELL	ELEV	ELEV	ELEV	ELEV ¹	ELEV	ELEV ¹
LCS-1	19.02	4.61	18.28	3.87	17.66	3.25	LDS-1	19.04	3.65	18.23	2.84	17.73	2.34
LCS-2	21.92	3.27	20.76	2.11	20.31	1.66	LDS-2	22.30	2.44	21.00	1.14	20.50	0.64
LCS-3	19.52	5.12	18.97	4.57	18.36	3.96	LDS-3	19.46	3.66	18.78	2.98	18.14	2.34
LCS-4	21.25	3.85	20.65	3.25	20.00	2.60	LDS-4	21.17	2.82	20.54	2.19	19.86	1.51
LCS-5	21.32	4.59	20.63	3.90	20.11	3.38	LDS-5	21.45	3.85	20.73	3.13	20.15	2.55

- Invert elevation calculated by subtracting difference in rim elevations from the former invert elevation.
 Rim elevations surveyed by C.T. Male Associates April 1, 2004.
 Data collected from 1997 through December 2002 reflect the 1997 survey information.
 Data collected in 2003 reflect the 2004 survey information.
 Elevations refer to Syracuse City Datum.

Table C-2 Conklin Limited Site #734048 Monitoring Data

	LCS-1		LDS-1		LCS-2		LDS-2		LCS-3		LDS-3		LCS-4	1	LDS-4		LCS-5		LDS-5	
	DEPTH		DEPTH		DEPTH		DEPTH		DEPTH		DEPTH		DEPTH		DEPTH		DEPTH		DEPTH	
DATE ¹	TO WATER ²	WATER ELEV ³	TO	WATER	TO	WATER	то	WATER	TO	WATER	то	WATER	то	WATER	то	WATER	то	WATER	то	WATER
02/25/94	12.91	6.11	WATER 13.89	ELEV 5.15	WATER NM	ELEV NM	WATER NM	ELEV NM	12.45	7.07	13.51	5.95	15.35	5.90	15.88	5.29	14.61	ELEV 6.71	7.67	13.78
03/31/94	12.71	6.31	13.15	5.89	18.65	3.27	NM	NM	12.44	7.08	14.55	4.91	15.35	5.90	14.29	6.88	14.59	6.73	7.64	13.81
04/27/94 05/24/94	12.19 12.09	6.83 6.93	12.66	6.38 5.63	14.81	7.11 7.41	15.97	6.33	12.48	7.04	13.46	6.00 4.80	15.23 14.96	6.02	14.14	7.03 5.65	14.60	6.72 7.07	13.30	8.15
05/24/94	13.19	5.83	13.41 13.77	5.63	14.51 15.76	6.16	16.61 16.46	5.69 5.84	12.41 13.24	7.11 6.28	14.66 14.67	4.80	15.40	6.29 5.85	15.52 15.87	5.30	14.25 14.60	6.72	16.83 17.17	4.62 4.28
07/20/94	13.69	5.33	14.01	5.03	17.04	4.88	16.78	5.52	13.42	6.10	14.77	4.69	16.08	5.17	16.26	4.91	15.49	5.83	15.94	5.51
08/11/94	14.29	4.73	15.05	3.99	17.30	4.62	17.35	4.95	13.78	5.74	14.80 14.69	4.66	16.17	5.08	16.51	4.66	16.04	5.28	16.82	4.63
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11/14/94	13.72	5.30	14.56	4.48	17.65	4.27	16.79	5.51	13.73	5.79	14.31	5.15	16.41	4.84	16.04	5.13	16.02	5.30	16.83	4.62
12/14/94 01/19/95	13.83 14.19	5.19 4.83	14.58 14.04	4.46 5.00	17.98 18.01	3.94 3.91	16.63 17.10	5.67 5.20	13.78 13.81	5.74 5.71	14.74 14.66	4.72 4.80	16.56 16.46	4.69 4.79	15.95 16.03	5.22 5.14	16.21 16.21	5.11 5.11	16.87 16.71	4.58 4.74
01/19/95	14.19	4.63	14.04	4.92	18.07	3.85	NM	NM	13.79	5.73	14.00	5.18	16.40	4.79	16.03	4.93	16.21	5.15	16.71	4.74
03/13/95	14.21	4.81	14.03	5.01	18.11	3.81	16.53	5.77	14.75	4.77	14.87	4.59	16.61	4.64	14.98	6.19	16.19	5.13	16.65	4.80
04/25/95 05/08/95	13.96 14.01	5.06 5.01	14.05 15.07	4.99 3.97	17.98 17.89	3.94 4.03	16.96 17.88	5.34 4.42	13.91 14.29	5.61 5.23	14.81 16.10	4.65 3.36	16.98 16.72	4.27 4.53	14.87 17.12	6.30 4.05	16.36 16.56	4.96 4.76	15.39 16.47	6.06 4.98
06/05/95	14.01	4.92	14.42	4.62	17.09	3.94	17.38	4.42	13.79	5.73	15.13	4.33	16.72	4.33	16.04	5.13	16.36	4.76	16.56	4.89
07/21/95	14.03	4.99	14.83	4.21	18.03	3.89	17.15	5.15	13.31	6.21	15.32	4.14	16.48	4.77	16.04	5.13	16.49	4.83	16.51	4.94
08/30/95 09/26/95	14.00 14.04	5.02 4.98	14.25 14.09	4.79 4.95	18.05	3.87 3.83	17.35 16.86	4.95 5.44	13.79	5.73 5.87	15.44 15.79	4.02	16.51 16.53	4.74 4.72	16.02 16.91	5.15 4.26	16.35	4.97 5.14	16.64 16.76	4.81 4.69
10/23/95	13.91	5.11	14.09	4.95 5.02	18.09 18.32	3.60	16.43	5.44	13.65 14.13	5.87	15.79	3.67 3.84	16.45	4.72	16.29	4.26	16.18 16.22	5.14	16.14	5.31
11/27/95	13.87	5.15	14.40	4.64	17.71	4.21	15.84	6.46	13.46	6.06	15.50	3.96	16.24	5.01	14.33	6.84	16.11	5.21	14.01	7.44
12/28/95 03/13/96	14.01 13.81	5.01 5.21	14.12 13.72	4.92 5.32	18.08 16.47	3.84 5.45	16.70 16.42	5.60 5.88	13.92 12.86	5.60 6.66	15.73 15.45	3.73 4.01	16.48 16.02	4.77 5.23	15.50 14.07	5.67 7.10	16.26 15.91	5.06 5.41	15.97 13.01	5.48 8.44
05/15/96	13.92	5.10	13.44	5.60	17.38	4.54	16.42	5.93	13.68	5.84	14.76	4.01	16.40	4.85	14.07	7.10	16.23	5.09	14.81	6.64
08/27/96	13.88	5.14	13.98	5.06	17.62	4.30	16.98	5.32	13.21	6.31	14.83	4.63	16.18	5.07	14.38	6.79	16.09	5.23	15.93	5.52
11/13/96 3/10/1997 ⁴	13.90 13.94	5.12 4.34	13.56 13.42	5.48 4.81	17.42 17.40	4.50 3.36	15.92 16.51	6.38 4.49	13.38 13.39	6.14 5.58	13.58 12.91	5.88 5.87	16.20 16.22	5.05 4.43	14.25 13.94	6.92 6.60	16.10 16.12	5.22 4.51	15.53 15.11	5.92 5.62
06/03/97	13.88	4.40	13.42	4.61	17.40	3.40	16.86	4.49	13.42	5.55	13.59	5.07	16.22	4.43	14.01	6.53	16.12	4.61	14.74	5.02
08/10/97	13.88	4.40	13.71	4.52	17.41	3.35	16.68	4.32	13.40	5.57	13.62	5.16	16.28	4.37	13.97	6.57	16.21	4.42	14.68	6.05
10/14/97	13.91	4.37	13.46	4.77	17.44	3.32	16.58	4.42	13.31	5.66	13.45	5.33	16.28	4.37	13.44	7.10	16.07	4.56	14.81	5.92
03/19/98 06/22/98	13.68 13.75	4.60 4.53	13.15 13.82	5.08 4.41	16.32 17.41	4.44 3.35	16.10 16.83	4.90 4.17	12.92 12.81	6.05 6.16	13.59 13.56	5.19 5.22	15.78 15.63	4.87 5.02	13.88 13.98	6.66 6.56	17.40 16.17	3.23 4.46	10.35 15.83	10.38 4.90
09/03/98	13.61	4.67	13.62	4.61	17.21	3.55	16.88	4.12	12.79	6.18	13.41	5.37	15.68	4.97	14.48	6.06	16.51	4.12	16.11	4.62
11/16/98	13.66	4.62 4.31	14.00	4.23 4.55	17.30 17.95	3.46 2.81	16.79 17.21	4.21 3.79	12.78	6.19 5.25	13.57 14.93	5.21	15.65	5.00 4.40	15.16 16.52	5.38 4.02	16.33 16.07	4.30	15.68 14.81	5.05 5.92
06/10/99 03/20/00	13.97 NM	4.31 NM	13.68 13.14	5.09	17.95 NM	NM	16.70	4.30	13.72 NM	5.25 NM	13.45	3.85 5.33	16.25 NM	4.40 NM	13.87	6.67	NM	4.56 NM	14.81	6.48
06/23/00	NM	NM	13.28	4.95	NM	NM	16.47	4.53	NM	NM	13.62	5.16	NM	NM	13.97	6.57	NM	NM	14.01	6.72
08/29/00	13.71	4.57	13.60	4.63	16.51	4.25	14.87	6.13	13.86	5.11	14.01	4.77	16.12	4.53	13.93	6.61	15.70	4.93	12.16	8.57
04/02/01 06/26/01	NM 13.83	NM 4.45	12.87 NM	5.36 NM	NM 17.01	NM 3.75	15.80 NM	5.20 NM	NM 16.31	NM 2.66	13.01 NM	5.77 NM	NM 16.82	NM 3.83	13.51 NM	7.03 NM	NM 15.83	NM 4.80	14.70 NM	6.03 NM
08/29/01	NM	NM	11.84	6.39	NM	NM	17.42	3.58	NM	NM	13.21	5.57	NM	NM	13.94	6.60	NM	NM	12.18	8.55
05/07/02	NM	NM	11.53	6.70	NM	NM	17.21	3.79	NM	NM	13.25	5.53	NM	NM	13.87	6.67	NM	NM	12.01	8.72
06/24/02 10/14/02	13.90 NM	4.38 NM	NM 11.75	NM 6.48	17.40 NM	3.36 NM	NM 15.71	NM 5.29	13.51 NM	5.46 NM	NM 13.61	NM 5.17	16.36 NM	4.29 NM	NM 14.01	NM 6.53	16.17 NM	4.46 NM	NM 10.88	NM 9.85
07/16/03	13.96	3.70	NM	NM	17.43	2.88	NM	NM	13.53	4.83	NM	NM	16.32	3.68	NM	NM	16.21	3.90	NM	NM
10/20/03 11/05/03	NM NM	NM NM	12.01 NM	5.72 NM	NM NM	NM NM	15.58 NM	4.92 NM	NM NM	NM NM	13.70 NM	4.44 NM	NM NM	NM NM	NM 14.63	NM 5.23	NM NM	NM NM	NM 11.21	NM 8.94
6/15/2004	NM	NM	12.48	5.25	NM	NM	15.15	5.35	NM	NM	12.98	5.16	NM	NM	13.12	6.74	NM	NM	10.03	10.12
9/1/2004	14.25	3.41	NM	NM	17.03	3.28	NM	NM	13.61	4.75	NM	NM	16.12	3.88	NM	NM	16.30	3.81	NM	NM
10/27/2004 7/11/2005	NM 14.31	NM 3.35	11.93 12.02	5.80 5.71	NM 17.18	NM 3.13	15.10 15.52	5.40 4.98	NM 13.80	NM 4.56	13.02 13.33	5.12 4.81	NM 16.48	NM 3.52	12.93 12.81	6.93 7.05	NM 16.11	NM 4.00	11.22 10.91	8.93 9.24
8/24/2006	14.03	3.63	12.38	5.35	17.29	3.02	15.82	4.68	13.73	4.63	13.46	4.68	16.53	3.47	12.37	7.49	15.94	4.17	10.58	9.57
8/14/2007	14.13	3.53	NM 40.50	NM	17.22	3.09	NM 40.04	NM	13.68	4.68	NM 40.00	NM	16.61	3.39	NM	NM 7.00	15.87	4.24	NM 40.74	NM
9/26/2007 8/4/2008	NM 14.12	NM 3.54	12.53 NM	5.20 NM	NM 17.36	NM 2.95	16.01 NM	4.49 NM	NM 13.68	NM 4.68	13.60 NM	4.54 NM	NM 16.44	NM 3.56	12.56 NM	7.30 NM	NM 15.88	NM 4.23	10.74 NM	9.41 NM
8/25/2008	NM	3.54 NM	12.62	5.11	NM	2.95 NM	15.96	4.54	NM	NM	13.28	4.86	NM	NM	12.52	7.34	15.88 NM	4.23 NM	10.27	9.88
7/10/2009	14.28	3.38	NM	NM	17.87	2.44	NM	NM	13.81	4.55	NM	NM	16.80	3.20	NM	NM	15.78	4.33	NM	NM
9/10-11/09 9/9/2010	NM 13.82	NM 3.84	12.34 NM	5.39 NM	NM 16.82	NM 3.49	15.77 NM	4.73 NM	NM 13.53	NM 4.83	13.47 NM	4.67 NM	NM 16.61	NM 3.39	12.38 NM	7.48 NM	NM 15.73	NM 4.38	10.48 NM	9.67 NM
9/13/2010	NM	NM	13.51	4.22	NM	NM	16.26	4.24	NM	NM	13.17	4.97	NM	NM	14.85	5.01	NM	NM	13.85	6.30

- Notes:

 NM = not measured on that date.

