

February 26, 2014

Mr. Christopher F. Mannes, III, P.E.

Environmental Engineer II New York State Department of Environmental Conservation Region 7- Environmental Quality Office 615 Erie Boulevard W. Syracuse, NY 13204-2400

RE: Containment Structure Site # 734048

FILE: 6443/37514

Dear Mr. Mannes:

On behalf of Conklin Limited, O'Brien & Gere is submitting two (2) copies of the 2013 Periodic Review Report (PRR) and the 2013 Fact Sheet for Containment Structure Site #734048 (Clark Site). This PRR was prepared in substantive compliance with the requirements of the approved Operation and Maintenance Manual for the Containment Structure dated May 1993, revised February 1994. A pdf copy of the report will be emailed to you separately.

Should there be questions or comments, please contact Rob Schoeneck at (315)-466-6000 or me at (315)-956-6515.

Very truly yours,

O'BRIEN & GERE ENGINEERS, INC.

Kyle W. Buelow, CPESC/CPSWQ

Technical Associate

Enclosures: Containment Structure Year 2013 Periodic Review Report

2013 Fact Sheet

cc: Rob Schoeneck – Conklin Limited (2 copies)

Gary D. Cannerelli, PE - O'Brien & Gere

CONTAINMENT STRUCTURE SITE #734048

FACT SHEET – FEBRUARY 2014

What and where is the Containment Structure?

The Containment Structure was constructed in 1990 on the west side of the Carousel Center below the parking field. An earthen berm was constructed and the interior was double lined with 60 ml high density polyethylene (HDPE) liners. An intermediate layer of geonet was installed as a leak detection system between the liners. These primary and secondary liners were overlain with a combination of sand, geotextile, crushed stone and filter fabric layers to facilitate leachate collection and management from approximately 60,000 cubic yards of soils impacted with volatile organic compounds (VOCs). The final cover consists of a HDPE liner covered by sand, gravel and an asphalt surface.

Perforated pipe within the Containment Structure directs leachate by gravity towards 5 leachate collection sumps. Adjacent to each of these sumps are leak detection sumps. There are 5 ground water monitoring wells installed around the perimeter of the Containment Structure.

What has occurred since construction of the Containment Structure?

In May of 1993 a draft Operation and Maintenance (O&M) Manual was prepared for the 30-year closure period for the Containment Structure and submitted to the NYSDEC for review. In February of 1994 the O&M Manual was approved by the NYSDEC and the work tasks within the O&M Manual were commenced. The Containment Structure has been operated in accordance to the approved O&M Manual.

Specifically, implementation of the O&M Manual included:

- 1. Inspections and monitoring of the leachate collection sumps, leak detection sumps and ground water monitoring wells.
- 2. Leachate sample collection and analysis from the leachate collection and leak detection sumps, and ground water monitoring wells.
- 3. Leachate collection and disposal.
- 4. General site observation.
- 5. Storm drain inspections and air monitoring.
- 6. Reports and submittals to the NYSDEC.

What is the current status of the project?

Based on review of the annual reports and monitoring information, the Containment Structure appears to be functioning appropriately. Leachate is being removed by automatic pumping of the leachate collection system and by manual pumping of the leak detection system. Analysis of ground water samples from the monitoring wells indicates that the local ground water quality is

not impacted by the Containment Structure. The asphalt surface above the Structure is intact and appears structurally sound.

Are there any proposed actions for the site?

In general, work at the site will continue to include work tasks identified in the O&M Manual. These items include:

- 1. Inspections of the leachate collection sumps, leak detection sumps, monitoring wells and general site condition.
- 2. Laboratory analysis of water from the collection, detection and monitoring well systems.
- 3. Fluid removed from the leachate collection sumps and leak detection sumps will continue to be properly managed and manifested.

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PERIODIC REVIEW REPORT

Containment Structure Site #734048

Conklin Limited Syracuse, New York

February 2014



6443 | 37514

Containment Structure Site #734048

Syracuse, New York

Prepared for: Conklin Limited

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1. INTRODUCTION

This 2013 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 2013 and includes data collected since 1994. The report was prepared as requested by the NYSDEC in correspondence dated November 23, 2009 (NYSDEC 2009), as modified in discussions with the NYSDEC, and in substantive conformance with the NYSDEC approved Operation and Maintenance (O&M) Manual (O'Brien & Gere 1994). The PRRs summarizing the monitoring activities from 2009 through 2012 were submitted to the NYSDEC previously. 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 and in accordance with elements provided in the Response Action Plan (RAP) (O'Brien & Gere 1998).

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, now branded as DestiNY USA, 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 Route 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 the 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 the NYSDEC. The Supplemental Remedial Investigation was accepted and approved by the NYSDEC on January 14, 1991. The IRM Report was accepted and approved by the NYSDEC on March 14, 1991. The Feasibility Study was submitted to the 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. The 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 (LDSs) 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

An LDS consisting of a perforated concrete vault is located adjacent to each LCS to receive leachate that penetrates the primary liner or water that enters from external sources. 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 and in 2011.

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 the 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 indicate a decreasing trend, reflected in the absence of water in LDS-1 (second consecutive annual occurrence) and LDS-3 (third consecutive annual occurrence). The secondary liner appears to be performing its design function of containing water and directing it to the LDSs although LDS-1 and LDS-3 were dry.
- 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.

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 2013. 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; PRRs summarizing monitoring activities from 2010, 2011, and 2012 were also submitted to the NYSDEC. 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. Documentation of his Health and Safety at Hazardous Waste Operations Course is included in Appendix E.

Summaries of the data from the 20-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, Industrial Science M40, or MultiRae Plus air monitoring device
- 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 2012 have been submitted in past years in accordance with the O&M Manual. The Leachate Collection Sump Field Logs (Form 1) for the 2013 monitoring year are included as Appendix F.

6.1.2 LCS Water Measurements

The rim and invert elevations of the LCSs 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. Rim and invert elevations for 2011 through 2013 reflect the August 29, 2011 C.T. Male survey information. 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. Leachate has been observed within the LCSs throughout the monitoring period. 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.

As shown in Table C-3, the measured water levels from the LCSs for 2013 do not prompt corrective action per the RAP. Leachate levels have generally been less than corrective action levels in each LCS since 1994, indicating that the leachate collection system continues to function appropriately.

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 to 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 2013, 1, 1-dichloroethane was the only constituent detected in each of the LCSs at concentrations that are consistent with past monitoring events. Laboratory reports from 1994 through 2012 have been submitted in past years in accordance with the O&M Manual. Laboratory reports for the 2013 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	
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)



Dates	Leachate Collected (Gallons)	Annual Recovery (year) (gallons)
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)
Period 1/11 – 12/11	18,846	18,846 (2011)
Period 1/12 – 12/12	13,183	13,183 (2012)
Period 1/13 – 12/13	18,542	18,542 (2013)

⁽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 Vickery Environmental, Inc. in Vickery, Ohio. Hazardous Waste Manifests for the leachate transportation from the 2013 monitoring period are included as Appendix B. Hazardous Waste Manifests from 1994 through 2012 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, Industrial Science M40, or MultiRae Plus air monitoring device
- 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 2012 have been submitted in past years in accordance with the O&M Manual. The Leak Detection Sump Field Logs (Form 2) for the 2013 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. Rim and invert elevations for 2011 through 2013 reflect the August 29, 2011 C.T. Male survey information.



⁽²⁾ Automatic pumping initiated

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.

Table C-2 indicates that, based on information provided by the Site monitor, water levels in 2013 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 2013, 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 20.3%

6.2.4 LDS Sampling and Laboratory Analysis

Samples were collected pursuant of the O&M Manual from each of the LDSs where water was present¹ 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 2013, 1,1 dichloroethane was the only compound detected above detection limits at concentrations consistent with historical data. Laboratory reports from the 1994 through 2012 sampling events have been submitted in past years in accordance with the 0&M Manual. Laboratory reports for the 2013 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 2013 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

 $^{^{1}}$ Samples were not collected in 2013 from LDS-1 and LDS-3 since water was not present at quantities capable of sampling.



Date (Month/Year)	LDS-1	LDS-2	LDS-3	LDS-4	LDS-5	TOTAL
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
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	0	0	1580
11/03	0	0	0	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
10/11	150	100	0	250	150	650
9/12	0	300	0	400	500	1200
9/13	0	700	0	150	800	1650

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 Vickery Environmental, Inc. in Vickery, Ohio by Page Transportation Company. Uniform Hazardous Waste Manifest forms for 2013 are included in Appendix B. Hazardous Waste Manifests from 1994 through 2012 have been submitted in past years in accordance with the O&M Manual.

6.3 GROUNDWATER MONITORING SYSTEM

6.3.1 Groundwater Monitoring

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. Rim and invert elevations for 2011 through 2013 reflect the August 29, 2011 C.T. Male survey information and 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 2013 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 groundwater elevations measured within the monitoring wells are consistent with past data (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 2013, no constituents were detected in any of the five MWs, except for MW-1. In MW-1, there was a single detection of trichloroethene at concentrations consistent with historical data. 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 μ g/L) and a single reading of trichloroethane in 2008 (10 μ g/L). Laboratory reports from the 1994 through 2012 sampling events have been submitted in past years in accordance with the 0&M Manual. Laboratory reports for 2013 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 2013 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 are 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 2012 have been submitted in past years in accordance with the O&M Manual. A copy of the Storm Drainage Facilities Report for 2013 is included in Appendix K.

In 2013, pipelines were noted to be clear of sediment and no system problems were noted. Minor accumulations 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 2013 data.

- 1. Total manifested volume of leachate from LCSs and LDSs = 18,542 gal
- 2. Total LDS volume = 1,650 gal (measured)
- 3. Total LCS volume = 16,892 gal (calculated)
- 4. The pH recorded in MW-1 was 12.4 in 2013. This well had experienced a downward trend in pH in the past eight years. The pH was 6.65 in 2012, 8.46 in 2011, 8.63 in 2010, 8.97 in 2009, 9.14 in 2008, 9.21 in 2007, 9.43 in 2006, and 9.72 in 2005. The pH from 2014 will be compared to these recent values to evaluate whether the elevated pH is anomalous or is indicative of a trend.



- 5. A total of only two constituents were detected in the LCSs, LDSs, and MWs: 1,1-dichloroethane and trichloroethene.
- 6. 1,1-Dichloroethane was the only compound detected in the LCSs and LDSs.
- 7. No compounds were detected above detection limits in MW-2, MW-3, MW-4, and MW-5.
- 8. Trichloroethene was the only compound detected in MW-1 at a concentration of 8.8 ug/L.
- 9. Third consecutive year with no detections in LDS-1 and second consecutive year with no detects in LDS-3.
- 10. The concentrations in the other LCS, LDS, and MW samples were consistent with historical data.
- 11. No constituents have been detected in MW-3 since 1996.
- 12. No constituents have been detected in MW-2 or MW-4 since 2006.
- 13. No constituents have been detected in MW-5 since 2008.

The following conclusions are based on Site activities from 1994 through 2013.

- 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. The measured water levels from the LCSs, LDSs, and MWs do not prompt corrective action per the RAP. 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 indicate a general decreasing trend since 2002, reflected in the absence of water in LDS-1 (second consecutive annual occurrence) and LDS-3 (third consecutive annual occurrence). 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 although LDS-1 and LDS-3 were dry.
- 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 2013.

- 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. An elevation survey was conducted August 29, 2011 by C.T. Male. A new survey will need to be performed in 2016 to conform to the 0&M Manual requirement for a survey to be performed every five years.



5.	Data should be submitted to the NYSDEC on an annual basis per the O&M Manual and the 2009 NYSDEC correspondence.

7. OVERALL PRP CONCLUSIONS AND RECOMMENDATIONS

Conklin Limited has completed Year 20 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. General Site inspections are also performed. To date, the Containment Structure has been operated in accordance with the approved O&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

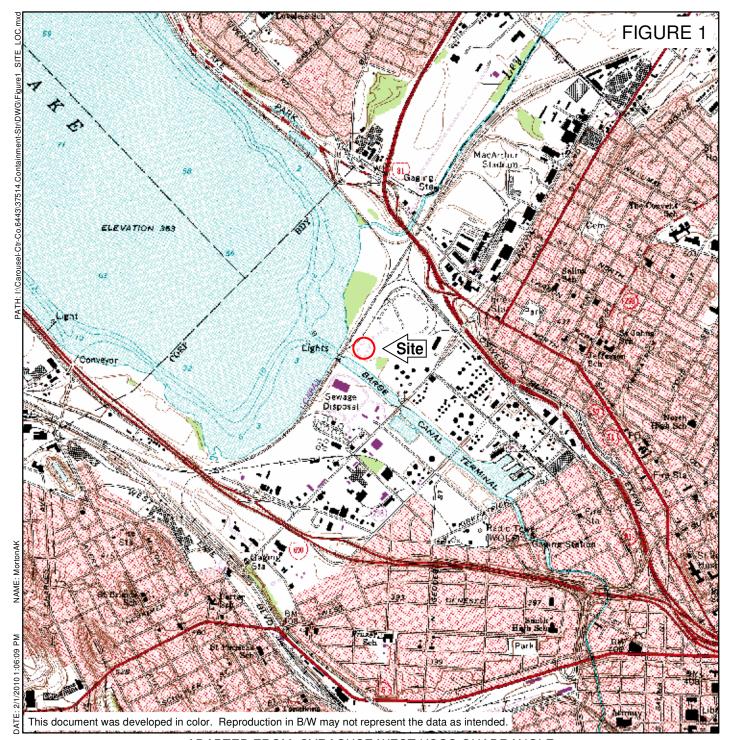
New York State Department of Environmental Conservation. 2009. *45-day Reminder Notice: Site Management Periodic Review*. November 23.

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

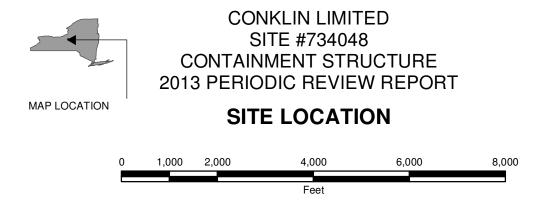
O'Brien & Gere. 1994. Operation and Maintenance Manual Containment Structure Site 734048. February.



CONTAINMENT	STRUCTURE SITE #734	048 PERIODIC REVIEW REPORT
		FIGURES



ADAPTED FROM: SYRACUSE WEST USGS QUADRANGLE





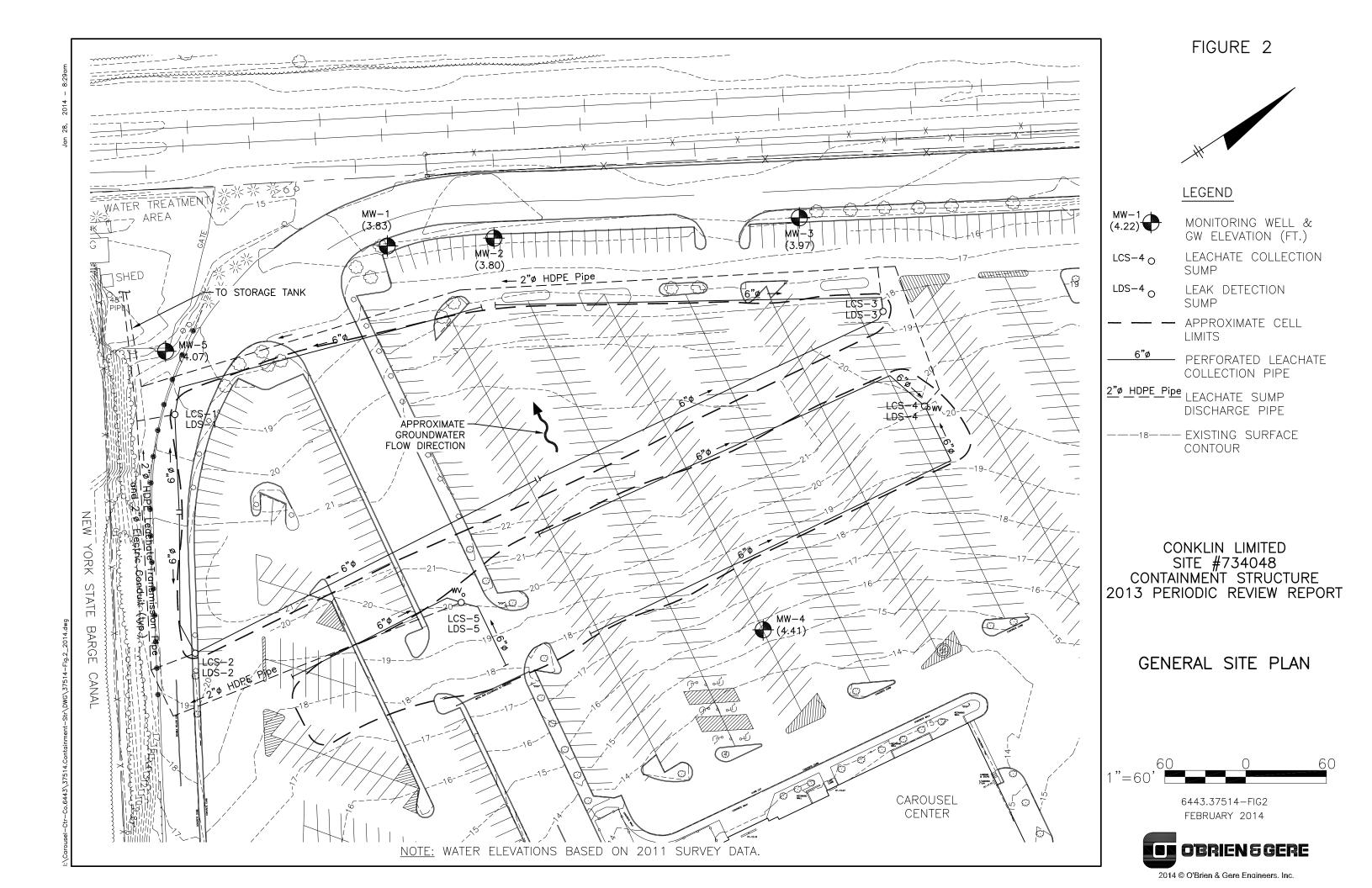
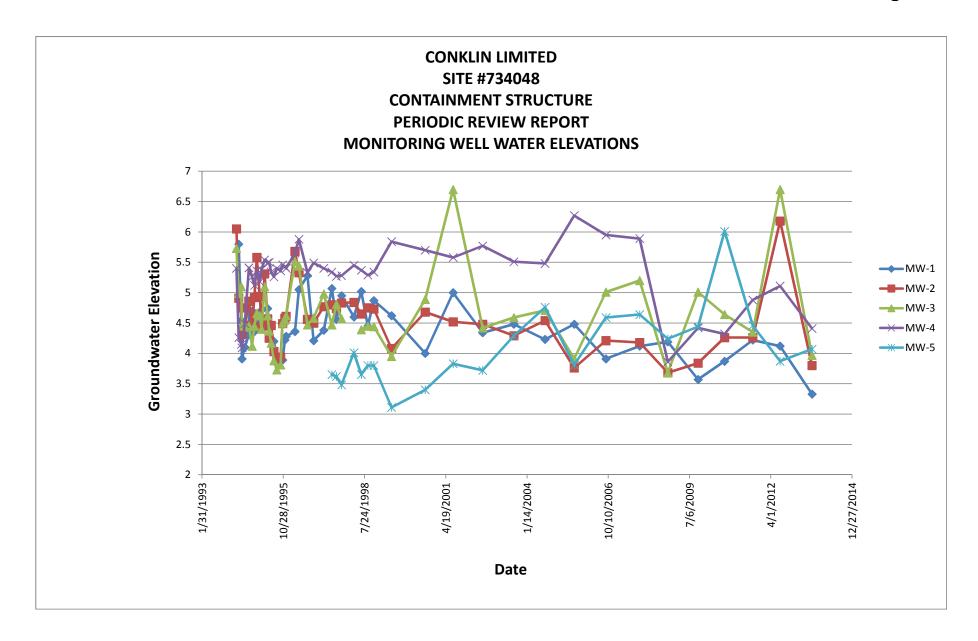


