2010 PERIODIC REVIEW REPORT
LOVE CANAL SITE

GLENN SPRINGS HOLDINGS, INC.
NIAGARA FALLS, NEW YORK

FEBRUARY 2011
REF. NO. 009954 (18)

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TABLE OF CONTENTS

LIST OF FIGURES
(Following Text)

LIST OF TABLES
(Following Text)

LIST OF APPENDICES

1.0 INTRODUCTION

Operation of the Love Canal Site (Site) was transferred from the New York State Department of Environmental Conservation (NYSDEC) to Occidental Chemical Corporation (OCC) in April 1995. Effective July 1, 1998, Site responsibility was assigned by OCC to Glenn Springs Holdings, Inc. (GSH), an affiliate of Occidental Chemical Corporation. Beginning October 1, 2008, GSH contracted Conestoga-Rovers & Associates (CRA) to perform operation, maintenance, monitoring, and reporting activities for the Site under direct management of GSH.

This report is the sixteenth annual report prepared by or on behalf of OCC and covers operating, maintenance, and monitoring activities for 2010. The completed Institutional and Engineering Controls Certification Form is included as Appendix A.

2.0 REMEDIAL SYSTEMS

Operation of remedial systems to prevent the off-Site migration of chemical contaminants from the Site began in October 1978 with the installation of a barrier drain along the east and west sides of the south section of the Canal. The barrier drain was later extended to completely encompass the Canal. The barrier drain, designed to intercept the shallow lateral groundwater flow, consists of a trench 15 to 25 feet deep and 4 feet wide. Installed within the trench is an 8-inch diameter perforated clay tile drain centered in 2 feet of uniformly sized gravel which is overlain to the surface with sand. Lateral trenches filled with sand were excavated perpendicular to the barrier drain in the direction of the canal. The tile drain is graded toward a series of manholes and wet wells (PC-1A/PC-2A North/Central and PC-1/PC-2 South) where the leachate is collected. The leachate is pumped from the wet wells to two underground holding tanks (PC-3A North/Central and PC-3 South) where it is held prior to being treated at the Love Canal Treatment Facility (LCTF) and discharged to the Niagara Falls Water Board (NFWB) sanitary sewer system under the Site's Significant Industrial User Permit (SIU) #44. The locations of the remedial system components are illustrated on the Site Plan presented as Figure 2.1.

In March 1999, the adjacent 102nd Street Landfill Site leachate collection system was connected to the Love Canal Site to transfer the 102nd Street leachate into the Love Canal southern storage tank (PC-3). The 102nd Street Landfill Site leachate collection system operates continuously. For the year of 2010, the four-well system at 102nd Street pumped 389,884 gallons of leachate to the LCTF. The leachates from the two sites were then treated and discharged to the permitted NFWB sanitary sewer.

2.1 OPERATIONS OF THE BARRIER DRAIN AND WELL COLLECTION SYSTEM

2.1.1 BARRIER DRAIN SYSTEM

They Barrier Drain (BD) system functioned as designed in 2010, with no major maintenance required. Visual inspections of the collection system were conducted on April 6 and October 12, 2010. The visual inspections were conducted through the BD system manholes and showed the flumes of the manholes were flowing freely and required no further maintenance. The visual inspections were documented on the Semi-Annual Inspection Forms which are presented as Appendix B.

2.1.2 WET WELL COLLECTION SYSTEM

The wet well collection system consists of two sectors, the Northern/Central and the Southern Collection System. Leachate from the Northern/Central Sector is pumped from wet wells PC-1A and PC-2A to storage tank PC-3A while leachate from the Southern Sector is pumped from wet wells PC-1 and PC-2 to storage tank PC-3. The collection systems were operational and functioned properly throughout 2010.

2.1.3 1022ND STREET LANDFILL FORCEMAIN

The leachate forcemain construction was completed in March of 1999 and is sued for the transfer of leachate from the 102nd Street Landfill to the LCTF. The forcemain begins at the northwest corner of the 102nd Street Landfill and extends northward beneath River Road, LaSalle Expressway and Frontier Avenue to the LCTF southern storage tank (PC-3) where it is held for treatment.

3.0 GROUNDWATER TREATMENT AND MONITORING

3.1 GROUNDWATER TREATMENT

3.1.1 TREATMENT SYSTEM

The treatment system consists of clarification, bag filtration, and carbon treatment prior to discharge to the NFWB sanitary sewer system. A process schematic depicting the layout of the treatment system is presented as Figure 3.1.

Site effluent discharge is conducted under the SIU Permit #44 issued by the NFWB. In 2010, the NFWB reissued the wastewater discharge Permit #44 to OCC for an additional 5 years. The permit is valid from January 8, 2010 through January 8, 2015. A copy of the permit is included as Appendix C.

Routine maintenance activities were performed throughout the year. The major activities are presented below (see Section 4 for completed Site activities for the year 2010).

3.1.2 EFFLUENT DISCHARGE

The LCTF discharged to the NFWB sanitary sewer system on 141 days in 2010.

Periodically, unusually heavy rainfall or snow melt at the Love Canal and surrounding area can result in surcharged sewers. These surcharges lead to overflows at the combined sanitary and storm sewer overflow points. Consequently, to minimize the potential for LCTF treated effluent discharge from contributing to the surcharge conditions, the NFWB requires the LCTF to cease discharge during these surcharge events.

In 2010, the LCTF processed a total of 3,734,100 gallons of leachate. This total was comprised of 3,344,216 gallons of leachate from the Love Canal Landfill and 389,884 gallons of leachate from the 102nd Street Landfill.

Table 3.1 shows the monthly total and average treated groundwater quantities for the last 10-year period of 2001 to 2010.

3.1.3 EFFLUENT SAMPLING

Sampling of the effluent discharged to the NFWB sanitary sewer system occurred quarterly as required under the Site's SIU Discharge Permit #44 issued by NFWB. The quarterly effluent sampling for 2010 was performed on January 7, April 13, July 8, and October 21, 2010. The sample results were submitted to the NFWB and State agencies on a quarterly basis. The results for each event did not exceed the limits established in the Site's SIU Permit.

On January 7, 2010, the NFWB and Site personnel completed the annual Site inspection. No recommendations were made as a result of this inspection.

3.1.4 PRECIPITATION

Precipitation in the Niagara Falls region, in 2010, totaled 36.71 inches (Buffalo Airport, National Weather Service data). Table 3.1 provides historic regional precipitation data from 2000 through 2010.

3.2 GROUNDWATER MONITORING

3.2.1 GROUNDWATER QUALITY

Sampling and analytical protocols for the Site's groundwater sampling program have been established and are set forth in the "Sampling Manual, Love Canal Site, Long-Term Groundwater Monitoring Program" (LTGMP) dated January 1996.

3.2.2 CHEMICAL MONITORING

The annual chemical sampling event was performed between June 15 and June 24, 2010. As part of the annual groundwater monitoring efforts in 2010, 29 discrete wells were sampled. On March 25, 2009, the NYSDEC indicated to GSH that they would no longer be sending an annual well sampling list. GSH was directed to use the wells sampled in 2007 and 2008 for all future sampling events. This decision has been documented in a memo titled "Love Canal Groundwater Sampling", August 5, 2010, presented in Appendix D. In 2010, NYSDEC did not collect any split samples.

In June 2010, 13 overburden (including two field duplicates) and 19 bedrock (including one field duplicate) groundwater samples were collected in support of the Long-Term Groundwater Monitoring Program (LTGMP). The samples were submitted to Test America Laboratories, Inc., located in Pittsburgh, PA, and analyzed for site-specific volatiles, semi-volatiles, and pesticides/polychlorinated biphenyls (PCBs). A qualified CRA chemist performed the analytical QA/QC. The Quality Assurance/Quality Control (QA/QC) report for this event is presented in Appendix E.

Figure 3.2 identifies the wells sampled and their locations. The Annual Groundwater Sampling Schedule is presented in Appendix D. Table 3.4 provides a summary of the wells (11 overburden and 18 bedrock) that were sampled, along with the number of compounds found at or above the detection limits in each well.

3.2.2.1 OVERBURDEN MONITORING WELLS

Table 3.2 presents the analytical results from the annual monitoring and the analytes that were detected from the overburden wells.

The 2010 chemical analytical results for the overburden monitoring wells are consistent with previous long-term monitoring analytical results. The chemistry detected was at low levels (except groundwater from well 10135, which is installed in an area of known Site impacts) and does not indicate a failure in the barrier drain nor pose an immediate threat to groundwater quality in the vicinity of the Site.

Historically, well 10135 has had the most detected compounds and with the highest concentrations. As stated in the LTGMP, well 10135 is located in an area of known contamination and is sampled to present a "worst case" well. In 2010, well 10135 had 31 discrete compounds detected. Historical data from 1990 to 2010 for well 10135 is presented in Table 3.5 due to the well's consistent historical record of compound detections. Well 10135 is located within the boundaries of the remedial Site in the southwestern zone. Groundwater in the vicinity of this well is captured by the collection system as evidenced by Figure 3.9.

3.2.2.2 BEDROCK MONITORING WELLS

Table 3.3 presents the analytical results from the annual monitoring and the analytes that were detected from the bedrock wells.

The 2010 chemical analytical results for the bedrock monitoring wells are consistent with previous long-term monitoring analytical results. The chemistry detected was at low levels and does not indicate a failure in the barrier drain nor pose an immediate threat to groundwater quality in the vicinity of the Site.

Table 3.5 presents a summary of detected compounds of four long-term monitoring wells, including three bedrock wells and one overburden well (bedrock wells 10210A, 10210B, and 10210C, and overburden well 10135) from 1990 to 2010. The data from these four wells are presented since they have the most consistent historical record of detections of compounds. The data from the additional Site wells not presented in Table 3.5 are mostly non-detect with the occasional low level detection and therefore do not present any significant data in regards to a discussion of historical analytical trends at the Site. An evaluation of the 2010 sampling data for these four wells shows that the compounds detected in 2010 were at concentrations consistent with historical trends.

3.2.3 HYDRAULIC CONTAINMENT

Water levels were measured at six nested piezometer strings (1140, 1150, 1160, 1170, 1180, and 1190) in March, June, September, and December 2010. The water level data are presented in Tables 3.6A to 3.6F. The wells on the tables are ordered from the well furthest from the outside of the barrier drain, to the barrier drain, and to the well inside the area enclosed by the barrier drain. Figures 3.3 to 3.8 show the overburden groundwater flow conditions for June 2010 along the six piezometer strings. A review of the piezometer string groundwater elevation data from the remaining three quarters (March, September, and December) is consistent with the June 2010 data and therefore, figures depicting the overburden groundwater flow conditions from those quarters have not been created.

In addition to the above mentioned information, a groundwater contour figure was prepared using the June 2010 water levels from the six nested piezometer strings. The June 2010 groundwater contour figure is presented as Figure 3.9.

The groundwater contour figure and Tables 3.6A to 3.6F illustrate that there is at least 6-feet of inward gradient at each of the six nested piezometer strings demonstrating that the barrier drain and lateral trenches are effectively capturing leachate from the Site and preventing off Site migration of chemicals. Based on the water level data from the six nested piezometer strings, an inward gradient can be inferred to exist around the collection drain system demonstrating that the horizontal groundwater flow outside of the barrier drain is primarily towards the barrier drain. A review of the contour figure

also shows that groundwater flow inside of the barrier drain is towards the barrier drain. Monitoring will continue during 2011 as per the approved monitoring program.

3.2.4 WELL MAINTENANCE

No monitoring well maintenance was required during 2010.

3.2.5 SUMMARY OF TREATMENT AND MONITORING RESULTS

Effluent discharge has declined from 2009 to 2010 and is in line with volumes from previous years with similar precipitation levels. Quarterly sampling and analysis found that all chemistry detected within effluent samples for each event was less than the limits established in the Site's SIU permit.

An inward hydraulic gradient at each of the six nested piezometer strings at the barrier drain demonstrates that the barrier drain is effectively capturing leachate from the Site and preventing off Site migration of chemicals. All chemistry detected within the monitoring wells was present at low levels (with the exception of groundwater from well 10135, discussed in Section 3.2.2) further illustrating containment.

An overall inward hydraulic gradient towards the barrier drain and a review of groundwater quality for the groundwater monitoring wells demonstrates overall Site containment at present.

4.0 ACTIVITIES

Summaries of normal activities and repairs performed in 2010 are presented below.

4.1 PROCESS ACTIVITIES

Activities that occurred during the year included the following:

- Carbon changeout in September 2010
- Cleaning of all wet wells and clarifier
- Removal and installation of pump 3 west
- Replacement of DCF pump
- DCF connect box moved to above ground
- Flow feed pump and impeller inspection

4.2 NON-PROCESS ACTIVITIES

Activities that occurred during the year included the following:

- Scheduled preventative maintenance
- Process Air Return unit repair
- Treatment door repair
- Fuses replaced on compressor

4.3 COMMUNITY OUTREACH

Community Outreach programs have included such activities as beautification of the area surrounding the Landfill and tours of the facility.

4.3.1 BEAUTIFICATION

The following activities were conducted at Love Canal in 2010:

- Maintenance and landscaping of the Site and surrounding areas
- Maintenance of flowerbeds and shrubs along Colvin Boulevard, 95th Street, and Frontier Avenue
- Cleanup of discarded debris along fence line and within adjacent lots

4.3.2 TOURS

Tours of the facility have been given throughout the years to representatives of various environmental agencies (domestic and foreign) and educational groups. The tours include an informational orientation, accompanied with visual aids, followed by a guided tour of the treatment facility and landfill.

On December 7, 2010, a tour of the Love Canal Site was requested by a University of Buffalo media studies graduate student for a media project. Brian Sadowski of the NYSDEC, John Pentilchuk of CRA, and Clint Babcock of GSH gave a tour of the site to the media student.

4.3.3 COMMUNICATIONS

All required reporting was compiled and submitted to various agencies throughout the year. Reports included the 2009 Annual Hazardous Waste Reports to NYSDEC, the 2009 Periodic Review Report (formerly titled the Annual Operations and Monitoring Report) to various agencies, and monthly flow reports to the NFWB.

The Love Canal Annual Newsletter for 2009 was issued to surrounding citizens and agencies in April 2010. The report summarizes items such as the amount of groundwater treated on-Site and then discharged to NFWB's sanitary sewer system, maintenance activities and other non-operational activities for the year.

The NFWB performed an annual inspection of the LCTF in 2010. Additionally, an annual verification sampling of the effluent discharge was performed by the NFWB. The inspections and the annual effluent verification sampling concluded that the Site is

being maintained and operated in accordance with the Site's SIU discharge permit and other local, State, and Federal requirements.

4.4 WASTE GENERATION

Throughout the year, hazardous waste is generated and disposed of off Site. The tracking of the waste is performed by regulated hazardous waste manifests. A summary of the Site's annual hazardous waste generated is reported to the NYSDEC in the Annual Hazardous Waste Report. The Annual Hazardous Waste Report summarizes the quantities, disposers, and disposal methods.

A total of 57,206 pounds of hazardous waste were generated from various activities on Site. The waste materials were then sent off Site for proper disposal in accordance with all applicable laws and regulations (landfilled, incinerated, or reclaimed depending on categorization). All waste generated in 2010 were transported and disposed of through incineration by Clean Harbors, LLC.

The hazardous waste disposed of in 2010 consisted of spent carbon, NAPL, debris, soil, waste acid, filters, and personal protective equipment (PPE).

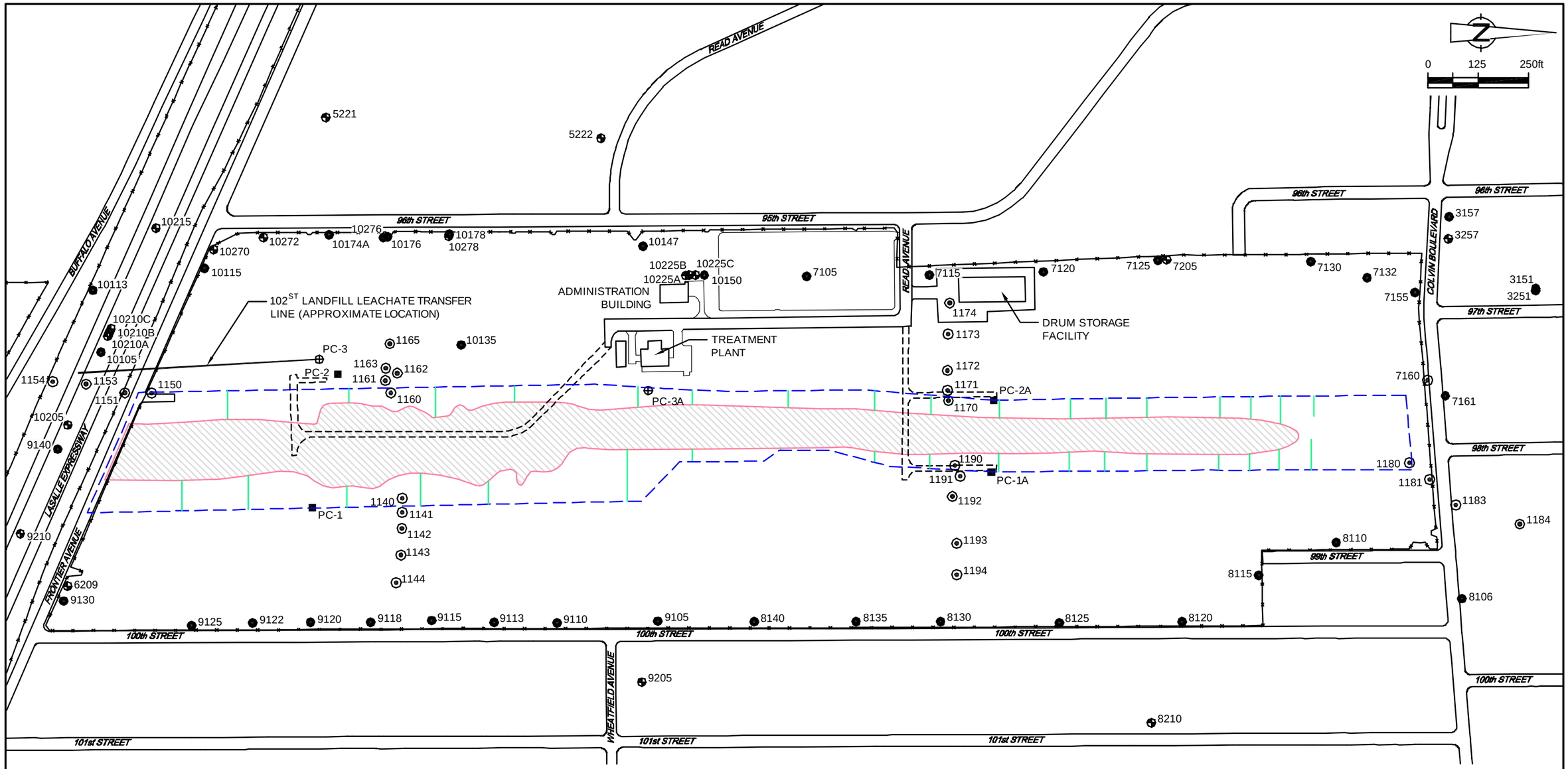
4.5 ROUTINE OPERATIONS, INSPECTIONS, AND MONITORING

- A daily inspection of the system operations was performed for each day in 2010 in accordance with the Operation and Maintenance Manual (O&M) for the Love Canal Site dated October 14, 2002.
- Monthly inspections of the fire extinguishers and monthly checks of the carbon vent scrubbers for breakthrough were also completed per the O&M Manual.
- The backflow preventer system was inspected and tested by Camtech on February 5, 2010. All backflow prevention devices were found to be operational with no maintenance required. A copy of the Test and Maintenance of Backflow Prevention Device Report, for each device is presented in Appendix F.

5.0 CONCLUSION

The 2010 data indicates that there was no significant change in chemical and hydrogeological conditions at the Site. The barrier drain is successfully capturing leachate from the Site and preventing off-Site migration of chemicals as evidenced by the groundwater gradients depicted on Figures 3.3 to 3.9. The remediation system is functioning as designed based on third party inspections by the NYSDEC and the NFWB and effluent compliance with the Site's SIU discharge permit. There were 3,734,100 gallons of leachate treated and discharged from the Site, of which 3,344,216 gallons of leachate were collected on Site and the remaining 389,884 gallons were collected from the 102nd Street Site and pumped to the LCTF for treatment.