 1. Date of leachate collection sump monitoring.

 2. Depth to water in feet.

 3. Elevations refer to Syracuse City Datum.

 4. Elevation data collected from 1997 through December 2002 reflect the 1997 survey information.

 5. Elevation data collected in 2003 through 2010 inclusive reflect the 2004 survey information.

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Table C-3 **Conklin Limited** Site #734048
Depth of Water in LCS (feet)

	LCS-1	LCS-2	LCS-3	LCS-4	LCS-5
	WATER LEVEL				
DATE ¹					***************************************
2/25/1994	1.50	NM	1.95	2.05	2.12
3/31/1994	1.70	0.00	1.96	2.05	2.14
4/27/1994	2.22	3.84	1.92	2.17	2.13
5/24/1994	2.32	4.14	1.99	2.44	2.48
6/21/1994	1.22	2.89	1.16	2.00	2.13
7/20/1994	0.72	1.61	0.98	1.32	1.24
8/11/1994	0.12	1.35	0.62	1.23	0.69
9/7/1994	0.50	2.33	0.61	1.00	0.62
10/13/1994	0.59	1.33	0.66	0.96	0.57
11/14/1994	0.69	1.00	0.67	0.99	0.71
12/14/1994	0.58	0.67	0.62	0.84	0.52
01/19/95	0.22	0.64	0.59	0.94	0.52
2/18/1995	0.18	0.58	0.61	1.00	0.56
3/13/1995	0.20	0.54	-0.35	0.79	0.54
4/25/1995	0.45	0.67	0.49	0.42	0.37
5/8/1995	0.40	0.76	0.11	0.68	0.17
6/5/1995	0.31	0.67	0.61	0.63	0.26
7/21/1995	0.38	0.62	1.09	0.92	0.24
8/30/1995	0.41	0.60	0.61	0.89	0.38
9/26/1995	0.37	0.56	0.75	0.87	0.55
10/23/1995	0.50	0.33	0.27	0.95	0.51
11/27/1995	0.54	0.94	0.94	1.16	0.62
12/28/1995	0.40	0.57	0.48	0.92	0.47
3/13/1996	0.60	2.18	1.54	1.38	0.82
5/15/1996	0.49	1.27	0.72	1.00	0.50
8/27/1996	0.53	1.03	1.19	1.22	0.64
11/13/1996	0.51	1.23	1.02	1.20	0.63
3/10/1997	0.47	1.25	1.01	1.18	0.61
6/3/1997	0.53	1.29	0.98	1.09	0.71
8/10/1997	0.53	1.24	1.00	1.12	0.52
10/14/1997	0.50	1.21	1.09	1.12	0.66
3/19/1998	0.73	2.33	1.48	1.62	-0.67
6/22/1998	0.66	1.24	1.59	1.77	0.56
9/3/1998	0.80	1.44	1.61	1.72	0.22
11/16/1998	0.75	1.35	1.62	1.75	0.40
6/10/1999	0.44	0.70	0.68	1.15	0.66
3/20/2000 6/23/2000	NM NM	NM NM	NM NM	NM NM	NM NM
6/23/2000 8/29/2000	0.70	2.14	0.54	1.28	1.03
6/29/2000 4/2/2001	NM	2.14 NM	0.54 NM	NM	NM
6/26/2001	0.58	1.64	-1.91	0.58	0.90
8/29/2001	NM	NM	NM	NM	NM
5/7/2002	NM	NM	NM	NM	NM
6/24/2002	0.51	1.25	0.89	1.04	0.56
10/14/2002	NM	NM	NM	NM	NM
7/16/2003	0.45	1.22	0.87	1.08	0.52
10/20/2003	NM	NM	NM	NM	NM
11/5/2003	NM	NM	NM	NM	NM
6/15/2004	NM	NM	NM	NM	NM
9/1/2004	0.16	1.62	0.79	1.28	0.43
10/27/2004	NM	NM	NM	NM	NM
7/11/2005	0.10	1.47	0.60	0.92	0.62
8/24/2006	0.38	1.36	0.67	0.87	0.79
8/14/2007	0.28	1.43	0.72	0.79	0.86
8/4/2008	0.29	1.29	0.72	0.96	0.85
7/10/2009	0.13	0.78	0.59	0.60	0.95
9/9/2010	0.59	1.83	0.87	0.79	1.00
5/3/2010	U.J3	1.00	0.07	0.13	1.00

Notes:

NM = not measured on that date.

- 1. Date of leachate collection sump monitoring.
- Data collected from 1997 through December 2002 reflect the 1997 survey information.
 Data collected in 2003 through 2010 inclusive reflect the 2004 survey information.
 Based on the 1998 RAP, the corrective action level for the LCSs is 1.5 ft.

Table C-4 **Conklin Limited** Site #734048 Ground Water Monitoring Well As-built Data

	RIM	INV	1997 RIM	2004 RIM
WELL	ELEV	ELEV	ELEV	ELEV ³
MW-1	15.67	-5.96	15.48	15.05
MW-2	15.46	-6.50	15.01	14.56
MW-3	16.03	-5.79	15.62	15.14
MW-4	15.82	-8.00	15.55	15.20
MW-5 ²			17.63	18.12

- 1. Elevations refer to Syracuse City Datum.
- MW-5 installed May 23, 1997.
 Rim elevations surveyed by C.T. Male April 1, 2004.

Table C-5 **Conklin Limited** Site #734048 **Ground Water Monitoring Well Monitoring Data**

	MW-1 DEPTH		MW-2 DEPTH		MW-3 DEPTH		MW-4 DEPTH		MW-5 DEPTH	
	TO	WATER	TO	WATER	TO	WATER	TO	WATER	TO	WATER
DATE ¹	WATER ²	ELEV ³	WATER	ELEV	WATER	ELEV	WATER	ELEV	WATER	ELEV
2/25/1994		NM	NM	NM	NM	NM	NM	NM	WAIER	ELEV
3/31/1994	NM 9.87	5.80	9.41	6.05	10.30	5.73	10.42	5.40		
4/28/1994	11.13	4.54	10.55	4.91	11.04	4.99	11.56	4.26		
5/30/1994	11.76	3.91	10.33	4.75	10.93	5.10	11.67	4.20		
6/7/1994	11.76	4.10	11.15	4.73	11.58	4.45	11.73	4.13		
7/12/1994	11.36	4.31	11.00	4.46	11.57	4.46	11.73	4.49		
8/31/1994	10.97	4.70	10.60	4.86	11.58	4.45	10.41	5.41		
9/1/1994	10.97	4.70	10.60	4.86	11.58	4.45	10.41	5.41		
10/11/1994	11.31	4.36	11.01	4.45	11.91	4.12	10.41	5.26		
11/7/1994	11.17	4.50	10.54	4.92	11.58	4.45	10.70	5.12		
12/7/1994	11.18	4.49	9.88	5.58	11.37	4.66	10.46	5.36		
01/13/95	10.96	4.71	10.52	4.94	11.41	4.62	10.43	5.18		
02/03/95	11.23	4.44	11.02	4.44	11.63	4.40	10.44	5.38		
03/13/95	10.93	4.74	10.15	5.31	10.93	5.10	10.28	5.54		
04/19/95	11.26	4.41	10.10	4.57	11.41	4.62	10.33	5.49		
05/08/95	11.46	4.21	11.21	4.25	11.66	4.37	10.32	5.50		
06/01/95	11.47	4.20	11	4.46	11.86	4.17	10.48	5.34		
7/5/1995	11.72	3.95	11.43	4.03	12.15	3.88	10.56	5.26		
8/10/1995	11.81	3.86	11.54	3.92	12.3	3.73	10.42	5.40		
09/25/95	11.78	3.89	11.52	3.94	12.22	3.81	10.46	5.36		
10/20/95	11.45	4.22	10.97	4.49	11.53	4.50	10.36	5.46		
11/17/95	11.39	4.28	10.88	4.58	11.48	4.55	10.39	5.43		
12/02/95	11.31	4.36	10.85	4.61	11.41	4.62	10.42	5.40		
3/20/1996	10.62	5.05	9.78	5.68	10.51	5.52	10.17	5.65		
5/8/1996	10.39	5.28	10.13	5.33	10.59	5.44	9.94	5.88		
8/21/1996	11.46	4.21	10.9	4.56	11.56	4.47	10.49	5.33		
11/5/1996	11.29	4.38	10.96	4.50	11.45	4.58	10.33	5.49		
3/10/19974	10.41	5.07	10.24	4.77	10.64	4.98	10.15	5.40		
6/17/1997	10.92	4.56	10.21	4.80	11.15	4.47	10.21	5.34	13.98	3.65
8/12/1997	10.53	4.95	10.27	4.74	10.81	4.81	10.28	5.27	14.01	3.62
10/15/1997	10.88	4.60	10.18	4.83	11.05	4.57	10.27	5.28	14.15	3.48
3/16/1998	10.46	5.02	10.17	4.84	NM	NM	10.1	5.45	13.62	4.01
6/15/1998	11.03	4.45	10.36	4.65	11.23	4.39	10.18	5.37	13.98	3.65
9/3/1998	10.61	4.87	10.26	4.75	11.17	4.45	10.26	5.29	13.83	3.80
11/16/1998	10.86	4.62	10.28	4.73	11.18	4.44	10.21	5.34	13.83	3.80
6/22/1999	11.48	4.00	10.93	4.08	11.67	3.95	9.71	5.84	14.52	3.11
8/9/2000	10.48	5.00	10.33	4.68	10.73	4.89	9.85	5.70	14.23	3.40
7/19/2001	11.14	4.34	10.49	4.52	8.92	6.70	9.97	5.58	13.8	3.83
7/17/2002	11.00	4.48	10.53	4.48	11.2	4.42	9.78	5.77	13.91	3.72
8/5/2003	10.82	4.23	10.27	4.29	10.55	4.59	9.69	5.51	13.83	4.29
8/23/2004	10.57	4.48	10.02	4.54	10.43	4.71	9.72	5.48	13.36	4.76
8/17/2005	11.14	3.91	10.8	3.76	11.23	3.91	8.93	6.27	14.31	3.81
9/11/2006	10.93	4.12	10.35	4.21	10.13	5.01	9.25	5.95	13.53	4.59
10/31/2007	10.86	4.19	10.38	4.18	9.94	5.20	9.31	5.89	13.48	4.64
10/11/2008	11.48	3.57	10.88	3.68	11.46	3.68	11.34	3.86	13.88	4.24
10/19/2009	11.18	3.87	10.72	3.84	10.13	5.01	10.78	4.42	13.68	4.44
9/10/2010	10.83	4.22	10.30	4.26	10.50	4.64	10.88	4.32	12.11	6.01

NM = not measured on that date.

- 1. Date of monitoring well monitoring.
- 2. Depth to water in feet.
- Elevations refer to Syracuse City Datum.
 Elevation data collected from 1997 through December 2002 reflect the 1997 survey information.
- 5. Elevation data collected in 2003 through 2010 inclusive reflect the 2004 survey information.

Appendix D

Laboratory Analytical Results

- D-1 LCS-1 and LDS-1 Water Quality
 Data
- D-2 LCS-2 and LDS-2 Water Quality
 Data
- D-3 LCS-3 and LDS-3 Water Quality
 Data
- D-4 LCS-4 and LDS-4 Water Quality
 Data
- D-5 LCS-5 and LDS-5 Water Quality
 Data
- D-6 LCS-6 and LDS-6 Water Quality
 Data

Table D-1 Conklin Limited Site #734048 Laboratory Analytical Results Leachate Collection Sump (LCS) and Leak Detection Sump (LDS) LCS-1 and LDS-1 Water Quality Data

																			Sa	ampl	e Loc	ation	and [Date																		
	3/31/1994	3/10/1994	6/14/1994	5/27/1994	9/7/1994	8/11/1994	10/13/1994	10/12/1994	1/14/1995	1/17/1995	5/31/1995	0/5/1995	10/23/1995	10/31/1995	0881/01/0	5/29/1996	6/3/1997	6/30/1997	6/23/1998	0007070	9/28/1999	8/16/2000	8/29/2000	6/26/2001	8/30/2001	6/24/2002	10/15/2002	7/16/2003	10/2/02/03	10/27/2004	7/11/2005	10/31/2005	8/24/2006	10/23/2006	8/14/2007	9/26/2007	8/4/2008	8/25/2008	7/10/2009	9/10/2009	9/9/2010	9/13/2010
Compound	LCS-1	LDS-1	LCS-1	LDS-1	LCS-1	LDS-1	LCS-1	LDS-1	LCS-1	LDS-1	LCS-1	1-00-I	LCS-1	-603-	 0 0	LDS-1	LCS-1	LDS-1	LCS-1 LDS-1		LCS-1 LDS-1	LCS-1	LDS-1	LCS-1	LDS-1	LCS-1	LDS-1	LCS-1	5 0	LDS-1	LCS-1	LDS-1	LCS-1	LDS-1	LCS-1	LDS-1	LCS-1	LDS-1	LCS-1	LDS-1	LCS-1	LDS-1
Dichlorodifluoromethane	63					1								-						. .									- -									1				
Chloroethane														-						. .					26		11		- -		58				238			6.6				
Chloromethane						593	1100	715						-						. .									- -													
Vinyl chloride	88	387	918							252	4	50		-	2	210	:	37	32	2 .	12	18		16		20 2	260	1	90 4	4 24	21				168		15	1.4				
Trans-1,2-dichloroethene														-						. .		5.6	;						- -				1.5									
1,1-Dichloroethene		303												-						. .									- -													
Methylene chloride			41									1	180	-						. .									- -													
1,1-Dichloroethane	108		377	810	480	390	615	197		88	54 9	90	90 5	54 16	60 6	60	114	58 2	24 13	5 1	60 68	14	32	88	21	88 2	220	33 2	70 19	90 190	109	9 96	14	5.2	135	11	51	17	55	56	6.9	8.4
Chloroform	44													-						. .									- -													
1,1,1-Trichloroethane	65	310	130	730	325	250	129	286		103	30 7	70	64 7	70 2	21 7	76	25	29	35	5 1	12	31		12				1	1 1	7												
Trichloroethene			36											1	4		6.1			. .		22							- -							1.5						
Toluene														-						5	.5								- -													
Total Xylenes														- -						.									- -													

- 1. Results reported in micrograms per liter (ug/L)(ppb)
- 2. USEPA Method 601/602 performed by Certified Environmental Services, Inc.
- 3. -- = Constituent not detected above laboratory detection limits
- 4. Analytical results for compounds not reported above were below laboratory detection limits

Table D-2 Conklin Limited Site #734048 Laboratory Analytical Results Leachate Collection Sump (LCS) and Leak Detection Sump (LDS) LCS-2 and LDS-2 Water Quality Data