Figure 3



2/19/2014 O"BRIEN GERE

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	e No.	Site Details	Box 1	
	Sit	e Name	Clark Property		
	City Co Allo Site Ow	y/Town: unty: On owable U e Acreag /ner: Pyr 350	Jse(s) (if applicable, does not address local zoning): no restrictions known		
			Verification of Site Details	Во	x 2
į				YES	NO
	1.	Is the in	nformation in Box 1 correct?	×	
		If NO, a	are changes handwritten above or included on a separate sheet?		
	2.		me or all of the site property been sold, subdivided, merged, or undergone a parameter amendment during this Reporting Period?		×
			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?		×
			is documentation (or evidence that documentation has been previously ed) included with this certification?		
	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	e-significant-threat Brownfield Cleanup Program Sites subject to ECL 27-1415. In new information revealed that assumptions made in the Qualitative Exposure ment regarding offsite contamination are no longer valid?		
			is the new information or evidence that new information has been previously ed included with this Certification?		
	6.	are the	e-significant-threat Brownfield Cleanup Program Sites subject to ECL 27-1415. assumptions in the Qualitative Exposure Assessment still valid (must be I every 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
f, and
certification cepted ES NO
Institutional f the
nce the date that the
nd Sta
cluding access to
agement Plan for this
echanism remains valid
ES NO
Decision Document);
d in the

Periodic Review Report (PRR) Certification Statements

I certify by checking "YES" below that the O&M Plan Requirements (or equivalent as required in the Decision Document) are being met.	1	remodic Review Report (FRR) Certification Statements		
reviewed by, the party making the certification; b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted YES NO	1.	I certify by checking "YES" below that:		
are in accordance with the requirements of the site remedial program, and generally accepted YES NO			of, and	
2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true: (a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department; (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment; (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control; (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document. YES NO I certify by checking "YES" below that the O&M Plan Requirements (or equivalent as required in the Decision Document) are being met. I certify by checking "YES" below that the requirements of the Monitoring Plan (or equivalent as required in the Decision Document); I certify by checking "YES" below that the requirements of the Monitoring Plan (or equivalent as required in the Decision Document);			accepted	
2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true: (a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department; (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment; (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control; (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document. YES NO 1 certify by checking "YES" below that the O&M Plan Requirements (or equivalent as required in the Decision Document); I certify by checking "YES" below that the requirements of the Monitoring Plan (or equivalent as required in the Decision Document); I certify by checking "YES" below that the requirements of the Monitoring Plan (or equivalent as required in the Decision Document) is being met.	l		169	NO
or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true: (a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department; (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment; (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control; (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document. YES NO I certify by checking "YES" below that the O&M Plan Requirements (or equivalent as required in the Decision Document) are being met. I this site has a Monitoring Plan (or equivalent as required in the remedy selection document); I certify by checking "YES" below that the requirements of the Monitoring Plan (or equivalent as required in the Decision Document) is being met.	L		X	
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the environment; (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control; (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document. YES NO I certify by checking "YES" below that the O&M Plan Requirements (or equivalent as required in the Decision Document) are being met. I certify by checking "YES" below that the requirements of the Monitoring Plan (or equivalent as required in the Decision Document); I certify by checking "YES" below that the requirements of the Monitoring Plan (or equivalent as required in the Decision Document); I certify by checking "YES" below that the requirements of the Monitoring Plan (or equivalent as required in the Decision Document) is being met. YES NO			since the	e date that the
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3. If this site has an Operation and Maintenance (O&M) Plan (or equivalent as required in the Decision Document); I certify by checking "YES" below that the O&M Plan Requirements (or equivalent as required in the Decision Document) are being met. □ If this site has a Monitoring Plan (or equivalent as required in the remedy selection document); I certify by checking "YES" below that the requirements of the Monitoring Plan (or equivalent as required in the Decision Document) is being met. YES NO			YES	NO
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4. If this site has a Monitoring Plan (or equivalent as required in the remedy selection document); I certify by checking "YES" below that the requirements of the Monitoring Plan (or equivalent as required in the Decision Document) is being met. YES NO			ired in th	e
I certify by checking "YES" below that the requirements of the Monitoring Plan (or equivalent as required in the Decision Document) is being met. YES NO			×	
in the Decision Document) is being met. YES NO	4.	If this site has a Monitoring Plan (or equivalent as required in the remedy selection docum	ent);	
YES NO			ent as re	quired
		in the Decision Documenty is being met.	YES	NO
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		₩		
	L		<u>.</u>	

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 Law.

AESTINY USA

Print name

AESTINY USA

SYRACUSE, NY print name

APRICAL

APRICAL

APRICAL

APRICAL

(Owner or Remedial Party)

FEBRUARY 24, 2014

Signature of Owner or Remedial 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.

CARL JANEEUL at Christing Syracus NY/3221

(Owner or Remedial Party) for the Site named in the Site Details Section of this form.

am certifying as a Qualified Environmental Professional for the \underline{above}

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

Stamp (If Required)

February 25, 2014

CONTAINMENT STRUCTURE SITE #734048 PERIODIC REVIEW REPO	
	P

Appendix B
Uniform Hazardous Waste
Manifests

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 23202

INVOICE DATE 06/04/2013
TERMS NET 30 DAYS

YOUR ORDER NUMBER
SALES REP
SHIPPED VIA
PREPAID or COLLECT
SHIPPED VIA
Collect

QUANTITY		DESCRIPTION	L	INIT PRICE	AMOUNT
4549.77	Gallons	Disposal of F039 Water (VB5696)		\$0.32	\$1,455.93
	Manifest	#009593214JJK			
1	Load	Transportation		\$1,850.00	\$1,850.00
1	Each	Fuel surcharge (46%)		\$851,00	\$851.00
	Date of S	Shipment: 5/8/13			
4757.67	Gallons	Disposal of F039 Water (VB5696)		\$0.32	\$1,522.45
	Manifest	#009593213JJK			
1	Load	Transportation		\$1,850.00	\$1,850.00
1	Each	Fuel surcharge (47%)		\$869.50	\$869.50
	Date of S	Shipment: 5/23/13			
				i	
	Generate	or: Conklin Limited			
		372 W. Hiawatha Blvd.			
		Syracuse, NY 13202			
HD		charges, if applicable, will be billed sepa	rately" S1	JBTOTAL	\$8,398.88
Demurraç	je anu surc	alarges, il applicable, will be bliled sepa		X (8%)	\$671.91
			1	REIGHT	\$0.00
VILM-MSC	H-2786-22	266-23202	<u> </u>		\$9,070.79
			AKE ALL CHECKS PAYA		PAY THIS
Call:	Amy Mo:	ser (302)380-3737 Ca	pitol Environmental Service	ces, Inc.	AMOUNT

amoser@capitolenv.com

Plea	se pri	int or type. (Form designed for use on elite (12-pitch) typewriter.)					Form	Approved. ()MB No. 20	50-0039
1	עאט	FORM HAZARDOUS 1. Generator ID Number		3. Emergency Response		4. Mankest T	racking No	mber 4	A 4.	.,
Н	WASTE MANIFEST NYD 906 870 658			302-652-8	UUS	<u> 454</u>	<u> 321</u> 4	<u>4 JJ</u>	K	
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	30RX	RO Carolinel Center, Syraculae, NY 13280								
Ш		(316) 466-6000)								
Ш	Gene 6 To	rator's Phone:" ansporter 1 Company Name				U.S. EPAID N				
	U. 11a	applies i Company resid	Va. DAIDIRAICE						i	
	7. Tra	snsporter 2 Company Name			U.S. EPAID lamber					
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8. Designated Facility Manna and Site Address U.S. EPA10 A							fumbet			
		de Managument-Vickery Environmental	•							
								OHD 020	273 619	
	Facē	(419) 547-7781 Skys Phone:								
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Н	1: Appl VB6898 ERG171 8RH 700 96 38									
П	Jobs WIL								ALM-MSC	Ж -
П	15. GENERATOR'S OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are described, or								ssied, pack	ged.
П	marked and labeled placeded, and are in all respects in proper condition for izanopan according to eppicable international and national governmental regulations. If expert shipment and it am the Primary								vy	
П	Exponer, I certly that the contents of this consignment conform to the terms of the attached EPA Activor/edgment of Consent. I certly that the waste minimization statement identified in 40 CFR 262.27(e) (41 am a large quantity generator) or (b) (41 em a small quantity generator) is true.									
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19. Hazardous Waste Report Management Method Codes (i.e., codes for instandous waste treatment, disposal, and recycling systems) 1.										
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Capitol Environmental Services, Inc.

INVOICE

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

SOLD TO:			
Carousel Center	RI	CEIVED	•
9090 Carousel Center Drive		INVOICE NUMBER	23536
Syracuse, NY 13290	1	LP 0 5 2013	
Attn: Jeannie Dadd		INVOICE DATE	08/26/2013
	Per	TERMS	NET 30 DAYS
		YOUR ORDER NUMBER	17435
SHIPPED TO:		SALES REP	M.Schubert
		SHIPPED VIA	Page
Vickery Environmental, Inc.		PREPAID or COLLECT	Collect

QUANTITY		DESCRIPTION		UNIT PRICE	AMOUNT
4736.16	Gallons	Disposal of F039 Water (VB5	6696)	\$0.32	\$ 1,515.57
	Manifest	#009593212JJK			
1	Load	Transportation		\$1,850.00	\$1,850.00
1	Each	Fuel surcharge (47%)		\$869.50	\$869.50
	Date of S	Shipment: 8/14/13			
			X.		
	Conorate	or: Conklin Limited			
	General	372 W. Hiawatha Bivd.			
		Syracuse, NY 13202			
"Demurrag	e and surc	harges, if applicable, will be bille	ed separately"	SUBTOTAL	\$4,235.07
	,	good is all business to make and	a a a a paragraph	TAX (8%)	\$338.81
				FREIGHT	\$0.00
		571-23536			\$4,573.88
		his invoice?	MAKE ALL CHECKS		PAY THIS
all:		er (302)380-3737	Capitol Environmental	Services, Inc.	AMOUNT

amoser@capitolenv.com

567303 Please print of type. (Form designed for use on eithe (12-plich) typewnier.) UNIFORM HAZARDOUR L. GENERAL IN NUMBER WASTE MANIFEST ... L. NYO 888 870 658. 009593 5. Generalof stleme and Helling Address
Confide Limited 090 Corousel Center, Byrecuse, NY 13280 nastus e Shorkalou Generated Process

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[contry that the existent minutes from statement identified in 40 CFR 282.27(e) (if an a large quantity generated) or (c) (if I am a smill quantity generated) in the. Francisco expresses (for exports only): --Port el entryfesit _ Export from U.S. Date lenning U.S.: 17. Transporter Advantadoment of Receipt of Materials Transporter 1 PrintedTyped Name GUNAL HAM Transporier 2 Prinsed Typed Hame 18. Discrepancy . the Discrepency Indication Space Purifial Rejection · Residue' ☐ Full Relaction Type . | 18b. Alterno's FecCity (or Generator) U.S. EPA 10 Number FactOv's Phone: (Sc. Signature of Altama's Facility (or Generator) 19.Hazz us Waste Record Management Method Codes (i.e., codes for hazardous waste treathers, deposed, and recycling systems) 20. Designated Facility Owner or Operator: Certification of morphs of bazardous materials covered by the manifest except as noted in hom 182

transporter's copy

EPA Form 8100-22 (Ray, 3-05) Previous editions are obsolets.

Capitol Environmental Services, Inc.

INVOICE

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

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Carousel Center
9090 Carousel Center Drive
Syracuse, NY 13290
Attn: Jeannie Dadd

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TERMS NET 30 DAYS

YOUR ORDER NUMBER 17435

SALES REP M.Schubert

SHIPPED VIA Page

PREPAID or COLLECT | Collect |

DESCRIPTION | UNIT PRICE | AM

QUANTITY		DESCRIPTION		UNIT PRICE	AMOUNT
4498.72	Gallons	Disposal of F039 Water (VB569	6)	\$0.32	\$1,439.5
1				#4 050 00	04.050.0
•	Load	Transportation		\$1,850.00	\$1,850.0
1	Each	Fuel surcharge (47%) shipment: 10/30/13		\$869.50	\$869.5
	8				
	Generato	r: Conklin Limited			¥8
		372 W. Hiawatha Blvd.		į.	
		Syracuse, NY 13202	E		
"Demurrage	e and surch	narges, if applicable, will be billed s	eparately"	SUBTOTAL	\$4,159.0
		<u> </u>	· · ·	TAX (8%)	\$332.7
				FREIGHT	\$0.0
VILM-MSC					\$4,491.8
luestions co			MAKE ALL CHECKS PA		PAY THIS
all:	-	er (302)380-3737	Capitol Environmental Se	rvices, Inc.	AMOUNT

amoser@capitolenv.com

THANK YOU FOR YOUR BUSINESS!

Form Approved. OMB No. 2050-0039 Please print or type. (Form designed for use on eithe (12-pitch) typewriter.)

| UNIFORM HAZARDOUS | 1. Generator ID Number 2. Page 1 of | 3. Emergency Response Phone 009593211 NYD 223 070 588 302-652 8999 JJK WASTE MANIFEST 5. Generator's Name and Mailing Address Clentican Limitad 1030 Ceroucal Certar, Syrcouca, NY 13200 (216) 433-0000 Generator's Phone 6. Treresporter 1 Company Name IAGF IRA U.S. EPA ID Number NYD984969947 TEANSFOR TATION とうく U.S. EPA ID Numba 7. Transporter 2 Company Name 8. Designated Facility Name and Site Address
NESS MERCEN PROFESSIONAL STREET U.S. EPA ID Number 1533 (Chin) Routh 412, Victory, CH 43484 OHD 020 273 810 (419) 647-7791 Facility's Phone: 9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, 10. Containers 11. Total 12. Unit 92. 13. Waste Codes and Packing Group (If any)) Quantity WILAM. HM Type BOC NASTOR, Hoggedous Watth, Liquid, N.O.B., 8, III FORS 11 a (בתביבוסתקבא בתביקא) 1 14. Special Handling Instructions and Additional Information EN 1015056 1: Approved and ERG171 PPE MITH FIRCH 370 15. OBJERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, pectaged, marked and inheled/plecarded, and are in all respects in proper condition for transport according to applicable international and responsition for the expect and inheled/plecarded, and are in all respects in proper condition for transport according to applicable international and responsitions. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the alternative department of Consent.

I certify that the waste minimization statement identified in 40 CFR 262-27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true. Month retor's/Olleror's Printed/Typed Name 16. International Shipments | Import to 100% VO 130 113 a. o a Export from U.S. Import to U.S. Port of entry/exit: 4 Date leaving U.S.; Transporter signature (for exporte only): 17, Transporter Admonissigment of Receipt of Meterials BILL KENT 10 130 13 Transporter 2 Printed Typed Name 18. Discrepancy 18a. Discrepancy Indication Space Птуре Quantity Residue Partial Rejection Full Rejection Manifest Reference Number: 18b. Allemate Facility (or Generator) U.S. EFA ID Number Facility's Phone: 18c. Signature of Alternate Facility (or Generator) 19. Hazardous Wests Report Management Method Codes (i.e., codes for hazardous wasts treatment, disposal, and recycling systems) 20. Designated Facility Owner or Operator: Cartification of receipt of hazardous materials covered by the manifest except as noted in item 18a 110 13/119 1 / OTH EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. TRANSPORTER'S COPY

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	2003 INV	2011 RIM	2011 INV		RIM	INV	1997 RIM	1997 INV	2004 RIM	2003 INV	2011 RIM	2011 INV
WELL	ELEV	ELEV	ELEV	ELEV ¹	ELEV ²	ELEV ¹	ELEV ³	ELEV ¹	WELL	ELEV	ELEV	ELEV	ELEV ¹	ELEV ²	ELEV ¹	ELEV ³	ELEV ¹
LCS-1	19.02	4.61	18.28	3.87	17.66	3.25	17.25	2.84	LDS-1	19.04	3.65	18.23	2.84	17.73	2.34	17.25	1.86
LCS-2	21.92	3.27	20.76	2.11	20.31	1.66	19.92	1.27	LDS-2	22.30	2.44	21.00	1.14	20.50	0.64	20.09	0.23
LCS-3	19.52	5.12	18.97	4.57	18.36	3.96	17.79	3.39	LDS-3	19.46	3.66	18.78	2.98	18.14	2.34	17.63	1.83
LCS-4	21.25	3.85	20.65	3.25	20.00	2.60	19.40	2.00	LDS-4	21.17	2.82	20.54	2.19	19.86	1.51	19.37	1.02
LCS-5	21.32	4.59	20.63	3.90	20.11	3.38	19.64	2.91	LDS-5	21.45	3.85	20.73	3.13	20.15	2.55	19.55	1.95

- 1. Invert elevation calculated by subtracting difference in rim elevations from the former invert elevation.
- 2. Rim elevations surveyed by C.T. Male Associates April 1, 2004.
- 3. Rim elevations surveyed by C.T. Male Associates August 29, 2011.
- 4. Data collected from 1997 through December 2002 reflect the 1997 survey information.
- 5. Data collected from 2003 through 2010 reflect the 2004 survey information.
 6. Data collected from 2011 through 2013 reflect the 2011 survey information.
- 7. Elevations refer to Syracuse City Datum.