FIGURES



LEGEND

- FENCE LINE
- APPROXIMATE BARRIER DRAIN
- APPROXIMATE LATERAL LOCATION
- 7105 PIEZOMETER WELL
- 9120 OVERBURDEN OBSERVATION WELL
- 10270 BEDROCK OBSERVATION WELL
- PC-1 WET WELL FOR LEACHATE COLLECTION
- PC-3 UNDERGROUND LEACHATE STORAGE TANK
- APPROXIMATE LIMITS OF DISPOSED WASTE

figure 2.1

SITE PLAN
LOVE CANAL SITE
GLENN SPRINGS HOLDINGS, INC.
Niagara Falls, New York

09954-D23101(018)GN-WA001 FEB 17/2011

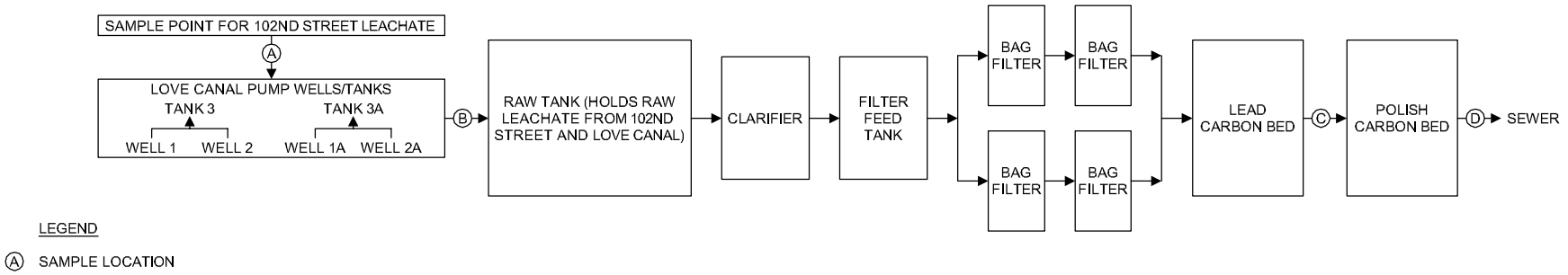
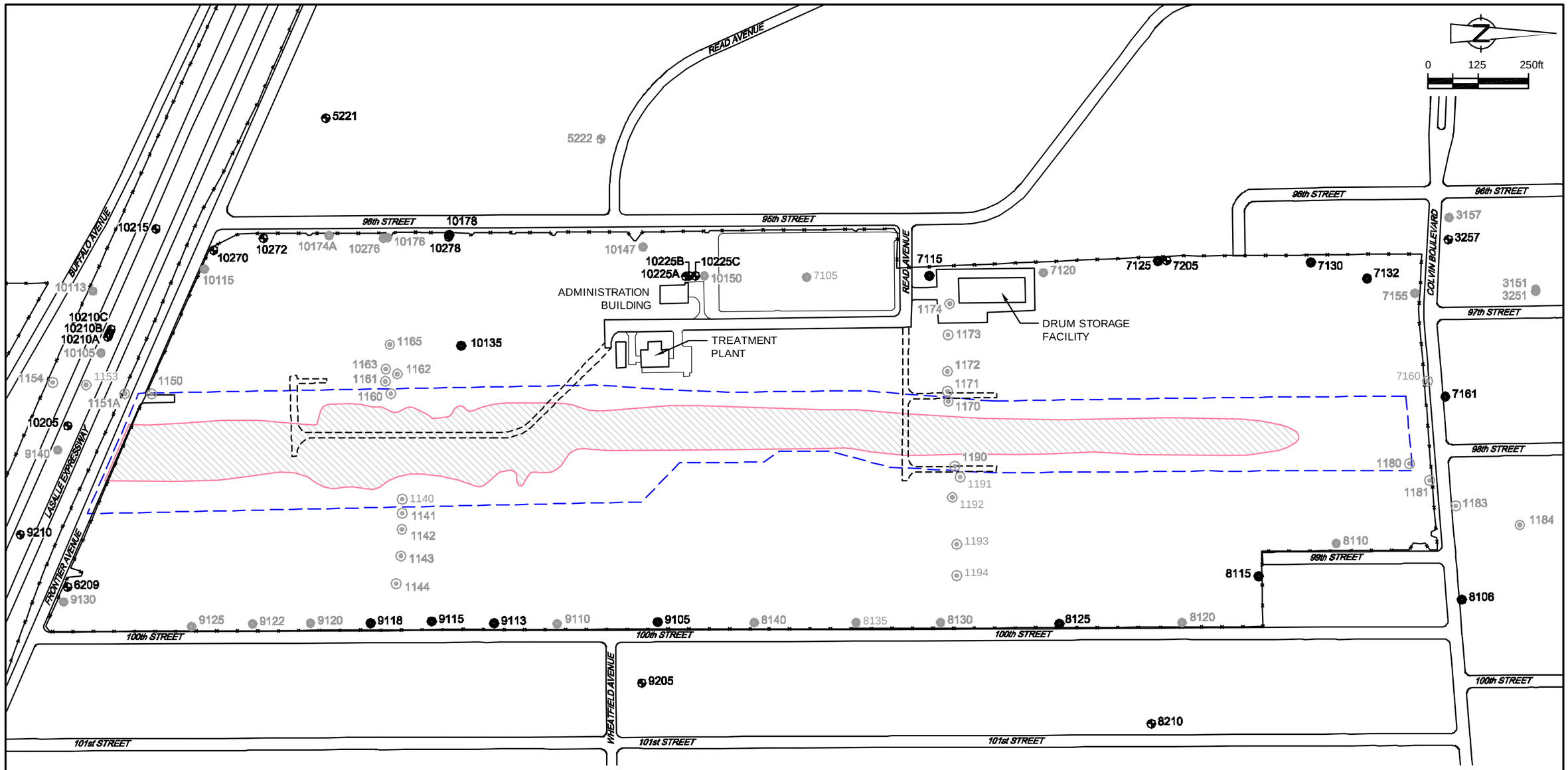


figure 3.1

PROCESS SCHEMATIC
LOVE CANAL SITE
GLENN SPRINGS HOLDINGS, INC.
Niagara Falls, New York



LEGEND

	FENCE LINE	5222	BEDROCK OBSERVATION WELLS
	APPROXIMATE BARRIER DRAIN	9205	OVERBURDEN WELLS SAMPLED IN 2010
7105	PIEZOMETER WELL	10270	BEDROCK WELLS SAMPLED 2010
9120	OVERBURDEN OBSERVATION WELL		APPROXIMATE LIMITS OF DISPOSED WASTE

figure 3.2

2010 GROUNDWATER MONITORING LOCATIONS
LOVE CANAL SITE
GLENN SPRINGS HOLDINGS, INC.
Niagara Falls, New York

09954-D23101(018)GN-WA003 FEB 17/2011

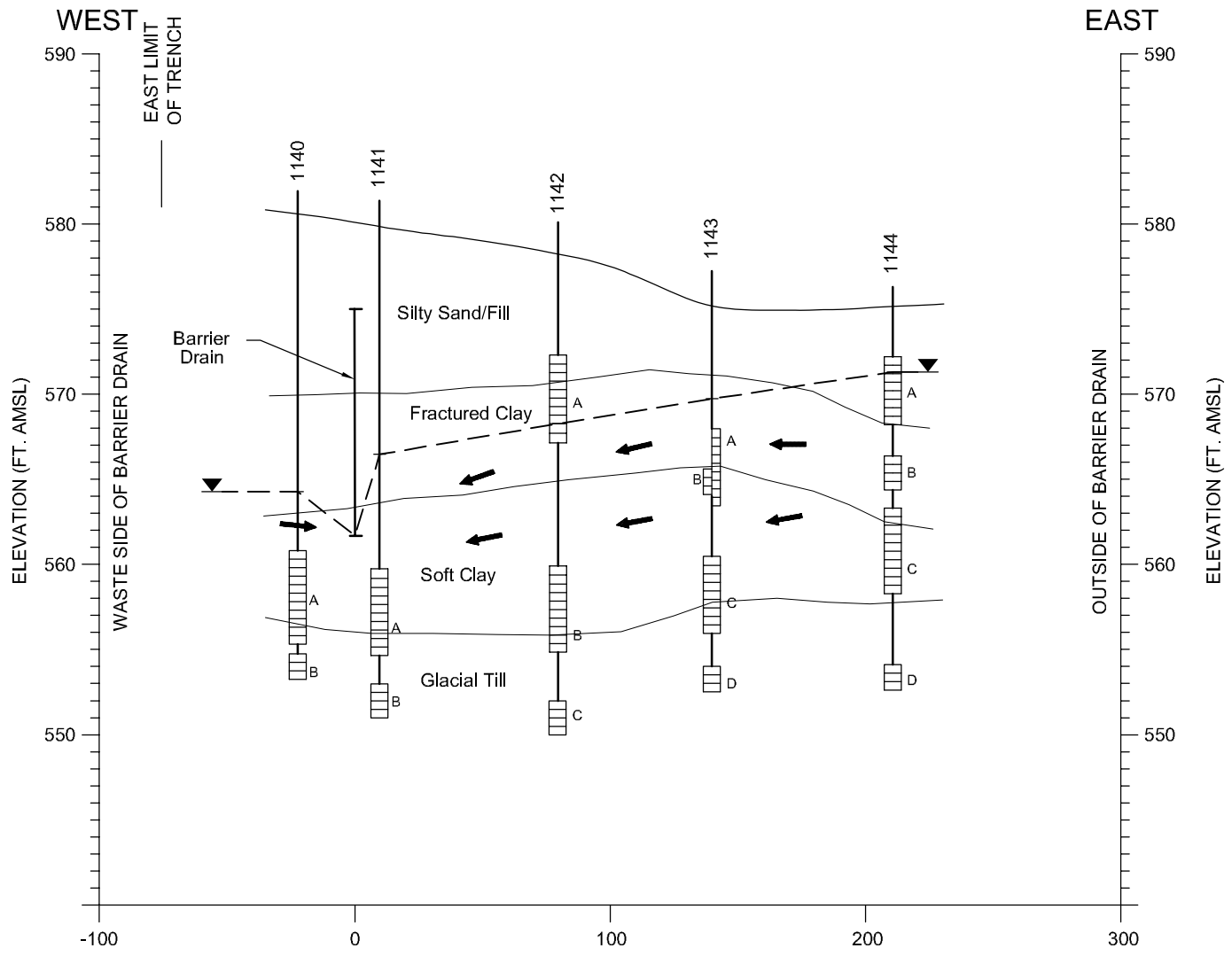


figure 3.3

JUNE 2010 FLOW DIAGRAM
1140 SERIES PIEZOMETERS
LOVE CANAL SITE
GLENN SPRINGS HOLDINGS, INC.
Niagara Falls, New York

LEGEND

A PIEZOMETER DESIGNATION

GROUNDWATER LEVEL

FLOW DIRECTION

SCREENED INTERVAL

NOTE: (1) GROUNDWATER LEVEL SHOWN IS FOR LOWERMOST MONITORED INTERVAL WITHIN SOFT CLAY MEDIUM

(2) PIEZOMETERS WERE INSTALLED IN SEPARATE BOREHOLES.

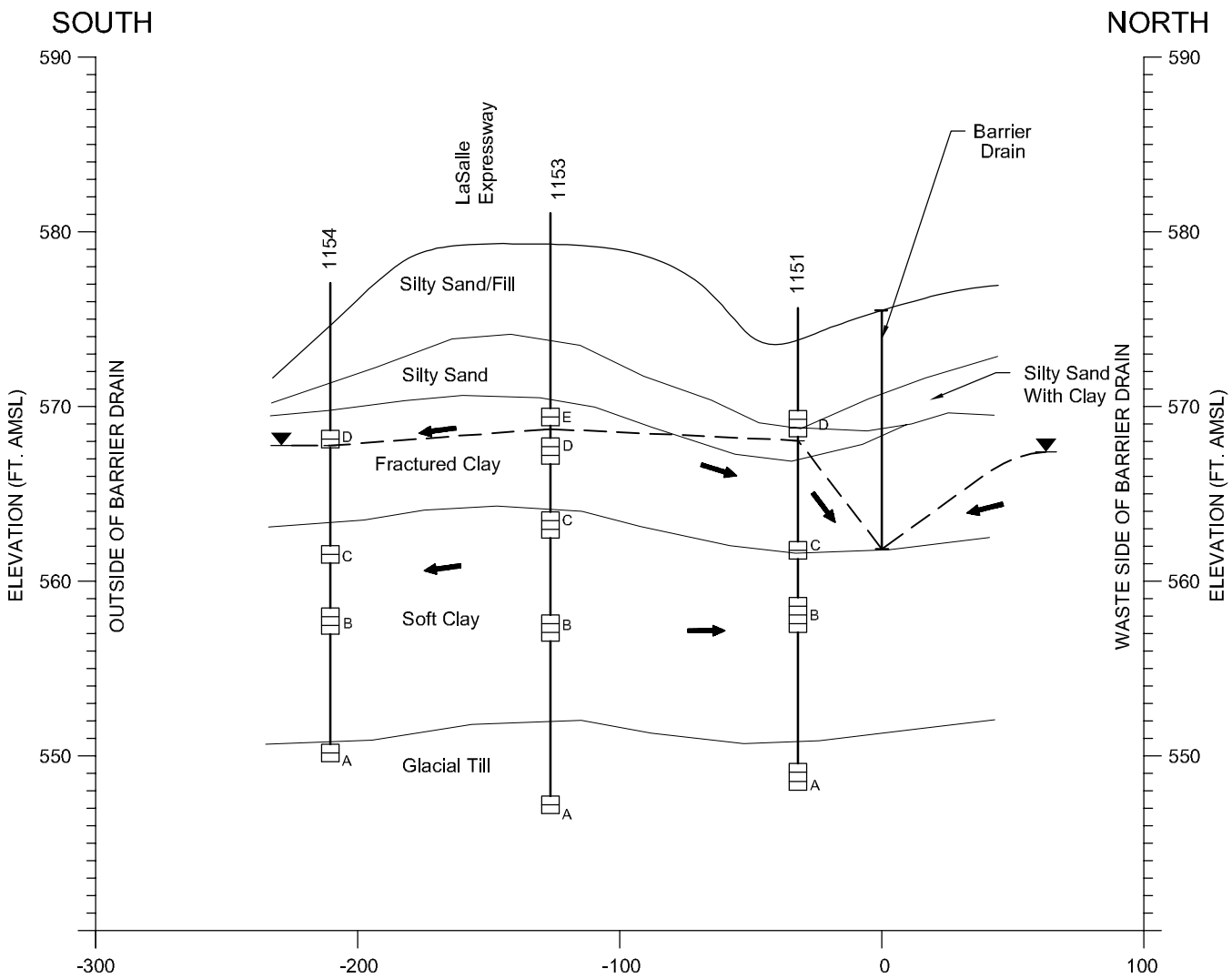


figure 3.4

JUNE 2010 FLOW DIAGRAM
1150 SERIES PIEZOMETERS
LOVE CANAL SITE
GLENN SPRINGS HOLDINGS, INC.
Niagara Falls, New York

LEGEND

A PIEZOMETER DESIGNATION

GROUNDWATER LEVEL

FLOW DIRECTION

SCREENED INTERVAL

NOTE: (1) GROUNDWATER LEVEL SHOWN IS FOR LOWERMOST MONITORED INTERVAL WITHIN SOFT CLAY MEDIUM

(2) PIEZOMETERS WERE INSTALLED IN SEPARATE BOREHOLES.

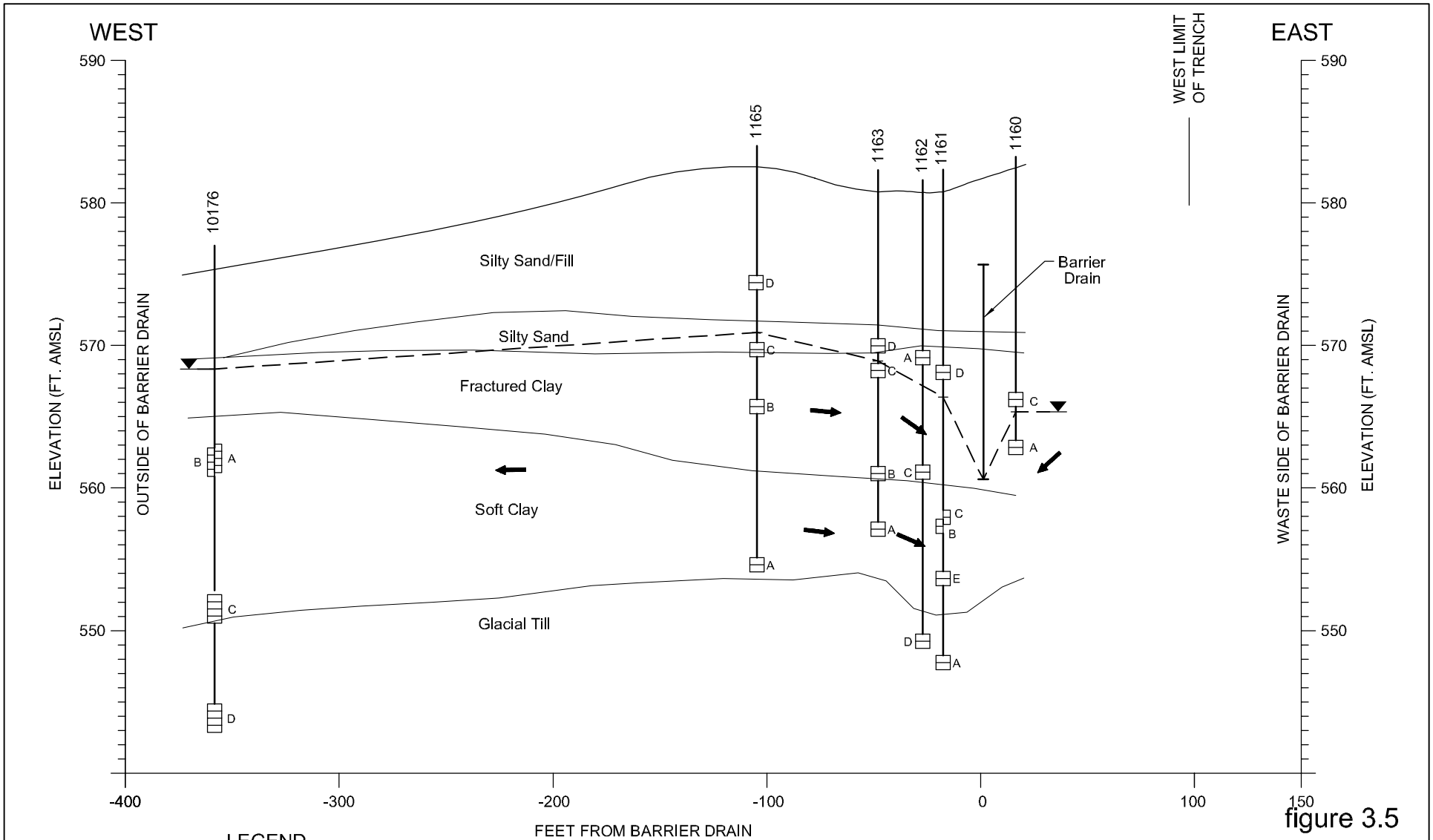


figure 3.5

LEGEND

A PIEZOMETER DESIGNATION

GROUNDWATER LEVEL

FLOW DIRECTION

SCREENED INTERVAL

NOTE: (1) GROUNDWATER LEVEL SHOWN IS FOR LOWERMOST MONITORED INTERVAL WITHIN SOFT CLAY MEDIUM

(2) PIEZOMETERS WERE INSTALLED IN SEPARATE BOREHOLES.

(3) WELL SCREEN 1163 D MOVED UP TO MATCH FIELD MEASUREMENTS.

JUNE 2010 FLOW DIAGRAM
1160 SERIES PIEZOMETERS
LOVE CANAL SITE
GLENN SPRINGS HOLDINGS, INC.
Niagara Falls, New York

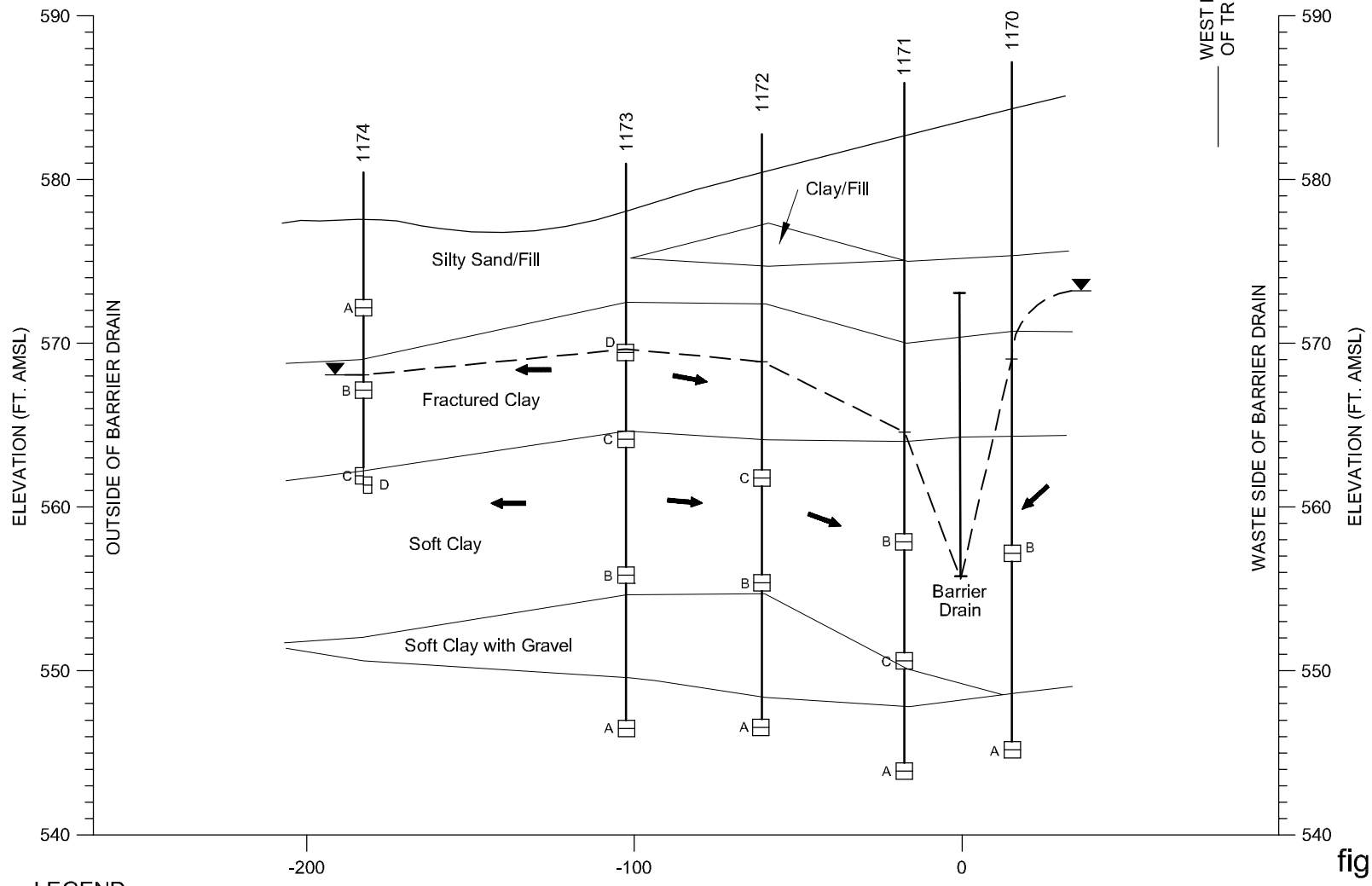


figure 3.6

LEGEND

A PIEZOMETER DESIGNATION

GROUNDWATER LEVEL

FLOW DIRECTION

SCREENED INTERVAL

NOTE: (1) GROUNDWATER LEVEL SHOWN IS FOR LOWERMOST MONITORED INTERVAL WITHIN SOFT CLAY MEDIUM

(2) PIEZOMETERS WERE INSTALLED IN SEPARATE BOREHOLES.