																			Sa	ample	e Loc	ation	and I	Date																			$\overline{}$
	3/31/1994		6/14/1994	5/27/1994	9/7/1994	8/11/1994	10/13/1994	10/12/1994	1/14/1995	1/17/1995	6/5/1995	6/5/1995	10/23/1995	10/31/1995	5/15/1996	5/29/1996	6/3/1997	6/26/1997	6/23/1998	6/25/1998	6/10/1999	9/28/1999		8/29/2000	6/26/2001	6/24/2002	10/14/2002	7/16/2003	10/20/2003	9/1/2004	10/20/2004	7/11/2005	10/31/2005	8/24/2006	10/23/2006	8/14/2007	9/26/2007	8/4/2008	8/25/2008	7/10/2009	9/10/2009	9/9/2010	9/13/2010
Compound	LCS-2	7007	LCS-2	LDS-2	LCS-2	LDS-2	LCS-2	LDS-2	LCS-2	LDS-2	LCS-2	LDS-2	LCS-2	LDS-2	LCS-2	LDS-2	LCS-2	LDS-2	LCS-2	LDS-2	LCS-2	LDS-2	LCS-2	LDS-2	LCS-2	LCS-2	LDS-2	LCS-2	LDS-2	LCS-2	LDS-2	LCS-2	LDS-2	LCS-2	LDS-2	LCS-2	LDS-2	LCS-2	LDS-2	LCS-2	LDS-2	LCS-2	LDS-2
Dichlorodifluoromethane		-																				-							1		1				ı								
Chloromethane		-				2824	177	1160																		-																	
Vinyl chloride	9.7 -	- 3	3230	985						591		1200		630		210		72		160		44		25	18 3	8 73	31		89		41	25	17	184		6.2	2.4	23		6.3			
Chloroethane		-																				30				- 63	67					69	52			27	6.9						
2-Butanone		-																								-																	
1,1-Dichloroethene		-																								-																	
Methylene chloride		- '	164										200													-																	
1,1-Dichloroethane	23 -	-	584	442	398	169	230	239	168	156	64		150	120	15		52	71	257	250	186	115	221	50	95 4	8 290)	25	170	140	180	112	50	132	5.2	34	24	57	18	61	42	6.9	8.4
Chloroform		-																								-																	
1,1,1-Trichloroethane	4.9 -	- -	114	225	260	115	175	125		80	30	30	32	45	7	32	17	7.2	22	10	14		20		13 -	-																	
Trichloroethene	1.8 -	-										130				43			20		8.5		14			-																	
Toluene		-	68																							-																	
Total Xylenes		-																																									

- * = Not Sampled
- Results reported in micrograms per liter (ug/L)(ppb)
 USEPA Method 601/602 performed by Certified Environmental Services, Inc.
- 3. -- = Constituent not detected above laboratory detection limits
- 4. Analytical results for compounds not reported above were below laboratory detection limits

Table D-3 Conklin Limited Site #734048 Laboratory Analytical Results Leachate Collection Sump (LCS) and Leak Detection Sump (LDS) LCS-3 and LDS-3 Water Quality Data

																			San	nple	Loca	tion a	and D	ate													<u>=</u>					<u>=</u>	<u>=</u>	
Compound	LCS-3 3/31/1994	LDS-3 3/10/1994	LCS-3 6/14/1994	LDS-3 5/27/1994	LCS-3 9/7/1994	LDS-3 8/11/1994	LCS-3 10/13/1994	LDS-3 10/12/1994	LCS-3 1/14/1995	LDS-3 1/17/1995	.5 6	LDS-3 6/5/1995	S-3 1	LDS-3 10/31/1995	LCS-3 5/15/1996	LDS-3 5/29/1996	LCS-3 6/3/1997	LDS-3 6/27/1997	LCS-3 6/22/1998	LDS-3 6/24/1998	LCS-3 6/10/1999	LDS-3 9/9/1999	LCS-3 8/16/2000	LDS-3 8/29/2000	S-3 6	LDS-3 8/29/2001	LCS-3 6/24/2002	LDS-3 10/14/2002	LCS-3 7/16/2003	LDS-3 10/20/2003	LCS-3 9/1/2004	LDS-3 10/28/2004	LCS-3 7/11/2005	LDS-3 10/31/2005	LCS-3 8/24/2006	LDS-3 10/23/2006	6	က္	က် တ	က္	-3 7/10	LDS-3 9/11/2009	LCS-3 9/9/2010	LDS-3 9/13/2010
Dichlorodifluoromethane																																-		-										
Chloromethane						1900	113	1900			120																																	
Chloroethane																										65	73	67	230	66								3	30 :	30				
Vinyl chloride	160	243	2477	1220							!	920		62		60							71	25	57	33	31			35	69		148			26	20	:	21	12				
1,1-Dichloroethene		42.7																																										
Methylene chloride			180	302									380																															
1,1-Dichloroethane	42		202	84	309		286	274	540	70	510	63	240	26	160	12	130	9.8	840		164		253	188	172	175	270	150	150	150	210	180	103	36	44	65	134	132 5	56	26	58	34	7.5	8.2
Chloroform																						7.0																						
1,1,1-Trichloroethane	13	20.7	113	62	161		121	273		92	34	30	57	11		6.9	19		18		11																							
Trichloroethene																			14				8.0																					
Toluene																						-																						
Total Xylenes																																												
Carbon tetrachloride																																						9.9						
Trans-1,2-Dichloroethene																				30																	-							

- 1. Results reported in micrograms per liter (ug/L)(ppb)
- 2. USEPA Method 601/602 performed by Certified Environmental Services, Inc.
- 3. -- = Constituent not detected above laboratory detection limits
- 4. Analytical results for compounds not reported above were below laboratory detection limits

Table D-4 Conklin Limited Site #734048 Laboratory Analytical Results Leachate Collection Sump (LCS) and Leak Detection Sump (LDS) LCS-4 and LDS-4 Water Quality Data

																			Sampl	le Lo	cation	and I	Date																		—	$\overline{}$
	3/31/1994	3/10/1994	6/14/1994	5/27/1994	9/7/1994	8/11/1994	10/13/1994	10/12/1994	1/14/1995	1/17/1995	6/5/1995	6/5/1995	10/23/1995	10/31/1995	5/15/1996	5/29/1996	6/3/1997	6/27/1997	6/22/1998	6/24/1998	6/10/1999	8/16/2000	8/29/2000	6/26/2001	8/29/2001	6/24/2002	10/14/2002	7/16/2003	11/5/2003	9/1/2004	7/11/2005	10/31/2005	8/24/2006	10/23/2006	8/14/2007	9/27/2007	8/4/2008	8/25/2008	7/10/2009	9/11/2009	9/9/2010	9/13/2010
Compound	LCS-4	LDS-4	LCS-4	LDS-4	LCS-4	LDS-4	LCS-4	LDS-4	LCS-4	LDS-4	LCS-4	LDS-4	LCS-4	LDS-4	LCS-4	LDS-4	LCS-4	LDS-4	LCS-4	LDS-4	LCS-4	CS - 4		LCS-4	LDS-4	LCS-4	LDS-4	LCS-4	LDS-4	LCS-4	LCS-4	- S	LCS-4	LDS-4	LCS-4	LDS-4	LCS-4	LDS-4	LCS-4	LDS-4	LCS-4	LDS-4
Dichlorodifluoromethane										-												. -										_				-						
Chloromethane					2100	5081	143	2100			66										1	1 -									-	-	.									
Trans-1,2-dichloroethane																						- 8.	0								-	_	.									
Chloroethane																					6	5 -			- - -	76	68		32		- 10.	5 -	.					39				
Vinyl chloride	1330	451	3104	2570						1100			8	830	52	760		170	70 6	30	4	6 8) 30) 15	0 30	86				63 -	- 10	3 12	9	65	32		16	12				7.2
1,1-Dichloroethene		351																				- -									-	-	.									
Methylene chloride			223	693									93									- -									-		.									
1,1-Dichloroethane	510		1302	639	1600	877	362	813	540	430	320	274	220 3	320	160	285	146	320	7	10 1	78 25	55 20	4 19	8 24	8 175	310	140	35	6.0	180 8	9 10	7 11	0	130	135	42	58	25	56	43	7.6	8.8
Chloroform	65																		8 -			- -									-	-	.									
1,1,1-Trichloroethane	70	68.5	191	177	285		130	279		104	49	45	60	52	16	43	21	14	18	.	14 5.	5 3	4		- - -					13 -	-	-	.									
Trichloroethene																			9 -			- 1	7								-	-	.									
Toluene			59																			- -			- - -						-	_	.									
Bromomethane																						- -			- - -						- 21.	5 -	.									
Total Xylenes											1							I														_	.									

- 1. Results reported in micrograms per liter (ug/L)(ppb)
- 2. USEPA Method 601/602 performed by Certified Environmental Services, Inc.
- 3. -- = Constituent not detected above laboratory detection limits
- 4. Analytical results for compounds not reported above were below laboratory detection limits

Table D-5 Conklin Limited Site #734048 Laboratory Analytical Results Leachate Collection Sump (LCS) and Leak Detection Sump (LDS) LCS-5 and LDS-5 Water Quality Data

	<u> </u>																			0	-1-1-	1 -		- L D																			
Compound		LDS-5 3/10/1994	LCS-5 6/14/1994	LDS-5 5/27/1994	LCS-5 9/7/1994	LDS-5 8/11/1994	LCS-5 10/13/1994	LDS-5 10/12/1994	LCS-5 1/14/1995	LDS-5 1/17/1995	LCS-5 6/5/1995	LDS-5 6/5/1995	LCS-5 10/23/1995	LDS-5 10/31/1995	LCS-5 5/15/1996	LDS-5 5/29/1996	LCS-5 6/3/1997	LDS-5 6/27/1997	LCS-5 6/23/1998	-5 6/25/1998	LCS-5 6/10/1999 ald ple CS-5 9/9/1999 CS-5 9/9/1999	000	5 8/29/2000	5 6/26/2001	-5 8/29/2001	2	LDS-5 10/15/2002	LCS-5 7/10/2003	LDS-5 11/5/2003	LCS-5 9/1/2004	LDS-5 10/28/2004	LCS-5 7/11/2005	LDS-5 10/31/2005	LCS-5 8/24/2006	LDS-5 10/23/2006	LCS-5 8/14/2007	LDS-5 9/27/2007	LCS-5 8/4/2008	LDS-5 8/25/2008	LCS-5 7/10/2009	LDS-5 9/11/2009	LCS-5 9/9/2010	LDS-5 9/13/2010
Dichlorodifluoromethane	26																																1-										
Chloromethane					2100	45	1276				20							-				.		.									-										
Chloroethane																						.		.		75			58			38				29					37		
Vinyl chloride			1417	49					19			920		20		15						24	4	10	6	120			170	55		26	155		1.5	17		16		8.9	17		1
1,1-Dichloroethene		9																				.																					
Methylene chloride			142	5.1									120								10			-																			
1,1-Dichloroethane	21		440	23	1600	17	495	14	58	9.7	120	330	230	14	270	14	105	16	122		58 -	33	86 8.0	0 30	5 17	310		60	180	140	270	113	150	7.2	20	24	7	56	17	58	59	6.7	9.4
Chloroform																																					1.2						
1,1,1-Trichloroethane			94	3.9	282		125		7.9	1.2	26		60		28		21		12		12	. 1	5																				
Trichloroethene				2.3							18	40				1.3			15			. 14	4	-												5.4	1.1						
Toluene			35																																			4.0					
Bromomethane																						-										21											
Total Xylenes			52																			.																					

- 1. Results reported in micrograms per liter (ug/L)(ppb)
- 2. USEPA Method 601/602 performed by Certified Environmental Services, Inc.
- 3. -- = Constituent not detected above laboratory detection limits
- 4. Analytical results for compounds not reported above were below laboratory detection limits

Table D-6 Conklin Limited Site #734048 Laboratory Analytical Results Leachate Collection Sump (LCS) and Leak Detection Sump (LDS) MW-1 through MW-5 Water Quality Data

	MW-1	MW-2	MW-3	MW-4	MW-5
Compound	3/31/1994 6/7/1994 9/1/1994 10/11/1995 10/20/1995 5/31/1996 6/17/1997 6/15/1999 8/9/2000 7/31/2001 7/17/2002 8/5/2003 8/5/2003 8/5/2003 8/17/2005 9/11/2006	9/10/2009 9/10/2009 9/10/2001 9/11/1994 1/1/1994 1/1/1995 1/1/1995 5/31/1995 5/31/1995 6/12/1999 8/9/2000 7/31/2002 8/5/2003 8/5/2003 8/5/2003 8/5/2003 8/11/2006 1/17/2005 9/11/2006 1/17/2009 9/10/2010	6/7/1994 9/1/1994 1/13/1995 6/31/1995 6/16/1996 6/17/1997 6/16/1999 8/9/2000 7/31/2001 7/17/2002 8/5/2003 8/5/2003 8/17/2005 8/17/2005 9/11/2006 1/0/31/2007	3/31/1994 6/7/1994 9/1/1994 1/01/1/1995 5/31/1995 5/16/1996 6/17/1997 6/16/1998 6/22/1999 8/9/2000 7/31/2001 7/31/2002 8/17/2002 8/17/2002 8/17/2003 8/17/2003 8/17/2009 9/10/31/2009	6/17/1997 6/16/1998 8/9/2000 7/31/2001 7/17/2002 8/5/2003 8/23/2004 8/17/2005 9/11/2006 10/31/2009 9/10/2010
Chloromethane	3.3	2.6			
1,1-Dichloroethene	2.4	3.1	. 1.5		
Trans-1,2-dichloroethene					
1,1-Dichloroethane		1.5			
Chloroform Trichloroethene					
Chlorobenzene					
1,4-Dichlorobenzene					
Benzene				7.3 14 4.5 2.5 - 3.6 3.7 4.1 2.7 2.4 2.2 - 3.7 - 1.1 1.5	4.1 2.7 2.4 1.3
Toluene	5.0 4.1 2.9 3.0 1.6 1.6 4.7 2.1 1.9 5.2	5.1		1.9 5.1	1.0
2-Butanone	-				
Total Xylenes					
M&P Xylene Vinyl Chloride					1.5

Notes:

- Results reported in micrograms per liter (ug/L)(ppb)
 USEPA Method 601/602 performed by Certified Environmental Services, Inc.
 -- = Constituent not detected above laboratory detection limits
 Analytical results for compounds not reported above were below laboratory detection limits