Table C-2 Conklin Limited Site #734048 Monitoring Data

	LCS-1 DEPTH TO	WATER	LDS-1 DEPTH TO	WATER	LCS-2 DEPTH TO	WATER	LDS-2 DEPTH TO	WATER	LCS-3 DEPTH TO	WATER	LDS-3 DEPTH TO	WATER	LCS-4 DEPTH TO	WATER	LDS-4 DEPTH TO	WATER	LCS-5 DEPTH TO	WATER	LDS-5 DEPTH TO	WATE
DATE ¹	WATER ²	ELEV ³	WATER	ELEV	WATER	ELEV	WATER	ELEV	WATER	ELEV	WATER	ELEV	WATER	ELEV	WATER	ELEV	WATER	ELEV	WATER	ELE
2/25/94	12.91	6.11	13.89	5.15	NM	NM	NM	NM	12.45	7.07	13.51	5.95	15.35	5.90	15.88	5.29	14.61	6.71	7.67	13.7
3/31/94 4/27/94	12.71 12.19	6.31 6.83	13.15 12.66	5.89 6.38	18.65 14.81	3.27 7.11	NM 15.97	NM 6.33	12.44 12.48	7.08 7.04	14.55 13.46	4.91 6.00	15.35 15.23	5.90 6.02	14.29 14.14	6.88 7.03	14.59 14.60	6.73 6.72	7.64 13.30	13.8 8.1
5/24/94	12.09	6.93	13.41	5.63	14.51	7.41	16.61	5.69	12.41	7.11	14.66	4.80	14.96	6.29	15.52	5.65	14.25	7.07	16.83	4.6
6/21/94	13.19	5.83	13.77	5.27	15.76	6.16	16.46	5.84	13.24	6.28	14.67	4.79	15.40	5.85	15.87	5.30	14.60	6.72	17.17	4.28
7/20/94	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	5.5
8/11/94 9/07/94	14.29 13.91	4.73 5.11	15.05 13.98	3.99 5.06	17.30 16.32	4.62 5.60	17.35 16.69	4.95 5.61	13.78 13.79	5.74 5.73	14.80 14.69	4.66 4.77	16.17 16.40	5.08 4.85	16.51 16.48	4.66 4.69	16.04 16.11	5.28 5.21	16.82 17.02	4.63 4.43
0/13/94	13.82	5.20	14.59	4.45	17.32	4.60	16.92	5.38	13.74	5.78	14.60	4.86	16.44	4.81	16.48	4.69	16.16	5.16	17.16	4.2
1/14/94	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	4.6
2/14/94 1/19/95	13.83 14.19	5.19 4.83	14.58	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	16.87 16.71	4.5 4.7
1/19/95 2/18/95	14.19	4.63 4.79	14.04 14.12	4.92	18.07	3.85	17.10 NM	5.20 NM	13.79	5.71	14.00	5.18	16.40	4.79 4.85	16.03	4.93	16.21	5.11 5.15	16.71	4.7
3/13/95	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	4.8
4/25/95	13.96	5.06	14.05	4.99	17.98	3.94	16.96	5.34	13.91	5.61	14.81	4.65	16.98	4.27	14.87	6.30	16.36	4.96	15.39	6.0
5/08/95 6/05/95	14.01 14.10	5.01 4.92	15.07 14.42	3.97 4.62	17.89 17.98	4.03 3.94	17.88 17.38	4.42 4.92	14.29 13.79	5.23 5.73	16.10 15.13	3.36 4.33	16.72 16.77	4.53 4.48	17.12 16.04	4.05 5.13	16.56 16.47	4.76 4.85	16.47 16.56	4.9 4.8
7/21/95	14.10	4.92	14.42	4.02	18.03	3.89	17.36	5.15	13.79	6.21	15.13	4.33	16.48	4.46	16.04	5.13	16.49	4.83	16.50	4.9
8/30/95	14.00	5.02	14.25	4.79	18.05	3.87	17.35	4.95	13.79	5.73	15.44	4.02	16.51	4.74	16.02	5.15	16.35	4.97	16.64	4.8
9/26/95	14.04	4.98	14.09	4.95	18.09	3.83	16.86	5.44	13.65	5.87	15.79	3.67	16.53	4.72	16.91	4.26	16.18	5.14	16.76	4.6
0/23/95 1/27/95	13.91 13.87	5.11 5.15	14.02 14.40	5.02 4.64	18.32 17.71	3.60 4.21	16.43 15.84	5.87 6.46	14.13 13.46	5.39 6.06	15.62 15.50	3.84 3.96	16.45 16.24	4.80 5.01	16.29 14.33	4.88 6.84	16.22 16.11	5.10 5.21	16.14 14.01	5.3 7.4
2/28/95	14.01	5.01	14.12	4.92	18.08	3.84	16.70	5.60	13.40	5.60	15.73	3.73	16.48	4.77	15.50	5.67	16.26	5.06	15.97	5.4
3/13/96	13.81	5.21	13.72	5.32	16.47	5.45	16.42	5.88	12.86	6.66	15.45	4.01	16.02	5.23	14.07	7.10	15.91	5.41	13.01	8.4
5/15/96 8/27/96	13.92	5.10	13.44 13.98	5.60 5.06	17.38 17.62	4.54	16.37 16.98	5.93 5.32	13.68 13.21	5.84 6.31	14.76 14.83	4.70	16.40	4.85 5.07	14.07	7.10 6.79	16.23 16.09	5.09	14.81 15.93	6.6
8/27/96 1/13/96	13.88 13.90	5.14 5.12	13.98 13.56	5.06 5.48	17.62 17.42	4.30 4.50	16.98 15.92	5.32 6.38	13.21 13.38	6.31 6.14	14.83 13.58	4.63 5.88	16.18 16.20	5.07 5.05	14.38 14.25	6.79 6.92	16.09 16.10	5.23 5.22	15.93 15.53	5.5 5.9
/10/19974	13.94	4.34	13.42	4.81	17.40	3.36	16.51	4.49	13.39	5.58	12.91	5.87	16.22	4.43	13.94	6.60	16.12	4.51	15.11	5.6
6/03/97	13.88	4.40	13.82	4.41	17.36	3.40	16.86	4.14	13.42	5.55	13.59	5.19	16.31	4.34	14.01	6.53	16.02	4.61	14.74	5.9
8/10/97 0/14/97	13.88 13.91	4.40 4.37	13.71 13.46	4.52 4.77	17.41 17.44	3.35 3.32	16.68 16.58	4.32 4.42	13.40 13.31	5.57 5.66	13.62 13.45	5.16 5.33	16.28 16.28	4.37 4.37	13.97 13.44	6.57 7.10	16.21 16.07	4.42 4.56	14.68 14.81	6.0 5.9
3/19/98	13.68	4.60	13.46	5.08	16.32	3.32 4.44	16.10	4.42	12.92	6.05	13.45	5.33	15.78	4.87	13.44	6.66	17.40	3.23	10.35	10.3
6/22/98	13.75	4.53	13.82	4.41	17.41	3.35	16.83	4.17	12.81	6.16	13.56	5.22	15.63	5.02	13.98	6.56	16.17	4.46	15.83	4.9
9/03/98	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	4.6
1/16/98 06/10/99	13.66 13.97	4.62 4.31	14.00 13.68	4.23 4.55	17.30 17.95	3.46 2.81	16.79 17.21	4.21 3.79	12.78 13.72	6.19 5.25	13.57 14.93	5.21 3.85	15.65 16.25	5.00 4.40	15.16 16.52	5.38 4.02	16.33 16.07	4.30 4.56	15.68 14.81	5.0 5.9
3/20/00	NM	NM	13.14	5.09	NM	NM	16.70	4.30	NM	NM	13.45	5.33	NM	NM	13.87	6.67	NM	NM	14.25	6.4
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	8.5
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 NN
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	8.5
5/07/02	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	8.7
06/24/02 0/14/02	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	NN 9.8
0/14/02	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
0/20/03	NM	NM	12.01	5.72	NM	NM	15.58	4.92	NM	NM	13.70	4.44	NM	NM	NM	NM	NM	NM	NM	NM
1/05/03	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	14.63	5.23	NM	NM	11.21	8.9
/15/2004 /1/2004	NM 14.25	NM 3.41	12.48 NM	5.25 NM	NM 17.03	NM 3.28	15.15 NM	5.35 NM	NM 13.61	NM 4.75	12.98 NM	5.16 NM	NM 16.12	NM 3.88	13.12 NM	6.74 NM	NM 16.30	NM 3.81	10.03 NM	10.1 NN
0/27/2004	NM	NM	11.93	5.80	NM	NM	15.10	5.40	NM	NM	13.02	5.12	NM	NM	12.93	6.93	NM	NM	11.22	8.9
/11/2005	14.31	3.35	12.02	5.71	17.18	3.13	15.52	4.98	13.80	4.56	13.33	4.81	16.48	3.52	12.81	7.05	16.11	4.00	10.91	9.2
/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	9.5
/14/2007 /26/2007	14.13 NM	3.53 NM	NM 12.53	NM 5.20	17.22 NM	3.09 NM	NM 16.01	NM 4.49	13.68 NM	4.68 NM	NM 13.60	NM 4.54	16.61 NM	3.39 NM	NM 12.56	NM 7.30	15.87 NM	4.24 NM	NM 10.74	NN 9.4
/4/2008	14.12	3.54	12.53 NM	S.20 NM	17.36	2.95	NM	4.49 NM	13.68	4.68	13.60 NM	4.54 NM	16.44	3.56	12.56 NM	NM	15.88	4.23	10.74 NM	9.4 NN
/25/2008	NM	NM	12.62	5.11	NM	NM	15.96	4.54	NM	NM	13.28	4.86	NM	NM	12.52	7.34	NM	NM	10.27	9.8
/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	NN
/10-11/09	NM 12.92	NM 2.94	12.34	5.39	NM 16.92	NM 2.40	15.77	4.73	NM	NM 4.92	13.47	4.67	NM 16.61	NM 3.30	12.38	7.48	NM 15.72	NM 4.29	10.48	9.6
/9/2010 /13/2010	13.82 NM	3.84 NM	NM 13.51	NM 4.22	16.82 NM	3.49 NM	NM 16.26	NM 4.24	13.53 NM	4.83 NM	NM 13.17	NM 4.97	16.61 NM	3.39 NM	NM 14.85	NM 5.01	15.73 NM	4.38 NM	NM 13.85	NN 6.3
/13/2010	13.54	3.71	NM	4.22 NM	17.99	1.93	NM	4.24 NM	13.49	4.30	NM	4.97 NM	16.60	2.80	14.65 NM	NM	16.22	3.42	13.65 NM	NN
0/5/2011	NM	NM	12.57	4.68	NM	NM	15.53	4.56	NM	NM	Dry	Dry	NM	NM	11.51	7.86	NM	NM	13.11	6.4
/18/2012	13.58	3.67	NM	NM	17.90	2.02	NM	NM	13.53	4.26	NM	NM	16.57	2.83	NM	NM	16.18	3.46	NM 10.70	NN
/30/2012 /17/2013	NM 13.97	NM 3.28	Dry NM	Dry NM	NM 17.91	NM 2.01	16.40 NM	3.69 NM	NM 13.75	NM 4.04	Dry NM	Dry NM	NM 16.53	NM 2.87	15.20 NM	4.17 NM	NM 15.84	NM 3.80	10.70 NM	8.8 NN
/17/2013	13.97 NM	NM	Dry	Dry	17.91 NM	NM	16.00	4.09	NM	NM	Dry	Dry	16.53 NM	NM	13.87	5.50	15.64 NM	NM	10.68	8.8
. Depth to . Elevation	eachate co water in fo s refer to	ollection s eet. Syracuse	sump monito	i.	er 2002 refle	ct the 1997 o	survey informa	tion												

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

LCS-1	
DATE	
2/25/1994	
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6/26/2001 0.58 1.64 -1.91 0.58 0.90	
8/29/2001 NM NM NM NM NM	
	l
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 NM	
9/1/2004 0.16 1.62 0.79 1.28 0.43	
10/27/2004 NM NM NM NM NM NM NM NM NM NM NM NM NM	
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	
7/13/2011 0.87 0.66 0.91 0.80 0.51	
6/18/2012 0.83 0.75 0.87 0.83 0.55	
6/17/2013 0.44 0.74 0.65 0.87 0.89	

Notes:

NM = not measured on that date.

- 1. Date of leachate collection sump monitoring.
 2. Data collected from 1997 through December 2002 reflect the 1997 survey information.
 3. Data collected from 2003 through 2010 inclusive reflect the 2004 survey information.
 4. Data collected from 2011 through 2013 inclusive reflect the 2011 survey information.

- 5. 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	2011 RIM
WELL	ELEV	ELEV	ELEV	ELEV ³	ELEV ⁴
MW-1	15.67	-5.96	15.48	15.05	14.63
MW-2	15.46	-6.50	15.01	14.56	14.10
MW-3	16.03	-5.79	15.62	15.14	14.67
MW-4 MVV-5~	15.82	-8.00	15.55	15.20	14.81
IVIVV-5~			17.63	18.12	17.67

- Elevations refer to Syracuse City Datum.
 MW-5 installed May 23, 1997.
- 3. 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		MW-2		MW-3		MW-4		MW-5	
		DEPTH		DEPTH		DEPTH		DEPTH		DEPTH	
		TO	WATER	TO	WATER	то	WATER	TO	WATER	TO	WATER
DATE ¹	DATE	WATER ²	ELEV ³	WATER	ELEV	WATER	ELEV	WATER	ELEV	WATER	ELEV
2/25/1994	2/25/1994	NM	NM	NM	NM	NM	NM	NM	NM		
3/31/1994	3/31/1994	9.87	5.80	9.41	6.05	10.30	5.73	10.42	5.40		
4/28/1994	4/28/1994	11.13	4.54	10.55	4.91	11.04	4.99	11.56	4.26		
5/30/1994	5/30/1994	11.76	3.91	10.71	4.75	10.93	5.10	11.67	4.15		
6/7/1994	6/7/1994	11.57	4.10	11.15	4.31	11.58	4.45	11.73	4.09		
7/12/1994	7/12/1994	11.36	4.31	11.00	4.46	11.57	4.46	11.33	4.49		
8/31/1994	8/31/1994	10.97	4.70	10.60	4.86	11.58	4.45	10.41	5.41		
9/1/1994	9/1/1994	10.97	4.70	10.60	4.86	11.58	4.45	10.41	5.41		
10/11/1994	10/11/1994	11.31	4.36	11.01	4.45	11.91	4.12	10.56	5.26		
11/7/1994	11/7/1994	11.17	4.50	10.54	4.92	11.58	4.45	10.70	5.12		
12/7/1994	12/7/1994	11.18	4.49	9.88	5.58	11.37	4.66	10.46	5.36		
1/13/1995	1/13/1995	10.96	4.71	10.52	4.94	11.41	4.62	10.64	5.18		
2/3/1995	2/3/1995	11.23	4.44	11.02	4.44	11.63	4.40	10.44	5.38		
3/13/1995	3/13/1995	10.93	4.74	10.15	5.31	10.93	5.10	10.28	5.54		
4/19/1995	4/19/1995	11.26	4.41	10.89	4.57	11.41	4.62	10.33	5.49		
5/8/1995	5/8/1995	11.46	4.21	11.21	4.25	11.66	4.37	10.32	5.50		
6/1/1995 7/5/1995	6/1/1995	11.47	4.20	11	4.46	11.86	4.17	10.48	5.34		
8/10/1995	7/5/1995 8/10/1995	11.72 11.81	3.95	11.43 11.54	4.03	12.15 12.3	3.88 3.73	10.56 10.42	5.26 5.40		
9/25/1995		11.78	3.86	11.54	3.92 3.94	12.3	3.73	10.42	5.40		
10/20/1995	9/25/1995 10/20/1995	11.76	3.89 4.22	10.97	3.94 4.49	11.53	4.50	10.46	5.46		
11/17/1995	11/17/1995	11.45	4.22	10.97	4.49	11.48	4.55	10.30	5.43		
12/2/1995	12/2/1995	11.33	4.36	10.85	4.61	11.40	4.62	10.39	5.40		
3/20/1996	3/20/1996	10.62	5.05	9.78	5.68	10.51	5.52	10.42	5.65		
5/8/1996	5/8/1996	10.39	5.28	10.13	5.33	10.59	5.44	9.94	5.88		
8/21/1996	8/21/1996	11.46	4.21	10.9	4.56	11.56	4.47	10.49	5.33		
11/5/1996	11/5/1996	11.29	4.38	10.96	4.50	11.45	4.58	10.33	5.49		
3/10/1997⁴	3/10/1997	10.41	5.07	10.24	4.77	10.64	4.98	10.15	5.40		
6/17/1997	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	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	10/15/1997	10.88	4.60	10.18	4.83	11.05	4.57	10.27	5.28	14.15	3.48
3/16/1998	3/16/1998	10.46	5.02	10.17	4.84	NM	NM	10.1	5.45	13.62	4.01
6/15/1998	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	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	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	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	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	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	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	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	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	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	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	10/31/2007	10.86	4.19	10.38	4.18	9.94	5.20	9.31	5.89	13.48	4.64
10/11/2008	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	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	9/10/2010	10.83	4.22	10.30	4.26	10.50	4.64	10.88	4.32	12.11	6.01
8/23/2011	8/23/2011	10.51	4.12	9.84	4.26	10.32	4.35	9.93	4.88	13.21	4.46
7/24/2012	7/24/2012	11.30	3.33	7.92	6.18	7.97	6.70	9.70	5.11	13.80	3.87
8/21/2013	8/21/2013	10.80	3.83	10.30	3.80	10.70	3.97	10.40	4.41	13.60	4.07

Notes:

NM = not measured on that date.