JUNE 2010 FLOW DIAGRAM
1170 SERIES PIEZOMETERS
LOVE CANAL SITE
GLENN SPRINGS HOLDINGS, INC.
Niagara Falls, New York

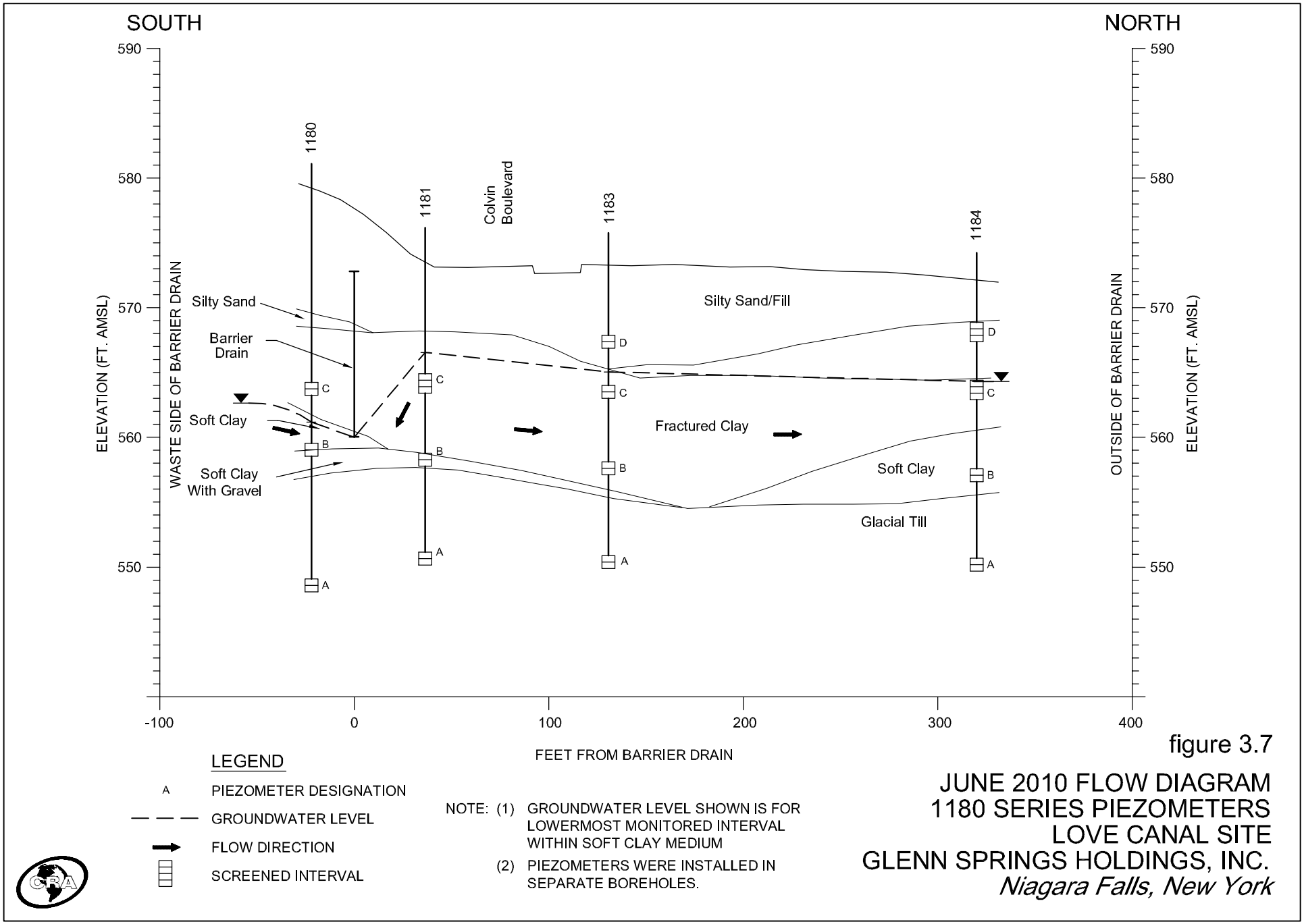


figure 3.7

JUNE 2010 FLOW DIAGRAM
1180 SERIES PIEZOMETERS
LOVE CANAL SITE
GLENN SPRINGS HOLDINGS, INC.
Niagara Falls, New York

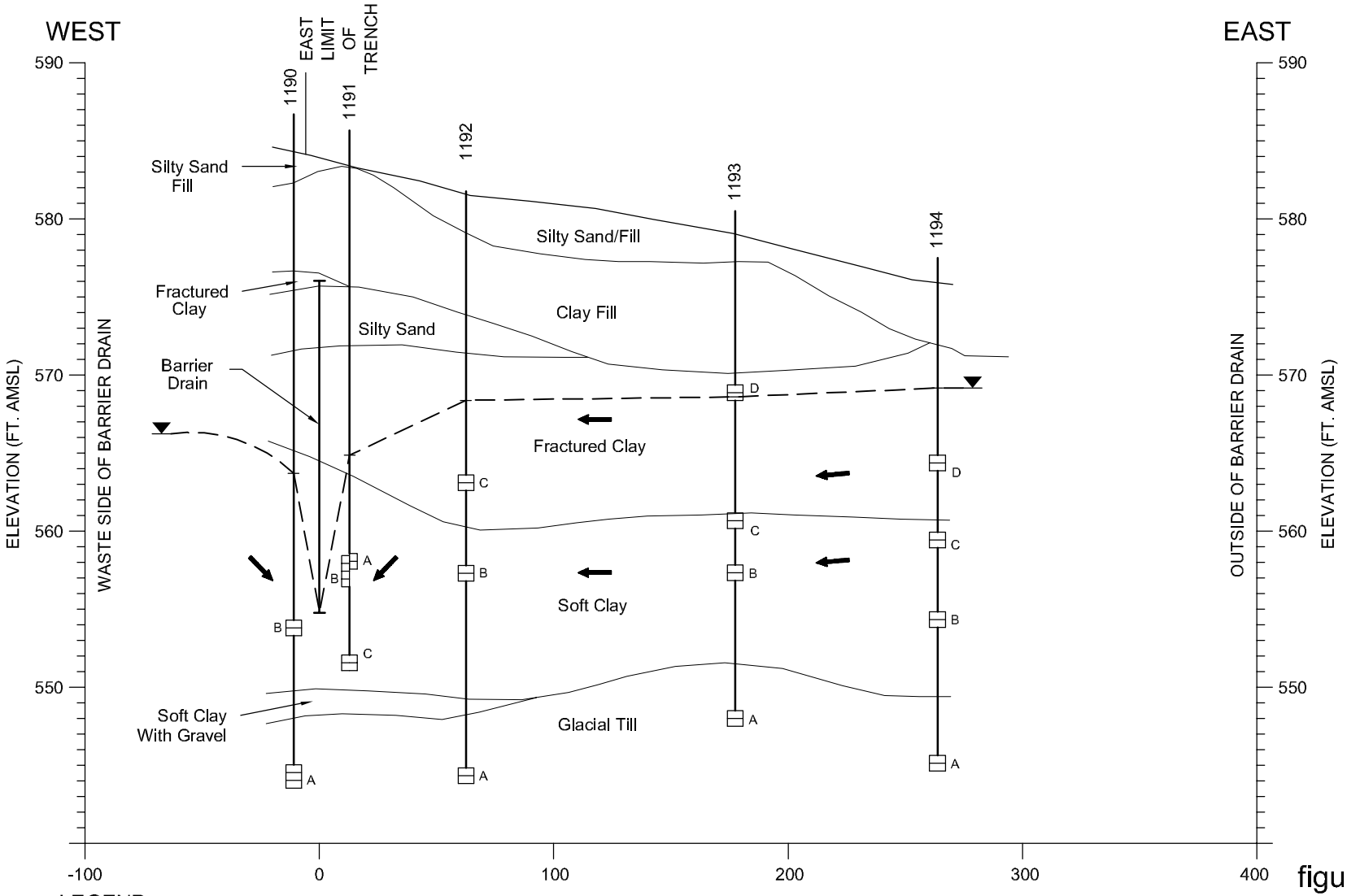


figure 3.8

LEGEND

A PIEZOMETER DESIGNATION

GROUNDWATER LEVEL

FLOW DIRECTION

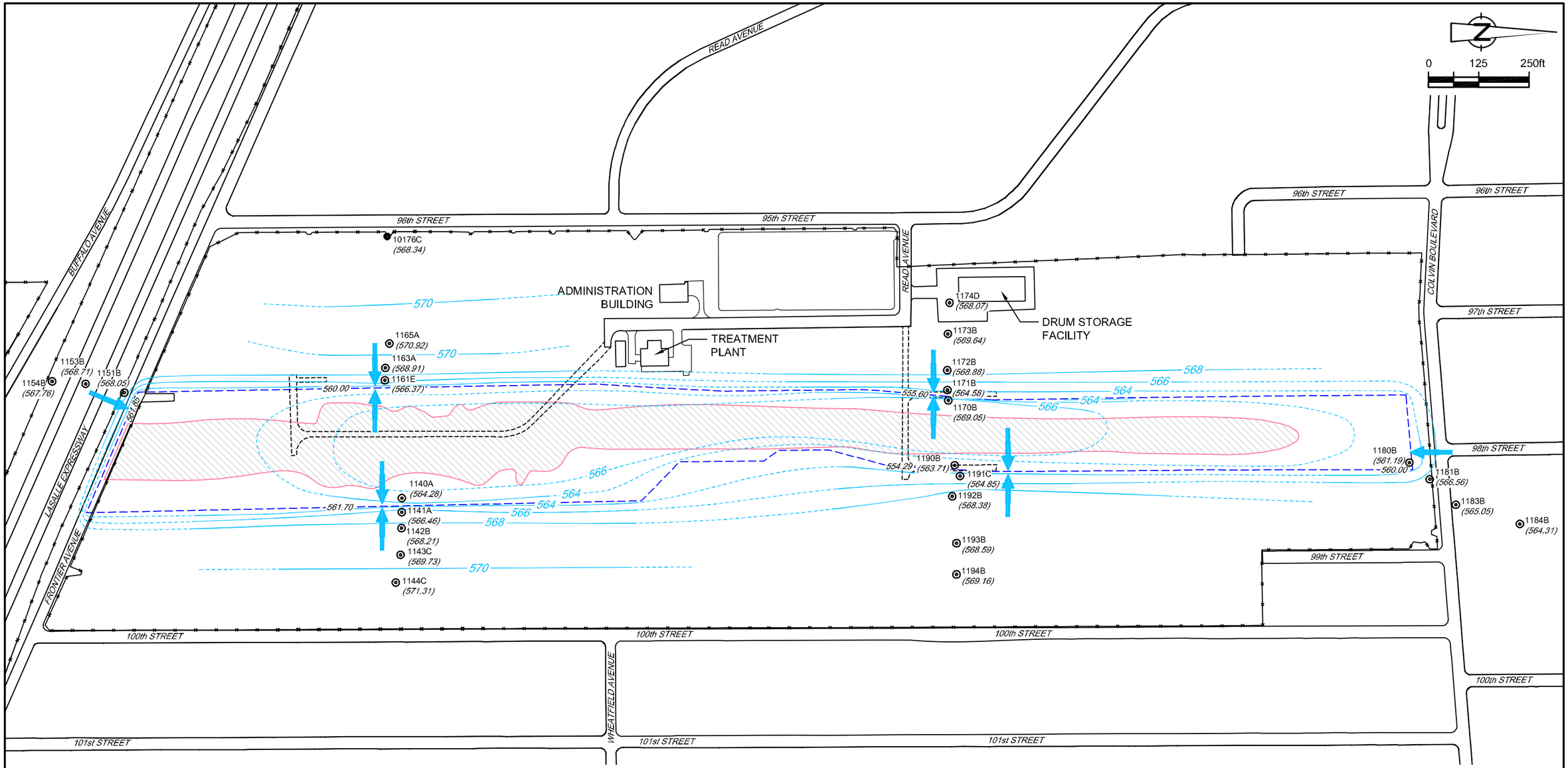
SCREENED INTERVAL

NOTE: (1) GROUNDWATER LEVEL SHOWN IS FOR LOWERMOST MONITORED INTERVAL WITHIN SOFT CLAY MEDIUM

(2) PIEZOMETERS WERE INSTALLED IN SEPARATE BOREHOLES.

JUNE 2010 FLOW DIAGRAM
1190 SERIES PIEZOMETERS
LOVE CANAL SITE
GLENN SPRINGS HOLDINGS, INC.
Niagara Falls, New York

09954-D23101(018)GN-WA009 FEB 15/2011



LEGEND

- FENCE LINE
- APPROXIMATE BARRIER DRAIN
- 7105 PIEZOMETER WELL
- 9120 OVERBURDEN OBSERVATION WELL
- APPROXIMATE LIMITS OF DISPOSED WASTE
- (569.67) GROUNDWATER ELEVATION (JUNE 2010)
- 565 GROUNDWATER CONTOUR (JUNE 2010)
- INFERRED GROUNDWATER CONTOUR (JUNE 2010)
- GROUNDWATER FLOW DIRECTION

figure 3.9

2010 GROUNDWATER CONTOURS
LOVE CANAL SITE
GLENN SPRINGS HOLDINGS, INC.
Niagara Falls, New York

09954-D23101(018)GN-WA010 FEB 18/2011

TABLES

TABLE 3.1

MONTHLY VOLUMES OF GROUNDWATER TREATED
LOVE CANAL LEACHATE TREATMENT FACILITY
GLENN SPRINGS HOLDINGS, INC.

		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
January	Gross (1)	**495,800**	**396,900**	**488,900**	**419,400**	**309,200**	**841,400**	**855,900**	**993,400**	**674,000**	**523,500**	**534,400**
	Net (2)	280,364	282,480	422,682	374,123	260,171	796,518	817,305	970,918	649,777	495,713	471,805
	Days (3)	21	20	21	14	10	17	16	20	18	16	17
February	Gross	**480,400**	**560,000**	**663,700**	**266,300**	**330,000**	**440,200**	**437,300**	**216,600**	**570,000**	**506,700**	**314,300**
	Net	368,492	468,863	608,116	231,049	291,082	401,137	405,124	174,776	539,772	485,869	276,643
	Days	21	19	20	13	9	11	9	7	16	13	10
March	Gross	**505,500**	**616,400**	**364,900**	**721,500**	**1,038,400**	**698,900**	**436,800**	**582,500**	**570,500**	**606,900**	**550,100**
	Net	290,501	493,476	316,696	667,337	986,332	667,105	402,047	560,237	550,518	582,109	526,021
	Days	23	21	21	17	21	13	13	16	12	18	17
April	Gross	**675,600**	**352,300**	**689,700**	**432,800**	**800,400**	**805,300**	**184,800**	**447,200**	**602,000**	**414,900**	**498,200**
	Net	547,926	262,946	629,683	380,745	767,982	769,514	155,028	420,133	574,359	377,080	466,778
	Days	20	20	20	16	17	14	6	14	12	16	15
May	Gross	**473,300**	**311,200**	**589,500**	**425,400**	**326,500**	**183,400**	**121,800**	**323,200**	**172,900**	**306,200**	**379,400**
	Net	335,331	207,580	532,251	379,299	294,612	156,846	93,394	297,471	147,715	267,700	348,837
	Days	20	17	20	14	10	5	4	12	11	14	18
June	Gross	**632,200**	**202,200**	**395,100**	**367,900**	**253,200**	**160,800**	**130,700**	**173,300**	**128,700**	**110,000**	**205,200**
	Net	486,721	132,132	347,485	303,576	208,659	118,979	104,449	148,638	107,411	79,200	174,305
	Days	20	16	14	13	9	6	5	4	6	7	13
July	Gross	**333,900**	**182,200**	**194,500**	**187,700**	**137,700**	**92,600**	**195,500**	**129,100**	**164,760**	**187,900**	**85,600**
	Net	184,955	111,941	145,344	142,849	111,217	78,234	183,084	99,026	141,442	153,170	55,670
	Days	20	16	16	11	7	3	5	6	6	7	4
August	Gross	**437,100**	**267,200**	**151,300**	**158,600**	**301,900**	**98,800**	**322,440**	**120,800**	**197,340**	**369,400**	**184,300**
	Net	286,925	194,821	107,928	114,497	269,934	55,055	293,900	106,040	191,068	347,425	162,562
	Days	23	18	17	8	10	5	10	5	6	18	8
September	Gross	**209,600**	**144,900**	**148,600**	**105,800**	**484,800**	**317,900**	**249,160**	**68,400**	**152,200**	**101,500**	**88,100**
	Net	82,263	81,619	94,401	60,350	435,482	284,315	213,343	49,041	122,101	76,057	56,678
	Days	20	16	12	7	12	8	7	4	9	7	2
October	Gross	**264,300**	**438,500**	**154,600**	**211,000**	**135,700**	**486,300**	**919,200**	**173,000**	**296,100**	**199,200**	**120,200**
	Net	134,248	348,153	108,226	211,000	94,476	445,560	892,734	141,650	274,068	129,035	88,537
	Days	20	18	13	9	4	10	18	8	13	8	5
November	Gross	**250,900**	**250,400**	**360,800**	**356,800**	**211,400**	**524,600**	**691,800**	**90,100**	**449,700**	**210,100**	**263,400**
	Net	132,728	194,481	306,258	310,650	186,999	494,443	658,765	77,506	414,149	152,302	233,159
	Days	17	16	14	12	5	14	14	3	14	12	15
December	Gross	**522,600**	**555,300**	**549,600**	**692,300**	**674,400**	**502,000**	**510,400**	**345,700**	**757,500**	**506,200**	**510,900**
	Net	421,149	475,856	496,556	643,735	622,403	476,165	492,900	317,790	733,582	467,578	483,221
	Days	17	18	15	14	14	12	12	8	20	17	17
Total	Gross	**5,281,200**	**4,277,500**	**4,751,200**	**4,345,500**	**5,003,600**	**5,152,200**	**5,055,800**	**3,663,300**	**4,735,700**	**4,042,500**	**3,734,100**
	Net	**3,551,603**	**3,254,348**	**4,115,626**	**3,819,210**	**4,529,349**	**4,743,871**	**4,712,073**	**3,363,226**	**4,445,962**	**3,613,238**	**3,344,216**
	Days	**242**	**215**	**203**	**148**	**128**	**118**	**119**	**107**	**143**	**153**	**141**
Monthly	Gross	**440,100**	**356,458**	**395,933**	**362,125**	**416,967**	**429,350**	**421,317**	**305,275**	**394,642**	**336,875**	**311,175**
Average	Net	295,967	271,196	342,969	318,268	377,446	395,323	392,673	280,269	370,497	301,103	278,685
	Days	20	18	17	12	11	10	10	9	12	13	12
Precipitation Inches		**42.2**	**35.18**	**39.74**	**37.15**	**41.73**	**39.07**	**44.41**	**35.12**	**47.23**	**42.37**	**36.71**

Notes:

(1) Gross: Total Volume fo Leachate Treated in gallons; as of March 1999 Treatment at LCTF included leachate collected from 102nd Street Landfill Site.

(2) Net: LC (Love Canal) Leachate Treated in gallons; Net is equalt to the total (gross) leachate treated less leachate received from 102nd Street.

(3) Days: Number of days Treatment Facility discharged to the sanitary sewer.

N/A Not Available.