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CONTAINMENT STRUCTURE SITE #734048 PERIODIC REVIEW REPORT

Appendix E

Health and Safety at

Hazardous Waste
Operations Course
Certification

Centificate of Training This Certifies That

ROY FLANAGAN XXX-XX-0216

Has satisfactorily completed the requirements for

OSHA 8 HR HAZARDOUS WASTE OPERATIONS AND EMERGENCY RESPONSE REFRESHER

developed pursuant to

Regulations promulgated by the Occupational Safety and Health Administration

And is hereby awarded this certificate

by

R O & Environmental, Inc. Syracuse, New York

on this_	6 TH	day of	JANU	JARY	20	10
	XXX-XX-0216-2358J			75.43		
1	Gertificate Number		The state of the s	Authorized I	Ganature	,

CONTAINMENT STRUCTURE SITE #734048	DERIODIC REVIEW REPORT
CONTAINIVILIAL STRUCTORE SITE #/34040	I F LINIODIC INLAILA INTERNA

Appendix F
Form 1 – Leachate Collection
Sump Field Logs

OPERATION AND MAINTENANCE MANUAL CONTAINMENT STRUCTURE CONKLIN LIMITED SYRACUSE NEW YORK

	LCS 5	LCS 4	LCS 3	LCS 2	LCS 1			NO LCS			
	20.11	20.00	18.36		12/6			ELEVATION		TIME 0 700-	DATE 9-9-10
	20.11 15.73 4.38	20.00 16.61 3.39	13.53 4.83	16.82 3.49	13.82 3.84		(feet)	WATER		20-	9-10
		3.39		3.49	3.84			ELEVATION QUALITY READING			
	0 0	0 0	0 0	0 0	o e	12/ Hz	(include units)	OUALITY (1)		WEATHER	INSPECTOR
	0 20	20	20	20	20	H25 02	ılts)	READING		WEATHER SUMMY 60'S	1 × (8)
							(yes) (no)	TAKEN		\$000	INSPECTORIS A. Hangan
					_			COMMENTS	-		7
•										ı	1

(IVINIGITED INCOME LIGED)
COMMENTS:

San	nple Location <u>265</u>		*17	ฟอไล พ	V-
San	npled By R. Flangen	Date	9-0-	#EII (\C	in 2204
Wea	ther Sunny 60's	Sample	with	Bailer	Pump V
	,	·	4		Pullip V
Α.	WATER TABLE:				
	Well depth: (below top of casing) 14.4/ ft.		Well	elevatio	n: = -
	Depth to water table: (below top of casing) 13.82 ft.	سامية والأ	table	of casing elevation	g) <u>17.66</u> ft n: <u>3.84</u> ft
	Length of water column (LWC)		ft.		2
	Volume of water in well:		_		·
1.0	2" diameter wells = 0.163 4" diameter wells = 0.653 6" diameter wells = 1.469	x (LWC) X (LWC) X (LWC)	=		gallons X3 gallons gallons
В.	PHYSICAL APPEARANCE AT START:				94110112
	Color Odor Swas an oil film or layer apparent?	light	·	_ Turbidit	y low
C.	PREPARATION OF WELL FOR SAMPLING:				
	Amount of water removed before sampl Did well go dry?	ing		50	gallons.
D.					
υ.	PHYSICAL APPEARANCE DURING SAMPLING:				
	Was an oil film or layer apparent?	nr.		Turbidity	low
Ε.	CONDUCTIVITY 451 ms/em	<u> </u>			
F.	pH				
G.	TEMPERATURE 15.1°C	_		1.	
н.	WELL SAMPLING NOTES:	los			
•••	WELL SWILLING MOIES:				
		<u> </u>			
	·				. 19

San	ple Location $\angle CS$		٠	M=3.9 m.	- 11
Sam	pled By R. Flanson	Tate 0	7-0-10	₽. .	2
Wea	ther Sunny 60's	Samole:	-y-/0	Pasilon IIM	0700
			. WICH	parter	Pump V
A.	WATER TABLE:			*	
- -	Well depth: (below top of casing) 18.65 ft. Depth to water table.		We]]	elevation	2001
	(below top of casing) 16.82 ft.	Water	table	elevation	$\frac{20.07}{3.49}$ ft
	Length of water column (LWC)		ft.		•
	Volume of water in well:				• •1
	2" diameter wells = 0.163 4" diameter wells = 0.653 6" diameter wells = 1.469	x (LWC) X (LWC)	=		gallons 火岛 gallons gallons
В.	PHYSICAL APPEARANCE AT START:				
	Was an oil film or layer apparent?	on 4		_ Turbidity	low
C.	PREPARATION OF WELL FOR SAMPLING:			•	
	Amount of water removed before sample Did well go dry?	ing		100	gallons.
D.	PHYSICAL APPEARANCE DURING SAMPLING: Color Clear Odor A/a Was an oil film or layer apparent?	n c		Turbidity	low
E.		110			
	CONDUCTIVITY 4.61 ins/em	turb Name			- •
F.	pH <u>6.18</u>				
G.	TEMPERATURE 17.10c			-	
Н.	WELL SAMPLING NOTES:	manay.		,	
4					
		<u> </u>		,	
				,	
9 -					
	6 10 K				

	ple Location <u>265</u>			(4)	Well	No	3	
Sam	ther Sungan	Date	-	7-0-11	•	7:		
Wea	ther Sunny 60's	Samp	led	with	Bailer		Pump	~ ·
A.	WATER TABLE:				20		. •	
-	Well depth: (below top of casing) 14.40 ft.	•		Well (top	eleva	tion:	18.36	-
	Depth to water table: (below top of casing) 13.53 ft.	Wat		table	eleva	tion:	4.83	— ft — ft
	Length of water column (LWC)			ft.				
	Volume of water in well:						7	
	2" diameter wells = 0.163 4" diameter wells = 0.653 6" diameter wells = 1.469	Y /IW	c١.			ga	allons ^X allons allons	(3
В.	PHYSICAL APPEARANCE AT START:							
	Was an oil film or layer apparent?	igh T	10	,	_ Turbi	dity	low	(4)
C.	PREPARATION OF WELL FOR SAMPLING: Amount of water removed before sampl Did well go dry?	ing _				00	gallo	ns.
D.	PHYSICAL APPEARANCE DURING SAMPLING: Color //oudy Odor //o Was an oil film or layer apparent?	ny			Turbid	ity .	low	
Ε.	CONDUCTIVITY 427 ms/cm	_				**		
F.	pH							
G.	TEMPERATURE 18.3°C					:		
н.	WELL SAMPLING NOTES:	-					53	
				· · · · · · · · · · · · · · · · · · ·	 			
								
				111				
,								C424
•								
-	•							

Sam	ple Location <u>LCS</u>			_ Well No.	4
Sam	pled By R. Flangen	Date	9-9-11	_ No. No.	0700 -
Wea	ther Sunny bos		d with	Bailer	Pump V
Α.	WATER TABLE:				· ·
•	Well depth: (below top of casing) 17.40 ft.	•	Well (top	elevation of casino	20.00 ft
	Depth to water table: (below top of casing) ft.	Water	table	elevation	3.39 ft
	Length of water column (LWC)		ft.		
	Volume of water in well:				e 17
5	2" diameter wells = 0.163 4" diameter wells = 0.653 6" diameter wells = 1.469	Y (Luc)			gallons X3 gallons gallons
В.	PHYSICAL APPEARANCE AT START:				
	Color <u>LT. Gray</u> Odor <u>S</u> Was an oil film or layer apparent?	light	.	_ Turbidity	low
c.	PREPARATION OF WELL FOR SAMPLING:				•
	Amount of water removed before sampl	line			
	Did well go dry?			50	gallons.
D.	PHYSICAL APPEARANCE DURING SAMPLING:	 -			2
	Color LT. Gray Odor 1/2	one		Turbidity	louis
	was an off film or layer apparent? _	No			
Ε.	CONDUCTIVITY 4.22 ms/cm	_			
F.	pH <u>6.//</u>				
â.	TEMPERATURE 17.620C	~ ~		٠	
	WELL SAMPLING NOTES:				•
	·				26.2
-	•				

Sample Location <u>165</u>		Wall No	2
Jampied by A. Flankene	Date 9-9-10	lime	~~~
Weather Sunay 60's	Sampled with	Bailer	Pump V
A. WATER TABLE:			
Well depth: (below top of casing) 16.13 ft.	Well too	elevation:	20.1/ ft
Depth to water table: (below top of casing) 15.03 ft.	Madam Aska	elevation:	<u>4.38</u> ft
Length of water column (LWC)	ft.		ui.
Volume of water in well:			2 4
2" diameter wells = 0.163 4" diameter wells = 0.653 6" diameter wells = 1.469	x (LWC) = X (LWC) =	ga	llons X3
B. PHYSICAL APPEARANCE AT START:		9u	110115
ColorOdor	lone Na	_ Turbidity	low
C. PREPARATION OF WELL FOR SAMPLING: Amount of water removed before sampl Did well go dry?		,50	gallons.
D. PHYSICAL APPEARANCE DURING SAMPLING: Color Clar Odor A	on «	Turbidity	Iani
Was an oil film or layer apparent?	No		
E. CONDUCTIVITY 5.11 ms/on	<u>-</u>		
F. pH 6.52	_		
G. TEMPERATURE 17.800		7. 15.	
H. WELL SAMPLING NOTES:	*****	2	
	·		
·			294
4			

Appendix G

2010 Laboratory Analytical Results

- G-1 LCS Analytical Reports
- G-2 LDS Analytical Reports
- G-3 MW Analytical Reports



CHAIN OF CUCTODY RECORD

Certified Environmental Services, Inc. 1401 Erie Blvd. East

BATCH NO:

ō

Turn-Around Time:

	1401 -	1401 Frie Hive Fact	Tact		12121		
	Svracus	Svracuse. NY 13210	3210		Turn-Around Time:	P/	PARAMETERS FOR ANALYSIS
Phone: 315-478-2374		-478-21	07				
ME:	Jun mil				PROJECT NUMBER/NAME:	/.	
ADDRESS:						EHS	
PHONE: 4/6/6	000					NIAT	
FAX: CONTACT NAME:		6			PURCHASE ORDER NO:	.NOC	
Sampler's Name:	J. Tana	The same	1		Signature: Not How	ZO9	- W
LAB USE ONLY		TYPE	MATRIX	×	0800-1300	INME	
	Collected	-dm	snoən	Jer	4.ds. wells	N JATO	
CES Sample Numbers	Date Time	oට බඩ		11O	CLIENT ID/SAMPLE LOCATION	DT S	
598389	9.9.10 0800	7			1 tt/	7	
598390	9-9-10 0800	7			Well Fle	1	
598391	9-410 9800	7			11711 # 3	7	
598392	9-4100800	7			W211 # 4	1	
598393	9.9.10 0500	7			W/2/1 #55	7	
SPECIAL HEMARKS.					The state of the s	TOTAL	L NUMBER OF CONTAINERS
SAMPLES R	SAMPLES RELINQUISHED BY:) BY:			SAMPLES RECEIVED BY	Samples	Samples Received in Good Condition:
SIGNATURE	Par	DATE			SIGNATURE: 2 000 TIME:	☐ Yes ☐ No Temperature So	No °C
NAME: X/ My Oh	1	DATE	DATE: 9-14-10	+	NAME: R. DATE: WHILE		

White - CES's Copy . Canary - Return to Client With Report . Pink - Clients Initial Copy DATE: 4-14-16
TIME: 14-155 DATE: 9-14-10 TIME: 14:55

NAME: R

NAME: M. SIGNATURE: 2

Certified Environmental Services, Inc.

1401 Erie Blvd. East Syracuse, NY 13210 Phone 315-478-2374 Fax 315-478-2107

REPORT OF ANALYSES

Pyramid Company of Onondaga 9090 Carousel Center Syracuse, NY 13290-Attn: Mr. Robert Schoeneck

PROJECT NAME: LCS Wells

DATE: 09/21/2010

SAMPLE NUMBER- 598389 SAMPLE ID- Well #1
DATE SAMPLED- 09/09/10
DATE RECEIVED- 09/14/10 SAMPLER- Roy Flanagan
TIME RECEIVED- 1455 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW TIME SAMPLED- 0800 RECEIVED BY- RS TYPE SAMPLE- Grab

Page 1 of 2

ANALYSIS	METHOD	ANALYSIS DATE	TIME BY	RESULT UNITS
Sample Receipt Temperature EPA 624 Volatiles Dichlorodifluoromethane Chloromethane Vinyl Chloride Bromomethane Chloroethane Trichlorofluoromethane 1,1-Dichloroethene Methylene Chloride trans-1,2-Dichloroethene 1,1-Dichloroethane 2-Butanone (MEK) Chloroform 1,1,1-Trichloroethane Carbon Tetrachloride 1,2-Dichloroethane Benzene Trichloroethene 1,2-Dichloropropane Bromodichloromethane	EPA 624 EPA 624	09/14/10 09/20/10	RS RRB RRB RRB RRB RRB RRB RRB RRB RRB R	5.0 Degrees C < 5.0 ug/L

Page 2 of 2

CONTINUATION OF DATA FOR SAMPLE NUMBER 598389

ANALYSIS	METHOD	ANALYSIS DATE T	'IME BY	RESULT UNITS
2-Chloroethylvinyl Ether 4-Methyl-2-Pentanone (MIBK) cis-1,3-Dichloropropene Toluene trans-1,3-Dichloropropene 1,1,2-Trichloroethane Tetrachloroethene Dibromochloromethane Chlorobenzene Ethylbenzene m & p-Xylene o-Xylene Bromoform 1,1,2,2-Tetrachloroethane 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene	EPA 624 EPA 624	09/20/10 09/20/10 09/20/10 09/20/10 09/20/10 09/20/10 09/20/10 09/20/10 09/20/10 09/20/10 09/20/10 09/20/10 09/20/10 09/20/10 09/20/10 09/20/10 09/20/10	RRB RRB RRB RRB RRB RRB RRB RRB RRB RRB	<pre>< 5.0 ug/L < 5.0 ug/L</pre>

NYSDOH LAB ID NO. 11246

APPROVED BY:

Patrick A. Leone, Jr. Laboratory Director

Certified Environmental Services, Inc.