- 1. Date of monitoring well monitoring.
- 2. Depth to water in feet.
- 3. Elevations refer to Syracuse City Datum.
- Elevation data collected from 1997 through December 2002 reflect the 1997 survey information.
 Elevation data collected from 2003 through 2010 inclusive reflect the 2004 survey information.
- 6. Elevation data collected from 2011 through 2013 inclusive reflect the 2011 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

																					S	amp	le 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	5/31/1995	6/5/1995	10/23/1995	10/31/1995	5/15/1996	5/29/1996	6/3/1997	6/30/1997	6/25/1998	6/10/1999	9/28/1999	8/16/2000	8/29/2000	6/26/2001	6/24/2002	10/15/2002	7/16/2003	10/20/2003	9/1/2004	10/27/2004	7/11/2005	10/31/2005	8/24/2006	8/14/2007	9/26/2007	8/4/2008	8/25/2008	7/10/2009	9/10/2009	9/9/2010	9/13/2010	7/13/2011	10/6/2011	6/18/2012	9/30/2012 ⁵	6/17/2013	9/16/2013 ⁵
Compound	LCS-1	LDS-1	LCS-1	LDS-1	LCS-1		LCS-1	LDS-1	LCS-1	LCS-1	LDS-1	LCS-1	LDS-1	LCS-1	LDS-1	LCS-1	LDS-1	LDS-1	LCS-1	LDS-1	LCS-1	LDS-1	LCS-1	CS-1	LDS-1	LCS-1	LDS-1	LCS-1	LDS-1	LCS-1	LDS-1	LCS-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	LDS-1
Dichlorodifluoromethane	63	-																						- -																						
Chloroethane										-													2	6	- 11					58			238	·		6.6										
Chloromethane					59	93 1 ⁻	100 7	715		-														- -									-													
Vinyl chloride	88	387	918						25	52	450			2	210	;	37	32	2	12	18		16 -	- 2	0 260)	190	44	24	21			168		15	1.4										
Trans-1,2-dichloroethene						- .				-							-				5.6			- -							1	.5	-													
1,1-Dichloroethene		303								-							-							- -									-													
Methylene chloride			41							-		180					-							- -									-													
1,1-Dichloroethane	108		377	810	480 39	90 6	615 1	197	8	8 54	1 90	90	54	160	60	114	58 2	4 13	5 16	0 68	141	32	88 2	1 8	8 220	33	270	190	190	109	96	14 5.	2 135	11	51	17	55	56 6	6.9 8	3.4	11		30		61	1
Chloroform	44									-							-							- -									-													
1,1,1-Trichloroethane	65	310	130	730	325 25	50 1	29 2	286	10	30	70	64	70	21	76	25	29	35	5 12	2	31		12 -	-			11	17					-													
Trichloroethene			36							-				14		6.1	-				22			- -									-	1.5												
Toluene										-									5.5	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
- 5. No sample collected or analyzed since LDS was dry at time of sampling.

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

																				Sar	mple L	ocatio	n and	d Date																			<u> </u>	
	3/31/1994		6/14/1994	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	8/16/2000	6/26/2001	8/30/2001	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	7/13/2011	6/18/2012	9/30/2012	6/17/2013	9/16/2013
Compound	LCS-2	LDS-2*	LCS-2	1 CS-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-Z	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	7-S07	LCS-Z	LCS-2	LDS-2	LCS-2	LDS-2
Dichlorodifluoromethane				.					1																-										1							1		!
Chloromethane				-	- 282	4 177	1160)																	-					.									.		.			
Vinyl chloride	9.7	3	230 98	5					591	1	1200		630	210)	72		160		44	2	5 18	38	73 3	31 -	89		41	25	17 1	84	6.2	2.4	23		6.3			.					
Chloroethane				-																30				63 6	67 -				69	52 -		27	6.9						.					
2-Butanone				-																					-					.									.					
1,1-Dichloroethene				-																					-					.									.		.			
Methylene chloride		/	164	-								200													-					.									.					
1,1-Dichloroethane	23	{	584 44	2 39	8 169	9 230	239	168	156	64		150	120	15	52	71	257	250	186 1	115 2	221 5	95	48	290	2	25 170	140	180	112	50 1	32 5.2	2 34	24	57	18	61	42	6.9 8	3.4 1	16 9.	6 35	5 13	67	15
Chloroform				-																					-					.									.					
1,1,1-Trichloroethane	4.9	^	14 22	25 26	60 11	5 175	125		80	30	30	32	45	7 32	17	7.2	22	10	14		20 -	13			-					_ .									_ .		5.4	1		
Trichloroethene	1.8			-							130			43			20		8.5		14 -				-					.									.		.			
Toluene			68	-																					-					- .									.					
Total Xylenes		_		. .																		.			_ .					_ .									_ .		.		l	

- * = Not Sampled
- 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-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

																				Saı	mple L	_ocati	on an	d Date	ļ																			
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	ာ ကု	LCS-3 10/23/1995	LDS-3 10/31/1995	LCS-3 5/15/1996 LDS-3 5/29/1996) ကု	LDS-3 6/27/1997	LCS-3 6/22/1998	LDS-3 6/24/1998	ကု	LDS-3 9/9/1999	LCS-3 8/16/2000	LDS-3 8/29/2000) ကု	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 //11/2005 LDS-3 10/31/2005	LCS-3 8/24/2006	LDS-3 10/23/2006 LCS-3 8/14/2007	ကု	LCS-3 8/4/2008	LDS-3 8/25/2008	LCS-3 7/10/2009	י מ		LCS-3 7/13/2011	LDS-3 10/5/2011	LCS-3 6/18/2012	30	LCS-3 6/17/2013	LDS-3 9/16/2013 ⁵
Dichlorodifluoromethane										-					-							-															- -							
Chloromethane						1900	113	1900		12	20				-							-															- -							
Chloroethane										-					-							-	- 6	5 73	67	230	66							30	30		- -							
Vinyl chloride	160	243	2477	1220						-	- 920)	62	60	0						71 2	25 5	7 3	3 31			35	69	1	48	2	26 20)	21	12		- -				33			
1,1-Dichloroethene		42.7								-					-							-															- -							
Methylene chloride			180	302						-		380			-							-															- -							
1,1-Dichloroethane	42		202	84	309		286	274	540	70 51	10 63	240	26	160 12	2 13	0 9.8	840		164	2	253 18	88 17	72 17	5 270	150	150	150	210 ′	180 1	03 36	44 6	55 13	4 132	56	26	58 3	4 7.	.5 8.2	37	12	39		32	
Chloroform										-					-					7.0		-															- -							
1,1,1-Trichloroethane	13	20.7	113	62	161		121	273		92 3	4 30	57	11	6.	9 19	9	18		11			-											. <u></u>				- -							
Trichloroethene										-					-		14			8	8.0 -	-											. <u></u>				- -							
Toluene										-					-							-															- -							
Total Xylenes										-					-							-															- -							
Carbon tetrachloride										-					-							-											9.9				- -							
Trans-1,2-Dichloroethene										-					-			30				-											. <u></u>				- -							

- 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
- 5. No sample collected or analyzed since LDS was dry at time of sampling.

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

																				S	ampl	le Loca	ion a	nd Da	te																				
	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	6/16/1006	5/29/1996	6/3/1997	6/27/1997	6/22/1998	6/24/1998	6/10/1999	6661/6/6	8/16/2000	6/26/2001	8/29/2001	6/24/2002	10/14/2002	7/16/2003	9/1/2004	10/28/2004	7/11/2005	10/31/2005	8/24/2006	10/23/2006	8/14/2007	8/4/2008	8/25/2008	7/10/2009	9/11/2009	9/9/2010	9/13/2010	10/5/2011	6/18/2012	9/30/2012	6/17/2013	9/16/2013
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	LC.S.	† CD3-†	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	LDS-4	LCS-4	LCS-4	LDS-4	LCS-4	LDS-4	LCS-4	LDS-4	LDS-4	LCS-4	LDS-4	LCS-4	LDS-4
Dichlorodifluoromethane														. .]
Chloromethane					2100	5081	143	2100			66			-	<u>-</u> -					1	1														.					-		.			
Trans-1,2-dichloroethane														-							8	8.0													-					-		.			
Chloroethane														-						6	35				76	68	32	!		10.5					-	39				-		.			
Vinyl chloride	1330	451	3104	2570						1100			83	30 5	2 76	0	170	70	630	4	16	80 30	150	0 30	86			63		103	129		65	32	16	12			7	'.2 -		33	6.3		
1,1-Dichloroethene		351												-																					-					-		.			
Methylene chloride			223	693								9	93 -	- -																					-					-		.			
1,1-Dichloroethane	510		1302	639	1600	877	362	813	540	430	320	274 2	20 32	20 16	60 28	5 14	6 320		710	178 2	55 2	204 19	3 248	8 175	310	140	35 6.0	180	89	107	110	1	130 1	135 42	2 58	25	56	43	7.6 8	3.8	3 12	2 36	5.9	32 :	22
Chloroform	65													-				8																	-					-		.			
1,1,1-Trichloroethane	70	68.5	191	177	285		130	279		104	49	45 6	60 5	2 1	6 43	3 21	14	18		14 5	.5	34						13							.					-					
Trichloroethene														-				9				17													-					-		.			
Toluene			59											-	<u>-</u> -																				-					-		.			
Bromomethane														-	<u>-</u> -															21.5					-					-		.			
Total Xylenes														. .		.		l 																	.					-		.		,	

- 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

																			Saı	mple	Locati	on an	d Date	е																			
	3/31/1994	6/14/1994	5/27/1994	9/7/1994	8/11/1994	10/13/1994	i ∑	1/17/1995	6/5/1995	6/5/1995	10/31/1995	5/15/1996	5/29/1996	6/3/1997	6/27/1997	6/23/1998	6/10/1999	9/9/1999	8/16/2000	8/29/2000	6/26/2001	6/24/2002	10/15/2002	7/10/2003	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	7/13/2011	10/5/2011	6/18/2012	9/30/2012	9/16/2013
Compound	LCS-5 LDS-5		LDS-5	CS-5	LDS-5	LCS-5 LDS-5	LCS-5	FDS-5		CDS-5		LCS-5	LDS-5	CS-5		LCS-5	LCS-5	LDS-5	LCS-5	LDS-5	LCS-5 LDS-5	LCS-5	LDS-5	LCS-5	FDS-2		- C-	LCC-5	LCS-5	LDS-5	LCS-5	FDS-5	LCS-5	LDS-5	CS-5	LDS-5	CS-5	LDS-5	LCS-5	CDS-5	LCS-5	LCS-5	DS
Dichlorodifluoromethane	26						.			-							-										-																
Chloromethane				2100	45 12	276			20	-							-										-																
Chloroethane										-							-					75			58		3	8			29					37							
Vinyl chloride		1417	7 49				19		9	20 -	- 20		15						24		16	120)		170	55	2	6 15	5	1.5	17		16		8.9	17							
1,1-Dichloroethene	9									-																	-																
Methylene chloride		142	5.1							12	20						- 10)									-																
1,1-Dichloroethane	21	440	23	1600	17 4	95 14	4 58	9.7	120 3	30 23	30 14	270	14	105	16	122 -	- 58	3	336	8.0	305 17	310)	60	180	140 2	70 11	13 15	0 7.2	2 20	24	7	56	17	58	59	6.7	9.4	69		33 7	.9 6	6 6.3
Chloroform							.			-							-										-					1.2											
1,1,1-Trichloroethane		94	3.9	282	1	25	7.9	1.2	26	6	60	28		21		12 -	- 12	2	15								-												5.5				
Trichloroethene			2.3				.		18 4	40 -			1.3			15 -			14								-				5.4	1.1											
Toluene		35					.			-																	-						4.0										
Bromomethane										-							-										2	1															
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

	MW-1	MW-2	MW-3	MW-4	MW-5
	3/31/1994 9/1/1994 10/1/1994 10/1/1994 1/1/3/1995 1/1/3/1995 5/1/3/1995 6/1/3/1995 6/1/3/1995 6/1/3/1997 6/1/3/1/3/1997 6/1/3/1	9471994 9471994 14734995 17374995 67571999 67571999 67571999 86727999 86727999 86727999 87742005 17772002 87772005 97772005	9331/1994 91/1994 1011/1994 11/31/1995 5/31/1995 6/16/1996 6/16/1996 6/16/1998 6/17/1997 6/16/1998 6/17/1997 6/17/19	8/1/1994 1/1/1994 1/1/1994 1/1/1994 1/1/1999 1/1/1999 6/12/1999 6/12/1999 8/17/2002 8/17/2002 8/17/2002 8/17/2002 8/17/2002 8/17/2002 8/17/2002 8/17/2002 8/17/2002 8/17/2002 8/17/2002 8/17/2003	6/17/1997 6/16/1998 6/22/1999 8/3/2000 7/3/12001 7/17/2002 8/3/2004 8/3/2004 6/3/2007 10/11/2008 9/10/2010 8/3/2011
Compound		, , , , , , , , , , , , , , , , , , ,	, , , , , , , , , , , , , , , , , , ,		, , , , , , , , , , , , , , , , , , , ,
Chloromethane	3.3	2.6			
1,1-Dichloroethene	2.4	3.1	- 1.5		
Trans-1,2-dichloroethene		2.1 1.7 2.1 1.5 1.4			1.0
1,1-Dichloroethane	2.0 2.0 1.1 5.5 1.8 1.8 1.7 1.0	1.5			2.3
Chloroform	1.4				
Trichloroethene	7.7 13 15 17 17 11 8.0 7.9 8.5 7.3 7.8 3.9 1.2 7.4 7.3 9.3 12 9.3 11 7.5 7.6 7.0 8.8	2.3 1.1 1.6 1.8 - 2.1 2.0 1.7			2.0 3.5 10
Chlorobenzene					
1,4-Dichlorobenzene				1.5 1.2 1.8 2.0 1.2 1.7 1.4 1.7	1.1
Benzene	4.8		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	5.1		1.9 5.1	1.0
2-Butanone					
Total Xylenes	5.5			4.4 4.9	- 4.9
M&P Xylene					
Vinyl Chloride					

Notes:

- 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
 5. The laboratory detection limits reported for the sample from MW-5 were 10ug/L for vinyl chloride and 15 ug/L for the remaining constituents.

I:\Carousel-Ctr-Co.6443\37514.Containment-Str\4_n&d\LABDATA2013.xls 2/19/2014

CONTAINMENT STRUCTURE SITE #734048 PERIODIC REVIEW REPORT

Appendix E

Health and Safety at

Hazardous Waste
Operations Course
Certification



ENVIRONMENTAL COMPLIANCE MANAGEMENT CORPORATION

December 3, 2013

Destiny USA 9090 Destiny Drive Syracuse NY 13204 via fax & us mail

ECMC

Re: OSHA 8 hour Refresher

To Whom It May Concern:

Roy Flanagan Robert Kennedy Stephen Kennedy,

each attended and successfully completed the above course on November 21, 2013. Certification will be sent out in the near future.

Thanks for choosing ECMC as your training provider. Should you need further information, please give us a call.

Sincerely,

ENVIRONMENTAL COMPLIANCE MANAGEMENT CORP.

Jenniner L. Zapi Administrative Accistan

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

FORM 1

"LEACHATE COLLECTION SUMP FIELD LOG"

OPERATION and MAINTENANCE MANUAL
CONTAINMENT STRUCTURE
CONKLIN LIMITED
SYRACUSE NEW YORK

	DATE 6-	17-13	•	INSPE	CTOR	S. R.FT	AUSGA		
	TIME 070	00		WEATI	HER ,	Plalow	dy 60's	72	
LCS NO	RIM ELEVATION	DEPTH TO WATER (feet)	WATER ELEVATION	QUA	(1) LITY ude un	METER READING nits)	SAMPLE TAKEN (yes) (no)	COMMENTS	
		(1111)		201	Hz	5 02			
LCS 1	17.25	13.97	3.38	a	0	20.5	Yes		
LCS 2	19.92	17.91	2.01	0	0_	10.5	4-5		
LCS 3	17.79	13.75	4.04	0	0	20.5	Yes		
LCS 4	19.40	16.53	2.87	0	9	20.5	Yes		
LCS 5	19.64	15.84	3.80	0	0	20.5	1/25		

COMMENTS.	