TABLE 3.2

2010 ANALYTICAL RESULTS SUMMARY-OVERBURDEN
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

Sample Location:		*7115*	*7125*	*7125*	*7130*	*7132*	*8106*	*8115*
Sample ID:		*LC-7115-610*	*LC-7125-610*	*LC-8215-610*	*LC-7130-610*	*LC-7132-610*	*LC-8106-610*	*LC-8115-610*
Sample Date:		*6/15/2010*	*6/16/2010*	*6/16/2010 (Duplicate)*	*6/16/2010*	*6/16/2010*	*6/16/2010*	*6/15/2010*
Parameters	*Units*							
Volatile Organic Compounds								
1,1,1-Trichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloropropane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Hexanone	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	µg/L	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Benzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromodichloromethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromoform	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon disulfide	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon tetrachloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform (Trichloromethane)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloromethane (Methyl chloride)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Toluene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,2-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Vinyl acetate	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Vinyl chloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Xylenes (total)	µg/L	15 U	15 U	15 U	15 U	15 U	15 U	15 U
Discrete Compounds		0	0	0	0	0	0	0

2010 ANALYTICAL RESULTS SUMMARY-OVERBURDEN
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

Sample Location:		*7115*	*7125*	*7125*	*7130*	*7132*	*8106*	*8115*
Sample ID:		*LC-7115-610*	*LC-7125-610*	*LC-8215-610*	*LC-7130-610*	*LC-7132-610*	*LC-8106-610*	*LC-8115-610*
Sample Date:		*6/15/2010*	*6/16/2010*	*6/16/2010 (Duplicate)*	*6/16/2010*	*6/16/2010*	*6/16/2010*	*6/15/2010*
Parameters	*Units*							
Semi-volatile Organic Compounds								
1,2,4-Trichlorobenzene	µg/L	9.4 U	9.4 U	9.5 U	10 U	9.9 U	9.4 U	9.5 U
1,2-Dichlorobenzene	µg/L	9.4 U	9.4 U	9.5 U	10 U	9.9 U	9.4 U	9.5 U
1,3-Dichlorobenzene	µg/L	9.4 U	9.4 U	9.5 U	10 U	9.9 U	9.4 U	9.5 U
1,4-Dichlorobenzene	µg/L	9.4 U	9.4 U	9.5 U	10 U	9.9 U	9.4 U	9.5 U
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	µg/L	1.9 U	1.9 U	1.9 U	2.0 U	2.0 U	1.9 U	1.9 U
2,4,5-Trichlorophenol	µg/L	9.4 U	9.4 U	9.5 U	10 U	9.9 U	9.4 U	9.5 U
2,4,6-Trichlorophenol	µg/L	9.4 U	9.4 U	9.5 U	10 U	9.9 U	9.4 U	9.5 U
2,4-Dichlorophenol	µg/L	1.9 U	1.9 U	1.9 U	2.0 U	2.0 U	1.9 U	1.9 U
2,4-Dimethylphenol	µg/L	9.4 U	9.4 U	9.5 U	10 U	9.9 U	9.4 U	9.5 U
2,4-Dinitrophenol	µg/L	47 U	47 U	48 U	50 U	50 U	47 U	48 U
2,4-Dinitrotoluene	µg/L	9.4 U	9.4 U	9.5 U	10 U	9.9 U	9.4 U	9.5 U
2,6-Dinitrotoluene	µg/L	9.4 U	9.4 U	9.5 U	10 U	9.9 U	9.4 U	9.5 U
2-Chloronaphthalene	µg/L	1.9 U	1.9 U	1.9 U	2.0 U	2.0 U	1.9 U	1.9 U
2-Chlorophenol	µg/L	9.4 U	9.4 U	9.5 U	10 U	9.9 U	9.4 U	9.5 U
2-Methylnaphthalene	µg/L	1.9 U	1.9 U	1.9 U	2.0 U	2.0 U	1.9 U	1.9 U
2-Methylphenol	µg/L	9.4 U	9.4 U	9.5 U	10 U	9.9 U	9.4 U	9.5 U
2-Nitroaniline	µg/L	47 U	47 U	48 U	50 U	50 U	47 U	48 U
2-Nitrophenol	µg/L	9.4 U	9.4 U	9.5 U	10 U	9.9 U	9.4 U	9.5 U
3,3'-Dichlorobenzidine	µg/L	9.4 U	9.4 U	9.5 U	10 U	9.9 U	9.4 U	9.5 U
3-Nitroaniline	µg/L	47 U	47 U	48 U	50 U	50 U	47 U	48 U
4,6-Dinitro-2-methylphenol	µg/L	47 U	47 U	48 U	50 U	50 U	47 U	48 U
4-Bromophenyl phenyl ether	µg/L	9.4 U	9.4 U	9.5 U	10 U	9.9 U	9.4 U	9.5 U
4-Chloro-3-methylphenol	µg/L	9.4 U	9.4 U	9.5 U	10 U	9.9 U	9.4 U	9.5 U
4-Chloroaniline	µg/L	9.4 U	9.4 U	9.5 U	10 U	9.9 U	9.4 U	9.5 U
4-Chlorophenyl phenyl ether	µg/L	9.4 U	9.4 U	9.5 U	10 U	9.9 U	9.4 U	9.5 U
4-Methylphenol	µg/L	9.4 U	9.4 U	9.5 U	10 U	9.9 U	9.4 U	9.5 U
4-Nitroaniline	µg/L	47 U	47 U	48 U	50 U	50 U	47 U	48 U
4-Nitrophenol	µg/L	47 U	47 U	48 U	50 U	50 U	47 U	48 U
Acenaphthene	µg/L	1.9 U	1.9 U	1.9 U	2.0 U	2.0 U	1.9 U	1.9 U
Acenaphthylene	µg/L	1.9 U	1.9 U	1.9 U	2.0 U	2.0 U	1.9 U	1.9 U
Anthracene	µg/L	1.9 U	1.9 U	1.9 U	2.0 U	2.0 U	1.9 U	1.9 U
Benzo(a)anthracene	µg/L	1.9 U	1.9 U	1.9 U	2.0 U	2.0 U	1.9 U	1.9 U
Benzo(a)pyrene	µg/L	1.9 U	1.9 U	1.9 U	2.0 U	2.0 U	1.9 U	1.9 U
Benzo(b)fluoranthene	µg/L	1.9 U	1.9 U	1.9 U	2.0 U	2.0 U	1.9 U	1.9 U
Benzo(g,h,i)perylene	µg/L	1.9 U	1.9 U	1.9 U	2.0 U	2.0 U	1.9 U	1.9 U
Benzo(k)fluoranthene	µg/L	1.9 U	1.9 U	1.9 U	2.0 U	2.0 U	1.9 U	1.9 U
Benzoic acid	µg/L	20 J	47 UJ	48 U	50 UJ	50 UJ	47 U	48 U
Benzyl alcohol	µg/L	9.4 U	9.4 U	9.5 U	10 U	9.9 U	9.4 U	9.5 U
bis(2-Chloroethoxy)methane	µg/L	9.4 U	9.4 U	9.5 U	10 U	9.9 U	9.4 U	9.5 U
bis(2-Chloroethyl)ether	µg/L	1.9 U	1.9 U	1.9 U	2.0 U	2.0 U	1.9 U	1.9 U
bis(2-Ethylhexyl)phthalate (DEHP)	µg/L	19 U	19 U	19 U	20 U	20 U	19 U	19 U
Butyl benzylphthalate (BBP)	µg/L	9.4 U	9.4 U	9.5 U	10 U	9.9 U	9.4 U	9.5 U
Chrysene	µg/L	1.9 U	1.9 U	1.9 U	2.0 U	2.0 U	1.9 U	1.9 U
Dibenz(a,h)anthracene	µg/L	1.9 U	1.9 U	1.9 U	2.0 U	2.0 U	1.9 U	1.9 U

TABLE 3.2

2010 ANALYTICAL RESULTS SUMMARY-OVERBURDEN
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

Sample Location:			*7115*	*7125*	*7125*	*7130*	*7132*	*8106*	*8115*
Sample ID:			*LC-7115-610*	*LC-7125-610*	*LC-8215-610*	*LC-7130-610*	*LC-7132-610*	*LC-8106-610*	*LC-8115-610*
Sample Date:			*6/15/2010*	*6/16/2010*	*6/16/2010 (Duplicate)*	*6/16/2010*	*6/16/2010*	*6/16/2010*	*6/15/2010*
Parameters		*Units*							
Dibenzofuran		µg/L	9.4 U	9.4 U	9.5 U	10 U	9.9 U	9.4 U	9.5 U
Diethyl phthalate		µg/L	9.4 U	9.4 U	9.5 U	10 U	9.9 U	9.4 U	9.5 U
Dimethyl phthalate		µg/L	9.4 U	9.4 U	9.5 U	10 U	9.9 U	9.4 U	9.5 U
Di-n-butylphthalate (DBP)		µg/L	9.4 U	9.4 U	9.5 U	10 U	9.9 U	9.4 U	9.5 U
Di-n-octyl phthalate (DnOP)		µg/L	9.4 U	9.4 U	9.5 U	10 U	9.9 U	9.4 U	9.5 U
Fluoranthene		µg/L	1.9 U	1.9 U	1.9 U	2.0 U	2.0 U	1.9 U	1.9 U
Fluorene		µg/L	1.9 U	1.9 U	1.9 U	2.0 U	2.0 U	1.9 U	1.9 U
Hexachlorobenzene		µg/L	1.9 U	1.9 U	1.9 U	2.0 U	2.0 U	1.9 U	1.9 U
Hexachlorobutadiene		µg/L	1.9 U	1.9 U	1.9 U	2.0 U	2.0 U	1.9 U	1.9 U
Hexachlorocyclopentadiene		µg/L	9.4 UJ	9.4 UJ	9.5 U	10 UJ	9.9 UJ	9.4 U	9.5 U
Hexachloroethane		µg/L	9.4 U	9.4 U	9.5 U	10 U	9.9 U	9.4 U	9.5 U
Indeno(1,2,3-cd)pyrene		µg/L	1.9 U	1.9 U	1.9 U	2.0 U	2.0 U	1.9 U	1.9 U
Isophorone		µg/L	9.4 U	9.4 U	9.5 U	10 U	9.9 U	9.4 U	9.5 U
Naphthalene		µg/L	1.9 U	1.9 U	1.9 U	2.0 U	2.0 U	1.9 U	1.9 U
Nitrobenzene		µg/L	19 U	19 U	19 U	20 U	20 U	19 U	19 U
N-Nitrosodi-n-propylamine		µg/L	1.9 U	1.9 U	1.9 U	2.0 U	2.0 U	1.9 U	1.9 U
N-Nitrosodiphenylamine		µg/L	9.4 U	9.4 U	9.5 U	10 U	9.9 U	9.4 U	9.5 U
Pentachlorophenol		µg/L	9.4 U	9.4 U	9.5 U	10 U	9.9 U	9.4 U	9.5 U
Phenanthrene		µg/L	1.9 U	1.9 U	1.9 U	2.0 U	2.0 U	1.9 U	1.9 U
Phenol		µg/L	1.9 U	1.9 U	1.9 U	2.0 U	2.0 U	1.9 U	1.9 U
Pyrene		µg/L	1.9 U	1.9 U	1.9 U	2.0 U	2.0 U	1.9 U	1.9 U
	Discrete Compounds		1	0	0	0	0	0	0
PCBs									
Aroclor-1016 (PCB-1016)		µg/L	0.38 U	0.38 U	0.38 U	0.38 U	0.39 U	0.39 U	0.38 U
Aroclor-1221 (PCB-1221)		µg/L	0.38 U	0.38 U	0.38 U	0.38 U	0.39 U	0.39 U	0.38 U
Aroclor-1232 (PCB-1232)		µg/L	0.38 U	0.38 U	0.38 U	0.38 U	0.39 U	0.39 U	0.38 U
Aroclor-1242 (PCB-1242)		µg/L	0.38 U	0.38 U	0.38 U	0.38 U	0.39 U	0.39 U	0.38 U
Aroclor-1248 (PCB-1248)		µg/L	0.38 U	0.38 U	0.38 U	0.38 U	0.39 U	0.39 U	0.38 U
Aroclor-1254 (PCB-1254)		µg/L	0.38 U	0.38 U	0.38 U	0.38 U	0.39 U	0.39 U	0.38 U
Aroclor-1260 (PCB-1260)		µg/L	0.38 U	0.38 U	0.38 U	0.38 U	0.39 U	0.39 U	0.38 U
	Discrete Compounds		0	0	0	0	0	0	0
Pesticides									
4,4'-DDD		µg/L	0.048 U	0.048 U	0.047 U	0.048 U	0.048 U	0.048 U	0.048 U
4,4'-DDE		µg/L	0.048 U	0.048 U	0.047 U	0.048 U	0.048 U	0.048 U	0.048 U
4,4'-DDT		µg/L	0.048 U	0.048 U	0.047 U	0.048 U	0.048 U	0.048 U	0.048 U
Aldrin		µg/L	0.048 U	0.048 U	0.047 U	0.048 U	0.048 U	0.048 U	0.048 U
alpha-BHC		µg/L	0.048 U	0.048 U	0.047 U	0.048 U	0.048 U	0.048 U	0.048 U
alpha-Chlordane		µg/L	0.048 U	0.048 U	0.047 U	0.048 U	0.048 U	0.048 U	0.048 U
beta-BHC		µg/L	0.048 U	0.048 U	0.047 U	0.048 U	0.048 U	0.048 U	0.048 U
delta-BHC		µg/L	0.020 J	0.048 U	0.047 U	0.048 U	0.048 U	0.048 U	0.048 U
Dieldrin		µg/L	0.048 U	0.048 U	0.047 U	0.048 U	0.048 U	0.048 U	0.048 U
Endosulfan I		µg/L	0.048 U	0.048 U	0.047 U	0.048 U	0.048 U	0.048 U	0.048 U

TABLE 3.2

2010 ANALYTICAL RESULTS SUMMARY-OVERBURDEN
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

Sample Location:		*7115*	*7125*	*7125*	*7130*	*7132*	*8106*	*8115*
Sample ID:		*LC-7115-610*	*LC-7125-610*	*LC-8215-610*	*LC-7130-610*	*LC-7132-610*	*LC-8106-610*	*LC-8115-610*
Sample Date:		*6/15/2010*	*6/16/2010*	*6/16/2010 (Duplicate)*	*6/16/2010*	*6/16/2010*	*6/16/2010*	*6/15/2010*
Parameters	*Units*							
Endosulfan II	µg/L	0.048 U	0.048 U	0.047 U	0.048 U	0.048 U	0.048 U	0.048 U
Endosulfan sulfate	µg/L	0.048 U	0.048 U	0.047 U	0.048 U	0.048 U	0.048 U	0.048 U
Endrin	µg/L	0.048 U	0.048 U	0.047 U	0.048 U	0.048 U	0.048 U	0.048 U
Endrin ketone	µg/L	0.048 U	0.048 U	0.047 U	0.048 U	0.048 U	0.048 U	0.048 U
gamma-BHC (lindane)	µg/L	0.048 U	0.048 U	0.047 U	0.048 U	0.048 U	0.048 U	0.048 U
gamma-Chlordane	µg/L	0.048 U	0.048 U	0.047 U	0.048 U	0.048 U	0.048 U	0.048 U
Heptachlor	µg/L	0.048 U	0.048 U	0.047 U	0.048 U	0.048 U	0.048 U	0.048 U
Heptachlor epoxide	µg/L	0.048 U	0.048 U	0.047 U	0.048 U	0.048 U	0.048 U	0.048 U
Methoxychlor	µg/L	0.096 U	0.095 U	0.094 U	0.095 U	0.097 U	0.097 U	0.095 U
Toxaphene	µg/L	3.8 U	3.8 U	3.8 U	3.8 U	3.9 U	3.9 U	3.8 U
Discrete Compounds		1	0	0	0	0	0	0

Notes:
J - Estimated concentration.
U - Not present at or above the associated value.
UJ - Estimated reporting limit.

TABLE 3.2

2010 ANALYTICAL RESULTS SUMMARY-OVERBURDEN
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

Sample Location:		*8125*	*8125*	*9105*	*9113*	*9118*	*10135*
Sample ID:		*LC-8125-610*	*LC-8205-610*	*LC-9105-610*	*LC9113-610*	*LC-9118-610*	*LC-10135-610*
Sample Date:		*6/15/2010*	*6/15/2010 (Duplicate)*	*6/15/2010*	*6/23/2010*	*6/15/2010*	*6/16/2010*
Parameters	*Units*						
Volatile Organic Compounds							
1,1,1-Trichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloropropane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Hexanone	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	µg/L	20 U	20 U	20 U	20 U	20 U	39
Benzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	3400
Bromodichloromethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromoform	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon disulfide	µg/L	5.0 U	5.0 U	5.0 U	8.3 U	5.0 U	5.0 U
Carbon tetrachloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1300
Chloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform (Trichloromethane)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	160
Chloromethane (Methyl chloride)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	110
cis-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	13
Methylene chloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	38
Styrene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	19
Toluene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	11000
trans-1,2-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	48
trans-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	140
Vinyl acetate	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Vinyl chloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	31
Xylenes (total)	µg/L	15 U	15 U	15 U	15 U	15 U	51
Discrete Compounds		0	0	0	0	0	13

TABLE 3.2

2010 ANALYTICAL RESULTS SUMMARY-OVERBURDEN
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

Sample Location:		*8125*	*8125*	*9105*	*9113*	*9118*	*10135*
Sample ID:		*LC-8125-610*	*LC-8205-610*	*LC-9105-610*	*LC9113-610*	*LC-9118-610*	*LC-10135-610*
Sample Date:		*6/15/2010*	*6/15/2010 (Duplicate)*	*6/15/2010*	*6/23/2010*	*6/15/2010*	*6/16/2010*
Parameters	*Units*						
Semi-volatile Organic Compounds							
1,2,4-Trichlorobenzene	µg/L	10 U	10 U	9.4 U	9.4 U	9.4 U	78 J
1,2-Dichlorobenzene	µg/L	10 U	10 U	9.4 U	9.4 U	9.4 U	57 J
1,3-Dichlorobenzene	µg/L	10 U	10 U	9.4 U	9.4 U	9.4 U	240 U
1,4-Dichlorobenzene	µg/L	10 U	10 U	9.4 U	9.4 U	9.4 U	150 J
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	µg/L	2.0 U	2.1 U	1.9 U	1.9 U	1.9 U	47 U
2,4,5-Trichlorophenol	µg/L	10 U	10 U	9.4 U	9.4 U	9.4 U	240 U
2,4,6-Trichlorophenol	µg/L	10 U	10 U	9.4 U	9.4 U	9.4 U	240 U
2,4-Dichlorophenol	µg/L	2.0 U	2.1 U	1.9 U	1.9 U	1.9 U	780
2,4-Dimethylphenol	µg/L	10 U	10 U	9.4 U	9.4 U	9.4 U	240 U
2,4-Dinitrophenol	µg/L	50 U	52 U	47 U	47 U	47 U	1200 U
2,4-Dinitrotoluene	µg/L	10 U	10 U	9.4 U	9.4 U	9.4 U	240 U
2,6-Dinitrotoluene	µg/L	10 U	10 U	9.4 U	9.4 U	9.4 U	240 U
2-Chloronaphthalene	µg/L	2.0 U	2.1 U	1.9 U	1.9 U	1.9 U	47 U
2-Chlorophenol	µg/L	10 U	10 U	9.4 U	9.4 U	9.4 U	240 U
2-Methylnaphthalene	µg/L	2.0 U	2.1 U	1.9 U	1.9 U	1.9 U	47 U
2-Methylphenol	µg/L	10 U	10 U	9.4 U	9.4 U	9.4 U	42 J
2-Nitroaniline	µg/L	50 U	52 U	47 U	47 U	47 U	1200 U
2-Nitrophenol	µg/L	10 U	10 U	9.4 U	9.4 U	9.4 U	240 U
3,3'-Dichlorobenzidine	µg/L	10 U	10 U	9.4 U	9.4 U	9.4 U	240 U
3-Nitroaniline	µg/L	50 U	52 U	47 U	47 U	47 U	1200 U
4,6-Dinitro-2-methylphenol	µg/L	50 U	52 U	47 U	47 U	47 U	1200 U
4-Bromophenyl phenyl ether	µg/L	10 U	10 U	9.4 U	9.4 U	9.4 U	240 U
4-Chloro-3-methylphenol	µg/L	10 U	10 U	9.4 U	9.4 U	9.4 U	31 J
4-Chloroaniline	µg/L	10 U	10 U	9.4 U	9.4 U	9.4 U	240 U
4-Chlorophenyl phenyl ether	µg/L	10 U	10 U	9.4 U	9.4 U	9.4 U	240 U
4-Methylphenol	µg/L	10 U	10 U	9.4 U	9.4 U	9.4 U	130 J
4-Nitroaniline	µg/L	50 U	52 U	47 U	47 U	47 U	1200 U
4-Nitrophenol	µg/L	50 U	52 U	47 U	47 U	47 U	1200 U
Acenaphthene	µg/L	2.0 U	2.1 U	1.9 U	1.9 U	1.9 U	47 U
Acenaphthylene	µg/L	2.0 U	2.1 U	1.9 U	1.9 U	1.9 U	47 U
Anthracene	µg/L	2.0 U	2.1 U	1.9 U	1.9 U	1.9 U	47 U
Benzo(a)anthracene	µg/L	2.0 U	2.1 U	1.9 U	1.9 U	1.9 U	47 U
Benzo(a)pyrene	µg/L	2.0 U	2.1 U	1.9 U	1.9 U	1.9 U	47 U
Benzo(b)fluoranthene	µg/L	2.0 U	2.1 U	1.9 U	1.9 U	1.9 U	47 U
Benzo(g,h,i)perylene	µg/L	2.0 U	2.1 U	1.9 U	1.9 U	1.9 U	47 U
Benzo(k)fluoranthene	µg/L	2.0 U	2.1 U	1.9 U	1.9 U	1.9 U	47 U
Benzoic acid	µg/L	50 U	52 U	47 U	47 U	47 U	9500
Benzyl alcohol	µg/L	10 U	10 U	9.4 U	9.4 U	9.4 U	610
bis(2-Chloroethoxy)methane	µg/L	10 U	10 U	9.4 U	9.4 U	9.4 U	240 U
bis(2-Chloroethyl)ether	µg/L	2.0 U	2.1 U	1.9 U	1.9 U	1.9 U	34 J
bis(2-Ethylhexyl)phthalate (DEHP)	µg/L	20 U	21 U	19 U	19 U	19 U	470 U
Butyl benzylphthalate (BBP)	µg/L	10 U	10 U	9.4 U	9.4 U	9.4 U	240 U
Chrysene	µg/L	2.0 U	2.1 U	1.9 U	1.9 U	1.9 U	47 U
Dibenz(a,h)anthracene	µg/L	2.0 U	2.1 U	1.9 U	1.9 U	1.9 U	47 U