1401 Erie Blvd. East Syracuse, NY 13210 Phone 315-478-2374 Fax 315-478-2107

REPORT OF ANALYSES

Pyramid Company of Onondaga 9090 Carousel Center Syracuse, NY 13290-Attn: Mr. Robert Schoeneck

PROJECT NAME: LCS Wells DATE: 09/21/2010

SAMPLE NUMBER- 598390 SAMPLE ID- Well #2
DATE SAMPLED- 09/09/10
DATE RECEIVED- 09/14/10 SAMPLER- Roy Flanagan
TIME RECEIVED- 1455 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW TIME SAMPLED- 0800 RECEIVED BY- RS TYPE SAMPLE- Grab

Page 1 of 2

ANALYSIS	METHOD	ANALYSIS DATE	TIME BY	RESULT UNITS
Sample Receipt Temperature EPA 624 Volatiles Dichlorodifluoromethane Chloromethane Vinyl Chloride Bromomethane Chloroethane Trichlorofluoromethane 1,1-Dichloroethene Methylene Chloride trans-1,2-Dichloroethene 1,1-Dichloroethane 2-Butanone (MEK) Chloroform 1,1,1-Trichloroethane Carbon Tetrachloride 1,2-Dichloroethane Benzene Trichloroethene 1,2-Dichloropropane Bromodichloromethane	EPA 624 EPA 624	09/14/10 09/20/10	RS RRB RRB RRB RRB RRB RRB RRB RRB RRB R	5.0 Degrees C < 5.0 ug/L

Page 2 of 2

CONTINUATION OF DATA FOR SAMPLE NUMBER 598390

ANALYSIS	METHOD	ANALYSIS DATE	TIME BY	RESULT UNITS
2-Chloroethylvinyl Ether 4-Methyl-2-Pentanone (MIBK) cis-1,3-Dichloropropene Toluene trans-1,3-Dichloropropene 1,1,2-Trichloroethane Tetrachloroethene Dibromochloromethane Chlorobenzene Ethylbenzene m & p-Xylene o-Xylene Bromoform 1,1,2,2-Tetrachloroethane 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene	EPA 624 EPA 624	09/20/10 09/20/10 09/20/10 09/20/10 09/20/10 09/20/10 09/20/10 09/20/10 09/20/10 09/20/10 09/20/10 09/20/10 09/20/10 09/20/10 09/20/10	RRB RRB RRB RRB RRB RRB RRB RRB RRB RRB	<pre>< 5.0 ug/L < 5.0 ug/L</pre>

NYSDOH LAB ID NO. 11246

APPROVED BY:

Patrick A. Leone, Jr. Laboratory Director

1401 Erie Blvd. East **Environmental** Syracuse, NY 13210 Phone 315-478-2374 Services, Inc. Fax 315-478-2107

PROJECT NAME: LCS Wells DATE: 09/21/2010

REPORT OF ANALYSES

Pyramid Company of Onondaga 9090 Carousel Center Syracuse, NY 13290-Attn: Mr. Robert Schoeneck

SAMPLE NUMBER- 598391 SAMPLE ID- Well #3
DATE SAMPLED- 09/09/10
DATE RECEIVED- 09/14/10 SAMPLER- Roy Flanagan
TIME RECEIVED- 1455 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW TIME SAMPLED- 0800 RECEIVED BY- RS TYPE SAMPLE- Grab

Page 1 of 2

ANALYSIS	METHOD	ANALYSIS DATE	TIME BY	RESULT UNITS
Sample Receipt Temperature EPA 624 Volatiles Dichlorodifluoromethane Chloromethane Vinyl Chloride Bromomethane Chloroethane Trichlorofluoromethane 1,1-Dichloroethene Methylene Chloride trans-1,2-Dichloroethene 1,1-Dichloroethane 2-Butanone (MEK) Chloroform 1,1,1-Trichloroethane Carbon Tetrachloride 1,2-Dichloroethane Benzene Trichloroethene 1,2-Dichloropropane Bromodichloromethane	EPA 624 EPA 624	09/14/10 09/17/10 09/17/10 09/17/10 09/17/10 09/17/10 09/17/10 09/17/10 09/17/10 09/17/10 09/17/10 09/17/10 09/17/10 09/17/10 09/17/10 09/17/10 09/17/10 09/17/10 09/17/10 09/17/10	RS RRB RRB RRB RRB RRB RRB RRB RRB RRB R	5.0 Degrees C < 5.0 ug/L < 5.0 ug/L

Page 2 of 2

CONTINUATION OF DATA FOR SAMPLE NUMBER 598391

2-Chloroethylvinyl Ether EPA 624 09/17/10 RRB < 5.0 ug/I 4-Methyl-2-Pentanone (MIBK) EPA 624 09/17/10 RRB < 5.0 ug/I cis-1,3-Dichloropropene EPA 624 09/17/10 RRB < 5.0 ug/I Toluene EPA 624 09/17/10 RRB < 5.0 ug/I trans-1,3-Dichloropropene EPA 624 09/17/10 RRB < 5.0 ug/I trans-1,1,2-Trichloroethane EPA 624 09/17/10 RRB < 5.0 ug/I RRB < 5.0 ug/I trans-1,2-Trichloroethane EPA 624 09/17/10 RRB < 5.0 ug/I trans-1	ITS
1,1,2-Trichloroethane	/LLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLL

NYSDOH LAB ID NO. 11246

APPROVED BY:

Laboratory Director

Certified Environmental Services, Inc.

1401 Erie Blvd. East Syracuse, NY 13210 Phone 315-478-2374 Fax 315-478-2107

REPORT OF ANALYSES

Pyramid Company of Onondaga 9090 Carousel Center Syracuse, NY 13290-Attn: Mr. Robert Schoeneck

PROJECT NAME: LCS Wells DATE: 09/21/2010

SAMPLE NUMBER- 598392 SAMPLE ID- Well #4
DATE SAMPLED- 09/09/10
DATE RECEIVED- 09/14/10 SAMPLER- Roy Flanagan
TIME RECEIVED- 1455 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW TIME SAMPLED- 0800 RECEIVED BY- RS TYPE SAMPLE- Grab

Page 1 of 2

ANALYSIS METHOD	ANALYSIS DATE	TIME BY	RESULT UNITS	
Sample Receipt Temperature EPA 624 Volatiles Dichlorodifluoromethane Chloromethane EPA 624 Vinyl Chloride Bromomethane EPA 624 Chloroethane EPA 624 Chloroethane EPA 624 Trichlorofluoromethane EPA 624 1,1-Dichloroethene EPA 624 trans-1,2-Dichloroethene EPA 624 1,1-Dichloroethane EPA 624 1,1-Dichloroethane EPA 624 1,1-Dichloroethane EPA 624 1,1-Dichloroethane EPA 624 1,1-Trichloroethane EPA 624 Chloroform EPA 624 1,1,1-Trichloroethane EPA 624 Carbon Tetrachloride EPA 624 1,2-Dichloroethane EPA 624 Trichloroethene EPA 624 Benzene EPA 624 Bromodichloromethane EPA 624 Bromodichloromethane EPA 624	09/14/10 09/17/10 09/17/10 09/17/10 09/17/10 09/17/10 09/17/10 09/17/10 09/17/10 09/17/10 09/17/10 09/17/10 09/17/10 09/17/10 09/17/10 09/17/10 09/17/10 09/17/10	RRB RRB RRB RRB RRB RRB RRB RRB RRB RRB	5.0 Degrees C < 5.0 ug/L < 5.0 ug/L	

Page 2 of 2

CONTINUATION OF DATA FOR SAMPLE NUMBER 598392

ANALYSIS	METHOD	ANALYSIS DATE TI	ME BY	RESULT UNITS
2-Chloroethylvinyl Ether 4-Methyl-2-Pentanone (MIBK) cis-1,3-Dichloropropene Toluene trans-1,3-Dichloropropene 1,1,2-Trichloroethane Tetrachloroethene Dibromochloromethane Chlorobenzene Ethylbenzene m & p-Xylene o-Xylene Bromoform 1,1,2,2-Tetrachloroethane 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene	EPA 624 EPA 624	09/17/10 09/17/10 09/17/10 09/17/10 09/17/10 09/17/10 09/17/10 09/17/10 09/17/10 09/17/10 09/17/10 09/17/10 09/17/10 09/17/10 09/17/10 09/17/10	RRB RRBB RRBB RRRB RRBB RRBB RRRB RRRB	<pre>< 5.0 ug/L < 5.0 ug/L</pre>

NYSDOH LAB ID NO. 11246

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1401 Erie Blvd. East Syracuse, NY 13210 Phone 315-478-2374 Fax 315-478-2107

REPORT OF ANALYSES

Pyramid Company of Onondaga 9090 Carousel Center Syracuse, NY 13290-Attn: Mr. Robert Schoeneck

PROJECT NAME: LCS Wells DATE: 09/21/2010

SAMPLE NUMBER- 598393 SAMPLE ID- Well #5
DATE SAMPLED- 09/09/10
DATE RECEIVED- 09/14/10 SAMPLER- Roy Flanagan
TIME RECEIVED- 1455 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW TIME SAMPLED- 0800 RECEIVED BY- RS TYPE SAMPLE- Grab

Page 1 of 2

ANALYSIS	METHOD	ANALYSIS DATE	TIME BY	RESULT UNITS
Sample Receipt Temperature EPA 624 Volatiles Dichlorodifluoromethane Chloromethane Vinyl Chloride Bromomethane Chloroethane Trichlorofluoromethane 1,1-Dichloroethene Methylene Chloride trans-1,2-Dichloroethene 1,1-Dichloroethane 2-Butanone (MEK) Chloroform 1,1,1-Trichloroethane Carbon Tetrachloride 1,2-Dichloroethane Benzene Trichloroethene 1,2-Dichloropropane Bromodichloromethane	EPA 624 EPA 624	09/14/10 09/20/10	RS RRB RRB RRB RRB RRB RRB RRB RRB RRB R	5.0 Degrees C < 5.0 ug/L

Page 2 of 2

CONTINUATION OF DATA FOR SAMPLE NUMBER 598393

ANALYSIS	METHOD	ANALYSIS DATE	TIME BY	RESULT UNITS
2-Chloroethylvinyl Ether 4-Methyl-2-Pentanone (MIBK) cis-1,3-Dichloropropene Toluene trans-1,3-Dichloropropene 1,1,2-Trichloroethane Tetrachloroethene Dibromochloromethane Chlorobenzene Ethylbenzene m & p-Xylene o-Xylene Bromoform 1,1,2,2-Tetrachloroethane 1,3-Dichlorobenzene 1,4-Dichlorobenzene	EPA 624 EPA 624	09/20/10 09/20/10 09/20/10 09/20/10 09/20/10 09/20/10 09/20/10 09/20/10 09/20/10 09/20/10 09/20/10 09/20/10 09/20/10 09/20/10	RRB RRB RRB RRB RRB RRB RRB RRB RRB RRB	<pre>< 5.0 ug/L < 5.0 ug/L</pre>
1,2-Dichlorobenzene	EPA 624	09/20/10	RRB	< 5.0 ug/L

NYSDOH LAB ID NO. 11246

APPROVED BY

Patrick A. Leone, Jr. Laboratory Director

CHAIN OF CUSTODY RECORD

Certified Environmental Services, Inc. 1401 Erie Blvd. East Syracuse, NY 13210

TOTAL NUMBER OF CONTAINERS PARAMETERS FOR ANALYSIS Samples Received in Good Condition:

Tyes
No ŏ Page TOTAL NUMBER OF CONTAINERS CLIENT ID/SAMPLE LOCATION SAMPLES RECEIVED BY: PROJECT NUMBER/NAME PURCHASE ORDER NO: BATCH NO: LAK DAIRE 0821-0080 N 7 Signature: 7 Other MATRIX lios snoenby Fax: 315-478-2107 TYPE Grab 116 A 14 SAMPLES RELINQUISHED BY: Comp. Time 0800 0800 0000 9-13-10 0800 OKao Collected Mr. M. 01-51-6 9-13-10 9-13-16 Date Phone: 315-478-2374 **CES Sample Numbers** SPECIAL REMARKS: Sampler's Name: A LAB USE ONLY CONTACT NAME: CLIENT NAME: ADDRESS: PHONE 5985107 FAX:

White - CES's Copy • Canary - Return to Client With Report • Pink - Clients Initial Copy

NAME: Ban SIGNATURE:

DATE: 9-14-10 TIME: 14155

NAME: NAME: SIGNATURE:

DATE: TIME:

NAME: A SIGNATURE:

NAME: 1

S

Temperature 5

DATE: 9-14-10 TIME: 12:10

TIME: 1455 DATE: 9-14

1401 Erie Blvd. East Syracuse, NY 13210 Phone 315-478-2374 Fax 315-478-2107

REPORT OF ANALYSES

Pyramid Company of Onondaga 9090 Carousel Center Syracuse, NY 13290-Attn: Mr. Robert Schoeneck

PROJECT NAME: Leak Detect DATE: 09/28/2010

SAMPLE NUMBER- 598399 SAMPLE ID- Well #1
DATE SAMPLED- 09/13/10
DATE RECEIVED- 09/14/10 SAMPLER- Roy Flanagan
TIME RECEIVED- 1455 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW TIME SAMPLED- 0800 RECEIVED BY- RS TYPE SAMPLE- Grab

Page 1 of 2

ANALYSIS	METHOD	ANALYSIS DATE	TIME BY	RESULT UNITS
Sample Receipt Temperature EPA 624 Volatiles Dichlorodifluoromethane Chloromethane Vinyl Chloride Bromomethane Chloroethane Trichlorofluoromethane 1,1-Dichloroethene Methylene Chloride trans-1,2-Dichloroethene 1,1-Dichloroethane 2-Butanone (MEK) Chloroform 1,1,1-Trichloroethane Carbon Tetrachloride 1,2-Dichloroethane Benzene Trichloroethene 1,2-Dichloropropane Bromodichloromethane	EPA 624 EPA 624	09/14/10 09/23/10	RS RRB RRB RRB RRB RRB RRB RRB RRB RRB R	5.0 Degrees C < 5.0 ug/L

Page 2 of 2

CONTINUATION OF DATA FOR SAMPLE NUMBER 598399

ANALYSIS	METHOD	ANALYSIS DATE	TIME BY	RESULT UNITS
2-Chloroethylvinyl Ether 4-Methyl-2-Pentanone (MIBK cis-1,3-Dichloropropene Toluene trans-1,3-Dichloropropene 1,1,2-Trichloroethane Tetrachloroethene Dibromochloromethane Chlorobenzene Ethylbenzene m & p-Xylene o-Xylene Bromoform 1,1,2,2-Tetrachloroethane 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene	EPA 624 EPA 624	09/23/10 09/23/10 09/23/10 09/23/10 09/23/10 09/23/10 09/23/10 09/23/10 09/23/10 09/23/10 09/23/10 09/23/10 09/23/10 09/23/10 09/23/10 09/23/10	RRB RRB RRB RRB RRB RRB RRB RRB RRB RRB	<pre>< 5.0 ug/L < 5.0 ug/L</pre>