(1) INSTRUMENT USED:

STOCKED WHILE SMITCHE FIELD LUG

San	mple Location Leacher Col. We	//	280	Mala Na	
San	npled By R. Flansien		1-17-12	Well No.	
Wea	other Acloudy 60's.	Sampled	with B	ailer	
Α.	WATER TABLE:			±	
	Well depth: (below top of casing) // 4/ ft.	= <u>.</u> .	Well (top	elevation: of casing)	<i>17.25</i> ft
	Depth to water table: (below top of casing) 13.97 ft.	Water	table	elevation:	3,38 ft
	Length of water column (LWC) .44	•	ft.		
	Volume of water in well:				
¥	2" diameter wells = 0.163 4" diameter wells = 0.653 6" diameter wells = 1.469	Y /Luch	_	ga	illons X3
B.	PHYSICAL APPEARANCE AT START:		- <u>-</u> -	(4)	
	Color C/eAv Odor S/	igh T_Na		Turbidity	low
C.	PREPARATION OF WELL FOR SAMPLING:				
•	Amount of water removed before sampl Did well go dry? No	ing	56	2	_gallons.
D.	PHYSICAL APPEARANCE DURING SAMPLING: Color (/ + A + Odor S/19 Was an oil film or layer apparent?	ght. No	Te	urbidity _	low
E.	CONDUCTIVITY 3.72 ms/cm	_		`	
F.	pH6.5/	-			
G.	TEMPERATURE 16.1°C	-		. 💥	•
н.	WELL SAMPLING NOTES:				•
× .					
		•			
164					
15					

STOOTED WATER SMITTERS PIELD LUG

Sai	mple Location Leachale		3.5	11.99	
Sar	mpled By R. Flanson	· Date /	10.11	Mell No	. 2
Wea	ather Phonog 60's.		with	3Time	2100 Pump
A.	WATER TABLE:			•	- ·
	Well depth: (below top of casing) <u>18.65</u> ft.		Well	elevation	, , , , , , , , , , , , , , , , , , ,
	(below top of casing) 12.91 ft.	Water	table	elevation) <u>19.92</u> ft : <u>2.01</u> ft
	Length of water column (LWC)		f+		
	Volume of water in well:		. 1 6.		
	2" diameter wells = 0.163 4" diameter wells = 0.653 6" diameter wells = 1.469	V /11:0\			gallons X 3 gallons gallons
В.	PHYSICAL APPEARANCE AT START:				
	Was an oil film or layer apparent?	ght No		Turbidity	med_
C.	PREPARATION OF WELL FOR SAMPLING:				
-	Amount of water removed before sample Did well go dry?	ing		75	gallons.
D.	PHYSICAL APPEARANCE DURING SAMPLING: Color <u>LI. Orange</u> Odor <u>Slight</u> Was an oil film or layer apparent?	1	7	[urbidity	low
E.	CONDUCTIVITY 4.87 ms/cm				
F.	pH 6.41	_			
G.	TEMPERATURE 16.4°C		23	:	•
н.	WELL SAMPLING NOTES:	. "		•	•
(2)					
				•	
•					

SUPPLIED MAILA SAUFLING PIELU LUG

Sar	mple Location Leachate	•	839	Mall Na	
San	npled By R. Flancicae	Date /	-12-13	Well No.	3.
Wea	other Ploudy 60's.	Sampled	with	Bailer	
A.	WATER TABLE:			•	
	Well depth: (below top of casing) 14.40 ft.		Well (top	elevation:	17.79 ft
	Depth to water table: (below top of casing) 13.75 ft.	Water	table	elevation:	4.04 ft
	Length of water column (LWC)		ft.		
	Volume of water in well:		. 1 kg s		,
	2" diameter wells = 0.163 4" diameter wells = 0.653 6" diameter wells = 1.469	V /11101	-	ga	allons %3
В.	PHYSICAL APPEARANCE AT START:		<u> </u>		
	Was an oil film or layer apparent?	No		Turbidity	low_
C.	PREPARATION OF WELL FOR SAMPLING:				
	Amount of water removed before sample Did well go dry?/o	ing		50	_gallons.
D.	PHYSICAL APPEARANCE DURING SAMPLING: Color Odor Odor Nor Was an oil film or layer apparent?	No	7	Turbidity _	low
Ε.	CONDUCTIVITY 5:11 ms/cm				
F.	pH 6.71				
G.	TEMPERATURE 16.8°C			*	
Н.	WELL SAMPLING NOTES:	***			•
	140				
-					
		·			
		•			
•					. 11
-					

STORED WATER SMITTING FIELD LUG

San	nple Location Leachale			
San	ipled By R. Flancier	Date / 10 12	Well No.	4
Wea	other Plansene 60's	Date <u>G-19-13</u> Sampled with	Bailer	0.700 Pump V
A.	WATER TABLE:			
	Well depth: (below top of casing) 17.40 ft	Well (top	elevation:	10 10
	(below top of casing) 16.53 ft.	Water table	elevation:	19.40 ft 2.87 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) V /IIIc\	ga	llons X3
В.	PHYSICAL APPEARANCE AT START:			
	Was an oil film or layer apparent?	ligh T	Turbidity	Mod_
C.	PREPARATION OF WELL FOR SAMPLING:			•
-	Amount of water removed before samp Did well go dry?	ling	75	gallons.
D.	PHYSICAL APPEARANCE DURING SAMPLING	1T	Turbidity _	low
_	Was an oil film or layer apparent?	No	T.	
E.	CONDUCTIVITY 6.65 ms/cm	_		
F.	pH <u>6.24</u>			
G.	TEMPERATURE 12.10C		;	•
Н.	WELL SAMPLING NOTES:			•
		•		
		•		
•				E 1

THOUSE MAILY SALLFTIA LIFTA FOR

Sample Location Leachete Colo Well	Well No.	<
Sampled By R. Flanagar Date 6-17-13	Time	0.200
Jeather P/Cloudy 60's Sampled with B	ailer	Pump /
	43	
(below top of casing) /6.73 ft. (top)	elevation: of casing)	19.64 5+
Depth to water table: Water table (below top of casing) 15.84 ft.	elevation:	3.80 ft.
Length of water column (LWC)ft.		NGV
Volume of water in well:		
2" diameter wells = 0.163 x (LWC) = 4" diameter wells = 0.653 X (LWC) = 6" diameter wells = 1.469 X (LWC) =	ga	allons X3
- PHYSICAL APPEARANCE AT START:		
Color Clear Odor Slight	Turbidity	1042
Was an oil film or layer apparent?		7,000
PREPARATION OF WELL FOR SAMPLING:		
Amount of water and	50	gallons.
PHYSICAL APPEARANCE DURING SAMPLING.		
	inghá dá tu	1
Was an oil film or layer apparent?	aroldity -	1.0W
CONDUCTIVITY 3.97 ms/cm -	<u> </u>	
. pH 6,83		
TEMPERATURE 12.00	. •	. 8
WELL SAMPLING NOTES:	٠	•
		, <u>, , , , , , , , , , , , , , , , , , </u>
	6	
	25	
lea .	ther P/Cloudy 60's Sampled with B WATER TABLE: Well depth: (below top of casing) 6.23 ft. (top of casing) 6.84 ft. Length to water table: (below top of casing) 6.84 ft. Length of water column (LWC) ft. Volume of water in well: 2" diameter wells = 0.163 x (LWC) = 4" diameter wells = 0.653 x (LWC) = 6" diameter wells = 1.469 x (LWC) = PHYSICAL APPEARANCE AT START: Color 6 Odor 5/cght Was an oil film or layer apparent? PHYSICAL APPEARANCE DURING SAMPLING: Amount of water removed before sampling Did well go dry? No PHYSICAL APPEARANCE DURING SAMPLING: Color 6 Odor 5/cght T Was an oil film or layer apparent? CONDUCTIVITY 3.97 ms/cm - PH 6.83	Well depth: (below top of casing)

.

Appendix G

2012 Laboratory Analytical Results

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

AUT IC		ertified	A E	7280 Ca North Sy	swell St. (Ha. racuse, New	ncock Air Park) York 13212	n-Around	NO: Standard TAT	2U	30 of day	/. 10 w	PA	GE days a	after l	O lab red	F_ceipt.	Samp	oles re	ceive	d a pm are consi	lered
		rvironm rvices,		Phone 3	115-478-2374 -478-2107			next day busin Standard Working Day	_ 5 W	/orki	ing [ays	3		appro 3 W	val ar Orki	nd sur ing [charge Days	es.		
CLIENT NAME:	Amid				CLIENT PHON	E:	FAX:		7	ŽĪ	1										_
ADDRESS:					PROJECT #/NA	ME/PO#:			Containers	321										Remarks	
CONTACT NAME:				· · · · · · · · · · · · · · · · · · ·	1.05	WElls				1/2											
CES LOG NUMBERS	Coll	ected	Madein	Grab or	1	-0-770			월	10											
(INTERNAL USE/DO NOT WRITE)	Date	Time	Matrix	Comp.		CLIENT ID/SA	MPLE LOCATI	ON	Number of	1	2	3	4	5	6	7	8	9	10		
65076H	6-17-13	0800		grah	Well	/ T			2	~	Ł										
765	6+2-13	0800		grah	well	#Z			2	V											
766	6-12-13	0800	<u> </u>	9116	Well	#3			2	2	1										
767	67713	0800	,	grah	Well	Ff y			2	V											
28768 ***********************************	6-17-13	0800		grah	Well	H5			2	V											
6/8/13															\exists						
																				·	
												v							寸		
	-																				
			<u> </u>			·															
Parameter and Method					Samp Type	le bottle:	Preservative Code:	Preservative Codes G=Na ₂ S ₂ O ₃ H=_	s: A= 1	Unpre	eserv	ed B=	=H₂SO I=	4 C	=HCI	D=	NaO	Н Е	=Asc	orbic Acid F=HNC	13
1					Туро	OIZC	Code.	Samples Colle								<u> </u>	Rem	nark	s:		_
2								Name (Print):	0 =	7											
3			-					Name (Print):		<u>AN</u>	<u> </u>	40			_						
4								Company:	40	->- (on	0	for	_	_						
5														T		\pm					_
6								Name: R. F. T.	ISHE n Ac	D B	Y:		Dat		Tim					EIVED BY:	
7									1-1	//			16	1	09:5				-	Nortachi	
8								Signature			oyo		1	+		\neg	Sign		e: /-	N.	
9	,,,					2 3		Name: T. No.	51	sec.	41	.	6/18/ 13		1:3:	7	Nam		1	Cramp	
								Signature: Samples Receive	d in.	न्टरात	Con	_			····		Sign			Duna	P
10								Yes			_0,1				F	₹ес∈	eipt ¯	Tem	pera	ture: 10.0 °	0_

REPORT OF ANALYSES

Pyramid Company of Onondaga

9090 Carousel Center Syracuse, NY 13290-

Attn: Mr. Robert Schoeneck

PROJECT NAME: L.C.S.Wells

DATE: 07/05/2013

SAMPLE NUMBER- 650764 SAMPLE ID- Well #1

DATE SAMPLED- 06/17/13

DATE RECEIVED- 06/18/13 SAMPLER- R.Flanagan(Pyramid)
TIME RECEIVED- 1135 DELIVERED BY- Paul Marzocchi

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

Page 1 of 2

		ANALYSIS		
ANALYSIS	METHOD	DATE TI	ME BY	RESULT UNITS
		0.5.14.0.14.0		10.0
Sample Receipt Temperature		06/18/13	KC	10.0 Degrees C
Sample Receipt Temperature		06/18/13	KC	Sample Rec.On Ice
EPA 624 Volatiles	EPA 624	06/21/13	LSL	
Chloromethane	EPA 624	06/21/13	LSL	< 5.0 ug/L
Vinyl Chloride	EPA 624	06/21/13	LSL	< 5.0 ug/L
Bromomethane	EPA 624	06/21/13	LSL	< 5.0 ug/L
Chloroethane	EPA 624	06/21/13	LSL	< 5.0 ug/L
Trichlorofluoromethane	EPA 624	06/21/13	LSL	< 5.0 ug/L
1,1-Dichloroethene	EPA 624	06/21/13	LSL	< 5.0 ug/L
Methylene Chloride	EPA 624	06/21/13	LSL	< 5.0 ug/L
trans-1,2-Dichloroethene	EPA 624	06/21/13	LSL	< 5.0 ug/L
1,1-Dichloroethane	EPA 624	06/21/13	LSL	61 ug/L
Chloroform	EPA 624	06/21/13	LSL	< 5.0 ug/L
1,1,1-Trichloroethane	EPA 624	06/21/13	LSL	< 5.0 ug/L
Carbon Tetrachloride	EPA 624	06/21/13	LSL	< 5.0 ug/L
1,2-Dichloroethane	EPA 624	06/21/13	LSL	< 5.0 ug/L
Benzene	EPA 624	06/21/13	LSL	< 5.0 ug/L
Trichloroethene	EPA 624	06/21/13	LSL	< 5.0 ug/L
1,2-Dichloropropane	EPA 624	06/21/13	LSL	< 5.0 ug/L

Page 2 of 2

CONTINUATION OF DATA FOR SAMPLE NUMBER 650764

		ANALYSIS		
ANALYSIS	METHOD	DATE TIME	BY	RESULT UNITS
Bromodichloromethane	EPA 624	06/21/13	LSL	< 5.0 ug/L
2-Chloroethylvinyl Ether	EPA 624	06/21/13	LSL	< 5.0 ug/L
cis-1,3-Dichloropropene	EPA 624	06/21/13	LSL	< 5.0 ug/L
Toluene	EPA 624	06/21/13	LSL	< 5.0 ug/L
trans-1,3-Dichloropropene	EPA 624	06/21/13	LSL	< 5.0 ug/L
1,1,2-Trichloroethane	EPA 624	06/21/13	LSL	< 5.0 ug/L
Tetrachloroethene	EPA 624	06/21/13	LSL	< 5.0 ug/L
Dibromochloromethane	EPA 624	06/21/13	LSL	< 5.0 ug/L
Chlorobenzene	EPA 624	06/21/13	LSL	< 5.0 ug/L
Ethylbenzene	EPA 624	06/21/13	LSL	< 5.0 ug/L
m & p-Xylene	EPA 624	06/21/13	LSL	< 5.0 ug/L
o-Xylene	EPA 624	06/21/13	LSL	< 5.0 ug/L
Bromoform	EPA 624	06/21/13	LSL	< 5.0 ug/L
1,1,2,2-Tetrachloroethane	EPA 624	06/21/13	LSL	< 5.0 ug/L
1,3-Dichlorobenzene	EPA 624	06/21/13	LSL	< 5.0 ug/L
1,4-Dichlorobenzene	EPA 624	06/21/13	LSL	< 5.0 ug/L
1,2-Dichlorobenzene	EPA 624	06/21/13	LSL	< 5.0 ug/L

Note: Analysis performed by ELAP #10248.

NYSDOH LAB ID NO. 11246 APPROVED BY: Rachel 3 Bonzut (Terms and Conditions on Reverse Side)

Rachel R. Bonczyk Technical Director

REPORT OF ANALYSES

Pyramid Company of Onondaga 9090 Carousel Center

Syracuse, NY 13290-

Attn: Mr. Robert Schoeneck

PROJECT NAME: L.C.S.Wells

DATE: 07/05/2013

SAMPLE NUMBER- 650765 SAMPLE ID- Well #2

DATE SAMPLED- 06/17/13

DATE RECEIVED- 06/18/13 SAMPLER- R.Flanagan(Pyramid) TIME RECEIVED- 1135 DELIVERED BY- Paul Marzocchi

SAMPLE MATRIX- WW TIME SAMPLED- 0800 RECEIVED BY- KC

TYPE SAMPLE- Grab

Page 1 of 2

		ANALYSIS		
ANALYSIS	METHOD	DATE T	TIME BY	RESULT UNITS
Sample Receipt Temperature		06/18/13	KC	10.0 Degrees C
Sample Receipt Temperature		06/18/13	KC	Sample Rec.On Ice
EPA 624 Volatiles	EPA 624	06/21/13	LSL	
Chloromethane	EPA 624	06/21/13	LSL	< 5.0 ug/L
Vinyl Chloride	EPA 624	06/21/13	LSL	< 5.0 ug/L
Bromomethane	EPA 624	06/21/13	LSL	< 5.0 ug/L
Chloroethane	EPA 624	06/21/13	LSL	< 5.0 ug/L
Trichlorofluoromethane	EPA 624	06/21/13	LSL	< 5.0 ug/L
1,1-Dichloroethene	EPA 624	06/21/13 .	LSL	< 5.0 ug/L
Methylene Chloride	EPA 624	06/21/13	LSL	< 5.0 ug/L
trans-1,2-Dichloroethene	EPA 624	06/21/13	LSL	< 5.0 ug/L
1,1-Dichloroethane	EPA 624	06/21/13	LSL	67 ug/L
Chloroform ·	EPA 624	06/21/13	LSL	< 5.0 ug/L
1,1,1-Trichloroethane	EPA 624	06/21/13	LSL	< 5.0 ug/L
Carbon Tetrachloride	EPA 624	06/21/13	LSL	< 5.0 ug/L
1,2-Dichloroethane	EPA 624	06/21/13	LSL	< 5.0 ug/L
Benzene	EPA 624	06/21/13	LSL	< 5.0 ug/L
Trichloroethene	EPA 624	06/21/13	LSL	< 5.0 ug/L
1,2-Dichloropropane	EPA 624	06/21/13	LSL	< 5.0 ug/L

Page 2 of 2

CONTINUATION OF DATA FOR SAMPLE NUMBER 650765

ANALYSIS	METHOD	ANALYSIS DATE TIM	E BY	RESULT UNITS
Bromodichloromethane	EPA 624	06/21/13	LSL	< 5.0 ug/L
2-Chloroethylvinyl Ether	EPA 624	06/21/13	LSL	< 5.0 ug/L
cis-1,3-Dichloropropene Toluene	EPA 624	06/21/13	LSL	< 5.0 ug/L
	EPA 624	06/21/13	LSL	< 5.0 ug/L
trans-1,3-Dichloropropene 1,1,2-Trichloroethane	EPA 624	06/21/13	LSL	< 5.0 ug/L
	EPA 624	06/21/13	LSL	< 5.0 ug/L
Tetrachloroethene	EPA 624	06/21/13	LSL	< 5.0 ug/L
Dibromochloromethane	EPA 624	06/21/13	LSL	< 5.0 ug/L
Chlorobenzene	EPA 624	06/21/13	LSL	< 5.0 ug/L
Ethylbenzene	EPA 624	06/21/13		< 5.0 ug/L
m & p-Xylene	EPA 624	06/21/13	LSL	< 5.0 ug/L
o-Xylene	EPA 624	06/21/13		< 5.0 ug/L
Bromoform 1,1,2,2-Tetrachloroethane	EPA 624 EPA 624 EPA 624	06/21/13 06/21/13	LSL	< 5.0 ug/L < 5.0 ug/L
<pre>1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene</pre>	EPA 624	06/21/13	LSL	< 5.0 ug/L
	EPA 624	06/21/13	LSL	< 5.0 ug/L
	EPA 624	06/21/13	LSL	< 5.0 ug/L

Note: Analysis performed by ELAP #10248.