TABLE 3.2

2010 ANALYTICAL RESULTS SUMMARY-OVERBURDEN
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

Sample Location:		*8125*	*8125*	*9105*	*9113*	*9118*	*10135*
Sample ID:		*LC-8125-610*	*LC-8205-610*	*LC-9105-610*	*LC9113-610*	*LC-9118-610*	*LC-10135-610*
Sample Date:		*6/15/2010*	*6/15/2010 (Duplicate)*	*6/15/2010*	*6/23/2010*	*6/15/2010*	*6/16/2010*
Parameters	*Units*						
Dibenzofuran	µg/L	10 U	10 U	9.4 U	9.4 U	9.4 U	240 U
Diethyl phthalate	µg/L	10 U	10 U	9.4 U	9.4 U	9.4 U	240 U
Dimethyl phthalate	µg/L	10 U	10 U	9.4 U	9.4 U	9.4 U	240 U
Di-n-butylphthalate (DBP)	µg/L	10 U	10 U	9.4 U	9.4 U	9.4 U	240 U
Di-n-octyl phthalate (DnOP)	µg/L	10 U	10 U	9.4 U	9.4 U	9.4 U	240 U
Fluoranthene	µg/L	2.0 U	2.1 U	1.9 U	1.9 U	1.9 U	47 U
Fluorene	µg/L	2.0 U	2.1 U	1.9 U	1.9 U	1.9 U	47 U
Hexachlorobenzene	µg/L	2.0 U	2.1 U	1.9 U	1.9 U	1.9 U	47 U
Hexachlorobutadiene	µg/L	2.0 U	2.1 U	1.9 U	1.9 U	1.9 U	47 U
Hexachlorocyclopentadiene	µg/L	10 U	10 U	9.4 U	9.4 UJ	9.4 U	240 UJ
Hexachloroethane	µg/L	10 U	10 U	9.4 U	9.4 U	9.4 U	240 U
Indeno(1,2,3-cd)pyrene	µg/L	2.0 U	2.1 U	1.9 U	1.9 U	1.9 U	47 U
Isophorone	µg/L	10 U	10 U	9.4 U	9.4 U	9.4 U	240 U
Naphthalene	µg/L	2.0 U	2.1 U	1.9 U	1.9 U	1.9 U	47 U
Nitrobenzene	µg/L	20 U	21 U	19 U	19 U	19 U	470 U
N-Nitrosodi-n-propylamine	µg/L	2.0 U	2.1 U	1.9 U	1.9 U	1.9 U	47 U
N-Nitrosodiphenylamine	µg/L	10 U	10 U	9.4 U	9.4 U	9.4 U	240 U
Pentachlorophenol	µg/L	10 U	10 U	9.4 U	9.4 U	9.4 U	240 U
Phenanthrene	µg/L	2.0 U	2.1 U	1.9 U	1.9 U	1.9 U	47 U
Phenol	µg/L	2.0 U	2.1 U	1.9 U	1.9 U	1.9 U	100
Pyrene	µg/L	2.0 U	2.1 U	1.9 U	1.9 U	1.9 U	47 U
Discrete Compounds		0	0	0	0	0	11
PCBs							
Aroclor-1016 (PCB-1016)	µg/L	0.38 U	0.40 U	0.40 U	0.38 U	0.40 U	0.38 U
Aroclor-1221 (PCB-1221)	µg/L	0.38 U	0.40 U	0.40 U	0.38 U	0.40 U	0.38 U
Aroclor-1232 (PCB-1232)	µg/L	0.38 U	0.40 U	0.40 U	0.38 U	0.40 U	0.38 U
Aroclor-1242 (PCB-1242)	µg/L	0.38 U	0.40 U	0.40 U	0.38 U	0.40 U	0.38 U
Aroclor-1248 (PCB-1248)	µg/L	0.38 U	0.40 U	0.40 U	0.38 U	0.40 U	0.38 U
Aroclor-1254 (PCB-1254)	µg/L	0.38 U	0.40 U	0.40 U	0.38 U	0.40 U	0.38 U
Aroclor-1260 (PCB-1260)	µg/L	0.38 U	0.40 U	0.40 U	0.38 U	0.40 U	0.38 U
Discrete Compounds		0	0	0	0	0	0
Pesticides							
4,4'-DDD	µg/L	0.048 U	0.050 U	0.050 U	0.047 U	0.050 U	0.048 J
4,4'-DDE	µg/L	0.048 U	0.050 U	0.050 U	0.047 U	0.050 U	0.047 U
4,4'-DDT	µg/L	0.048 U	0.050 U	0.050 U	0.047 U	0.050 U	0.047 U
Aldrin	µg/L	0.048 U	0.050 U	0.050 U	0.047 U	0.050 U	0.063 J
alpha-BHC	µg/L	0.048 U	0.050 U	0.050 U	0.047 U	0.050 U	4.0
alpha-Chlordane	µg/L	0.048 U	0.050 U	0.050 U	0.047 U	0.050 U	0.047 U
beta-BHC	µg/L	0.048 U	0.050 U	0.050 U	0.047 U	0.050 U	4.1
delta-BHC	µg/L	0.048 U	0.050 U	0.050 U	0.047 U	0.050 U	0.28
Dieldrin	µg/L	0.048 U	0.050 U	0.050 U	0.047 U	0.050 U	0.047 U
Endosulfan I	µg/L	0.048 U	0.050 U	0.050 U	0.047 U	0.050 U	0.047 U

2010 ANALYTICAL RESULTS SUMMARY-OVERBURDEN
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

Sample Location:		*8125*	*8125*	*9105*	*9113*	*9118*	*10135*
Sample ID:		*LC-8125-610*	*LC-8205-610*	*LC-9105-610*	*LC9113-610*	*LC-9118-610*	*LC-10135-610*
Sample Date:		*6/15/2010*	*6/15/2010 (Duplicate)*	*6/15/2010*	*6/23/2010*	*6/15/2010*	*6/16/2010*
Parameters	*Units*						
Endosulfan II	µg/L	0.048 U	0.050 U	0.050 U	0.047 U	0.050 U	0.047 U
Endosulfan sulfate	µg/L	0.048 U	0.050 U	0.050 U	0.047 U	0.050 U	0.047 U
Endrin	µg/L	0.048 U	0.050 U	0.050 U	0.047 U	0.050 U	0.047 U
Endrin ketone	µg/L	0.048 U	0.050 U	0.050 U	0.047 U	0.050 U	0.047 U
gamma-BHC (lindane)	µg/L	0.048 U	0.050 U	0.050 U	0.047 U	0.050 U	0.92
gamma-Chlordane	µg/L	0.048 U	0.050 U	0.050 U	0.047 U	0.050 U	0.047 U
Heptachlor	µg/L	0.048 U	0.050 U	0.050 U	0.047 U	0.050 U	0.047 U
Heptachlor epoxide	µg/L	0.048 U	0.050 U	0.050 U	0.047 U	0.050 U	0.10 J
Methoxychlor	µg/L	0.095 U	0.10 U	0.10 U	0.094 U	0.099 U	0.094 U
Toxaphene	µg/L	3.8 U	4.0 U	4.0 U	3.8 U	4.0 U	3.8 U
Discrete Compounds		0	0	0	0	0	7

Notes:
J - Estimated concentration.
U - Not present at or above the associated value.
UJ - Estimated reporting limit.

TABLE 3.3

2010 ANALYTICAL RESULTS SUMMARY-BEDROCK
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

Sample Location:		*3257*	*3257*	*5221*	*6209*	*7205*	*8210*	*9205*	*9210*	*10205*	*10210A*
Sample ID:		*LC3257-610*	*LC8225-610*	*LC-5221-610*	*LC6209-610*	*LC-7205-610*	*LC-8210-610*	*LC-9205-610*	*LC-9210-610*	*LC-10205-610*	*LC10210A-610*
Sample Date:		*6/23/2010*	*6/23/2010 (Duplicate)*	*6/16/2010*	*6/23/2010*	*6/16/2010*	*6/15/2010*	*6/16/2010*	*6/16/2010*	*6/16/2010*	*6/24/2010*
Parameters	*Units*										
Volatile Organic Compounds											
1,1,1-Trichloroethane	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethene	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloropropane	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Hexanone	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	ug/L	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	7.8 J	5.2 J
Benzene	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromodichloromethane	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromoform	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon disulfide	ug/L	9.3 U	8.8 U	5.0 U	11 U	5.0 U	5.0 U	5.0 U	1.1 J	1.1 J	5.0 U
Carbon tetrachloride	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroethane	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform (Trichloromethane)	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloromethane (Methyl chloride)	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,3-Dichloropropene	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Toluene	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,2-Dichloroethene	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,3-Dichloropropene	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	6.3
Vinyl acetate	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Vinyl chloride	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Xylenes (total)	ug/L	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U
Discrete Compounds		0	0	0	0	0	0	0	1	2	2

2010 ANALYTICAL RESULTS SUMMARY-BEDROCK
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

Sample Location:		*3257*	*3257*	*5221*	*6209*	*7205*	*8210*	*9205*	*9210*	*10205*	*10210A*
Sample ID:		*LC3257-610*	*LC8225-610*	*LC-5221-610*	*LC6209-610*	*LC-7205-610*	*LC-8210-610*	*LC-9205-610*	*LC-9210-610*	*LC-10205-610*	*LC10210A-610*
Sample Date:		*6/23/2010*	*6/23/2010 (Duplicate)*	*6/16/2010*	*6/23/2010*	*6/16/2010*	*6/15/2010*	*6/16/2010*	*6/16/2010*	*6/16/2010*	*6/24/2010*
Semi-volatile Organic Compounds											
1,2,4-Trichlorobenzene	ug/L	9.4 U	9.6 U	9.4 U	9.6 U	10 U	9.4 U	9.5 U	9.4 U	9.7 U	9.4 U
1,2-Dichlorobenzene	ug/L	9.4 U	9.6 U	9.4 U	9.6 U	10 U	9.4 U	9.5 U	9.4 U	9.7 U	9.4 U
1,3-Dichlorobenzene	ug/L	9.4 U	9.6 U	9.4 U	9.6 U	10 U	9.4 U	9.5 U	9.4 U	9.7 U	9.4 U
1,4-Dichlorobenzene	ug/L	9.4 U	9.6 U	9.4 U	9.6 U	10 U	9.4 U	9.5 U	9.4 U	9.7 U	9.4 U
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	ug/L	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
2,4,5-Trichlorophenol	ug/L	9.4 U	9.6 U	9.4 U	9.6 U	10 U	9.4 U	9.5 U	9.4 U	9.7 U	9.4 U
2,4,6-Trichlorophenol	ug/L	9.4 U	9.6 U	9.4 U	9.6 U	10 U	9.4 U	9.5 U	9.4 U	9.7 U	9.4 U
2,4-Dichlorophenol	ug/L	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
2,4-Dimethylphenol	ug/L	9.4 U	9.6 U	9.4 U	9.6 U	10 U	9.4 U	9.5 U	9.4 U	9.7 U	9.4 U
2,4-Dinitrophenol	ug/L	47 U	48 U	47 U	48 U	50 U	47 U	48 U	47 U	48 U	47 U
2,4-Dinitrotoluene	ug/L	9.4 U	9.6 U	9.4 U	9.6 U	10 U	9.4 U	9.5 U	9.4 U	9.7 U	9.4 U
2,6-Dinitrotoluene	ug/L	9.4 U	9.6 U	9.4 U	9.6 U	10 U	9.4 U	9.5 U	9.4 U	9.7 U	9.4 U
2-Chloronaphthalene	ug/L	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
2-Chlorophenol	ug/L	9.4 U	9.6 U	9.4 U	9.6 U	10 U	9.4 U	9.5 U	9.4 U	9.7 U	9.4 U
2-Methylnaphthalene	ug/L	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
2-Methylphenol	ug/L	9.4 U	9.6 U	9.4 U	9.6 U	10 U	9.4 U	9.5 U	9.4 U	9.7 U	9.4 U
2-Nitroaniline	ug/L	47 U	48 U	47 U	48 U	50 U	47 U	48 U	47 U	48 U	47 U
2-Nitrophenol	ug/L	9.4 U	9.6 U	9.4 U	9.6 U	10 U	9.4 U	9.5 U	9.4 U	9.7 U	9.4 U
3,3'-Dichlorobenzidine	ug/L	9.4 U	9.6 U	9.4 U	9.6 U	10 U	9.4 U	9.5 U	9.4 U	9.7 U	9.4 U
3-Nitroaniline	ug/L	47 U	48 U	47 U	48 U	50 U	47 U	48 U	47 U	48 U	47 U
4,6-Dinitro-2-methylphenol	ug/L	47 U	48 U	47 U	48 U	50 U	47 U	48 U	47 U	48 U	47 U
4-Bromophenyl phenyl ether	ug/L	9.4 U	9.6 U	9.4 U	9.6 U	10 U	9.4 U	9.5 U	9.4 U	9.7 U	9.4 U
4-Chloro-3-methylphenol	ug/L	9.4 U	9.6 U	9.4 U	9.6 U	10 U	9.4 U	9.5 U	9.4 U	9.7 U	9.4 U
4-Chloroaniline	ug/L	9.4 U	9.6 U	9.4 U	9.6 U	10 U	9.4 U	9.5 U	9.4 U	9.7 U	9.4 U
4-Chlorophenyl phenyl ether	ug/L	9.4 U	9.6 U	9.4 U	9.6 U	10 U	9.4 U	9.5 U	9.4 U	9.7 U	9.4 U
4-Methylphenol	ug/L	9.4 U	9.6 U	9.4 U	9.6 U	10 U	9.4 U	9.5 U	9.4 U	9.7 U	9.4 U
4-Nitroaniline	ug/L	47 U	48 U	47 U	48 U	50 U	47 U	48 U	47 U	48 U	47 U
4-Nitrophenol	ug/L	47 U	48 U	47 U	48 U	50 U	47 U	48 U	47 U	48 U	47 U
Acenaphthene	ug/L	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Acenaphthylene	ug/L	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Anthracene	ug/L	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	1.9 U	1.9 U	1.9 U	1.0 J	1.9 U
Benzo(a)anthracene	ug/L	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	1.9 U	1.9 U	1.9 U	6.8	1.9 U
Benzo(a)pyrene	ug/L	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	1.9 U	1.9 U	1.9 U	5.4	1.9 U
Benzo(b)fluoranthene	ug/L	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	1.9 U	1.9 U	1.9 U	5.8	1.9 U
Benzo(g,h,i)perylene	ug/L	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	1.9 U	1.9 U	1.9 U	7.3	1.9 U
Benzo(k)fluoranthene	ug/L	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	1.9 U	1.9 U	1.9 U	7.0	1.9 U
Benzoic acid	ug/L	47 U	48 U	47 UJ	48 U	50 U	47 U	48 U	47 U	48 UJ	47 U
Benzyl alcohol	ug/L	9.4 U	9.6 U	9.4 U	9.6 U	10 U	9.4 U	9.5 U	9.4 U	9.7 U	9.4 U
bis(2-Chloroethoxy)methane	ug/L	9.4 U	9.6 U	9.4 U	9.6 U	10 U	9.4 U	9.5 U	9.4 U	9.7 U	9.4 U
bis(2-Chloroethyl)ether	ug/L	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
bis(2-Ethylhexyl)phthalate (DEHP)	ug/L	19 U	19 U	19 U	19 U	20 U	19 U	19 U	19 U	19 U	19 U
Butyl benzylphthalate (BBP)	ug/L	9.4 U	9.6 U	9.4 U	9.6 U	10 U	9.4 U	9.5 U	9.4 U	3.1 J	9.4 U
Chrysene	ug/L	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	1.9 U	1.9 U	1.9 U	7.4	1.9 U
Dibenz(a,h)anthracene	ug/L	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	1.9 U	1.9 U	1.9 U	7.6	1.9 U
Dibenzofuran	ug/L	9.4 U	9.6 U	9.4 U	9.6 U	10 U	9.4 U	9.5 U	9.4 U	9.7 U	9.4 U
Diethyl phthalate	ug/L	9.4 U	9.6 U	1.4 J	9.6 U	10 U	1.4 J	9.5 U	2.2 J	9.7 U	9.4 U
Dimethyl phthalate	ug/L	9.4 U	9.6 U	9.4 U	9.6 U	10 U	9.4 U	9.5 U	9.4 U	9.7 U	9.4 U
Di-n-butylphthalate (DBP)	ug/L	9.4 U	9.6 U	9.4 U	9.6 U	10 U	9.4 U	9.5 U	9.4 U	9.7 U	9.4 U
Di-n-octyl phthalate (DnOP)	ug/L	9.4 U	9.6 U	9.4 U	9.6 U	10 U	9.4 U	9.5 U	9.4 U	5.1 J	9.4 U
Fluoranthene	ug/L	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	1.9 U	1.9 U	1.9 U	2.6	1.9 U
Fluorene	ug/L	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Hexachlorobenzene	ug/L	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	1.9 U	1.9 U	1.9 U	1.3 J	1.9 U
Hexachlorobutadiene	ug/L	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Hexachlorocyclopentadiene	ug/L	9.4 U	9.6 UJ	9.4 UJ	9.6 UJ	10 U	9.4 U	9.5 U	9.4 U	9.7 UJ	9.4 U
Hexachloroethane	ug/L	9.4 U	9.6 U	9.4 U	9.6 U	10 U	9.4 U	9.5 U	9.4 U	9.7 U	9.4 U

2010 ANALYTICAL RESULTS SUMMARY-BEDROCK
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

Sample Location:		*3257*	*3257*	*5221*	*6209*	*7205*	*8210*	*9205*	*9210*	*10205*	*10210A*
Sample ID:		*LC3257-610*	*LC8225-610*	*LC-5221-610*	*LC6209-610*	*LC-7205-610*	*LC-8210-610*	*LC-9205-610*	*LC-9210-610*	*LC-10205-610*	*LC10210A-610*
Sample Date:		*6/23/2010*	*6/23/2010 (Duplicate)*	*6/16/2010*	*6/23/2010*	*6/16/2010*	*6/15/2010*	*6/16/2010*	*6/16/2010*	*6/16/2010*	*6/24/2010*
Indeno(1,2,3-cd)pyrene	ug/L	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	1.9 U	1.9 U	1.9 U	6.9	1.9 U
Isophorone	ug/L	9.4 U	9.6 U	9.4 U	9.6 U	10 U	9.4 U	9.5 U	9.4 U	9.7 U	9.4 U
Naphthalene	ug/L	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Nitrobenzene	ug/L	19 U	19 U	19 U	19 U	20 U	19 U	19 U	19 U	19 U	19 U
N-Nitrosodi-n-propylamine	ug/L	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
N-Nitrosodiphenylamine	ug/L	9.4 U	9.6 U	9.4 U	9.6 U	10 U	9.4 U	9.5 U	9.4 U	9.7 U	9.4 U
Pentachlorophenol	ug/L	9.4 U	9.6 U	9.4 U	9.6 U	10 U	9.4 U	9.5 U	9.4 U	9.7 U	9.4 U
Phenanthrene	ug/L	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Phenol	ug/L	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Pyrene	ug/L	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	1.9 U	1.9 U	1.9 U	3.3	1.9 U
Discrete Compounds		0	0	1	0	0	1	0	1	14	0