NYSDOH LAB ID NO. 11246

APPROVED BY

Patrick A. Leone, Jr. Laboratory Director

REPORT OF ANALYSES

Pyramid Company of Onondaga 9090 Carousel Center Syracuse, NY 13290-Attn: Mr. Robert Schoeneck

PROJECT NAME: Leak Detect

DATE: 09/28/2010

SAMPLE NUMBER- 598400 SAMPLE ID- Well #2
DATE SAMPLED- 09/13/10
DATE RECEIVED- 09/14/10 SAMPLER- Roy Flanagan
TIME RECEIVED- 1455 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW TIME SAMPLED- 0800 RECEIVED BY- RS TYPE SAMPLE- Grab

ANALYSIS	METHOD	ANALYSIS DATE	TIME BY	RESULT UNITS
Sample Receipt Temperature EPA 624 Volatiles Dichlorodifluoromethane Chloromethane Vinyl Chloride Bromomethane Chloroethane Trichlorofluoromethane 1,1-Dichloroethene Methylene Chloride trans-1,2-Dichloroethene 1,1-Dichloroethane 2-Butanone (MEK) Chloroform 1,1,1-Trichloroethane Carbon Tetrachloride 1,2-Dichloroethane Benzene Trichloroethene 1,2-Dichloropropane Bromodichloromethane	EPA 624 EPA 624	09/14/10 09/23/10	RS RRB RRB RRB RRB RRB RRB RRB RRB RRB R	5.0 Degrees C < 5.0 ug/L

CONTINUATION OF DATA FOR SAMPLE NUMBER 598400

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
2-Chloroethylvinyl Ether 4-Methyl-2-Pentanone (MIBK) cis-1,3-Dichloropropene Toluene trans-1,3-Dichloropropene 1,1,2-Trichloroethane Tetrachloroethene Dibromochloromethane Chlorobenzene Ethylbenzene m & p-Xylene o-Xylene Bromoform 1,1,2,2-Tetrachloroethane 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene	EPA 624 EPA 624	09/23/10 09/23/10 09/23/10 09/23/10 09/23/10 09/23/10 09/23/10 09/23/10 09/23/10 09/23/10 09/23/10 09/23/10 09/23/10 09/23/10 09/23/10 09/23/10 09/23/10		RRB RRB RRB RRB RRB RRB RRB RRB RRB RRB	<pre>< 5.0 ug/L < 5.0 ug/L</pre>

NYSDOH LAB ID NO. 11246

APPROVED BY:

REPORT OF ANALYSES

Pyramid Company of Onondaga 9090 Carousel Center Syracuse, NY 13290-Attn: Mr. Robert Schoeneck

PROJECT NAME: Leak Detect DATE: 09/28/2010

SAMPLE NUMBER- 598401 SAMPLE ID- Well #3
DATE SAMPLED- 09/13/10
DATE RECEIVED- 09/14/10 SAMPLER- Roy Flanagan
TIME RECEIVED- 1455 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW TIME SAMPLED- 0800 RECEIVED BY- RS TYPE SAMPLE- Grab

ANALYSIS	METHOD	ANALYSIS DATE	TIME BY	RESULT UNITS
Sample Receipt Temperature EPA 624 Volatiles Dichlorodifluoromethane Chloromethane Vinyl Chloride Bromomethane Chloroethane Trichlorofluoromethane 1,1-Dichloroethene Methylene Chloride trans-1,2-Dichloroethene 1,1-Dichloroethane 2-Butanone (MEK) Chloroform 1,1,1-Trichloroethane Carbon Tetrachloride 1,2-Dichloroethane Benzene Trichloroethene 1,2-Dichloropropane Bromodichloromethane	EPA 624 EPA 624	09/14/10 09/23/10	RS RRB RRB RRB RRB RRB RRB RRB RRB RRB R	5.0 Degrees C < 5.0 ug/L

CONTINUATION OF DATA FOR SAMPLE NUMBER 598401

ANALYSIS	METHOD	ANALYSIS DATE	TIME	ву	RESULT UNITS
2-Chloroethylvinyl Ether 4-Methyl-2-Pentanone (MIBK) cis-1,3-Dichloropropene Toluene trans-1,3-Dichloropropene 1,1,2-Trichloroethane Tetrachloroethene Dibromochloromethane Chlorobenzene Ethylbenzene m & p-Xylene o-Xylene Bromoform 1,1,2,2-Tetrachloroethane 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene	EPA 624 EPA 624	09/23/10 09/23/10 09/23/10 09/23/10 09/23/10 09/23/10 09/23/10 09/23/10 09/23/10 09/23/10 09/23/10 09/23/10 09/23/10 09/23/10 09/23/10 09/23/10 09/23/10		RRB RRB RRB RRB RRB RRB RRB RRB RRB RRB	<pre>< 5.0 ug/L < 5.0 ug/L</pre>

NYSDOH LAB ID NO. 11246

APPROVED BY:

REPORT OF ANALYSES

Pyramid Company of Onondaga 9090 Carousel Center Syracuse, NY 13290-Attn: Mr. Robert Schoeneck

SAMPLE NUMBER- 598402 SAMPLE ID- Well #4
DATE SAMPLED- 09/13/10
DATE RECEIVED- 09/14/10 SAMPLER- Roy Flanagan
TIME RECEIVED- 1455 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW TIME SAMPLED- 0800 RECEIVED BY- RS TYPE SAMPLE- Grab

PROJECT NAME: Leak Detect DATE: 09/28/2010

ANALYSIS	METHOD	ANALYSIS DATE	TIME BY	RESULT UNITS
Sample Receipt Temperature EPA 624 Volatiles Dichlorodifluoromethane Chloromethane Vinyl Chloride Bromomethane Chloroethane Trichlorofluoromethane 1,1-Dichloroethene Methylene Chloride trans-1,2-Dichloroethene 1,1-Dichloroethane 2-Butanone (MEK) Chloroform 1,1,1-Trichloroethane Carbon Tetrachloride 1,2-Dichloroethane Benzene Trichloroethene 1,2-Dichloropropane Bromodichloromethane	EPA 624 EPA 624	09/14/10 09/23/10	RRB RRB RRB RRB	5.0 Degrees C < 5.0 ug/L < 5.0 ug/L 7.2 ug/L < 5.0 ug/L

CONTINUATION OF DATA FOR SAMPLE NUMBER 598402

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
2-Chloroethylvinyl Ether 4-Methyl-2-Pentanone (MIBK) cis-1,3-Dichloropropene Toluene trans-1,3-Dichloropropene 1,1,2-Trichloroethane Tetrachloroethene Dibromochloromethane Chlorobenzene Ethylbenzene m & p-Xylene o-Xylene Bromoform 1,1,2,2-Tetrachloroethane 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene	EPA 624 EPA 624	09/23/10 09/23/10 09/23/10 09/23/10 09/23/10 09/23/10 09/23/10 09/23/10 09/23/10 09/23/10 09/23/10 09/23/10 09/23/10 09/23/10 09/23/10 09/23/10 09/23/10		RRB RRB RRB RRB RRB RRB RRB RRB RRB RRB	<pre>< 5.0 ug/L < 5.0 ug/L</pre>

NYSDOH LAB ID NO. 11246

APPROVED BY:

REPORT OF ANALYSES

Pyramid Company of Onondaga 9090 Carousel Center Syracuse, NY 13290-Attn: Mr. Robert Schoeneck

SAMPLE NUMBER- 598403 SAMPLE ID- Well #5
DATE SAMPLED- 09/13/10
DATE RECEIVED- 09/14/10 SAMPLER- Roy Flanagan
TIME RECEIVED- 1455 DELIVERED BY- Ben Murphy

PROJECT NAME: Leak Detect DATE: 09/28/2010

SAMPLE MATRIX- WW TIME SAMPLED- 0800 RECEIVED BY- RS TYPE SAMPLE- Grab

ANALYSIS	METHOD	ANALYSIS DATE	TIME BY	RESULT UNITS
Sample Receipt Temperature EPA 624 Volatiles Dichlorodifluoromethane Chloromethane Vinyl Chloride Bromomethane Chloroethane Trichlorofluoromethane 1,1-Dichloroethene Methylene Chloride trans-1,2-Dichloroethene 1,1-Dichloroethane 2-Butanone (MEK) Chloroform 1,1,1-Trichloroethane Carbon Tetrachloride 1,2-Dichloroethane Benzene Trichloroethene 1,2-Dichloropropane Bromodichloromethane	EPA 624 EPA 624	09/14/10 09/23/10	RS RRB RRB RRB RRB RRB RRB RRB RRB RRB R	5.0 Degrees C < 5.0 ug/L

CONTINUATION OF DATA FOR SAMPLE NUMBER 598403

ANALYSIS	METHOD	ANALYSIS DATE	TIME BY	RESULT UNITS
2-Chloroethylvinyl Ether 4-Methyl-2-Pentanone (MIBK) cis-1,3-Dichloropropene Toluene trans-1,3-Dichloropropene 1,1,2-Trichloroethane Tetrachloroethene Dibromochloromethane Chlorobenzene Ethylbenzene m & p-Xylene o-Xylene Bromoform 1,1,2,2-Tetrachloroethane 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene	EPA 624 EPA 624	09/23/10 09/23/10 09/23/10 09/23/10 09/23/10 09/23/10 09/23/10 09/23/10 09/23/10 09/23/10 09/23/10 09/23/10 09/23/10 09/23/10 09/23/10 09/23/10	RRB RRB RRB RRB RRB RRB RRB RRB RRB RRB	<pre>< 5.0 ug/L < 5.0 ug/L</pre>

NYSDOH LAB ID NO. 11246

APPROVED BY

Certified Environmental Services, Inc. BATCH NO: BA328

A GOOD	L +0+ +	2	1	}	BAICHIND: 157326		rageor	
	Syracus	Syracuse NY 13210	East		Turn-Around Time:		PARAMETERS FOR ANALYSIS	7 3 53
Phone: 315-478-2374		Fax: 315-478-2107	07		O Standard O 1 Week O 72 Hours O 48 Hours			
ME	Purmid				PROJECT NUMBER/NAME:	St		
ADDRESS:							1	
L						VIV	7/-	
PHONE: 6/2 C	1.000					TV		
FAX: CONTACT NAME:					PURCHASE ORDER NO:	CO		
Sampler's Name:	Flaura	1 MM		4	Signature: Not Many	ER OF	200	
)					81	7/	
LAB USE ONLY		TYPE		XIE	07000 13600	MUN		
	Collected	-du	snoər		Leachala Monioring Wells	IJATO	109	
CES Sample Numbers	Date Time			110	CLIENT ID/SAMPLE LOCATION	ΣΤ	7	
598394	9.10 01a	7			(Nx 1/ #1	2		
596395	9-10 (0 0300	7			Well 172	2	7	
596396	9-1016 0700	,			Well #3	2	7	
S98391	9-10-10 0100	7		-0.	1 / 11 m	2)	7	
	9-1910 0200	7	_	- Y	Well As	N	7	-
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					1			
SPECIAL REMARKS:							TOTAL NUMBER OF CONTAINERS	(0)
				-				And the second second
SAMPLES F	SAMPLES RELINQUISHED BY:	ED BY:			SAMPLES RECEIVED BY:	Š	Samples Received in Good Condition:	

Samples Received in Good Condition:	Temperature S.º °C		/dc
SAMPLES RECEIVED BY:	SIGNATURE: S. M. Ph. Carrier Constitution of Temperature.	NAME: CONTROL OF THE PASSES SIGNATURE: PASSES	Copy • Canary - Return to Client With Report • Pink - Clients Initial Copy
SAMPLES RELINQUISHED BY:	NAME: DATE: SIGNATURE: TIME:	SIGNATURE: R. J. J. SIGNATURE: 14:55	White - CES's Co



Certified Environmental Services, Inc.

RECEIVED

SEP 3 0 2010

Syracuse, NY 13210 Phone 315-478-2374 Fax 315-478-2107

1401 Erie Blvd. East

Per__

REPORT OF ANALYSES

Pyramid Company of Onondaga 9090 Carousel Center Syracuse, NY 13290-Attn: Mr. Robert Schoeneck

PROJECT NAME: Leachate Monitoring Wells DATE: 09/23/2010

SAMPLE MATRIX- WW TIME SAMPLED- 0700 RECEIVED BY- RS TYPE SAMPLE- Grab

SAMPLE NUMBER- 598394 SAMPLE ID- Well #1
DATE SAMPLED- 09/10/10
DATE RECEIVED- 09/14/10 SAMPLER- Roy Flanagan
TIME RECEIVED- 1455 DELIVERED BY- Ben Murphy

	ANALYSIS	METHOD	ANALYSIS DATE	TIME BY	RESULT	UNITS
)	Sample Receipt Temperature EPA 624 Volatiles Dichlorodifluoromethane Chloromethane Vinyl Chloride Bromomethane Chloroethane Trichlorofluoromethane 1,1-Dichloroethene Methylene Chloride trans-1,2-Dichloroethene 1,1-Dichloroethane 2-Butanone (MEK) Chloroform 1,1-Trichloroethane Carbon Tetrachloride 1,2-Dichloroethane Benzene Trichloroethene 1,2-Dichloropropane Bromodichloromethane	EPA 624 EPA 624	09/14/10 09/22/10	RS RRB RRB RRB RRB RRB RRB RRB RRB RRB R	00000000000000000000000000000000000000	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L

CONTINUATION OF DATA FOR SAMPLE NUMBER 598394

ANALYSIS	METHOD	ANALYSIS DATE TI	ME BY	RESULT UNITS
2-Chloroethylvinyl Ether 4-Methyl-2-Pentanone (MIBK) cis-1,3-Dichloropropene Toluene trans-1,3-Dichloropropene 1,1,2-Trichloroethane Tetrachloroethene Dibromochloromethane Chlorobenzene Ethylbenzene m & p-Xylene o-Xylene Bromoform 1,1,2,2-Tetrachloroethane 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene	EPA 624 EPA 624	09/22/10 09/22/10 09/22/10 09/22/10 09/22/10 09/22/10 09/22/10 09/22/10 09/22/10 09/22/10 09/22/10 09/22/10 09/22/10 09/22/10 09/22/10 09/22/10 09/22/10 09/22/10	RRB RRB RRB RRB RRB RRB RRB RRB RRB RRB	<pre>< 5.0 ug/L < 5.0 ug/L</pre>