NYSDOH LAB ID NO. 11246 APPROVED BY: Radul Borces (Terms and Conditions on Reverse Side)

Rachel R. Bonczyk Technical Director

REPORT OF ANALYSES

Pyramid Company of Onondaga 9090 Carousel Center

Syracuse, NY 13290-

Attn: Mr. Robert Schoeneck

PROJECT NAME: L.C.S.Wells

DATE: 07/05/2013

SAMPLE NUMBER- 650766 SAMPLE ID- Well #3 DATE SAMPLED- 06/17/13

DATE RECEIVED- 06/18/13 SAMPLER- R.Flanagan(Pyramid) TIME RECEIVED- 1135 DELIVERED BY- Paul Marzocchi

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

Page 1 of 2

METHOD	ANALYSIS DATE	TIME BY	RESULT UNITS
11011100	21112		TESSET SIVETS
	06/18/13	KC	10.0 Degrees C
	06/18/13	KC	Sample Rec.On Ice
EPA 624	06/21/13	LSL	
EPA 624	06/21/13	LSL	< 5.0 ug/L
EPA 624	06/21/13	LSL	< 5.0 ug/L
EPA 624	06/21/13	LSL	< 5.0 ug/L
EPA 624	06/21/13	LSL	< 5.0 ug/L
EPA 624	06/21/13	LSL	< 5.0 ug/L
EPA 624	06/21/13	LSL	< 5.0 ug/L
EPA 624	06/21/13	LSL	< 5.0 ug/L
EPA 624	06/21/13	LSL	< 5.0 ug/L
EPA 624	06/21/13	LSL	32 ug/L
EPA 624	06/21/13	LSL	< 5.0 ug/L
EPA 624	06/21/13	LSL	< 5.0 ug/L
EPA 624	06/21/13	LSL	< 5.0 ug/L
EPA 624	06/21/13	LSL	< 5.0 ug/L
EPA 624	06/21/13	LSL	< 5.0 ug/L
EPA 624	06/21/13	LSL	< 5.0 ug/L
EPA 624	06/21/13	LSL	< 5.0 ug/L
	EPA 624 EPA 624 EPA 624 EPA 624 EPA 624 EPA 624 EPA 624 EPA 624 EPA 624 EPA 624 EPA 624 EPA 624 EPA 624 EPA 624 EPA 624 EPA 624 EPA 624	METHOD DATE 06/18/13 06/18/13 06/18/13 EPA 624 06/21/13	METHOD DATE TIME BY 06/18/13 KC 06/18/13 KC EPA 624 06/21/13 LSL EPA 624 06/21/13 LSL

Page 2 of 2

CONTINUATION OF DATA FOR SAMPLE NUMBER 650766

ANALYSIS	METHOD	ANALYSIS DATE T	TIME BY	RESULT UNITS
Bromodichloromethane	EPA 624	06/21/13	LSL	< 5.0 ug/L
2-Chloroethylvinyl Ether	EPA 624	06/21/13	LSL	< 5.0 ug/L
cis-1,3-Dichloropropene	EPA 624	06/21/13	LSL	< 5.0 ug/L
Toluene	EPA 624	06/21/13	LSL	< 5.0 ug/L
trans-1,3-Dichloropropene	EPA 624	06/21/13	LSL	< 5.0 ug/L
1,1,2-Trichloroethane	EPA 624	06/21/13	LSL	< 5.0 ug/L
Tetrachloroethene	EPA 624	06/21/13	LSL	< 5.0 ug/L
Dibromochloromethane	EPA 624	06/21/13	LSL	< 5.0 ug/L
Chlorobenzene	EPA 624	06/21/13	LSL	< 5.0 ug/L
Ethylbenzene	EPA 624	06/21/13	LSL	< 5.0 ug/L
m & p-Xylene	EPA 624	06/21/13	LSL	< 5.0 ug/L
o-Xylene	EPA 624	06/21/13	LSL	< 5.0 ug/L
Bromoform	EPA 624	06/21/13	LSL	< 5.0 ug/L
1,1,2,2-Tetrachloroethane	EPA 624	06/21/13	LSL	< 5.0 ug/L
1,3-Dichlorobenzene	EPA 624	06/21/13	LSL	< 5.0 ug/L
1,4-Dichlorobenzene	EPA 624	06/21/13	LSL	< 5.0 ug/L
1,2-Dichlorobenzene	EPA 624	06/21/13	LSL	< 5.0 ug/L

Note: Analysis performed by ELAP #10248.

NYSDOH LAB ID NO. 11246 APPROVED BY: Rather & Boncupt (Terms and Conditions on Reverse Side)

Rachel R. Bonczyk Technical Director

REPORT OF ANALYSES

Pyramid Company of Onondaga 9090 Carousel Center

Syracuse, NY 13290-

Attn: Mr. Robert Schoeneck

PROJECT NAME: L.C.S.Wells

DATE: 07/05/2013

SAMPLE NUMBER- 650767 SAMPLE ID- Well #4

DATE SAMPLED- 06/17/13

DATE RECEIVED- 06/18/13 SAMPLER- R.Flanagan(Pyramid)
TIME RECEIVED- 1135 DELIVERED BY- Paul Marzocchi

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

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Page 2 of 2

CONTINUATION OF DATA FOR SAMPLE NUMBER 650767

ANALYSIS	METHOD	ANALYSIS DATE TI	IME BY	RESULT UNITS
Bromodichloromethane 2-Chloroethylvinyl Ether 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	METHOD EPA 624		LSL LSL LSL LSL LSL LSL LSL LSL LSL LSL	RESULT UNITS < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L
1,4-Dichlorobenzene 1,2-Dichlorobenzene	EPA 624 EPA 624	06/21/13 06/21/13	LSL LSL	< 5.0 ug/L < 5.0 ug/L
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Note: Analysis performed by ELAP #10248.

NYSDOH LAB ID NO. 11246 APPROVED BY: Rachel Bonard (Terms and Conditions on Reverse Side)

Rachel R. Bonczyk Technical Director

REPORT OF ANALYSES

Pyramid Company of Onondaga 9090 Carousel Center

Syracuse, NY 13290-

Attn: Mr. Robert Schoeneck

PROJECT NAME: L.C.S.Wells

DATE: 07/05/2013

SAMPLE NUMBER- 650768 SAMPLE ID- Well #5

DATE SAMPLED- 06/17/13

DATE RECEIVED- 06/18/13 SAMPLER- R.Flanagan(Pyramid) TIME RECEIVED- 1135 DELIVERED BY- Paul Marzocchi

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

		ANALYSIS		
ANALYSIS	METHOD	DATE	TIME BY	RESULT UNITS
Sample Receipt Temperature		06/18/13	KC	10.0 Degrees C
Sample Receipt Temperature		06/18/13	KC	Sample Rec.On Ice
EPA 624 Volatiles	EPA 624	06/21/13	LSL	
Chloromethane	EPA 624	06/21/13	LSL	< 5.0 ug/L
Vinyl Chloride	EPA 624	06/21/13	LSL	< 5.0 ug/L
Bromomethane	EPA 624	06/21/13	LSL	< 5.0 ug/L
Chloroethane	EPA 624	06/21/13	LSL	< 5.0 ug/L
Trichlorofluoromethane	EPA 624	06/21/13	LSL	< 5.0 ug/L
1,1-Dichloroethene	EPA 624	06/21/13	LSL	< 5.0 ug/L
Methylene Chloride	EPA 624	06/21/13	LSL	< 5.0 ug/L
trans-1,2-Dichloroethene	EPA 624	06/21/13	LSL	< 5.0 ug/L
1,1-Dichloroethane	EPA 624	06/21/13	LSL	66 ug/L
Chloroform .	EPA 624	06/21/13	LSL	< 5.0 ug/L
1,1,1-Trichloroethane	EPA 624	06/21/13	LSL	< 5.0 ug/L
Carbon Tetrachloride	EPA 624	06/21/13	LSL	< 5.0 ug/L
1,2-Dichloroethane	EPA 624	06/21/13	LSL	< 5.0 ug/L
Benzene	EPA 624	06/21/13	LSL	< 5.0 ug/L
Trichloroethene	EPA 624	06/21/13	LSL	< 5.0 ug/L
1,2-Dichloropropane	EPA 624	06/21/13	LSL	< 5.0 ug/L

Page 2 of 2

CONTINUATION OF DATA FOR SAMPLE NUMBER 650768

		ANALYSIS		
ANALYSIS	METHOD	DATE TI	ME BY	RESULT UNITS
Bromodichloromethane	EPA 624	06/21/13	LSL	< 5.0 ug/L
2-Chloroethylvinyl Ether	EPA 624	06/21/13	LSL	< 5.0 ug/L
cis-1,3-Dichloropropene	EPA 624	06/21/13	LSL	< 5.0 ug/L
Toluene	EPA 624	06/21/13	LSL	< 5.0 ug/L
trans-1,3-Dichloropropene	EPA 624	06/21/13	LSL	< 5.0 ug/L
1,1,2-Trichloroethane	EPA 624	06/21/13	LSL	< 5.0 ug/L
Tetrachloroethene	EPA 624	06/21/13	LSL	< 5.0 ug/L
Dibromochloromethane	EPA 624	06/21/13	LSL	< 5.0 ug/L
Chlorobenzene	EPA 624	06/21/13	LSL	< 5.0 ug/L
Ethylbenzene	EPA 624	06/21/13	LSL	< 5.0 ug/L
m & p-Xylene	EPA 624	06/21/13	LSL	< 5.0 ug/L
o-Xylene	EPA 624	06/21/13	LSL	< 5.0 ug/L
Bromoform	EPA 624	06/21/13	LSL	< 5.0 ug/L
1,1,2,2-Tetrachloroethane	EPA 624	06/21/13	LSL	< 5.0 ug/L
1,3-Dichlorobenzene	EPA 624	06/21/13	LSL	< 5.0 ug/L
1,4-Dichlorobenzene	EPA 624	06/21/13	LSL	< 5.0 ug/L
1,2-Dichlorobenzene	EPA 624	06/21/13	LSL	< 5.0 ug/L

Note: Analysis performed by ELAP #10248.

NYSDOH LAB ID NO. 11246 APPROVED BY: Rachel & Bonzyt (Terms and Conditions on Reverse Side)

Rachel R. Bonczyk Technical Director

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REPORT OF ANALYSES

Pyramid Company of Onondaga

9090 Carousel Center

Syracuse, NY 13290-

Attn: Mr. Robert Schoeneck

PROJECT NAME: Leachate LD Wells

DATE: 09/24/2013

SAMPLE NUMBER- 656574 SAMPLE ID- Well #2

DATE SAMPLED- 09/16/13

DATE RECEIVED- 09/17/13 SAMPLER- R.Flanagan(Pyramid) TIME RECEIVED- 1350 DELIVERED BY- Paul Marzocchi

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

ANALYSIS METHOD DATE TIME BY RESULT UNITS Sample Receipt Temperature 09/17/13 KC 3.0 Degrees C EPA 624 Volatiles EPA 624 09/18/13 RRB Dichlorodifluoromethane EPA 624 09/18/13 RRB < 5.0 ug/L Chloromethane EPA 624 09/18/13 RRB < 5.0 ug/L Vinyl Chloride EPA 624 09/18/13 RRB < 5.0 ug/L Bromomethane EPA 624 09/18/13 RRB < 5.0 ug/L Chloroethane EPA 624 09/18/13 RRB < 5.0 ug/L Chlorofluoromethane EPA 624 09/18/13 RRB < 5.0 ug/L Trichloroethene EPA 624 09/18/13 RRB < 5.0 ug/L Methylene Chloride EPA 624 09/18/13 RRB < 5.0 ug/L trans-1,2-Dichloroethane EPA 624 09/18/13 RRB < 5.0 ug/L Chloroform EPA 624 09/18/13 RRB < 5.0 ug/L Chloroform EPA 624 09/18/13 <th></th> <th></th> <th>ANALYSIS</th> <th></th> <th></th>			ANALYSIS		
EPA 624 Volatiles EPA 624 09/18/13 RRB Dichlorodifluoromethane EPA 624 09/18/13 RRB < 5.0 ug/L	ANALYSIS	METHOD	DATE	TIME BY	RESULT UNITS
EPA 624 Volatiles EPA 624 09/18/13 RRB Dichlorodifluoromethane EPA 624 09/18/13 RRB < 5.0 ug/L					
Dichlorodifluoromethane EPA 624 09/18/13 RRB < 5.0 ug/L Chloromethane EPA 624 09/18/13 RRB < 5.0 ug/L	Sample Receipt Temperature		09/17/13	KC	3.0 Degrees C
Chloromethane EPA 624 09/18/13 RRB < 5.0 ug/L Vinyl Chloride EPA 624 09/18/13 RRB < 5.0 ug/L	EPA 624 Volatiles	EPA 624	09/18/13	RRB	
Vinyl Chloride EPA 624 09/18/13 RRB < 5.0 ug/L Bromomethane EPA 624 09/18/13 RRB < 5.0 ug/L	Dichlorodifluoromethane	EPA 624	09/18/13	RRB	< 5.0 ug/L
Bromomethane EPA 624 09/18/13 RRB < 5.0 ug/L Chloroethane EPA 624 09/18/13 RRB < 5.0 ug/L	Chloromethane	EPA 624	09/18/13	RRB	< 5.0 ug/L
Chloroethane EPA 624 09/18/13 RRB < 5.0 ug/L Trichlorofluoromethane EPA 624 09/18/13 RRB < 5.0 ug/L	Vinyl Chloride	EPA 624	09/18/13	RRB	< 5.0 ug/L
Trichlorofluoromethane	Bromomethane	EPA 624	09/18/13	RRB	< 5.0 ug/L
1,1-Dichloroethene EPA 624 09/18/13 RRB < 5.0 ug/L	Chloroethane	EPA 624	09/18/13	RRB	< 5.0 ug/L
Methylene Chloride EPA 624 09/18/13 RRB < 5.0 ug/L	Trichlorofluoromethane	EPA 624	09/18/13	RRB	< 5.0 ug/L
trans-1,2-Dichloroethene EPA 624 09/18/13 RRB < 5.0 ug/L	1,1-Dichloroethene	EPA 624	09/18/13	RRB	< 5.0 ug/L
1,1-Dichloroethane EPA 624 09/18/13 RRB 15 ug/L Chloroform EPA 624 09/18/13 RRB < 5.0 ug/L	Methylene Chloride	EPA 624	09/18/13	RRB	< 5.0 ug/L
Chloroform EPA 624 09/18/13 RRB < 5.0 ug/L	trans-1,2-Dichloroethene	EPA 624	09/18/13	RRB	< 5.0 ug/L
1,1,1-Trichloroethane EPA 624 09/18/13 RRB < 5.0 ug/L	1,1-Dichloroethane	EPA 624	09/18/13	RRB	15 ug/L
Carbon Tetrachloride EPA 624 09/18/13 RRB < 5.0 ug/L 1,2-Dichloroethane EPA 624 09/18/13 RRB < 5.0 ug/L	Chloroform	EPA 624	09/18/13	RRB	< 5.0 ug/L
1,2-Dichloroethane EPA 624 09/18/13 RRB < 5.0 ug/L	1,1,1-Trichloroethane	EPA 624	09/18/13	RRB	< 5.0 ug/L
Benzene EPA 624 09/18/13 RRB < 5.0 ug/L	Carbon Tetrachloride	EPA 624	09/18/13	RRB	
Trichloroethene EPA 624 09/18/13 RRB < 5.0 ug/L 1,2-Dichloropropane EPA 624 09/18/13 RRB < 5.0 ug/L	1,2-Dichloroethane	EPA 624	09/18/13	RRB	< 5.0 ug/L
1,2-Dichloropropane EPA 624 09/18/13 RRB < 5.0 ug/L	Benzene	EPA 624	09/18/13	RRB	< 5.0 ug/L
	Trichloroethene	EPA 624	09/18/13	RRB	
	1,2-Dichloropropane	EPA 624	09/18/13	RRB	
Bromodichloromethane EPA 624 $09/18/13$ RRB < 5.0 ug/L	Bromodichloromethane	EPA 624	09/18/13	RRB	< 5.0 ug/L

Page 2 of 2

CONTINUATION OF DATA FOR SAMPLE NUMBER 656574

		ANALYSIS		
ANALYSIS	METHOD	DATE T	IME BY	RESULT UNITS
2-Chloroethylvinyl Ether	EPA 624	09/18/13	RRB	< 5.0 ug/L
cis-1,3-Dichloropropene	EPA 624	09/18/13	RRB	< 5.0 ug/L
Toluene	EPA 624	09/18/13	RRB	< 5.0 ug/L
trans-1,3-Dichloropropene	EPA 624	09/18/13	RRB	< 5.0 ug/L
1,1,2-Trichloroethane	EPA 624	09/18/13	RRB	< 5.0 ug/L
Tetrachloroethene	EPA 624	09/18/13	RRB	< 5.0 ug/L
Dibromochloromethane	EPA 624	09/18/13	RRB	< 5.0 ug/L
Chlorobenzene	EPA 624	09/18/13	RRB	< 5.0 ug/L
Ethylbenzene	EPA 624	09/18/13	RRB	< 5.0 ug/L
m & p-Xylene	EPA 624	09/18/13	RRB	< 5.0 ug/L
o-Xylene	EPA 624	09/18/13	RRB	< 5.0 ug/L
Bromoform	EPA 624	09/18/13	RRB	< 5.0 ug/L
1,1,2,2-Tetrachloroethane	EPA 624	09/18/13	RRB	< 5.0 ug/L
1,3-Dichlorobenzene	EPA 624	09/18/13	RRB	< 5.0 ug/L
1,4-Dichlorobenzene	EPA 624	09/18/13	RRB	< 5.0 ug/L
1,2-Dichlorobenzene	EPA 624	09/18/13	RRB	< 5.0 ug/L

Surrogate Recovery:

1,2-Dichloroethane-d4 (76-138) - 104 % REC Toluene-d8 (78-122) - 96 % REC 4-Bromofluorobenzene (86-141) - 103 % REC

NYSDOH LAB ID NO. 11246

APPROVED BY:

(Terms and Conditions on Reverse Side)

Barbara L. DuChene Laboratory Manager

REPORT OF ANALYSES

Pyramid Company of Onondaga

9090 Carousel Center Syracuse, NY 13290-

Attn: Mr. Robert Schoeneck

PROJECT NAME: Leachate LD Wells

DATE: 09/24/2013

SAMPLE NUMBER- 656575 SAMPLE ID- Well #4

DATE SAMPLED- 09/16/13

DATE RECEIVED- 09/17/13 SAMPLER- R.Flanagan(Pyramid)

TIME RECEIVED- 1350 DELIVERED BY- Paul Marzocchi

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SAMPLE MATRIX- WW TIME SAMPLED- 0700

RECEIVED BY- KC TYPE SAMPLE- Grab

ANALYSIS	METHOD	ANALYSIS DATE TIME	BY	RESULT UNITS
	110111100	2111		
Sample Receipt Temperature		09/17/13	KC	3.0 Degrees C
EPA 624 Volatiles	EPA 624	09/18/13	RRB	
Dichlorodifluoromethane	EPA 624	09/18/13	RRB	< 5.0 ug/L
Chloromethane	EPA 624	09/18/13	RRB	< 5.0 ug/L
Vinyl Chloride	EPA 624	09/18/13	RRB	< 5.0 ug/L
Bromomethane	EPA 624	09/18/13	RRB	< 5.0 ug/L
Chloroethane	EPA 624	09/18/13	RRB	< 5.0 ug/L
Trichlorofluoromethane	EPA 624	09/18/13	RRB	< 5.0 ug/L
1,1-Dichloroethene	EPA 624	09/18/13	RRB	< 5.0 ug/L
Methylene Chloride	EPA 624	09/18/13	RRB	< 5.0 ug/L
trans-1,2-Dichloroethene	EPA 624	09/18/13	RRB	< 5.0 ug/L
1,1-Dichloroethane	EPA 624	09/18/13	RRB	22 ug/L
Chloroform	EPA 624	09/18/13	RRB	< 5.0 ug/L
1,1,1-Trichloroethane	EPA 624	09/18/13	RRB	< 5.0 ug/L
Carbon Tetrachloride	EPA 624	09/18/13	RRB	< 5.0 ug/L
1,2-Dichloroethane	EPA 624	09/18/13	RRB	< 5.0 ug/L
Benzene	EPA 624	09/18/13	RRB	< 5.0 ug/L
Trichloroethene	EPA 624	09/18/13	RRB	< 5.0 ug/L
1,2-Dichloropropane	EPA 624	09/18/13	RRB	< 5.0 ug/L
Bromodichloromethane	EPA 624	09/18/13	RRB	< 5.0 ug/L