TABLE 3.3

2010 ANALYTICAL RESULTS SUMMARY-BEDROCK
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

Sample Location:			*3257*	*3257*	*5221*	*6209*	*7205*	*8210*	*9205*	*9210*	*10205*	*10210A*
Sample ID:			*LC3257-610*	*LC8225-610*	*LC-5221-610*	*LC6209-610*	*LC-7205-610*	*LC-8210-610*	*LC-9205-610*	*LC-9210-610*	*LC-10205-610*	*LC10210A-610*
Sample Date:			*6/23/2010*	*6/23/2010 (Duplicate)*	*6/16/2010*	*6/23/2010*	*6/16/2010*	*6/15/2010*	*6/16/2010*	*6/16/2010*	*6/16/2010*	*6/24/2010*
PCBs												
Aroclor-1016 (PCB-1016)		ug/L	0.39 U	0.38 U	0.38 U	0.38 U	0.38 U	0.39 U	0.38 U	0.38 U	0.38 U	0.39 U
Aroclor-1221 (PCB-1221)		ug/L	0.39 U	0.38 U	0.38 U	0.38 U	0.38 U	0.39 U	0.38 U	0.38 U	0.38 U	0.39 U
Aroclor-1232 (PCB-1232)		ug/L	0.39 U	0.38 U	0.38 U	0.38 U	0.38 U	0.39 U	0.38 U	0.38 U	0.38 U	0.39 U
Aroclor-1242 (PCB-1242)		ug/L	0.39 U	0.38 U	0.38 U	0.38 U	0.38 U	0.39 U	0.38 U	0.38 U	0.38 U	0.39 U
Aroclor-1248 (PCB-1248)		ug/L	0.39 U	0.38 U	0.38 U	0.38 U	0.38 U	0.39 U	0.38 U	0.38 U	0.38 U	0.39 U
Aroclor-1254 (PCB-1254)		ug/L	0.39 U	0.38 U	0.38 U	0.38 U	0.38 U	0.39 U	0.38 U	0.38 U	0.38 U	0.39 U
Aroclor-1260 (PCB-1260)		ug/L	0.39 U	0.38 U	0.38 U	0.38 U	0.38 U	0.39 U	0.38 U	0.38 U	0.38 U	0.39 U
	Discrete Compounds		0	0	0	0	0	0	0	0	0	0
Pesticides												
4,4'-DDD		ug/L	0.049 UJ	0.048 U	0.048 U	0.048 UJ	0.048 U	0.048 UJ	0.048 U	0.048 U	0.048 U	0.048 UJ
4,4'-DDE		ug/L	0.049 UJ	0.048 U	0.048 U	0.048 UJ	0.048 U	0.048 UJ	0.048 U	0.048 U	0.048 U	0.048 UJ
4,4'-DDT		ug/L	0.049 UJ	0.048 U	0.048 U	0.048 UJ	0.048 U	0.048 UJ	0.048 U	0.048 U	0.048 U	0.048 UJ
Aldrin		ug/L	0.049 UJ	0.048 U	0.048 U	0.048 UJ	0.048 U	0.048 UJ	0.048 U	0.048 U	0.048 U	0.048 UJ
alpha-BHC		ug/L	0.049 UJ	0.048 U	0.048 U	0.048 UJ	0.048 U	0.048 UJ	0.048 U	0.048 U	0.13	0.14 J
alpha-Chlordane		ug/L	0.049 UJ	0.048 U	0.048 U	0.048 UJ	0.048 U	0.048 UJ	0.048 U	0.048 U	0.048 U	0.048 UJ
beta-BHC		ug/L	0.049 UJ	0.048 U	0.048 U	0.048 UJ	0.048 U	0.048 UJ	0.048 U	0.048 U	0.048 U	0.12 J
delta-BHC		ug/L	0.049 UJ	0.048 U	0.048 U	0.048 UJ	0.048 U	0.048 UJ	0.048 U	0.048 U	0.048 U	0.12 J
Dieldrin		ug/L	0.049 UJ	0.048 U	0.048 U	0.048 UJ	0.048 U	0.048 UJ	0.048 U	0.048 U	0.048 U	0.048 UJ
Endosulfan I		ug/L	0.049 UJ	0.048 U	0.048 U	0.048 UJ	0.048 U	0.048 UJ	0.048 U	0.048 U	0.048 U	0.048 UJ
Endosulfan II		ug/L	0.049 UJ	0.048 U	0.048 U	0.048 UJ	0.048 U	0.048 UJ	0.048 U	0.048 U	0.048 U	0.048 UJ
Endosulfan sulfate		ug/L	0.049 UJ	0.048 U	0.048 U	0.048 UJ	0.048 U	0.048 UJ	0.048 U	0.048 U	0.048 U	0.048 UJ
Endrin		ug/L	0.049 UJ	0.048 U	0.048 U	0.048 UJ	0.048 U	0.048 UJ	0.048 U	0.048 U	0.048 U	0.048 UJ
Endrin ketone		ug/L	0.049 UJ	0.048 U	0.048 U	0.048 UJ	0.048 U	0.048 UJ	0.048 U	0.048 U	0.048 U	0.048 UJ
gamma-BHC (lindane)		ug/L	0.049 UJ	0.048 U	0.048 U	0.048 UJ	0.048 U	0.14 J	0.048 U	0.048 U	0.048 U	0.12 J
gamma-Chlordane		ug/L	0.049 UJ	0.048 U	0.048 U	0.048 UJ	0.048 U	0.048 UJ	0.048 U	0.048 U	0.048 U	0.048 UJ
Heptachlor		ug/L	0.049 UJ	0.048 U	0.048 U	0.048 UJ	0.048 U	0.048 UJ	0.048 U	0.048 U	0.048 U	0.048 UJ
Heptachlor epoxide		ug/L	0.049 UJ	0.048 U	0.048 U	0.048 UJ	0.048 U	0.048 UJ	0.048 U	0.048 U	0.048 U	0.048 UJ
Methoxychlor		ug/L	0.098 UJ	0.095 U	0.095 U	0.095 UJ	0.096 U	0.097 UJ	0.095 U	0.095 U	0.095 U	0.097 UJ
Toxaphene		ug/L	3.9 UJ	3.8 U	3.8 U	3.8 UJ	3.8 U	3.9 UJ	3.8 U	3.8 U	3.8 U	3.9 UJ
	Discrete Compounds		0	0	0	0	0	1	0	0	1	4

Notes:
J - Estimated concentration.
U - Not present at or above the associated value.
UJ - Estimated reporting limit.

TABLE 3.3

2010 ANALYTICAL RESULTS SUMMARY-BEDROCK
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

Sample Location:		*10210B*	*10210C*	*10215*	*10225A*	*10225B*	*10225C*	*10270*	*10272*	*10278*
Sample ID:		*LC-10210B-610*	*LC-10210C-610*	*LC-10215-610*	*LC10225A-610*	*LC10225B-610*	*LC-10225C-610*	*LC-10270-610*	*LC-10272-610*	*LC10278-610*
Sample Date:		*6/15/2010*	*6/15/2010*	*6/15/2010*	*6/24/2010*	*6/24/2010*	*6/15/2010*	*6/15/2010*	*6/15/2010*	*6/23/2010*
Parameters	*Units*									
Volatile Organic Compounds										
1,1,1-Trichloroethane	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethene	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloropropane	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Hexanone	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	ug/L	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Benzene	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromodichloromethane	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromoform	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon disulfide	ug/L	4.0 J	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	14 U
Carbon tetrachloride	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.5 J	5.0 U	5.0 U	5.0 U
Chloroethane	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform (Trichloromethane)	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloromethane (Methyl chloride)	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.6 J	5.0 U	5.0 U	5.0 U
cis-1,3-Dichloropropene	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Toluene	ug/L	5.0 U	5.0 U	2.5 J	5.0 U	1.5 J	1.6 J	5.0 U	5.0 U	5.0 U
trans-1,2-Dichloroethene	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,3-Dichloropropene	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	ug/L	5.0 U	5.0 U	5.0 U	5.1	5.0 U	13	5.0 U	5.0 U	5.0 U
Vinyl acetate	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Vinyl chloride	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Xylenes (total)	ug/L	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U
Discrete Compounds		1	0	1	1	1	4	0	0	0

2010 ANALYTICAL RESULTS SUMMARY-BEDROCK
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

Sample Location:		*10210B*	*10210C*	*10215*	*10225A*	*10225B*	*10225C*	*10270*	*10272*	*10278*
Sample ID:		*LC-10210B-610*	*LC-10210C-610*	*LC-10215-610*	*LC10225A-610*	*LC10225B-610*	*LC-10225C-610*	*LC-10270-610*	*LC-10272-610*	*LC10278-610*
Sample Date:		*6/15/2010*	*6/15/2010*	*6/15/2010*	*6/24/2010*	*6/24/2010*	*6/15/2010*	*6/15/2010*	*6/15/2010*	*6/23/2010*
Semi-volatile Organic Compounds										
1,2,4-Trichlorobenzene	ug/L	9.5 U	9.4 U	9.5 U	9.4 U	9.8 U	4.7 J	9.4 U	9.4 U	9.4 U
1,2-Dichlorobenzene	ug/L	9.5 U	9.4 U	9.5 U	9.4 U	9.8 U	0.94 J	9.4 U	9.4 U	9.4 U
1,3-Dichlorobenzene	ug/L	9.5 U	9.4 U	9.5 U	9.4 U	9.8 U	9.5 U	9.4 U	9.4 U	9.4 U
1,4-Dichlorobenzene	ug/L	9.5 UJ	9.4 U	9.5 U	9.4 U	9.8 U	9.5 U	9.4 U	9.4 U	9.4 U
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	ug/L	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	1.9 U	1.9 U	1.9 U	1.9 U
2,4,5-Trichlorophenol	ug/L	9.5 U	9.4 U	9.5 U	9.4 U	9.8 U	9.5 U	9.4 U	9.4 U	9.4 U
2,4,6-Trichlorophenol	ug/L	9.5 U	9.4 U	9.5 U	9.4 U	9.8 U	9.5 U	9.4 U	9.4 U	9.4 U
2,4-Dichlorophenol	ug/L	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	1.9 U	1.9 U	1.9 U	1.9 U
2,4-Dimethylphenol	ug/L	9.5 U	9.4 U	9.5 U	9.4 U	9.8 U	9.5 U	9.4 U	9.4 U	9.4 U
2,4-Dinitrophenol	ug/L	48 U	47 U	48 U	47 U	49 U	48 U	47 U	47 U	47 U
2,4-Dinitrotoluene	ug/L	9.5 U	9.4 U	9.5 U	9.4 U	9.8 U	9.5 U	9.4 U	9.4 U	9.4 U
2,6-Dinitrotoluene	ug/L	9.5 U	9.4 U	9.5 U	9.4 U	9.8 U	9.5 U	9.4 U	9.4 U	9.4 U
2-Chloronaphthalene	ug/L	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	1.9 U	1.9 U	1.9 U	1.9 U
2-Chlorophenol	ug/L	9.5 U	9.4 U	9.5 U	9.4 U	9.8 U	9.5 U	9.4 U	9.4 U	9.4 U
2-Methylnaphthalene	ug/L	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	1.9 U	1.9 U	1.9 U	1.9 U
2-Methylphenol	ug/L	9.5 U	9.4 U	9.5 U	9.4 U	9.8 U	9.5 U	9.4 U	9.4 U	9.4 U
2-Nitroaniline	ug/L	48 U	47 U	48 U	47 U	49 U	48 U	47 U	47 U	47 U
2-Nitrophenol	ug/L	9.5 U	9.4 U	9.5 U	9.4 U	9.8 U	9.5 U	9.4 U	9.4 U	9.4 U
3,3'-Dichlorobenzidine	ug/L	9.5 U	9.4 U	9.5 U	9.4 U	9.8 U	9.5 U	9.4 U	9.4 U	9.4 U
3-Nitroaniline	ug/L	48 U	47 U	48 U	47 U	49 U	48 U	47 U	47 U	47 U
4,6-Dinitro-2-methylphenol	ug/L	48 U	47 U	48 U	47 U	49 U	48 U	47 U	47 U	47 U
4-Bromophenyl phenyl ether	ug/L	9.5 U	9.4 U	9.5 U	9.4 U	9.8 U	9.5 U	9.4 U	9.4 U	9.4 U
4-Chloro-3-methylphenol	ug/L	9.5 U	9.4 U	9.5 U	9.4 U	9.8 U	9.5 U	9.4 U	9.4 U	9.4 U
4-Chloroaniline	ug/L	9.5 U	9.4 U	9.5 U	9.4 U	9.8 U	9.5 U	9.4 U	9.4 U	9.4 U
4-Chlorophenyl phenyl ether	ug/L	9.5 U	9.4 U	9.5 U	9.4 U	9.8 U	9.5 U	9.4 U	9.4 U	9.4 U
4-Methylphenol	ug/L	9.5 U	9.4 U	9.5 U	9.4 U	9.8 U	9.5 U	9.4 U	9.4 U	9.4 U
4-Nitroaniline	ug/L	48 U	47 U	48 U	47 U	49 U	48 U	47 U	47 U	47 U
4-Nitrophenol	ug/L	48 U	47 U	48 U	47 U	49 U	48 U	47 U	47 U	47 U
Acenaphthene	ug/L	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	1.9 U	1.9 U	1.9 U	1.9 U
Acenaphthylene	ug/L	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	1.9 U	1.9 U	1.9 U	1.9 U
Anthracene	ug/L	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(a)anthracene	ug/L	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(a)pyrene	ug/L	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(b)fluoranthene	ug/L	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(g,h,i)perylene	ug/L	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(k)fluoranthene	ug/L	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	1.9 U	1.9 U	1.9 U	1.9 U
Benzoic acid	ug/L	48 UJ	47 UJ	48 UJ	47 U	49 U	48 UJ	47 UJ	47 UJ	47 U
Benzyl alcohol	ug/L	9.5 U	9.4 U	9.5 U	9.4 U	9.8 U	9.5 U	9.4 U	9.4 U	9.4 U
bis(2-Chloroethoxy)methane	ug/L	9.5 U	9.4 U	9.5 U	9.4 U	9.8 U	9.5 U	9.4 U	9.4 U	9.4 U
bis(2-Chloroethyl)ether	ug/L	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	1.9 U	1.9 U	1.9 U	1.9 U
bis(2-Ethylhexyl)phthalate (DEHP)	ug/L	19 U	19 U	19 U	19 U	20 U	19 U	19 U	19 U	19 U
Butyl benzylphthalate (BBP)	ug/L	9.5 U	9.4 U	9.5 U	9.4 U	9.8 U	9.5 U	9.4 U	9.4 U	9.4 U
Chrysene	ug/L	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	1.9 U	1.9 U	1.9 U	1.9 U
Dibenz(a,h)anthracene	ug/L	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	1.9 U	1.9 U	1.9 U	1.9 U
Dibenzofuran	ug/L	9.5 U	9.4 U	9.5 U	9.4 U	9.8 U	9.5 U	9.4 U	9.4 U	9.4 U
Diethyl phthalate	ug/L	9.5 U	4.4 J	5.0 J	9.4 U	9.8 U	9.5 U	9.4 U	9.4 U	9.4 U
Dimethyl phthalate	ug/L	9.5 U	0.87 J	9.5 U	9.4 U	9.8 U	9.5 U	9.4 U	9.4 U	9.4 U
Di-n-butylphthalate (DBP)	ug/L	9.5 U	9.4 U	9.5 U	9.4 U	9.8 U	9.5 U	9.4 U	9.4 U	9.4 U
Di-n-octyl phthalate (DnOP)	ug/L	9.5 U	9.4 U	9.5 U	9.4 U	9.8 U	9.5 U	9.4 U	9.4 U	9.4 U
Fluoranthene	ug/L	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	1.9 U	1.9 U	1.9 U	1.9 U
Fluorene	ug/L	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	1.9 U	1.9 U	1.9 U	1.9 U
Hexachlorobenzene	ug/L	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	1.9 U	1.9 U	1.9 U	1.9 U
Hexachlorobutadiene	ug/L	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	1.9 U	1.9 U	1.9 U	1.9 U
Hexachlorocyclopentadiene	ug/L	9.5 UJ	9.4 UJ	9.5 UJ	9.4 U	9.8 U	9.5 UJ	9.4 UJ	9.4 UJ	9.4 U
Hexachloroethane	ug/L	9.5 U	9.4 U	9.5 U	9.4 U	9.8 U	9.5 U	9.4 U	9.4 U	9.4 U

2010 ANALYTICAL RESULTS SUMMARY-BEDROCK
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

Sample Location:		*10210B*	*10210C*	*10215*	*10225A*	*10225B*	*10225C*	*10270*	*10272*	*10278*
Sample ID:		*LC-10210B-610*	*LC-10210C-610*	*LC-10215-610*	*LC10225A-610*	*LC10225B-610*	*LC-10225C-610*	*LC-10270-610*	*LC-10272-610*	*LC10278-610*
Sample Date:		*6/15/2010*	*6/15/2010*	*6/15/2010*	*6/24/2010*	*6/24/2010*	*6/15/2010*	*6/15/2010*	*6/15/2010*	*6/23/2010*
Indeno(1,2,3-cd)pyrene	ug/L	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	1.9 U	1.9 U	1.9 U	1.9 U
Isophorone	ug/L	9.5 U	9.4 U	9.5 U	9.4 U	9.8 U	9.5 U	9.4 U	9.4 U	9.4 U
Naphthalene	ug/L	1.9 U	1.9 U	1.9 U	0.46 J	2.0 U	1.9 U	1.9 U	1.9 U	1.9 U
Nitrobenzene	ug/L	19 U	19 U	19 U	19 U	20 U	19 U	19 U	19 U	19 U
N-Nitrosodi-n-propylamine	ug/L	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	1.9 U	1.9 U	1.9 U	1.9 U
N-Nitrosodiphenylamine	ug/L	9.5 U	9.4 U	9.5 U	9.4 U	9.8 U	9.5 U	9.4 U	9.4 U	9.4 U
Pentachlorophenol	ug/L	9.5 U	9.4 U	9.5 U	9.4 U	9.8 U	9.5 U	9.4 U	9.4 U	9.4 U
Phenanthrene	ug/L	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	1.9 U	1.9 U	1.9 U	1.9 U
Phenol	ug/L	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	1.9 U	1.9 U	1.9 U	1.9 U
Pyrene	ug/L	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	1.9 U	1.9 U	1.9 U	1.9 U
Discrete Compounds		0	2	1	1	0	2	0	0	0

2010 ANALYTICAL RESULTS SUMMARY-BEDROCK
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

Sample Location:			*10210B*	*10210C*	*10215*	*10225A*	*10225B*	*10225C*	*10270*	*10272*	*10278*
Sample ID:			*LC-10210B-610*	*LC-10210C-610*	*LC-10215-610*	*LC10225A-610*	*LC10225B-610*	*LC-10225C-610*	*LC-10270-610*	*LC-10272-610*	*LC10278-610*
Sample Date:			*6/15/2010*	*6/15/2010*	*6/15/2010*	*6/24/2010*	*6/24/2010*	*6/15/2010*	*6/15/2010*	*6/15/2010*	*6/23/2010*
PCBs											
Aroclor-1016 (PCB-1016)		ug/L	0.38 U	0.38 U	0.38 U	0.39 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1221 (PCB-1221)		ug/L	0.38 U	0.38 U	0.38 U	0.39 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1232 (PCB-1232)		ug/L	0.38 U	0.38 U	0.38 U	0.39 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1242 (PCB-1242)		ug/L	0.38 U	0.38 U	0.38 U	0.39 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1248 (PCB-1248)		ug/L	0.38 U	0.38 U	0.38 U	0.39 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1254 (PCB-1254)		ug/L	0.38 U	0.38 U	0.38 U	0.39 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1260 (PCB-1260)		ug/L	0.38 U	0.38 U	0.38 U	0.39 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
	Discrete Compounds		0	0	0	0	0	0	0	0	0
Pesticides											
4,4'-DDD		ug/L	0.048 UJ	0.048 UJ	0.048 U	0.048 UJ	0.048 UJ	0.048 U	0.048 U	0.048 U	0.048 UJ
4,4'-DDE		ug/L	0.048 UJ	0.048 UJ	0.048 U	0.048 UJ	0.048 UJ	0.048 U	0.048 U	0.048 U	0.048 UJ
4,4'-DDT		ug/L	0.048 UJ	0.048 UJ	0.048 U	0.048 UJ	0.048 UJ	0.048 U	0.048 U	0.048 U	0.048 UJ
Aldrin		ug/L	0.048 UJ	0.048 UJ	0.048 U	0.048 UJ	0.048 UJ	0.048 U	0.048 U	0.048 U	0.048 UJ
alpha-BHC		ug/L	0.048 UJ	0.048 UJ	0.048 U	0.048 UJ	0.048 UJ	0.048 U	0.048 U	0.048 U	0.048 UJ
alpha-Chlordane		ug/L	0.048 UJ	0.048 UJ	0.048 U	0.048 UJ	0.048 UJ	0.048 U	0.048 U	0.048 U	0.048 UJ
beta-BHC		ug/L	0.048 UJ	0.048 UJ	0.048 U	0.048 UJ	0.048 UJ	0.048 U	0.048 U	0.048 U	0.048 UJ
delta-BHC		ug/L	0.050 J	0.048 UJ	0.037 J	0.048 UJ	0.048 UJ	0.048 U	0.048 U	0.048 U	0.048 UJ
Dieldrin		ug/L	0.048 UJ	0.048 UJ	0.048 U	0.048 UJ	0.048 UJ	0.048 U	0.048 U	0.048 U	0.048 UJ
Endosulfan I		ug/L	0.048 UJ	0.048 UJ	0.048 U	0.048 UJ	0.048 UJ	0.048 U	0.048 U	0.048 U	0.048 UJ
Endosulfan II		ug/L	0.048 UJ	0.048 UJ	0.048 U	0.048 UJ	0.048 UJ	0.048 U	0.048 U	0.048 U	0.048 UJ
Endosulfan sulfate		ug/L	0.048 UJ	0.048 UJ	0.048 U	0.048 UJ	0.048 UJ	0.048 U	0.048 U	0.048 U	0.048 UJ
Endrin		ug/L	0.048 UJ	0.048 UJ	0.048 U	0.048 UJ	0.048 UJ	0.048 U	0.048 U	0.048 U	0.048 UJ
Endrin ketone		ug/L	0.048 UJ	0.048 UJ	0.048 U	0.048 UJ	0.048 UJ	0.048 U	0.048 U	0.048 U	0.048 UJ
gamma-BHC (lindane)		ug/L	0.048 UJ	0.048 UJ	0.048 U	0.048 UJ	0.048 UJ	0.048 U	0.048 U	0.048 U	0.048 UJ
gamma-Chlordane		ug/L	0.048 UJ	0.048 UJ	0.048 U	0.048 UJ	0.048 UJ	0.048 U	0.048 U	0.048 U	0.048 UJ
Heptachlor		ug/L	0.048 UJ	0.048 UJ	0.048 U	0.048 UJ	0.048 UJ	0.048 U	0.048 U	0.048 U	0.048 UJ
Heptachlor epoxide		ug/L	0.048 UJ	0.048 UJ	0.048 U	0.048 UJ	0.048 UJ	0.048 U	0.048 U	0.048 U	0.048 UJ
Methoxychlor		ug/L	0.095 UJ	0.096 UJ	0.095 U	0.097 UJ	0.095 UJ	0.095 U	0.095 U	0.095 U	0.096 UJ
Toxaphene		ug/L	3.8 UJ	3.8 UJ	3.8 U	3.9 UJ	3.8 UJ	3.8 U	3.8 U	3.8 U	3.8 UJ
	Discrete Compounds		1	0	1	0	0	0	0	0	0

Notes:
J - Estimated concentration.
U - Not present at or above the associated value.
UJ - Estimated reporting limit.