NYSDOH LAB ID NO. 11246

APPROVED BY:



REPORT OF ANALYSES

Pyramid Company of Onondaga 9090 Carousel Center Syracuse, NY 13290-Attn: Mr. Robert Schoeneck

PROJECT NAME: Leachate Monitoring Wells DATE: 09/23/2010

SAMPLE MATRIX- WW TIME SAMPLED- 0700 RECEIVED BY- RS TYPE SAMPLE- Grab

SAMPLE NUMBER- 598395 SAMPLE ID- Well #2
DATE SAMPLED- 09/10/10
DATE RECEIVED- 09/14/10 SAMPLER- Roy Flanagan
TIME RECEIVED- 1455 DELIVERED BY- Ben Murphy

ANALYSIS	METHOD	ANALYSIS DATE	TIME BY	RESULT UNITS
Sample Receipt Temperature EPA 624 Volatiles Dichlorodifluoromethane Chloromethane Vinyl Chloride Bromomethane Chloroethane Trichlorofluoromethane 1,1-Dichloroethene Methylene Chloride trans-1,2-Dichloroethene 1,1-Dichloroethane 2-Butanone (MEK) Chloroform 1,1,1-Trichloroethane Carbon Tetrachloride 1,2-Dichloroethane Benzene Trichloroethene 1,2-Dichloropropane Bromodichloromethane	EPA 624 EPA 624	09/14/10 09/22/10	RS RRB RRB RRB RRB RRB RRB RRB RRB RRB R	5.0 Degrees C < 5.0 ug/L

CONTINUATION OF DATA FOR SAMPLE NUMBER 598395

ANALYSIS	METHOD	ANALYSIS DATE TI	IME BY	RESULT UNITS
2-Chloroethylvinyl Ether 4-Methyl-2-Pentanone (MIBK) cis-1,3-Dichloropropene Toluene trans-1,3-Dichloropropene 1,1,2-Trichloroethane Tetrachloroethene Dibromochloromethane Chlorobenzene Ethylbenzene m & p-Xylene o-Xylene Bromoform 1,1,2,2-Tetrachloroethane 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene	EPA 624 EPA 624	09/22/10 09/22/10 09/22/10 09/22/10 09/22/10 09/22/10 09/22/10 09/22/10 09/22/10 09/22/10 09/22/10 09/22/10 09/22/10 09/22/10 09/22/10 09/22/10 09/22/10 09/22/10	RRB RRB RRB RRB RRB RRB RRB RRB RRB RRB	<pre>< 5.0 ug/L < 5.0 ug/L</pre>

NYSDOH LAB ID NO. 11246

APPROVED BY



REPORT OF ANALYSES

Pyramid Company of Onondaga 9090 Carousel Center Syracuse, NY 13290-Attn: Mr. Robert Schoeneck

PROJECT NAME: Leachate Monitoring Wells DATE: 09/23/2010

SAMPLE NUMBER- 598396 SAMPLE ID- Well #3
DATE SAMPLED- 09/10/10
DATE RECEIVED- 09/14/10 SAMPLER- Roy Flanagan
TIME RECEIVED- 1455 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW TIME SAMPLED- 0700 RECEIVED BY- RS TYPE SAMPLE- Grab

ANALYSIS	METHOD	ANALYSIS DATE	TIME BY	RESULT UNITS
Sample Receipt Temperature EPA 624 Volatiles Dichlorodifluoromethane Chloromethane Vinyl Chloride Bromomethane Trichlorofluoromethane 1,1-Dichloroethene Methylene Chloride trans-1,2-Dichloroethene 1,1-Dichloroethane 2-Butanone (MEK) Chloroform 1,1,1-Trichloroethane Carbon Tetrachloride 1,2-Dichloroethane Benzene Trichloroethene 1,2-Dichloropropane Bromodichloromethane	EPA 624 EPA 624	09/14/10 09/22/10	RS RRB RRB	5.0 Degrees C < 5.0 ug/L
				J, -

CONTINUATION OF DATA FOR SAMPLE NUMBER 598396

ANALYSIS	METHOD	ANALYSIS DATE	TIME BY	RESULT UNITS
2-Chloroethylvinyl Ether 4-Methyl-2-Pentanone (MIBK) cis-1,3-Dichloropropene Toluene trans-1,3-Dichloropropene 1,1,2-Trichloroethane Tetrachloroethene Dibromochloromethane Chlorobenzene Ethylbenzene m & p-Xylene o-Xylene Bromoform 1,1,2,2-Tetrachloroethane 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene	EPA 624 EPA 624	09/22/10 09/22/10 09/22/10 09/22/10 09/22/10 09/22/10 09/22/10 09/22/10 09/22/10 09/22/10 09/22/10 09/22/10 09/22/10 09/22/10 09/22/10 09/22/10	RRB RRB RRB RRB RRB RRB RRB RRB RRB RRB	<pre>< 5.0 ug/L < 5.0 ug/L</pre>

NYSDOH LAB ID NO. 11246

APPROVED BY:

REPORT OF ANALYSES

Pyramid Company of Onondaga 9090 Carousel Center Syracuse, NY 13290-Attn: Mr. Robert Schoeneck

PROJECT NAME: Leachate Monitoring Wells DATE: 09/23/2010

SAMPLE NUMBER- 598397 SAMPLE ID- Well #4
DATE SAMPLED- 09/10/10
DATE RECEIVED- 09/14/10 SAMPLER- Roy Flanagan
TIME RECEIVED- 1455 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW TIME SAMPLED- 0700 RECEIVED BY- RS TYPE SAMPLE- Grab

ANALYSIS		METH	OD	ANALYSIS DATE	TIME	BY	RESUL	UNITS	
EPA 624 Vol Dichlorodif Chlorometha Vinyl Chlor Bromomethan Chloroethan Trichlorofl 1,1-Dichlor Methylene C	luoromethane ne ide e e e uoromethane oethene hloride ichloroethene oethane (MEK) loroethane achloride bethane	EPPAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	624 624 6224 6224 6224 6224 6224 6224 6	09/14/10 09/22/10		RS RRB RRB RRB RRB RRB RRB RRB RRB RRB R	\$5555555555555555555555555555555555555	Degrees ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/	С

CONTINUATION OF DATA FOR SAMPLE NUMBER 598397

ANALYSIS	METHOD	ANALYSIS DATE	TIME BY	RESULT UNITS
2-Chloroethylvinyl Ether 4-Methyl-2-Pentanone (MIBK) cis-1,3-Dichloropropene Toluene trans-1,3-Dichloropropene 1,1,2-Trichloroethane Tetrachloroethene Dibromochloromethane Chlorobenzene Ethylbenzene m & p-Xylene o-Xylene Bromoform 1,1,2,2-Tetrachloroethane 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene	EPA 624 EPA 624	09/22/10 09/22/10 09/22/10 09/22/10 09/22/10 09/22/10 09/22/10 09/22/10 09/22/10 09/22/10 09/22/10 09/22/10 09/22/10 09/22/10 09/22/10 09/22/10	RRB RRB RRB RRB RRB RRB RRB RRB RRB RRB	<pre>< 5.0 ug/L < 5.0 ug/L</pre>

NYSDOH LAB ID NO. 11246

APPROVED BY

Certified **Environmental** Services, Inc.

1401 Erie Blvd. East Syracuse, NY 13210 Phone 315-478-2374 Fax 315-478-2107

REPORT OF ANALYSES

Pyramid Company of Onondaga 9090 Carousel Center Syracuse, NY 13290-Attn: Mr. Robert Schoeneck

SAMPLE NUMBER- 598398 SAMPLE ID- Well #5
DATE SAMPLED- 09/10/10
DATE RECEIVED- 09/14/10 SAMPLER- Roy Flanagan
TIME RECEIVED- 1455 DELIVERED BY- Ben Murphy

PROJECT NAME: Leachate Monitoring Wells DATE: 09/23/2010

SAMPLE MATRIX- WW TIME SAMPLED- 0700 RECEIVED BY- RS TYPE SAMPLE- Grab

ANALYSIS	METHOD	ANALYSIS DATE	TIME BY	RESULT UNITS
Sample Receipt Temperature EPA 624 Volatiles Dichlorodifluoromethane Chloromethane Vinyl Chloride Bromomethane Chloroethane Trichlorofluoromethane 1,1-Dichloroethene Methylene Chloride trans-1,2-Dichloroethene 1,1-Dichloroethane 2-Butanone (MEK) Chloroform 1,1,1-Trichloroethane Carbon Tetrachloride 1,2-Dichloroethane Benzene Trichloroethene 1,2-Dichloropropane Bromodichloromethane	EPA 624 EPA 624	09/14/10 09/22/10	RSB RRB RRB RRB RRB RRB RRB RRB RRB RRB	5.0 Degrees C < 5.0 ug/L

CONTINUATION OF DATA FOR SAMPLE NUMBER 598398

ANALYSIS	METHOD	ANALYSIS DATE TIM	E BY	RESULT UNITS
2-Chloroethylvinyl Ether 4-Methyl-2-Pentanone (MIBK) cis-1,3-Dichloropropene Toluene trans-1,3-Dichloropropene 1,1,2-Trichloroethane Tetrachloroethene Dibromochloromethane Chlorobenzene Ethylbenzene m & p-Xylene o-Xylene Bromoform 1,1,2,2-Tetrachloroethane 1,3-Dichlorobenzene 1,4-Dichlorobenzene	EPA 624 EPA 624	09/22/10 09/22/10 09/22/10 09/22/10 09/22/10 09/22/10 09/22/10 09/22/10 09/22/10 09/22/10 09/22/10 09/22/10 09/22/10 09/22/10 09/22/10 09/22/10 09/22/10	RRB RRB RRB RRB RRB RRB RRB RRB RRB RRB	<pre>< 5.0 ug/L < 5.0 ug/L</pre>
1,2-Dichlorobenzene	EPA 624	09/22/10	RRB	< 5.0 ug/L

NYSDOH LAB ID NO. 11246

APPROVED BY

CONTAINMENT STRUCTURE SITE #734048	DERIODIC REVIEW REPORT
CONTAINIVILIAL STRUCTORE SITE #/34040	I F LINIODIC INLAILA INTERNA

Appendix H
Form 2 – Leak Detection
Sump Field Logs

LEAK DE . £CT SUMP FIELD LOG

OPERATION and MAINTENANCE MANUAL CONTAINMENT STRUCTURE CONKLIN LIMITED SYRACUSE, NEW YORK

DATE: 9-13-10

INSPECTOR: T. Flanded

TIME: 0700 -

WEATHER: 1/Sunny 60's

	LDS 5	LDS 4	LDS 3	LDS 2	LDS 1	LDS NO.
+	LDS 5 20.15	19.81	LDS 3 /8./4	LDS 2 26.50	LDS 1 /2.23	ELEVATION
1	13.85	14.85	13.12	16.26	13.51	DEPTH TO WATER (FEET)
	6.30	5.01	4.97	424	4.22	LEAK DETECT ELEVATION (INCLUDE
	0 0	0 0	0 0	0 0	1 + 1 Hes	AIR QUALITY UNITS)
	20.5	70.5	20.5	70.5	20.5	METER READING
	Yes	Yes	Yes	Yes	Yes	SAMPLE TAKEN Yes-No
	350	200	150	150	100	COMMENTS 64/5. ,oum, ove/

COMMENTS: Indust M-40 monitor

INSTRUMENT USE:

San	apple Location Learhate Lear	Det		_ Well No	,
	THE ANAGOU	inata (2-12-1	M	
Wea	ther Planny 60's	Sample	i with	Bailer	0700 Pump _/
Α.	WATER TABLE:				• •
	Well depth: (below top of casing) <u>15.35</u> ft.		Well (top	elevation:	ù <u>.</u>
	Depth to water table: (below top of casing) 13.5/ ft.		table	elevation:	17.73 ft. 4.22 ft.
	Length of water column (LWC)		ft.		
	Volume of water in well:				
	2" diameter wells = 0.163 4" diameter wells = 0.653 6" diameter wells = 1.469	Y /I UCA		ga	llons 火3 llons llons
В.	PHYSICAL APPEARANCE AT START: Color Clear Odor A	lone		-	
C.	- or layer apparent? _	N	NO		
٠.	PREPARATION OF WELL FOR SAMPLING:			· Iv	•
	Amount of water removed before sampl Did well go dry?	ing		100	_gallons.
D.	PHYSICAL APPEARANCE DURING SAMPLING: Color Clear Odor No Was an oil film or layer apparent?	PAR		Turbidity _	low
Ε.	CONDUCTIVITY 5.84 ms/cm	MO			
F.	ph 6.5/	-			
G.	TEMPERATURE 15.40c	_		100	
Н.	WELL SAMPLING NOTES:	-			
,					
•				-	

	Sai	mple Location Leachate Leak mpled By R 1-7	Delect	Well No.	7-
		- INACACE	Date 9~/3~/	O Time	0200
	Wea	ether Planny 60's	Sampled with	Bailer	Pump
	Α.	WATER TABLE:		.5	
		Well depth: (below top of casing) 19.86 ft.	Well	elevation:	-
		Depth to water table: (below top of casing) <u>/6.26</u> ft.	11-1	of casing) elevation:	20.50 ft 4.24 ft
		Length of water column (LWC)	ft.		
		Volume of water in well:			
		2" diameter wells = 0.163 4" diameter wells = 0.653 6" diameter wells = 1.469	Y /I Uc\ =	ga	allons X3 allons allons
	В.	PHYSICAL APPEARANCE AT START.		1	
		Color <u>LT. Gray</u> Odor <u>S</u> Was an oil film or layer apparent?	No	_ Turbidity	/ow
10	C.	PREPARATION OF WELL FOR SAMPLING:			
		Amount of water removed before samp Did well go dry?	ling	150	_ gallons.
	D.	PHYSICAL APPEARANCE DURING SAMPLING: Color <u>LT. Gray</u> Odor <u>S/1</u> Was an oil film or layer apparent?	,	Turbidity _	low
	Ε.	CONDUCTIVITY 4/82 ms/cm	No.	<u> </u>	
٩	F.	pH 6.81	-		
	G.	TEMPERATURE 15.80c			
	н.	WELL SAMPLING NOTES:			
				,	