Page 2 of 2

CONTINUATION OF DATA FOR SAMPLE NUMBER 656575

ANALYSIS	METHOD	ANALYSIS DATE TI	ME BY	RESULT UNITS
2-Chloroethylvinyl Ether	EPA 624	09/18/13	RRB	< 5.0 ug/L
cis-1,3-Dichloropropene	EPA 624	09/18/13	RRB	< 5.0 ug/L
Toluene	EPA 624	09/18/13	RRB	< 5.0 ug/L
trans-1,3-Dichloropropene	EPA 624	09/18/13	RRB	< 5.0 ug/L
1,1,2-Trichloroethane	EPA 624	09/18/13	RRB	< 5.0 ug/L
Tetrachloroethene	EPA 624	09/18/13	RRB	< 5.0 ug/L
Dibromochloromethane	EPA 624	09/18/13	RRB	< 5.0 ug/L
Chlorobenzene	EPA 624	09/18/13	RRB	< 5.0 ug/L
Ethylbenzene	EPA 624	09/18/13	RRB	< 5.0 ug/L
m & p-Xylene	EPA 624	09/18/13	RRB	< 5.0 ug/L
o-Xylene	EPA 624	09/18/13	RRB	< 5.0 ug/L
Bromoform	EPA 624	09/18/13	RRB	< 5.0 ug/L
1,1,2,2-Tetrachloroethane	EPA 624	09/18/13	RRB	< 5.0 ug/L
1,3-Dichlorobenzene	EPA 624	09/18/13	RRB	< 5.0 ug/L
1,4-Dichlorobenzene	EPA 624	09/18/13	RRB	< 5.0 ug/L
1,2-Dichlorobenzene	EPA 624	09/18/13	RRB	< 5.0 ug/L

Surrogate Recovery:

1,2-Dichloroethane-d4 (76-138) - 109 % REC Toluene-d8 (78-122) - 97 % REC 4-Bromofluorobenzene (86-141) - 107 % REC

NYSDOH LAB ID NO. 11246

APPROVED BY:

(Terms and Conditions on Reverse Side)

Barbara L. DuChene Laboratory Manager

REPORT OF ANALYSES

Pyramid Company of Onondaga

9090 Carousel Center

Syracuse, NY 13290-

Attn: Mr. Robert Schoeneck

PROJECT NAME: Leachate LD Wells

DATE: 09/24/2013

SAMPLE NUMBER- 656576 SAMPLE ID- Well #5

DATE SAMPLED- 09/16/13

DATE RECEIVED- 09/17/13 SAMPLER- R.Flanagan(Pyramid)

TIME RECEIVED- 1350 DELIVERED BY- Paul Marzocchi

7 N T T T C T C

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

ANALYSIS	MET	HOD	ANALYSIS DATE	TIME	BY :	RE:	SULT	UNITS	
Sample Receipt Temperature			09/17/13		KC		3.0	Degrees	С
EPA 624 Volatiles	EPA	624	09/18/13		RRB				
Dichlorodifluoromethane	EPA	624	09/18/13		RRB	<	5.0	ug/L	
Chloromethane	EPA	624	09/18/13		RRB	<	5.0	ug/L	
Vinyl Chloride	EPA	624	09/18/13		RRB	<	5.0	ug/L	
Bromomethane	EPA	624	09/18/13		RRB	<	5.0	ug/L	
Chloroethane	EPA	624	09/18/13		RRB	<	5.0	ug/L	
Trichlorofluoromethane	EPA	624	09/18/13		RRB	<	5.0	ug/L	
1,1-Dichloroethene	EPA	624	09/18/13		RRB	<	5.0	ug/L	
Methylene Chloride	EPA	624	09/18/13		RRB	<	5.0	ug/L	
trans-1,2-Dichloroethene	EPA	624	09/18/13		RRB	<	5.0	ug/L	
1,1-Dichloroethane	EPA	624	09/18/13		RRB		6.3	ug/L	
Chloroform	EPA	624	09/18/13		RRB	<	5.0	ug/L	
1,1,1-Trichloroethane	EPA	624	09/18/13		RRB	<	5.0	ug/L	
Carbon Tetrachloride	EPA	624	09/18/13		RRB	<	5.0	ug/L	
1,2-Dichloroethane	EPA	624	09/18/13		RRB	<	5.0	ug/L	
Benzene	EPA	624	09/18/13		RRB	<	5.0	ug/L	
Trichloroethene	EPA	624	09/18/13		RRB	<	5.0	ug/L	
1,2-Dichloropropane	EPA	624	09/18/13		RRB	<	5.0	ug/L	
Bromodichloromethane	EPA	624	09/18/13		RRB	<	5.0	ug/L	

Page 2 of 2

CONTINUATION OF DATA FOR SAMPLE NUMBER 656576

		ANALYSIS		
ANALYSIS	METHOD	DATE TIME	E BY	RESULT UNITS
2-Chloroethylvinyl Ether	EPA 624	09/18/13	RRB	< 5.0 ug/L
cis-1,3-Dichloropropene	EPA 624	09/18/13	RRB	< 5.0 ug/L
Toluene	EPA 624	09/18/13	RRB	< 5.0 ug/L
trans-1,3-Dichloropropene	EPA 624	09/18/13	RRB	< 5.0 ug/L
1,1,2-Trichloroethane	EPA 624	09/18/13	RRB	< 5.0 ug/L
Tetrachloroethene	EPA 624	09/18/13	RRB	< 5.0 ug/L
Dibromochloromethane	EPA 624	09/18/13	RRB	< 5.0 ug/L
Chlorobenzene	EPA 624	09/18/13	RRB	< 5.0 ug/L
Ethylbenzene	EPA 624	09/18/13	RRB	< 5.0 ug/L
m & p-Xylene	EPA 624	09/18/13	RRB	< 5.0 ug/L
o-Xylene	EPA 624	09/18/13	RRB	< 5.0 ug/L
Bromoform	EPA 624	09/18/13	RRB	< 5.0 ug/L
1,1,2,2-Tetrachloroethane	EPA 624	09/18/13	RRB	< 5.0 ug/L
1,3-Dichlorobenzene	EPA 624	09/18/13	RRB	< 5.0 ug/L
1,4-Dichlorobenzene	EPA 624	09/18/13	RRB	< 5.0 ug/L
1,2-Dichlorobenzene	EPA 624	09/18/13	RRB	< 5.0 ug/L

Surrogate Recovery:

1,2-Dichloroethane-d4 (76-138) - 108 % REC Toluene-d8 (78-122) - 96 % REC 4-Bromofluorobenzene (86-141) - 107 % REC

NYSDOH LAB ID NO. 11246

APPROVED BY:

(Terms and Conditions on Reverse Side)

Barbara L. DuChene Laboratory Manager

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REPORT OF ANALYSES

Pyramid Company of Onondaga 9090 Carousel Center Syracuse, NY 13290PROJECT NAME: Leachate Monitoring Wells

DATE: 09/06/2013

Attn: Mr. Robert Schoeneck

SAMPLE NUMBER- 655030 SAMPLE ID- Well #1

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

DATE SAMPLED- 08/21/13
DATE RECEIVED- 08/22/13 SAMPLER- R.Flanagan(Pyramid)
TIME RECEIVED- 1340 DELIVERED BY- Paul Marzocchi DELIVERED BY- Paul Marzocchi

ANALYSIS	METHOD	ANALYSIS DATE T	CIME 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	08/22/13 09/03/13 09/03/13 09/03/13 09/03/13 09/03/13 09/03/13 09/03/13 09/03/13 09/03/13 09/03/13 09/03/13 09/03/13 09/03/13 09/03/13 09/03/13 09/03/13 09/03/13 09/03/13 09/03/13	KC RRB RRB RRB RRB RRB RRB RRB RRB RRB RR	5.2 Degrees C < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L
DIOOdIoIIIOIOCellane	EPA 624	02,03/13	RRB	< 5.0 ug/L

Page 2 of 2

CONTINUATION OF DATA FOR SAMPLE NUMBER 655030

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	09/03/13 09/03/13 09/03/13 09/03/13 09/03/13 09/03/13 09/03/13 09/03/13 09/03/13 09/03/13 09/03/13 09/03/13 09/03/13	R R R R R R R R R R R R R R R R R R R	RB RB RB RB RB RB RB RB RB RB RB RB RB R	<pre></pre>	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L

(S) – No spike recovery. Result may be biased low.

Surrogate Recovery:

1,2-Dichloroethane-d4 (76-138) - 96 % REC Toluene-d8 (78-122) - 100 % REC 4-Bromofluorobenzene (86-141) - 100 % REC

NYSDOH LAB ID NO. 11246

APPROVED BY: Radice & Bancryk
(Terms and Conditions on Reverse Side)

Rachel R. Bonczyk Technical Director



REPORT OF ANALYSES

Pyramid Company of Onondaga 9090 Carousel Center Syracuse, NY 13290-

PROJECT NAME: Leachate Monitoring Wells DATE: 09/06/2013

Attn: Mr. Robert Schoeneck

SAMPLE NUMBER- 655031 SAMPLE ID- Well #2

DATE SAMPLED- 08/21/13
DATE RECEIVED- 08/22/13 SAMPLER- R.Flanagan(Pyramid)
TIME RECEIVED- 1340 DELIVERED BY- Paul Marzocchi DELIVERED BY- Paul Marzocchi

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

ANALYSIS	METHOD	ANALYSIS DATE	TIME BY	RESULT	UNITS	
Sample Receipt Temperature EPA 624 Volatiles	EPA 624	08/22/13 09/03/13	KC RRB	5.2	Degrees	С
Dichlorodifluoromethane Chloromethane	EPA 624 EPA 624	09/03/13	RRB RRB	< 5.0 < 5.0	ug/L	
Vinyl Chloride Bromomethane Chloroethane	EPA 624 EPA 624 EPA 624	09/03/13 09/03/13 09/03/13	RRB RRB RRB	< 5.0 < 5.0 < 5.0	ug/L	
Trichlorofluoromethane 1,1-Dichloroethene	EPA 624 EPA 624	09/03/13 09/03/13	RRB RRB	< 5.0 < 5.0	ug/L ug/L	ę.
Methylene Chloride trans-1,2-Dichloroethene	EPA 624 EPA 624	09/03/13 09/03/13 09/03/13	RRB RRB	< 5.0	ug/L	
1,1-Dichloroethane 2-Butanone (MEK) Chloroform	EPA 624 EPA 624 EPA 624	09/03/13 09/03/13 09/03/13	RRB RRB RRB	< 5.0 < 5.0 < 5.0	ug/L	
1,1,1-Trichloroethane Carbon Tetrachloride	EPA 624 EPA 624	09/03/13 09/03/13	RRB RRB	< 5.0 < 5.0	ug/L	
1,2-Dichloroethane Benzene	EPA 624 EPA 624	09/03/13	RRB RRB	< 5.0 < 5.0	ug/L	
Trichloroethene 1,2-Dichloropropane Bromodichloromethane	EPA 624 EPA 624 EPA 624	09/03/13 09/03/13 09/03/13	RRB RRB RRB	< 5.0 < 5.0 < 5.0	ug/L	
		•			_	

Page 2 of 2

CONTINUATION OF DATA FOR SAMPLE NUMBER 655031

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 EPA 624 EPA 624 EPA 624 EPA 624 EPA 624 EPA 624 EPA 624 EPA 624 EPA 624 EPA 624 EPA 624 EPA 624 EPA 624 EPA 624 EPA 624 EPA 624 EPA 624	09/03/13 09/03/13 09/03/13 09/03/13 09/03/13 09/03/13 09/03/13 09/03/13 09/03/13 09/03/13 09/03/13 09/03/13 09/03/13 09/03/13	RRB RRB RRB RRB RRB RRB RRB RRB RRB RRB	<pre> < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L </pre>

Surrogate Recovery:

1,2-Dichloroethane-d4 (76-138) - 86 % REC Toluene-d8 (78-122) - 98 % REC 4-Bromofluorobenzene (86-141) - 97 % REC

NYSDOH LAB ID NO. 11246

APPROVED BY:

Tache & Boncryk
Cerms and Conditions on Reverse Side)

Rachel R. Bonczyk Technical Director



REPORT OF ANALYSES

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

PROJECT NAME: Leachate Monitoring Wells

DATE: 09/06/2013

SAMPLE NUMBER- 655032 SAMPLE ID- Well #3
DATE SAMPLED- 08/21/13
DATE RECEIVED- 08/22/13 SAMPLER- R.Flanagan(Pyramid)
TIME RECEIVED- 1340 DELIVERED BY- Paul Marzocchi

SAMPLE MATRIX- WW TIME SAMPLED- 0800 RECEIVED BY- KC 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	08/22/13 KC 09/04/13 RRB	<pre>< 5.0 ug/L < 5.0 ug/L</pre>

Page 2 of 2

CONTINUATION OF DATA FOR SAMPLE NUMBER 655032

4-Methyl-2-Pentanone (MIBK) EPA 624 09/04/13 RRB < 5.0 ug/L cis-1,3-Dichloropropene EPA 624 09/04/13 RRB < 5.0 ug/L	LYSIS	METHOD	ANALYSIS DATE	TIME BY	RESULT UNITS
trans-1,3-Dichloropropene EPA 624 09/04/13 RRB < 5.0 ug/L	ethyl-2-Pentanone (MIBK) -1,3-Dichloropropene uene ns-1,3-Dichloropropene ,2-Trichloroethane rachloroethene romochloromethane orobenzene ylbenzene p-Xylene ylene moform ,2,2-Tetrachloroethane -Dichlorobenzene -Dichlorobenzene	EPA 624 EPA 624	09/04/13 09/04/13 09/04/13 09/04/13 09/04/13 09/04/13 09/04/13 09/04/13 09/04/13 09/04/13 09/04/13 09/04/13	RRB RRB RRB RRB RRB RRB RRB RRB RRB RRB	<pre>< 5.0 ug/L < 5.0 ug/L</pre>

Surrogate Recovery:

1,2-Dichloroethane-d4 (76-138) - 86 % REC Toluene-d8 (78-122) - 96 % REC 4-Bromofluorobenzene (86-141) - 98 % REC

NYSDOH LAB ID NO. 11246

APPROVED BY:

(Terms and Conditions of Reverse Side

Rachel R. Bonczyk Technical Director

REPORT OF ANALYSES

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

PROJECT NAME: Leachate Monitoring Wells

DATE: 09/06/2013

SAMPLE NUMBER- 655033 SAMPLE ID- Well #4
DATE SAMPLED- 08/21/13
DATE RECEIVED- 08/22/13 SAMPLER- R.Flanagan(Pyramid)
TIME RECEIVED- 1340 DELIVERED BY- Paul Marzocchi

SAMPLE MATRIX- WW TIME SAMPLED- 0800 RECEIVED BY- KC 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	08/22/13 09/04/13 09/04/13 09/04/13 09/04/13 09/04/13 09/04/13 09/04/13 09/04/13 09/04/13 09/04/13 09/04/13 09/04/13 09/04/13 09/04/13 09/04/13 09/04/13 09/04/13	RRB RRB RRB RRB RRB RRB RRB RRB RRB RRB	5.2 Degrees C < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L

Page 2 of 2

CONTINUATION OF DATA FOR SAMPLE NUMBER 655033

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	09/04/13 09/04/13 09/04/13 09/04/13 09/04/13 09/04/13 09/04/13 09/04/13 09/04/13 09/04/13 09/04/13 09/04/13 09/04/13 09/04/13	RRB RRB RRB RRB RRB RRB RRB RRB RRB RRB	<pre>< 5.0 ug/L < 5.0 ug/L</pre>

Surrogate Recovery:

1,2-Dichloroethane-d4 (76-138) - 76 % REC Toluene-d8 (78-122) - 95 % REC 4-Bromofluorobenzene (86-141) - 93 % REC

NYSDOH LAB ID NO. 11246

APPROVED BY:

(Terms and Conditions on Reverse Side)

Rachel R. Bonczyk Technical Director

REPORT OF ANALYSES

Pyramid Company of Onondaga 9090 Carousel Center Syracuse, NY 13290-

PROJECT NAME: Leachate Monitoring Wells

DATE: 09/06/2013

Attn: Mr. Robert Schoeneck

SAMPLE NUMBER- 655034 SAMPLE ID- Well #5
DATE SAMPLED- 08/21/13
DATE RECEIVED- 08/22/13 SAMPLER- R.Flanagan(Pyramid)
TIME RECEIVED- 1340 DELIVERED BY- Paul Marzocchi

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

ANALYSIS	METHOD	ANALYSIS DATE TI	IME BY	RESULT UNITS
Sample Receipt Temperature EPA 624 Volatiles Dichlorodifluoromethane	EPA 624 EPA 624	08/22/13 09/04/13 09/04/13	KC RRB	5.2 Degrees C
Chloromethane Vinyl Chloride Bromomethane Chloroethane	EPA 624 EPA 624 EPA 624 EPA 624	09/04/13 09/04/13 09/04/13 09/04/13	RRB RRB RRB RRB	< 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L
Trichlorofluoromethane 1,1-Dichloroethene Methylene Chloride	EPA 624 EPA 624 EPA 624	09/04/13 09/04/13 09/04/13	RRB RRB RRB RRB	< 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L
trans-1,2-Dichloroethene 1,1-Dichloroethane 2-Butanone (MEK) Chloroform	EPA 624 EPA 624 EPA 624 EPA 624	09/04/13 09/04/13 09/04/13 09/04/13	RRB RRB RRB RRB	< 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L
1,1,1-Trichloroethane Carbon Tetrachloride 1,2-Dichloroethane Benzene Trichloroethene 1,2-Dichloropropane Bromodichloromethane	EPA 624 EPA 624 EPA 624 EPA 624 EPA 624 EPA 624	09/04/13 09/04/13 09/04/13 09/04/13 09/04/13 09/04/13	RRB RRB RRB RRB RRB RRB RRB	< 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L < 5.0 ug/L

Page 2 of 2

CONTINUATION OF DATA FOR SAMPLE NUMBER 655034

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	09/04/13 09/04/13 09/04/13 09/04/13 09/04/13 09/04/13 09/04/13 09/04/13 09/04/13 09/04/13 09/04/13 09/04/13 09/04/13 09/04/13	RRB RRB RRB RRB RRB RRB RRB RRB RRB RRB	<pre>< 5.0 ug/L < 5.0 ug/L</pre>