TABLE 3.4

SUMMARY OF DETECTED COMPOUNDS - 2010
LOVE CANAL LONG-TERM GROUNDWATER MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

Overburden Wells	*Well Group*	*VOCs*	*SVOCs*	*Pesticides/PCBs*
7115	***B-II***	U	1	1
7125	***B-II***	U	U	U
7130	***A***	U	U	U
7132	***A***	U	U	U
8106	***X***	U	U	U
8115	***B-II***	U	U	U
8125	***B-II***	U	U	U
9105	***B-II***	U	U	U
9113	***B-II***	U	U	U
9118	***A***	U	U	U
10135	***A***	13	11	7
Subtotal Overburden Wells		13	12	8

Bedrock Wells		*VOCs*	*SVOCs*	*Pesticides/PCBs*
3257	***X***	U	U	U
5221	***X***	U	1	U
6209	***X***	U	U	U
7205	***A***	U	U	U
8210	***A***	U	1	1
9205	***A***	U	U	U
9210	***A***	1	1	U
10205	***A***	2	14	1
10210A	***A***	2	U	4
10210B	***A***	1	U	1
10210C	***A***	U	2	U
10215	***X***	1	1	1
10225A	***A***	1	1	U
10225B	***A***	1	U	U
10225C	***A***	4	2	U
10270	***X***	U	U	U
10272	***A***	U	U	U
10278	***A***	U	U	U
Subtotal Bedrock Wells		13	23	8
Total # of Detections		26	35	16

Notes:

U	No parameters detected at or above detection limits.
A	Annual Well.
B-I	Biannual Well Group I.
B-II	Biannual Well Group II.
X	Additional Well.

TABLE 3.5
SUMMARY OF DETECTED COMPOUNDS IN SELECT WELLS
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

Well Number:	*10210A*																			
SampleDate:	07/24/90	08/22/91	08/26/92	08/11/93	05/25/95	07/01/96	07/10/97	06/26/98	06/23/99	06/21/00	05/18/01	06/13/02	05/27/03	06/03/04	06/28/05	07/06/06	07/26/07	07/17/08	07/15/09	06/24/10
Volatiles (ug/L)																				
1,1,2,2-Tetrachloroethane																				
1,1,2-Trichloroethane																				
1,1-Dichloroethane																				
1,2-Dichloroethene (total)																				
2-Butanone									2J					4J						
2-Hexanone									3J											
Acetone	14C			13B				120J			10J									5.2 J
Benzene																				
Carbon Disulfide					20	310					6J			6J	1.6 J	1 J	8J	24		
Chlorobenzene																				
Chloroform																				
Ethylbenzene																				
Methylene Chloride																				
Tetrachloroethene																				
Toluene									2J						2.3 J					
Trichloroethene																				6.3
Vinyl Acetate																				
Vinyl Chloride																				
Xylene (total)																				
Semi-volatiles (ug/L)																				
1,2,4-Trichlorobenzene																				
1,2-Dichlorobenzene																				
1,3-Dichlorobenzene																				
1,4-Dichlorobenzene																				
2-Butanone (Methyl Ethyl Ketone)												3J								
2,4,5-Trichlorophenol																				
2,4,6-Trichlorophenol																				
2,4-Dichlorophenol																				
2,4-Dimethylphenol																				
2-Chloronaphthalene																				
2-Chlorophenol																				
2-Methylphenol																				
2-Nitrophenol																				
4-Chloro-3-methylphenol																				
4-Methylphenol																				
Benzoic Acid							12J							3J	2.7 J				5.8 J	
Benzyl Alcohol																				
Bis(2-Chloroethyl)Ether																				
bis(2-Ethylhexyl)Phthalate		12	21	31	51									1J	1.7 J	8 J			2.5 J	
Diethyl phthalate																				
Dimethyl Phthalate	16																			
Di-n-Octyl Phthalate	3B																			
Hexachlorobenzene																				
Naphthalene																				
Pentachlorophenol																				
Phenol									1J					1J	1.7 J					
Pesticides/PCBs (ug/L)																				
4,4'-DDD																				
Aldrin																				
Alpha-BHC									0.28											0.14 J
Alpha-Chlordane																				
Beta-BHC									0.035J					0.011J				0.015 J		0.12 J
Delta-BHC														0.043J						0.12 J
Dieldrin																				
Endosulfan I									0.046J											
Endosulfan II																				
Endosulfan Sulfate																				
Endrin																				
Gamma-BHC (Lindane)									0.10J											0.12 J
Gamma-Chlordane																				
Heptachlor																				
Heptachlor epoxide																				

TABLE 3.5
SUMMARY OF DETECTED COMPOUNDS IN SELECT WELLS
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

Well Number:	*10210B*																				
SampleDate:	07/24/90	08/22/91	08/26/92	08/11/93	06/15/94	06/01/95	07/05/96	07/01/97	06/18/98	06/24/99	06/15/00	05/17/01	06/10/02	05/23/03	06/07/04	06/24/05	06/28/06	07/26/07	07/17/08	07/15/09	6/15/10
Volatiles (ug/L)																					
1,1,2,2-Tetrachloroethane																					
1,1,2-Trichloroethane																					
1,1-Dichloroethane																					
1,2-Dichloroethene (total)																					
2-Butanone														23							
2-Hexanone																					
Acetone			31		12B	23						12J									
Benzene																					
Carbon Disulfide									8J	2J		14	3J	2 J		1.4 J	1 J	6J			4.0 J
Chlorobenzene															1J						
Chloroform																					
Ethylbenzene																					
Methylene Chloride																					
Tetrachloroethene															9J						
Toluene										2J	1J					1.1 J					
Trichloroethene																					
Vinyl Acetate																					
Vinyl Chloride																					
Xylene (total)																					
Semi-volatiles (ug/L)																					
1,2,4-Trichlorobenzene														3 J							
1,2-Dichlorobenzene																					
1,3-Dichlorobenzene																					
1,4-Dichlorobenzene																					
2-Butanone (Methyl Ethyl Ketone)																					
2,4,5-Trichlorophenol																					
2,4,6-Trichlorophenol																					
2,4-Dichlorophenol																					
2,4-Dimethylphenol																					
2-Chloronaphthalene																					
2-Chlorophenol																					
2-Methylphenol																					
2-Nitrophenol																					
4-Chloro-3-methylphenol																					
4-Methylphenol																					
Benzoic Acid																	2 J				
Benzyl Alcohol																					
Bis(2-Chloroethyl)Ether																					
bis(2-Ethylhexyl)Phthalate	7B	13		11				55	6J						4J	4.5 J	3 J				
Diethyl phthalate																					
Dimethyl Phthalate																					
Di-n-Octyl Phthalate												3J									
Hexachlorobenzene														1 J							
Naphthalene																					
Pentachlorophenol																					
Phenol		3																			
Pesticides/PCBs (ug/L)																					
4,4'-DDD															0.011J						
Aldrin																	0.0089J				
Alpha-BHC														19		0.37	0.58	0.016J		0.064/0.050	
Alpha-Chlordane																					
Beta-BHC														1.9	0.53	0.082 p	0.082				
Delta-BHC														0.56 J	0.15		0.047 J			0.032 J/0.028 J	0.050 J
Dieldrin														0.13 J							
Endosulfan I														0.11 J							
Endosulfan II																					
Endosulfan Sulfate																					
Endrin																					
Gamma-BHC (Lindane)														2.1	0.39	0.046 J	0.099			0.038 J/0.033 J	
Gamma-Chlordane														0.15 J							
Heptachlor														0.35 J							
Heptachlor epoxide																					

TABLE 3.5
SUMMARY OF DETECTED COMPOUNDS IN SELECT WELLS
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

Well Number:	*10210C*																				
SampleDate:	07/25/90	08/22/91	08/26/92	08/11/93	06/08/94	06/01/95	07/01/96	07/01/97	06/22/98	06/24/99	06/15/00	05/17/01	06/10/02	05/23/03	06/07/04	06/23/05	06/28/06	07/26/07	07/16/08	07/15/09	06/15/10
Volatiles (ug/L)																					
1,1,2,2-Tetrachloroethane																					
1,1,2-Trichloroethane																					
1,1-Dichloroethane																					
1,2-Dichloroethene (total)																					
2-Butanone																					
2-Hexanone																					
Acetone			10B	23B	19B					2100	8J	9J				1.9 J					
Benzene																					
Carbon Disulfide											3J								2 J		
Chlorobenzene																	2 J				
Chloroform																					
Ethylbenzene																					
Methylene Chloride																					
Tetrachloroethene																	6 J				
Toluene															29						
Trichloroethene																					
Vinyl Acetate																					
Vinyl Chloride																					
Xylene (total)																					
Semi-volatiles (ug/L)																					
1,2,4-Trichlorobenzene																	6 J				
1,2-Dichlorobenzene																					
1,3-Dichlorobenzene																					
1,4-Dichlorobenzene																					
2-Butanone (Methyl Ethyl Ketone)																					
2,4,5-Trichlorophenol																					
2,4,6-Trichlorophenol																					
2,4-Dichlorophenol																					
2,4-Dimethylphenol																					
2-Chloronaphthalene																					
2-Chlorophenol																					
2-Methylphenol																					
2-Nitrophenol																					
4-Chloro-3-methylphenol																					
4-Methylphenol						29	110	62	0.6J												
Benzoic Acid																					
Benzyl Alcohol																					
Bis(2-Chloroethyl)Ether																					
bis(2-Ethylhexyl)Phthalate	7B	13		38											5J		5 J				
Diethyl phthalate																					4.4 J
Dimethyl Phthalate																					0.87 J
Di-n-Octyl Phthalate																					
Hexachlorobenzene																					
Naphthalene																					
Pentachlorophenol																					
Phenol		6				22		22													
Pesticides/PCBs (ug/L)																					
4,4'-DDD																					
Aldrin																	0.061 J				
Alpha-BHC																0.083	0.45 J				
Alpha-Chlordane																					
Beta-BHC															0.017J		0.048 J				
Delta-BHC																	0.052 J			0.048 J	
Dieldrin																					
Endosulfan I																					
Endosulfan II																					
Endosulfan Sulfate																					
Endrin																	0.14 J				
Gamma-BHC (Lindane)																	0.11 J				
Gamma-Chlordane																	0.018 J				
Heptachlor																					
Heptachlor epoxide																					

TABLE 3.5
SUMMARY OF DETECTED COMPOUNDS IN SELECT WELLS
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

Well Number:	*10135*																		
SampleDate:	08/26/92	08/19/93	06/22/94	06/01/95	06/27/96	07/07/97	06/17/98	06/16/99	06/22/00	05/11/01	06/12/02	05/19/03	05/28/04	06/17/05	06/26/06	07/18/07	07/23/08	07/15/09	06/16/10
Volatiles (ug/L)																			
1,1,2,2-Tetrachloroethane		12			26		94J	32/29	27J/26J	100J/120J	500U/56	38				16J		24/25	
1,1,2-Trichloroethane					14		29J	15/12	14J/16J	29J/34J	500U/27					15J		8.7 J/9.1 J	
1,1-Dichloroethane		15						4J/3J	4J/4J	4J/4J	500U/4J	3 J				2J			
1,2-Dichloroethene (total)	700	840			560		58J	67/70	67J/70J	60J/59J		490 J			682 J	50J	111 J	106/109	158
2-Butanone		5200							10UJ/10J	12J/11J								5.8 J/6.1 J	
2-Hexanone																			
Acetone		270	100B		60		110J		28J/46J		500U/72	74			200 J	53J		42/37	39
Benzene			6000E	4900D	4800	5600/5000	5300J	5600/5700	6400/6900J	7600/8500J	5900/6400	5500			6800	7100	5300	7600/7500	3400
Carbon Disulfide								ND/2J								2J			
Chlorobenzene	2600	1700		2000D	1500	2300/ND	1900J	1800/1900	2300J/2300J	2700J/3000J	2200/2400	1900		2000	2400	2100	1400	2900 J/3000 J	1300
Chloroform		100			110		150J	120/110	100J/130J	150J/160J	500U/160	110			110 J	140J	99 J	96/97	160
Ethylbenzene		13					12	10J/9J	12J/12J	22J/24J	500U/15	10				10J		10/10	13
Methylene Chloride		41			11				24J/24J		500U/39	26			44 J	32J		25/24	38
Tetrachloroethene							40J	13/12	16J/14J	50J/61J	500U/38	18				13J		14/14	19
Toluene	2700	1700E	21500BE	18000D	14000	19000/17000	16000J	16000/17000	21000J/21000J	22000/24000	20000J/19000	15000		16000	21000	23000	13000	24000/24000	11000
Trichloroethene		24			36		170J	70/58	60J/72J	140J/180J	130J/160	91			46 J	89J	27 J	89/91	140
Vinyl Acetate	6800		12B																
Vinyl Chloride					50		48J	62/61	110J/85J	75J/66J	500U/48	51						27/17	31
Xylene (total)		47	10B		28		55J	43/44	42J/44J		500U/51	29				37J		44/53	51
Semi-volatiles (ug/L)																			
1,2,4-Trichlorobenzene		74	87B				78J	65J/45J	45J/36J	42J/65J		97 J		4.5 J	63	47J	28	110/110	78 J
1,2-Dichlorobenzene		35						30J/24J	22J/18J	ND/48J		59 J		36 J	37	31J	10 J	52/68	57 J
1,3-Dichlorobenzene															3 J	87J		4.1 J/5.5 J	
1,4-Dichlorobenzene	110	94	91					74J/61J	59J/52J	69J/110J		160 J		100 J	100	84J	24	100 J/150 J	150 J
2-Butanone (Methyl Ethyl Ketone)																		5.8 J/6.1 J	
2,4,5-Trichlorophenol		70					38J		0.9J/ND						8 J				
2,4,6-Trichlorophenol									1J/ND								6 J	23/28	
2,4-Dichlorophenol	1200B	420	610	150		2100/2100	2000	610/690	1400J/470J	620J/1200J	1500J/1800J	1700		420	250	490	150	1100/1200	780
2,4-Dimethylphenol									ND/2J										
2-Chloronaphthalene				150						370J/550J									
2-Chlorophenol							28J	25J/ND							18		17 J	26/31	
2-Methylphenol		51					55J	35J/42J	160J/ND	ND/41J		50 J		25 J	33	34J	140	50 J/66 J	42 J
2-Nitrophenol									ND/1J										
4-Chloro-3-methylphenol								33J/25J				41 J					26	97/95	31 J
4-Methylphenol		80					130J	120/95J	99J/300J	86J/130J		210 J		49 J		120J	110	140 J/170 J	130 J
Benzoic Acid				6400D	4000	30000J/27000J	23000J	5000/4300	19000J/4700J	4400J/6200J	25000/31000	26000		1400 J	14000 J	14000	7600 J	54000 J/39000 J	9500
Benzyl Alcohol				380		1900/1600	2700	540/680	14000/3200J	330J/630J	1700J/2000	640		23 J	48	580	38	1200/1300	610
Bis(2-Chloroethyl)Ether		23					24J	26J/25J						24 J	24	30J	16 J	28/29	34 J
bis(2-Ethylhexyl)Phthalate		50							41J/24/J						53			4.4 J/4.2 J	
Diethyl phthalate																			
Dimethyl Phthalate																			
Di-n-Octyl Phthalate																			
Hexachlorobenzene																			
Naphthalene								2000J/1400J	4000J/1800J	1100/1400				1800 J					
Pentachlorophenol		52																	
Phenol		96	91	140				120/96J		ND/51J		180 J			140	130J	96	140 J/160 J	100
Pesticides/PCBs (ug/L)																			
4,4'-DDD								0.020J/0.21	0.071J/0.13J					0.19 J		0.081J	0.13 J		0.048 J
Aldrin	0.53	0.24P						0.21J/0.74JN		0.95JN/1.5JN	0.12J/0.12J					0.073J	0.052 J	0.55 J/0.55 J	0.063 J
Alpha-BHC	84	42C	24CEP	28D	29	39/39	59	37J/40	50/50	43J/50J	39/43	49		15		12	17	27 J/32 J	4.0
Alpha-Chlordane											0.031J/0.017J					0.011J			
Beta-BHC				10D	11	8.1/8.6	12	11J/12	15/16	16J/16J	13J/14J	15 J		3.4	7.1	3.2	4.4	9.1 J/11 J	4.1
Delta-BHC	15	9.8P	7.5CE	4.7	5.2	ND/5.1	8.9	9.6J/11	14/13	10J/12J	9.0J/11J	12		9.1	13	4.7	6.3	11 J/12	0.28
Dieldrin																			
Endosulfan I								0.43J/0.34		1.5JN/1.6JN									
Endosulfan II									0.52J/0.69J					0.15 J				1.6 J/2.3	
Endosulfan Sulfate		0.43P						0.17J/0.18	0.17J/0.10UJ			1.3 J				0.34J	0.37 J	1.5 J	
Endrin			0.15P													0.034J		1.3 J/1.9	
Gamma-BHC (Lindane)	33	19.5	20.4CE			13.2/14.8	6.5J	4.1J/5.5	8.0/6.4	5J/7.3	6.1J/7.1J	7.1			4.8	2.1	2	6.2 J/7.4 J	0.92
Gamma-Chlordane									0.16J/0.18J		0.34J/0.29J				.33 J	0.017J			
Heptachlor								0.68JN/0.63				0.61 J		0.053		0.092J	0.19 J		
Heptachlor epoxide								0.058J/0.043J	0.029J/0.031J		0.016J/0.025J	2.2 J				0.29	0.13 J	1.6 J/1.7 J	0.10 J

TABLE 3.6A

1140 SERIES PIEZOMETERS WATER LEVELS-2010
LOVE CANAL LONG-TERM MONITORING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION

A WELLS

Well (1) / *Date*	**1144** *(ft. AMSL)*	**1143** *(ft. AMSL)*	**1142** *(ft. AMSL)*	**1141** *(ft. AMSL)*	**Tile Drain** *(ft. AMSL)*	**1140** *(ft. AMSL)*
March-10	573.23	571.98	570.93	566.56	561.70	564.99
June-10	571.48	571.05	570.59	566.46	561.70	564.28
September-10	569.26	569.65	569.64	566.17	561.70	564.18
December-10	570.18	569.47	569.17	565.90	561.70	564.24

B WELLS

Well (1) / *Date*	**1144** *(ft. AMSL)*	**1143** *(ft. AMSL)*	**1142** *(ft. AMSL)*	**1141** *(ft. AMSL)*	**Tile Drain** *(ft. AMSL)*	**1140** *(ft. AMSL)*
March-10	573.76	571.46	568.05	567.06	561.70	565.06
June-10	571.46	571.24	568.21	567.06	561.70	564.76
September-10	569.16	569.69	567.81	566.68	561.70	564.50
December-10	571.23	569.25	567.34	566.19	561.70	564.59

C WELLS

Well (1) / *Date*	**1144** *(ft. AMSL)*	**1143** *(ft. AMSL)*	**1142** *(ft. AMSL)*	**Tile Drain** *(ft. AMSL)*
March-10	572.56	569.61	566.54	561.70
June-10	571.31	569.73	566.59	561.70
September-10	569.23	568.89	566.39	561.70
December-10	570.50	568.23	566.10	561.70

D WELLS

Well (1) / *Date*	**1144** *(ft. AMSL)*	**1143** *(ft. AMSL)*	**Tile Drain** *(ft. AMSL)*
March-10	570.20	568.53	561.70
June-10	570.36	568.70	561.70
September-10	569.20	568.25	561.70
December-10	568.27	567.63	561.70

Note:
(1) = Wells listed in order from most distant outside of tile drain, to tile drain, then inside of tile drain.

TABLE 3.6B

1150 SERIES PIEZOMETERS WATER LEVELS-2010
LOVE CANAL LONG-TERM MONITORING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION

A WELLS

Well (1)	**1154**	**1153**	**1151**	**Tile Drain**
Date	*(ft. AMSL)*	*(ft. AMSL)*	*(ft. AMSL)*	*(ft. AMSL)*
March-10	571.78	571.27	567.14	561.85
June-10	570.40	568.95	567.09	561.85
September-10	569.45	568.85	567.05	561.85
December-10	569.01	569.26	567.11	561.85

B WELLS

Well (1)	**1154**	**1153**	**1151**	**Tile Drain**
Date	*(ft. AMSL)*	*(ft. AMSL)*	*(ft. AMSL)*	*(ft. AMSL)*
March-10	568.02	569.49	567.81	561.85
June-10	567.76	568.71	568.05	561.85
September-10	567.71	569.05	567.43	561.85
December-10	568.05	572.76	567.70	561.85

C WELLS

Well (1)	**1154**	**1153**	**1151**	**Tile Drain**
Date	*(ft. AMSL)*	*(ft. AMSL)*	*(ft. AMSL)*	*(ft. AMSL)*
March-10	568.47	577.01	569.26	561.85
June-10	568.16	570.62	569.14	561.85
September-10	567.90	569.65	567.66	561.85
December-10	567.90	574.15	567.51	561.85

D WELLS

Well (1)	**1153**	**1154**	**Tile Drain**
Date	*(ft. AMSL)*	*(ft. AMSL)*	*(ft. AMSL)*
March-10	574.32	569.50	561.85
June-10	571.08	568.24	561.85
September-10	569.76	567.81	561.85
December-10	572.34	568.40	561.85

E WELLS

Well (1)	**1153**
Date	*(ft. AMSL)*
March-10	569.42
June-10	569.08
September-10	568.88
December-10	569.19

Note:
(1) = Wells listed in order from most distant outside of tile drains, to tile drain, then inside of tile drain.