	San	npled By RiFlanagan Date 9-13-10 Time 0700
	Wea	other Osunny 60's Sampled with Bailer Pump
*	Α.	WATER TABLE:
	110	Well depth:
		(below top of casing) 15.80 ft. Well elevation:
		(below top of casing) 13.17 ft. Water table elevation: 4.97 f
		Length of water column (LWC)
		Volume of water in well:
	F1	2" diameter wells = 0.163 x (LWC) = $\frac{gallons}{4}$ " diameter wells = 0.653 X (LWC) = $\frac{gallons}{6}$ " diameter wells = 1.469 X (LWC) = $\frac{gallons}{gallons}$
	В.	PHYSICAL APPEARANCE AT START:
		Color <u>LT. orange</u> Odor <u>Slight</u> Turbidity <u>low</u> Was an oil film or layer apparent? No
(5)	c.	PREPARATION OF WELL FOR SAMPLING:
		Amount of water removed before sampling
	D.	PHYSICAL APPEARANCE DURING SAMPLING: Color Clear Odor Slight Turbidity low Was an oil film or layer apparent? No
	<u>ε</u> .	CONDUCTIVITY 5.10 ms/em -
	F.	pH 6,62
	G.	TEMPERATURE 16.80 C
	Н.	WELL SAMPLING NOTES:

Sa Sa	ample Location Leachate Leak I) e[ze]	Well No.	_4
We	ampled By R. Flanagan Date Planagan Date Planagan Sa	te <u>9-13-/</u>	O Time	0700 -
	Same Ros	mpled with	Bailer	Pump _/
Α.	WATER TABLE:			
	Well depth: (below top of casing) 18.35 ft.	Well (ton	elevation:	
	Depth to water table: (below top of casing) 14.85 ft.		elevation:	19.8% ft 5.01 ft
	Length of water column (LWC)	ft.		
	Volume of water in well:			
	2" diameter wells = 0.163 x 4" diameter wells = 0.653 X 6" diameter wells = 1.469 X		ga	llons X3 llons llons
В.	PHYSICAL APPEARANCE AT START:			110113
	Color Clear Odor State	·	Tombouse	/
	Color <u>Clear</u> Odor <u>Sligh</u> Was an oil film or layer apparent?	Na	iurbidity	10W
C.	PREPARATION OF WELL FOR SAMPLING:			
	Amount of water removed before sampling Did well go dry?		200	_gallons.
D	PHYSICAL APPEARANCE DURING SAMPLING:		2	
	Color Olear Odor Sligh		_	,
	Was an oil film or layer apparent?	1/4	Turbidity _	low
Ε.	CONDUCTIVITY 4.42 ms/em -	(1)		
F.	pH 6. 7/			
G.	TEMPERATURE 15.9°C		- 1	
Н.	WELL SAMPLING NOTES:			
	•			

SKUUNU WATER SAMPLING FIELD LOG

San	mple Location Leachate Leak	Delec	7	Well No	. 5
	- ANALAW	Date 9	-12-1	Tim	
Wea	ther Clauny 60's	Sampled	with	Bailer	Pump _/
Α.	WATER TABLE:				
	Well depth: (below top of casing) 17.60 ft. Depth to water table: (below top of casing) 13.85 ft. Length of water column (LWC) Volume of water in well: 2" diameter wells = 0.163	Water	(top table _ft.	elevation	1) <u>20.15</u> ft 1: <u>6.30</u> ft
	4" diameter wells = 0.653 6" diameter wells = 1.469	Y /INC)			gallons ✗Յ gallons
В.	PHYSICAL APPEARANCE AT START: Color <u>LT. Gray</u> Odor <u>S/</u> Was an oil film or layer apparent?				gallons y <u>wood</u>
c.	PREPARATION OF WELL FOR SAMPLING: Amount of water removed before sampl Did well go dry?	ing		350	gallons.
D.	PHYSICAL APPEARANCE DURING SAMPLING: Color 17. Gray Odor 5/19 Was an oil film or layer apparent?	rhT_	1/2	Turbidity	10w
Ε.	CONDUCTIVITY 4.91 ms/cm		<u> </u>		
F.	pH 6.48	-			
G.	TEMPERATURE 16,4°c	-			
н.	WELL SAMPLING NOTES:	MAN .			
			,		

CONTAINMENT STRUCTURE SITE #734048 PERIODIC REVIEW REPO	
	P

Appendix I
Form 3 – Groundwater
Monitoring Well Field Logs

OPERATION and MAINTENANCE MANUAL CONTAINMENT STRUCTURE CONKLIN LIMITED SYRACUSE NEW YORK

-	DATE 9-10-10	10-10		INSPECTOR	S. K. F.	INSPECTOR(S). R. Flanaga
	TIME 0800-	0-		WEATHER	WEATHER Sunny 605	805
WELL	RIM	DEPTH TO	WATER	DEPTH TO	SAMPLE	_
NO	ELEVATION	WATER	ELEVATION	BOTTOM (feet)	TAKEN	COMMENTS
MW-1			-		313	
	15.05	10.63	4.22 2/63	2163	Ves	
MW-2	1456 10,30		426 21.96	21.96	25	
MW-3	15.14 10.50		4.64	4.64 21.82 Ves	×25	
MW-4	15.20 10.88		4.32	23.82 Yes	Yes	
MW-5	18.12	18.12 12.11 6.01 20.00 Yes	6.01	20.00	Yes	

COMMENTS:

Sam	ple Location Leachate Monit	uring	Well No.	,
Sam	pled By R. Flanseau	Date 9-10-0	O Time	0800
Wea	ther Sunny 60's	Sampled with	Bailer _	Pump r
Α.	WATER TABLE:		34	889
Λ.	Well depth:			
	(below top of casing) 21.63 ft	Wel (to	l elevation:	15.05 ft
	Depth to water table: (below top of casing) 11.48 ft	Makan Anka	e elevation:	15.65 ft 3.67 ft
	Length of water column (LWC)	ft.		
	Volume of water in well:			ie E.
10	2" diameter wells = 0.163 4" diameter wells = 0.653 6" diameter wells = 1.469	3 Y (1 Wr)	g	allons X3 allons allons
В.	PHYSICAL APPEARANCE AT START:	-	y	111005
	Color Clear Odor A	land	Tunksası	<i>)</i> ==
	Was an oil film or layer apparent?	NA	iurbidity	10W
C.	PREPARATION OF WELL FOR SAMPLING:		•	
	Amount of water removed before samp	lina		
	Did well go dry?		<u> </u>	_gallons.
D.	PHYSICAL APPEARANCE DURING SAMPLING	•		
	Color Class Odor 1	1000	Tumbiditu	1
	Was an oil film or layer apparent?	No	. rainiaisy _	100
Ε.	CONDUCTIVITY 4.98 us/om		· ·	
F.	pH <u>8, 43</u>	COMMUNICATION OF THE PROPERTY		
G.	TEMPERATURE 17.3°C		į.	
Н.	WELL SAMPLING NOTES:			
	THE STATE STATE NOTES.			
				
			71	
				30 100
	•			

Sam	ple Location Leachate Monif	loving	(6)	Well No). 7_
er ce in j	A I Magan	Date 9	1-10-10	7 ใ ว ่ก	ie ofac
Weat	ther Sunny 60's	Sampled	with	Bailer _	Pump r
Α.	WATER TABLE:			15	
	Well depth: (below top of casing) 2/96 ft.		Well (top	elevation of casin	on: g) <u>14.56</u> ft
	Depth to water table: (below top of casing) 10.30 ft.	Water	table	elevatio	n: 4,26 ft
	Length of water column (LWC)		ft.		
	Volume of water in well:		6		- 16 (3)
	2" diameter wells = 0.163 4" diameter wells = 0.653 6" diameter wells = 1.469	X /IWr)	=		gallons X3 gallons gallons
В.	PHYSICAL APPEARANCE AT START:				3
	Was an oil film or layer apparent?	Vone		_ Turbidii	y low
C.	PREPARATION OF WELL FOR SAMPLING:				
	Amount of water removed before sample Did well go dry?	ling			gallons.
D.	PHYSICAL APPEARANCE DURING SAMPLING: Color LT.orange Odor N Was an oil film or layer apparent?	ony		Turbidity	- law
Ε.	CONDUCTIVITY 4.01 us/cm	_			
F.	pH 6.92 ·				
G.	TEMPERATURE 19.30c				
Н.	WELL SAMPLING NOTES:				•
					н
			·		
				· · · · · · · · · · · · · · · · · · ·	
				· · · · · · · · · · · · · · · · · · ·	
					2.50

Sam	ple Location Leachalz Mon.	Toring	10	Well No	3	Š	
- C (1)1	PIEG DY A.FIANAGAU	Date 9	1-11-11) Tie	rio ac	100	_
Wea	ther Sunny 60's	Sampled	with	Bailer &	Pu	mp	<u> </u>
			66				_
Α.	WATER TABLE:						
	Well depth: (below top of casing) 21.82 ft.		Well (top	elevation of casin	n: a) /s	- -	
	Depth to water table: (below top of casing) 10,50 ft.		table	elevatio	n: <u>4</u> ,	64 f	t
	Length of water column (LWC)		ft.				
	Volume of water in well:		_			·	
. 20	2" diameter wells = 0.163 4" diameter wells = 0.653 6" diameter wells = 1.469	Y /Iucl			gallon gallon gallon	20	
B.	PHYSICAL APPEARANCE AT START:					.3	
	Color <u>LT. gray</u> Odor <u>S/</u> Was an oil film or layer apparent?	right No		_ Turbidii	y <u>lo</u>	W	_
c.	PREPARATION OF WELL FOR SAMPLING:					A	~
	Amount of water removed before sample	lina		<i>a</i>			
	Did well go dry? _/o	g		<u> </u>	ga	llons.	
D.	PHYSICAL APPEARANCE DURING SAMPLING:						
	Was an oil film or layer apparent?	gh T		Turbidity	lou	<u>j</u>	_
E.	CONDUCTIVITY 11.55 us/cm	/	Y 0	<u></u>	1,	 .	_
F.	pH 2.65 ·						
G.	TEMPERATURE 18.5°C						
н.	WELL SAMPLING NOTES:						
							-
							~
		·					_
				_			_
						67.2	_
							_
•							

Sam	uple Location Manifering Leach	17-		Well No	17	
	AI-CANAGAN	Date 9	-10-11	ว โรก	06.00	
Wea	ther Sunny 60's	Sampled	with	Bailer	0800	_
			57		- dub	
Α.	WATER TABLE:			5		
	Well depth: (below top of casing) 2382 ft.	•	Well (top	elevation of casino	15.20	£ 0
	Depth to water table: (below top of casing) 10.88 ft.	Water	table	elevation	: 4.32	ft
	Length of water column (LWC)		ft.			
	Volume of water in well:		Ü			
	2" diameter wells = 0.163 4" diameter wells = 0.653 6" diameter wells = 1.469	LY /Lucl.			gallons X3	
B.	PHYSICAL APPEARANCE AT START:			•		
	Was an oil film or layer apparent?	light No	· · · · · · · · · · · · · · · · · · ·	Turbidity	high	
C.	PREPARATION OF WELL FOR SAMPLING:	,				
•	Amount of water removed before samp Did well go dry?	ling			gallons.	
D.	PHYSICAL APPEARANCE DURING SAMPLING: Color <u>LT. Grad</u> Odor <u>Slug</u> Was an oil film or layer apparent?	eht		Turbidity	mod.	
Ε.	CONDUCTIVITY 12,14 majour	- / 10				
F.	pH 6.63	_				
G.	TEMPERATURE 18,60c			. :		
Н.	WELL SAMPLING NOTES:	-		•		
					EV	
						_
	•					-

Sam	ple Location Leachate Monitor pled By R. Flanger	· Date	0 10 1	_ Well No.	_ 5
Wea	ther Sunny bot	. Sample	<u>77070</u>	/ Inme	0800
		_ 24mp 16	u with	baller	Pump
Α.	WATER TABLE:				
-	Well depth: (below top of casing) <u>20.00</u> ft.	٠ .	Well (top	elevation:	1812 ft
	Depth to water table: (below top of casing) 12.11 ft.	Wate	r table	elevation:	6.01 ft
	Length of water column (LWC)		ft.		
	Volume of water in well:				in in
	2" diameter wells = 0.163 4" diameter wells = 0.653 6" diameter wells = 1.469	l Y /Iwrl	_	9	allons X3 allons allons
В.	PHYSICAL APPEARANCE AT START:		4945	3	· · · · · · ·
	Color <u>LT. orange</u> Odor <u>B</u> Was an oil film or layer apparent?	Mad S	lighT	_ Turbidity	mod.
C.	PREPARATION OF WELL FOR SAMPLING: Amount of water removed before samp Did well go dry?	ling		5	_ gallons.
D.	PHYSICAL APPEARANCE DURING SAMPLING Color <u>LT. orange</u> Odor <u>S/</u> Was an oil film or layer apparent?		,	Turbidity	mad.
Ε.	CONDUCTIVITY 4.21 mistem			<u> </u>	
F.	pH 2.44	_			
G.	TEMPERATURE 2.44 16.10c			. :	
Н.		_		•	
п.	WELL SAMPLING NOTES:				
				,	
		<u> </u>			
	•				

CONTAINMENT STRUCTURE SITE #734048 PERIODIC REVIEW REPORT

Appendix J
Form 4 – Site Observation
Form

SITE OBSERVATION FORM

FORM 4

OPERATION and MAINTENANCE MANUAL CONTAINMENT STRUCTURE CONKLIN LIMITED SYRACUSE NEW YORK

CONTAINMENT STRUCTURE SITE #734048	I DEDICADIC DEVIEW DEDODI
CONTAINIVIENT STRUCTURE SITE #/34046	I PENIODIC NEVIEW NEPONI

Appendix K
Form 5 - Storm Drainage
Facilities Report

OPERATION and MAINTENANCE MANUAL CONTAINMENT STRUCTURE CONKLIN LIMITED SYRACUSE NEW YORK

TIME 0800 - 1754 WEATHER PROCESS TO 1 AND SAME

-	75 144 24	-	72 1/2 2/6	11 11 17	70 70 211	77 1/2 W Z W	67a 3/11" 1 11	36 /11	65 /2 " 2 1	64 / 11 1 172"	63 3/4"		BASIN CONDITION SEDIMENT NO. (inches) (inches)
Nonz	Minz	" Klone	Non	Nan X	Nanc	Non	Nanz	None	1	" N/m"		\parallel	OF ODORS NT NOTED (describe)
				* liminaled									COMMENTS



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