Surrogate Recovery:

1,2-Dichloroethane-d4 (76-138) - 81 % REC Toluene-d8 (78-122) - 96 % REC 4-Bromofluorobenzene (86-141) - 94 % REC

NYSDOH LAB ID NO. 11246

APPROVED BY: Rachel & Boncyk
(Terms and Conditions on Reverse Side)

Rachel R. Bonczyk Technical Director

CONTAINMENT STRUCTURE SITE #734048	DEDIADIC DEVIEW DEDAG	7
CONTAINWENT STRUCTURE SITE #/34046	PENIODIC NEVIEW NEPOR	٩Т

Appendix H
Form 2 – Leak Detection
Sump Field Logs

"LEACHATE COLLECTION SUMP FIELD LOG"

OPERATION and MAINTENANCE MANUAL
CONTAINMENT STRUCTURE
CONKLIN LIMITED
SYRACUSE NEW YORK

	DATE 9-/	6-13		INSPECTOR(s)R, Fla	usque/	B. Kennedy
	TIME 07	00		WEATHER	Cloudy	50'5	
LCS NO	RIM	DEPTH TO WATER (feet)	WATER ELEVATION	AIR (1) QUALITY (include un	METER READING its)	SAMPLE TAKEN (yes) (no)	COMMENTS
		(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
1 201 2 D.	17-25					No	well Dry
LD 2 LD bes 3	20.09	16.0	4.09	Lel Hz	S 02 20.3	Y25	200 gal removed
ECS 3	12.63		-			No	Dry
<u> </u>	19.37	13.87	5.50	121 H2S	, Oz 20.3	1/25	150 galremoved went Dry
±€€3 5 ∠ D	19.55	10.68	8.87	A H2S 0 0</td <td>02</td> <td>yes"</td> <td>800 gal removed</td>	02	yes"	800 gal removed
						/	

COMMENTS: Wells # 1 5' # 3 Dry or olugged, We had all wells Vac out

2 years ago, well they had water, but went Dry after about

150 gals

(1) INSTRUMENT USED: RAIT HANNA METER

THE PROPERTY OF THE PARTY LUG

Sar	mple Location Leacher [7]	•		
Sar	mple Location Leacher LD	· Daéo 0 /	Well No.	
Wea	ather Cloudy 505	Sampled	13 Time	0200
		Sampled Mi	th Bailer	Pump
A.	WATER TABLE:		•	
	Well depth: (below top of casing) 15.35 ft. Depth to water table:	We We	ell elevation:	-
	Depth to water table: (below top of casing) ft.	Water tal	ole elevation:	12.25 ft ft
	Length of water column (LWC)	f+	•	
	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) = -	ga	allons X3
B.	PHYSICAL APPEARANCE AT START:	_		
	Color Odor	•	Turbidity	
	Was an oil film or layer apparent?		·	
C.	PREPARATION OF WELL FOR SAMPLING:			
	Amount of water removed before sample	ina		
	Did well go dry?			_ gailons.
D.	PHYSICAL APPEARANCE DURING SAMPLING:	-	9	. 91
	ColorOdor		Turbidity	
	Was an oil film or layer apparent?	0	a.o.a.sy	
E.	CONDUCTIVITY			
F.	рН			
G.	TEMPERATURE	tto -	*	•
H.	WELL SAMPLING NOTES:	- . "		
•	Well Dry		•	
	- WELL NIG			
		•		
•				

SUPPLIE MAILY SWILLTING LIEFT FOR

Sa	nple Location Leaches Te L.D. Well No. 7
Sa	miled Dy 11 M.
We	ther Cloudy 50's - Sampled with Bailer Pump V
A.	WATER TABLE:
	Well depth: (below top of casing) 1986 ft. Well elevation: (top of casing) 2000 ft.
	(below top of casing) /6.0 ft Water table elevation: 4.09 ft
	Length of water column (LWC)ft.
	Volume of water in well:
	2" diameter wells = 0.163 x (LWC) = gallons X 3 4" diameter wells = 0.653 X (LWC) = gallons 6" diameter wells = 1.469 X (LWC) = gallons
B.	PHYSICAL APPEARANCE AT START:
	Color Clear Odor None Turbidity low
	Was an oil film or layer apparent? No
C.	PREPARATION OF WELL FOR SAMPLING:
	Amount of water removed before sampling 100 gallons. Did well go dry? 10
D.	PHYSICAL APPEARANCE DURING SAMPLING: Color Olean Odor Slight Turbidity Ow Was an oil film or layer apparent?
E.	CONDUCTIVITY 9 68
F.	pH _2.62
G.	TEMPERATURE _/5.6
н.	WELL SAMPLING NOTES:

ENGBIND MAILA SMITLING FIELD LUG

Sar	mple Location Aracket 17	•	10	•	
San	nple Location Leachale LD.	Dodo	2	_ Well No.	_3
Wea	ather Cloudy 50's	Date (1-16-1	3 Time	0700
		Samp i e	With	Bailer	Pump _
A.	WATER TABLE:				· - ·
	Well depth: (below top of casing)ft. Depth to water table:		Well	elevation:	***
	(below top of casing) ft.	Water	table '	elevation:	17.63 ft
	Length of water column (LWC)		f+		
	volume of water in well:				
	2" diameter wells = 0.163 4" diameter wells = 0.653 6" diameter wells = 1.469	x (LWC) X (LWC)	=	ga	allons X3
B.	PHYSICAL APPEARANCE AT START: Color Odor Was an oil film or layer apparent?				
C.	PREPARATION OF WELL FOR SAMPLING:	•			•
•	Amount of water removed before sampl Did well go dry?	ing			_gallons.
D	PHYSICAL APPEARANCE DURING SAMPLING: Color Odor Was an oil film or layer apparent?			Turbidity _	
E.	CONDUCTIVITY			<u> </u>	
F.	рН	-			
G.	TEMPERATURE				16
Н.	WELL SAMPLING NOTES:	_ 0			•
	well Dry				
			•		
		· ·		•	
				•	

THE THE PRINCIPLE PRINCIPLE PURCHER PU

San	aple Location Irachale LD. Well No. //
San	ipled By R. Flanciscon Date Communication Well No. 4
Wea	ther Cloudy 50's Sampled with Bailer Pump
Α.	WATER TABLE:
	Well depth: (below top of casing) 18.35 ft. Well elevation: (top of casing) 19.37 ft
	(below top of casing) 13.87 ft Water table elevation: 5.50 ft
	Length of water column (LWC)
	volume of water in well:
	2" diameter wells = 0.163 x (LWC) = gallons X 3 4" diameter wells = 0.653 X (LWC) = gallons gallons 6" diameter wells = 1.469 X (LWC) = gallons
В.	PHYSICAL APPEARANCE AT START: Color
C.	PREPARATION OF WELL FOR SAMPLING:
	Amount of water removed before sampling
D.	PHYSICAL APPEARANCE DURING SAMPLING: Color // Odor Nong Turbidity / Ow Was an oil film or layer apparent?
E.,	CONDUCTIVITY 5,49 ms
F.	pH
G.	TEMPERATURE _15.30
н.	WELL SAMPLING NOTES:
ē.	150 gal removed well went Dry
1	

THE PART OF THE PART LUG

Sam	ple Location Leachate			11 22	
Sam	pled By R. Flansican	Date (3-11	Well No	. 5
Wea	ther Cloudy 50's	Sampled	with	Bailer	Pump
Α.	WATER TABLE:				
	Well depth: (below top of casing) 1766 ft. Depth to water table:		Well	elevation	1: -
	(below top of casing) 10.68 ft.	Water	table	elevation	12.53 ft 1: 8.87 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 /IUcl			gallons 火己 gallons gallons
B.	PHYSICAL APPEARANCE AT START: Color //car Odor S/ Was an oil film or layer apparent?	ight No			
c.	PREPARATION OF WELL FOR SAMPLING:		26.0		•
•	Amount of water removed before sample Did well go dry? No	ling		200	gallons.
D	PHYSICAL APPEARANCE DURING SAMPLING: Color (lxx) Odor S/a Was an oil film or layer apparent?	igh 8	9	Turbidity	low
Ε.	CONDUCTIVITY 2.75 ms 6,82			740	
F.	pH 2.75	-			
G.	TEMPERATURE (6.1		a	*	
н.	WELL SAMPLING NOTES:				• •
ī ·	. 2				
		n É			
		1.	8		
-				•	- 1
	• 4				

CONTAINMENT STRUCTURE SITE #734048 PERIODIC REVIEW REPORT

Appendix I
Form 3 – Groundwater
Monitoring Well Field Logs

OPERATION and MAINTENANCE MANUAL CONTAINMENT STRUCTURE CONKLIN LIMITED SYRACUSE NEW YORK

	DATE 8-	21-13	<u> </u>	INSPECTOR	(S) B. Ke	inedy/R.Flausgam	
	TIME 080	0		WEATHER S	Sunny 70	0'5	
WELL NO	RIM	DEPTH TO WATER (feet)	WATER ELEVATION	DEPTH TO BOTTOM (feet)	SAMPLE TAKEN (yes) (no)	COMMENTS	
<u>MW-1</u>	14.63	10.8	3.83	21.63	Yes		•
MW-2	14.10	10.3	3.80	21.96	Yes	·	
MW-3	14.67	10.1			Ves	-	
MW-4	14.81	10.4	41	23.82	1,47		I.
MW-5	17.67	13.6	4.07	20.00	YES		

CUMI	COMMENTS:						
					19		
	:						
		•					
						100	
			·	•			

STEDENTO WHITE SMITTING FIELD LUG

San	pled By R flance and living Well No.
Sam	ther Sunny 70's B. Kranedy Date 8-21-13 Time 0800
Wea	ther Sunny 70's Sampled with Bailer Pump
	Sampled With Bailer Pump
A.	WATER TABLE:
	Well depth: (below top of casing) 21.63 ft. Well elevation: (top of casing) 14.63 ft.
	(below top of casing) 10.8 ft. Water table elevation: 3.83 ft.
	Length of water column (LWC)
	Volume of water in well:
	2" diameter wells = 0.163 x (LWC) = gallons x 3 6" diameter wells = 1.469 X (LWC) = gallons gallons
В.	PHYSICAL APPEARANCE AT START: Color None Turbidity low Was an oil film or layer apparent? No
C.	PREPARATION OF WELL FOR SAMPLING:
-	Amount of water removed before sampling gallons. Did well go dry?/o
D.	PHYSICAL APPEARANCE DURING SAMPLING: Color Cloudy Odor None Turbidity low Was an oil film or layer apparent?
E.	CONDUCTIVITY
	pH 12,4
G.	TEMPERATURE 11.6°C
	WELL SAMPLING NOTES:
•	
-	
- -	
•	

STORE MAILA SMITLING PIELU LUG

San	nple Location Leacher Te Manife	11-39
San	npled By R. Flanderson B. Kunned C. Date C. 21	Hell No.
Wea	npled By R. Flancene B. Kennedy Date 8-21- 1ther Sunny 20's Sampled with	13 Time 0800
	Sampled Wit	n Bailer Pump
A.	WATER TABLE:	
	Well depth: (below top of casing) 2/.96 ft. Well	ll elevation:
	(below top of casing) /0, 3 ft. Water table	op of casing) 14.10 ft e elevation: 3.80 ft
	Length of water column (LWC)	
	volume of water in well:	;
	2" diameter wells = 0.163 x (LWC) = 4" diameter wells = 0.653 X (LWC) = 6" diameter wells = 1.469 X (LWC) =	gallons X 3 gallons gallons
B.	PHYSICAL APPEARANCE AT START:	garions
	Color C/zar Odor S/1ghT Was an oil film or layer apparent? No	_ Turbidity low
C.	PREPARATION OF WELL FOR SAMPLING:	
•	Amount of water removed before sampling	gallons.
D.	PHYSICAL APPEARANCE DURING SAMPLING: Color Clear Odor Slight Was an oil film or layer apparent? No	Turbidity /ow
E.	CONDUCTIVITY 3.87	
F.	pH 8,23	
G.	TEMPERATURE _20°C	· · · · · ·
н.	WELL SAMPLING NOTES:	
ž.		
		· .
•		
	• 4444	

THE PARTY SATIRLING PIELD LUG

Sar	nple Location Leached's Manifestine
San	npled By R. Flanagar B. Kruncely Date 8-21-13 Time 0800 ather Sunny 70's Sampled with Bailer V Pump
Wea	other Sunny 70's Samuel
	Sampled with Bailer V Pump
A.	WATER TABLE:
	Well depth: (below top of casing) 2182 ft. Well elevation: (top of casing) 1467 ft.
	Depth to water table: (below top of casing) 19.67 ft. (top of casing) 19.67 ft. Water table elevation: 3.97 ft.
	Length of water column (LWC)ft.
	Volume of water in well:
	2" diameter wells = 0.163 x (LWC) = gallons X 3 4" diameter wells = 0.653 X (LWC) = gallons 6" diameter wells = 1.469 X (LWC) = gallons
В.	PHYSICAL APPEARANCE AT START:
	Color (/zar Odor S/ight Turbidity low Was an oil film or layer apparent? No.
C.	PREPARATION OF WELL FOR SAMPLING:
	Amount of water removed before sampling gallons. Did well go dry?
D.	PHYSICAL APPEARANCE DURING SAMPLING: Color Gray Odor Slight Turbidity Mod Was an oil film or layer apparent? No
E.	CONDUCTIVITY 10.15 ms
F.	pH 8,32
G.	TEMPERATURE 19.5°C
Н.	WELL SAMPLING NOTES:
•	

STOOTED MALEN SAUTELING FIELD LUG

Sam	pled By R. Flance and R. Manifering	11 20 20	
Wea	ther Sunny 20's Sampled with	l'ime	0800
	10	baller V	Pump
A.	WATER TABLE:		
	1400	elevation:	11/01
	Depth to water table: (below top of casing) 10.4 ft. Water table	of casing) elevation:	19.87 ft 4.41 ft
	Length of water column (LWC)		= -
	Volume of water in well:		•
	2" diameter wells = 0.163 x (LWC) = 4" diameter wells = 0.653 X (LWC) = 6" diameter wells = 1.469 X (LWC) =	ga ga	llons X3
B.	PHYSICAL APPEARANCE AT START:		
×	Was an oil film or layer apparent? No	Turbidity	low_
C.	PREPARATION OF WELL FOR SAMPLING:		5
-	Amount of water removed before sampling Did well go dry?	3	_gallons.
D	PHYSICAL APPEARANCE DURING SAMPLING:	Turbidity _	low
E.	CONDUCTIVITY 2,46 ms	<u> </u>	
F.	pH 8.35		,
G.	TEMPERATURE 20°C		
	WELL SAMPLING NOTES:		•
-			
7			
-		. ") S
	· · · · · · · · · · · · · · · · · · ·		

STORES MALLY SWILLTED LIFTA FIFTA FOR

San	mple Location Leachale Monitoring		
San	npled By R. Flandene B. Kanada Data &	2/.12 Well	No. 5
Wea	mpled By R. Flandence B. Kennedy Date 5- either Sunny 2015 Sampled	21013	Time 0800
	Sampled	with Bailer	Pump
A.	WATER TABLE:	· ·	• • • • • • • • • • • • • • • • • • •
	Well depth: (below top of casing) 20.00 ft. Depth to water table:	Well elevat	ion:
	(below top of casing) 13.6 ft. Water	table elevat	ion: 4.07 ft
	Length of water column (LWC)	f+	8 11 -
	Volume of water in well:	1 6.	<u></u>
	2" diameter wells = 0.163 x (LWC) = 4" diameter wells = 0.653 X (LWC) = 6" diameter wells = 1.469 X (LWC) =		_ gallons X 3 _ gallons _ gallons
B.	PHYSICAL APPEARANCE AT START:		
	Color Clear Odor Nane Was an oil film or layer apparent? No	Turbid	ity low _
C.	PREPARATION OF WELL FOR SAMPLING:	-	4
•	Amount of water removed before sampling	3	gallons.
D.	PHYSICAL APPEARANCE DURING SAMPLING: Color 1. /e//ow Odor None Was an oil film or layer apparent? No	Turbidi	ty low
E.	CONDUCTIVITY 200 ms -		
F.	pH 2.35		
G	TEMPERATURE 1940 C		•
Н.	WELL SAMPLING NOTES:		•
		<u> </u>	

CONTAINMENT STRUCTURE SITE #734048 PERIODIC REVIEW REPORT

Appendix J
Form 4 – Site Observation
Form

SITE OBSERVATION FORM

OPERATION and MAINTENANCE MANUAL CONTAINMENT STRUCTURE CONKLIN LIMITED SYRACUSE NEW YORK

DATE: <u>8-/2-/3</u> TIME: <u>/000</u>	WEATHER: Sunny 705	_
1.) VISUAL INSPECTION OF PAVEMENT No Cracks or Seperations	/	
•		
2) VICUAL INSPECTION OF LANDSCAPE ADDITION		
2.) VISUAL INSPECTION OF LANDSCAPE AREAS All introd		
3.) MAINTENANCE PERFORMED OVER CONTAINM	ME'NIT A DE A	
Non z	IENI AREA	
4.) COMMENTS		
4.) COMMENTS		

CONTAINMENT STRUCTURE SITE #734048	DEDIANIC DEVIEW DEDADT
CUNTAINIVIENT STRUCTURE SITE #/54046	PERIODIC REVIEW REPORT

Appendix K
Form 5 - Storm Drainage
Facilities Report

STORM DRAINAGE FACILITIES REPORT

FORM 5

OPERATION and MAINTENANCE MANUAL CONTAINMENT STRUCTURE CONKLIN LIMITED SYRACUSE NEW YORK

TIME 0700-1300 WEATHER PSUNNY 70'S

CATCH BASIN NO.	FLOW CONDITION (inches)	DEPTH OF SEDIMENT (inches)	ODORS NOTED (describe)	COMMENTS
63_	13/4	2/2		
64	1.11	2	None	
, 65	3/4"	2.12	Nonz.	
66	1.72"	1/2	None.	
67a	1/2 (1	2 '	None	
67	111	1/2	Nane	
69	1/2!1	121	None	
70			11776	EliminaTed
71	,2 "	2/2	None	A THUTTER TEU
72	14	2	Nenz	·
73	1/2 "	1	NoNe	
7.4	111	2/2	None.	·
75	1"	2	Mone	40 000