TABLE 3.6C

1160 SERIES PIEZOMETERS WATER LEVELS-2010
LOVE CANAL LONG-TERM MONITORING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION

A WELLS

Well (1)	**10176**	**1165**	**1163**	**1162**	**1161**	**Tile Drain**	**1160**
Date	***(ft. AMSL)***	***(ft. AMSL)***	***(ft. AMSL)***	***(ft. AMSL)***	***(ft. AMSL)***	***(ft. AMSL)***	***(ft. AMSL)***
March-10	572.85	570.80	568.75	569.67	566.12	560.60	565.92
June-10	569.26	570.92	568.91	569.88	566.28	560.60	565.93
September-10	568.42	570.48	568.66	569.52	565.23	560.60	565.08
December-10	571.55	570.32	568.61	569.15	565.25	560.60	565.19

B WELLS

Well (1)	**10176**	**1165**	**1163**	**1161**	**Tile Drain**
Date	***(ft. AMSL)***	***(ft. AMSL)***	***(ft. AMSL)***	***(ft. AMSL)***	***(ft. AMSL)***
March-10	572.41	571.29	569.56	567.40	560.60
June-10	569.31	571.11	570.03	567.50	560.60
September-10	568.46	570.82	569.67	567.01	560.60
December-10	571.41	570.84	569.16	566.96	560.60

C WELLS

Well (1)	**10176**	**1165**	**1163**	**1162**	**1161**	**Tile Drain**	**1160**
Date	***(ft. AMSL)***	***(ft. AMSL)***	***(ft. AMSL)***	***(ft. AMSL)***	***(ft. AMSL)***	***(ft. AMSL)***	***(ft. AMSL)***
March-10	568.67	572.04	569.77	569.77	569.19	560.60	DRY
June-10	568.34	572.05	570.36	570.12	569.58	560.60	566.47
September-10	568.48	571.32	570.03	569.76	569.18	560.60	566.81
December-10	568.69	570.99	569.34	569.41	568.76	560.60	566.45

D WELLS

Well (1)	**10176**	**1165**	**1163**	**1162**	**1161**	**Tile Drain**
Date	***(ft. AMSL)***	***(ft. AMSL)***	***(ft. AMSL)***	***(ft. AMSL)***	***(ft. AMSL)***	***(ft. AMSL)***
March-10	567.37	572.52	DRY	567.93	569.73	560.60
June-10	567.20	572.34	DRY	568.05	570.29	560.60
September-10	567.53	571.42	DRY	567.50	570.06	560.60
December-10	567.50	571.31	DRY	567.65	569.37	560.60

E WELLS

Well (1)	**1161**
Date	***(ft. AMSL)***
March-10	566.41
June-10	566.37
September-10	565.49
December-10	565.68

Note:
(1) = Wells listed in order from most distant outside of tile drain, to tile drain, then inside of tile drain.

TABLE 3.6D

1170 SERIES PIEZOMETERS WATER LEVELS-2010
LOVE CANAL LONG-TERM MONITORING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION

A WELLS

Well (1) / *Date*	**1174** *(ft. AMSL)*	**1173** *(ft. AMSL)*	**1172** *(ft. AMSL)*	**1171** *(ft. AMSL)*	**Tile Drain** *(ft. AMSL)*	**1170** *(ft. AMSL)*
March-10	571.32	568.90	566.70	564.73	555.60	563.85
June-10	570.65	568.67	566.72	565.17	555.60	563.75
September-10	570.41	568.48	566.62	564.23	555.60	562.65
December-10	570.45	568.69	566.55	563.90	555.60	562.88

B WELLS

Well (1) / *Date*	**1174** *(ft. AMSL)*	**1173** *(ft. AMSL)*	**1172** *(ft. AMSL)*	**1171** *(ft. AMSL)*	**Tile Drain** *(ft. AMSL)*	**1170** *(ft. AMSL)*
March-10	570.39	569.90	568.93	564.15	555.60	574.51
June-10	570.55	569.64	568.88	564.58	555.60	569.05
September-10	570.78	569.57	568.34	563.54	555.60	561.86
December-10	570.25	569.65	568.19	563.31	555.60	570.68

C WELLS

Well (1) / *Date*	**1174** *(ft. AMSL)*	**1173** *(ft. AMSL)*	**1172** *(ft. AMSL)*	**1171** *(ft. AMSL)*	**Tile Drain** *(ft. AMSL)*
March-10	569.79	571.66	569.36	563.43	555.60
June-10	569.81	571.81	569.59	563.20	555.60
September-10	570.35	570.98	569.14	562.14	555.60
December-10	570.05	570.51	568.74	562.19	555.60

D WELLS

Well (1) / *Date*	**1174** *(ft. AMSL)*	**1173** *(ft. AMSL)*	**Tile Drain** *(ft. AMSL)*
March-10	568.42	573.25	555.60
June-10	568.07	571.70	555.60
September-10	568.24	570.70	555.60
December-10	568.47	571.17	555.60

Note:
(1) = Wells listed in order from most distant outside of tile drain, to tile drain, then inside of tile drain.

TABLE 3.6E

1180 SERIES PIEZOMETERS WATER LEVELS-2010
LOVE CANAL LONG-TERM MONITORING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION

A WELLS

Well (1) / *Date*	**1184** *(ft. AMSL)*	**1183** *(ft. AMSL)*	**1181** *(ft. AMSL)*	**Tile Drain** *(ft. AMSL)*	**1180** *(ft. AMSL)*
March-10	565.06	564.73	566.76	560.00	563.45
June-10	564.13	564.30	566.46	560.00	563.64
September-10	563.42	563.88	566.13	560.00	562.89
December-10	563.58	563.97	566.31	560.00	562.75

B WELLS

Well (1) / *Date*	**1184** *(ft. AMSL)*	**1183** *(ft. AMSL)*	**1181** *(ft. AMSL)*	**Tile Drain** *(ft. AMSL)*	**1180** *(ft. AMSL)*
March-10	565.68	565.19	567.75	560.00	561.81
June-10	564.31	565.05	566.56	560.00	561.19
September-10	563.17	564.40	566.23	560.00	561.14
December-10	563.71	564.51	567.45	560.00	561.14

C WELLS

Well (1) / *Date*	**1184** *(ft. AMSL)*	**1183** *(ft. AMSL)*	**1181** *(ft. AMSL)*	**Tile Drain** *(ft. AMSL)*	**1180** *(ft. AMSL)*
March-10	571.17	568.03	572.16	560.00	DRY
June-10	567.19	567.40	568.01	560.00	563.12
September-10	564.53	566.82	567.26	560.00	DRY
December-10	566.48	567.39	569.53	560.00	DRY

D WELLS

Well (1) / *Date*	**1184** *(ft. AMSL)*	**1183** *(ft. AMSL)*	**Tile Drain** *(ft. AMSL)*
March-10	570.63	566.87	560.00
June-10	567.72	566.75	560.00
September-10	567.35	566.79	560.00
December-10	0.00	566.77	560.00

Note:
(1) = Wells listed in order from most distant outside of tile drain, to tile drain, then inside of tile drain.

TABLE 3.6F

1190 SERIES PIEZOMETERS WATER LEVELS-2010
LOVE CANAL LONG-TERM MONITORING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION

A WELLS

Well (1) / *Date*	**1194** *(ft. AMSL)*	**1193** *(ft. AMSL)*	**1192** *(ft. AMSL)*	**1191** *(ft. AMSL)*	**Tile Drain** *(ft. AMSL)*	**1190** *(ft. AMSL)*
March-10	565.17	565.78	565.09	565.37	554.80	564.70
June-10	564.30	565.39	564.32	566.30	554.80	564.43
September-10	563.46	564.93	563.52	565.32	554.80	563.50
December-10	563.69	565.23	563.68	565.07	554.80	566.41

B WELLS

Well (1) / *Date*	**1194** *(ft. AMSL)*	**1193** *(ft. AMSL)*	**1192** *(ft. AMSL)*	**1191** *(ft. AMSL)*	**Tile Drain** *(ft. AMSL)*	**1190** *(ft. AMSL)*
March-10	569.75	568.50	568.29	565.79	554.80	564.05
June-10	569.16	568.59	568.38	565.37	554.80	563.71
September-10	567.79	568.47	568.29	565.96	554.80	562.60
December-10	568.18	568.28	568.20	565.40	554.80	563.54

C WELLS

Well (1) / *Date*	**1194** *(ft. AMSL)*	**1193** *(ft. AMSL)*	**1192** *(ft. AMSL)*	**1191** *(ft. AMSL)*	**Tile Drain** *(ft. AMSL)*
March-10	574.65	570.56	569.48	565.21	554.80
June-10	571.33	570.89	569.77	564.85	554.80
September-10	569.29	570.45	569.65	564.20	554.80
December-10	573.90	570.05	569.37	564.07	554.80

D WELLS

Well (1) / *Date*	**1194** *(ft. AMSL)*	**1193** *(ft. AMSL)*	**Tile Drain** *(ft. AMSL)*
March-10	573.66	571.52	554.80
June-10	572.38	571.55	554.80
September-10	570.05	570.80	554.80
December-10	571.27	570.21	554.80

Note:
(1) = Wells listed in order from most distant outside of tile drain, to tile drain, then inside of tile drain.

APPENDIX A

INSTITUTIONAL AND ENGINEERING CONTROLS CERTIFICATION FORM

New York State Department of Environmental Conservation
Division of Environmental Remediation, 11th Floor
625 Broadway, Albany, New York 12233
Phone: (518) 402-9553 **Fax:** (518) 402-9577
Website: www.dec.ny.gov

01-24-11 P02:56 IN

45-Day Reminder Notice: Site Management Periodic Review Report

Clint Babcock
Project Manager
OCC/Glenn Springs Holdings, Inc.
5005 LBJ Freeway, Suite 1350
Dallas, TX 75244-6119

January 10, 2011
Site Name: Love Canal
Site No.: 932020
Site Address: 805 97th Street
Niagara Falls, NY 14304

Dear Clint Babcock:

This letter serves as a reminder that sites in active Site Management (SM) require the submittal of a periodic progress report. This report, referred to as the Periodic Review Report (PRR), must document the implementation of, and compliance with, site specific SM requirements. Section 6.3(b) of DER-10 *Technical Guidance for Site Investigation and Remediation* (available online) provides guidance regarding the information that must be included in the PRR. Further, if the site is comprised of multiple parcels, then you as the Certifying Party must arrange to submit one PRR for all parcels that comprise the site. The PRR must be received by the Department no later than **March 30, 2011**.

Site Management is defined in regulation (6 NYCRR 375-1.2(at)) and in Chapter 6 of DER-10. Depending on when the remedial program for your site was completed, SM may be governed by multiple documents (e.g., Operation, Maintenance, and Monitoring Plan; Soil Management Plan) or one comprehensive Site Management Plan.

A Site Management Plan (SMP) may contain one or all of the following elements, as applicable to the site: a plan to maintain institutional and/or engineering controls ("IC/EC Plan"); a plan for monitoring the performance and effectiveness of the selected remedy ("Monitoring Plan"); and/or a plan for the operation and maintenance of the selected remedy ("O&M Plan"). Additionally, the technical requirements for SM are stated in the decision document (e.g., Record of Decision) and, in some cases, the legal agreement directing the remediation of the site (e.g., order on consent, voluntary agreement, etc.).

When you submit the PRR (by the due date above), include the enclosed forms documenting that all SM requirements are being met. The Institutional Controls (ICs) portion of the form must be signed by you or your designated representative. If you cannot certify that all SM requirements are being met, you must submit a Corrective Measures Work Plan that identifies the actions to be taken to restore compliance. The work plan must include a schedule to be approved by the Department. The Periodic Review process will not be considered complete until all necessary corrective measures are completed and all required controls are certified. Instructions for completing the certifications are enclosed.

The certification forms should be submitted in both paper and electronic formats. All supporting documentation (e.g., data, reports) should be submitted in electronic format only. These documents and electronic submissions should be sent to Brian Sadowski, Project Manager.

New York State Department of Environmental Conservation
270 Michigan Ave
Buffalo, NY 14203-2915

Phone number: 716-851-7220. E-mail: bpsadows@gw.dec.state.ny.us

Enclosures

ec: Brian Sadowski, Project Manager
Michael Cruden, Bureau Director
Greg Sutton/Marty Doster, Hazardous Waste Remediation Engineer, Region 9
Steven Bates, DOH

W/o enclosures

Enclosure
Periodic Review Report (PRR) General Guidance

I. Introduction: (½-page or less)

A. Provide a brief summary of site, nature and extent of contamination, and remedial history.

B. Effectiveness of the Remedial Program - Provide overall conclusions regarding;
   1. progress made during the reporting period toward meeting the remedial objectives for the site
   2. the ultimate ability of the remedial program to achieve the remedial objectives for the site.

C. Compliance
   1. Identify any areas of non-compliance regarding the major elements of the Site Management Plan (SMP, i.e., the Institutional/Engineering Control (IC/EC) Plan, the Monitoring Plan, and the Operation & Maintenance (O&M) Plan).
   2. Propose steps to be taken and a schedule to correct any areas of non-compliance.

D. Recommendations
   1. recommend whether any changes to the SMP are needed
   2. recommend any changes to the frequency for submittal of PRRs (increase, decrease)
   3. recommend whether the requirements for discontinuing site management have been met.

II. Site Overview (one page or less)

A. Describe the site location, boundaries (figure), significant features, surrounding area, and the nature and extent of contamination prior to site remediation.

B. Describe the chronology of the main features of the remedial program for the site, the components of the selected remedy, cleanup goals, site closure criteria, and any significant changes to the selected remedy and site that have been made since remedy selection.

III. Evaluate Remedy Performance, Effectiveness, and Protectiveness

A. Using tables, graphs, charts and bulleted text to the extent practicable, describe the effectiveness of the remedy in achieving the remedial goals for the site. Base findings, recommendations, and conclusions on objective data. Evaluations should be presented simply and concisely.

IV. IC/EC Plan Compliance Report (if applicable)

A. IC/EC Requirements and Compliance
   1. Describe each control, its objective, and how performance of the control is evaluated.
   2. Summarize the status of each goal (whether it is fully in place and its effectiveness).
   3. Corrective Measures: describe steps proposed to address any deficiencies in ICECs.
   4. Conclusions and recommendations for changes.

B. IC/EC Certification
   1. The certification must be complete (even if there are IC/EC deficiencies), and certified by the appropriate party as set forth in a Department-approved certification form(s).

V. Monitoring Plan Compliance Report (if applicable)

A. Components of the Monitoring Plan (tabular presentations preferred) - Describe the requirements of the monitoring plan by media (i.e., soil, groundwater, sediment, etc.) and by any remedial technologies being used at the site.

B. Summary of Monitoring Completed During Reporting Period - Describe the monitoring tasks actually completed during this PRR reporting period. Tables and/or figures should be used to show all data.

C. Comparisons with Remedial Objectives - Compare the results of all monitoring with the remedial objectives for the site. Include trend analyses where possible.

D. Monitoring Deficiencies - Describe any ways in which monitoring did not fully comply with the monitoring plan.

E. Conclusions and Recommendations for Changes - Provide overall conclusions regarding the monitoring completed and the resulting evaluations regarding remedial effectiveness.

VI. Operation & Maintenance (O&M) Plan Compliance Report (if applicable)

A. Components of O&M Plan - Describe the requirements of the O&M plan including required activities, frequencies, recordkeeping, etc.

B. Summary of O&M Completed During Reporting Period - Describe the O&M tasks actually completed during this PRR reporting period.

C. Evaluation of Remedial Systems - Based upon the results of the O&M activities completed, evaluated the ability of each component of the remedy subject to O&M requirements to perform as designed/expected.

D. O&M Deficiencies - Identify any deficiencies in complying with the O&M plan during this PRR reporting period.

E. Conclusions and Recommendations for Improvements - Provide an overall conclusion regarding O&M for the site and identify problems, their severity, and any suggested improvements requiring changes in the O&M Plan.

VII. Overall PRR Conclusions and Recommendations

A. Compliance with SMP - For each component of the SMP (i.e., IC/EC, monitoring, O&M), summarize;

1. whether all requirements of each plan were met during the reporting period
2. any requirements not met such as new completed exposure pathways resulting in unacceptable risk
3. proposed plans and a schedule for coming into full compliance.

B. Performance and Effectiveness of the Remedy - Based upon your evaluation of the components of the SMP, form conclusions about the performance of each component and the ability of the remedy to achieve the remedial objectives for the site.

C. Future PRR Submittals

1. Recommend, with supporting justification, whether the frequency of the submittal of PRRs should be changed (either increased or decreased).
2. If the requirements for site closure have been achieved, contact the Department's Project Manager for the site to determine what, if any, additional documentation is needed to support a decision to discontinue site management.

VIII. Additional Guidance

A. Additional guidance regarding the preparation and submittal of an acceptable PRR can be obtained from the Department's Project Manager for the site.

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

Site Details **Box 1**

Site No. **932020**

Site Name **Love Canal**

Site Address: 805 97th Street Zip Code: 14304
City/Town: Niagara Falls
County: Niagara
Site Acreage: 80.0

Reporting Period: February 28, 2010 to February 28, 2011

	YES	NO
1. Is the information above correct?	☒	☐
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	☒
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	☒
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☒	☐
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	☐	☒

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below?	☒	☐
7. Are all ICs/ECs in place and functioning as designed?	☒	☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative Date

SITE NO. 932020

Description of Engineering and Institutional Controls **Boxes 3 and 4**

Parcel	Engineering Control	Institutional Control
232 Parcels	Cover System Fencing/Access Control Groundwater Containment Leachate Collection Pump & Treat	Building Use Restriction Ground Water Use Restriction Landuse Restriction Monitoring Plan O&M Plan
161.19-1-1		
161.57-1-1		
161.65-1-1		
161.73-1-1		
161.57-1-2		
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161.73-1-2		
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161.57-1-45
161.15-1-46
161.19-1-46

161.57-1-46
161.19-1-47
161.57-1-47
161.19-1-48
161.57-1-48
161.19-1-49
161.57-1-49
161.19-1-50
161.57-1-50
161.19-1-51
161.57-1-51
161.19-1-52
161.57-1-52
161.19-1-53
161.57-1-53
161.19-1-54
161.19-1-55
161.19-1-56
161.19-1-57
161.19-1-58
161.14-3-4
161.14-3-6
161.14-3-7
161.14-3-8
161.14-3-9
161.14-3-10
161.14-3-12
161.14-3-13
161.14-3-14
161.14-3-15
161.14-3-16
161.14-3-17
161.14-3-18
161.14-3-19
161.14-3-20
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161.14-3-22
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161.14-3-30
161.14-3-31
161.14-3-32
161.14-3-33
161.14-3-34
161.14-3-35
161.14-3-36
161.14-3-37
161.14-3-38
161.14-3-39
161.14-3-40
161.14-3-41
161.14-3-42
161.14-3-43
161.14-3-5
161.14-3-11
161.18-1-18

Periodic Review Report (PRR) Certification Statements **Box 5**

1. I certify by checking "YES" below that:

a) the Periodic Review report and all attachments were prepared under the direction of, and 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
☒	☐

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
☒	☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. 932020

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.

Joseph Branch (print name) at 5005 LBJ Freeway, Ste 1350 Dallas, TX 75244 (print business address),

am certifying as OWNER (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

Signature of Owner or Remedial Party Rendering Certification — Date: 2/25/2011

Enclosure 2

Certification Instructions

I. Verification of Site Details (Box 1 and Box 2):

Answer the three questions in the Verification of Site Details Section. The Owner and/or Qualified Environmental Professional (QEP) may include handwritten changes and/or other supporting documentation, as necessary.

II. Certification of Institutional / Engineering Controls (Boxes 3, 4, and 5)

Review the listed IC/ECs, confirming that all existing controls are listed, and that all existing controls are still applicable. If there is a control that is no longer applicable the Owner / Remedial Party should petition the Department separately to request approval to remove the control.

In Box 5, complete certifications for all Plan components, as applicable, by checking the corresponding checkbox.

If you cannot certify "YES" for each Control listed in Box 3 & Box 4, sign and date the form in Box 5. Attach supporting documentation that explains why the **Certification** cannot be rendered, as well as a plan of proposed corrective measures, and an associated schedule for completing the corrective measures. Note that this **Certification** form must be submitted even if an IC or EC cannot be certified; however, the certification process will not be considered complete until corrective action is completed.

If the Department concurs with the explanation, the proposed corrective measures, and the proposed schedule, a letter authorizing the implementation of those corrective measures will be issued by the Department's Project Manager. Once the corrective measures are complete, a new Periodic Review Report (with IC/EC Certification) must be submitted within 45 days to the Department. If the Department has any questions or concerns regarding the PRR and/or completion of the IC/EC Certification, the Project Manager will contact you.

III. IC/EC Certification by Signature (Box 6 and Box 7):

If you certified "YES" for each Control, please complete and sign the IC/EC Certifications page as follows:

- Where the only control is an Institutional Control on the use of the property, the certification statement in Box 6 shall be completed and may be made by the property owner.

- Where the site has Institutional and Engineering Controls, the certification statement in Box 7 must be completed by a Professional Engineer or Qualified Environmental Professional, as noted on the form.

NIAGARA FALLS WATER BOARD
WASTEWATER FACILITIES
SIGNIFICANT INDUSTRIAL USER
WASTEWATER DISCHARGE PERMIT

PERMIT NO. 44 Glenn Springs Holdings, Inc. -
Love Canal Leachate Treatment Facility

In accordance with all terms and conditions of the Niagara Falls Water Board Regulations Part 1960 and also with all applicable provisions of Federal and State Law or regulation:

Permission is Hereby Granted To: Glenn Springs Holdings, Inc. -
Love Canal Leachate Treatment Facility

Located at: 805 - 97th Street, Niagara Falls, NY 14304

Classified by SIC No(s): 4952

For the contribution of wastewater, into the Niagara Falls Water Board Publicly-Owned Treatment Works (POTW).

Effective this 8th day of, January 2010
To Expire this 8th day of, January 2015

William Bolents
Director of Administrative Services

Signed this 20TH day of December, 2009

DISCHARGE IDENTIFICATION

OUTFALL	DESCRIPTION	LOCATION	RECEIVING
#1	97th Street Discharge	97th Street	Carbon Treated Leachate from Love Canal Leachate Treatment Facility and the 102nd Street landfill

WASTEWATER DISCHARGE PERMIT REQUIREMENTS FOR:		ACTION REQUIRED	REQUIRED DATE OF SUBMISSION
A.	**Discharges to the Niagara Falls Water Board (NFWB) Sewer**		
1.	Identification of all discharges to the NFWB Sewer System on a current plant sewer map certified by a New York State licensed professional engineer.	None	Submitted 12/16/09
2.	Identification of each contributing waste stream to each discharge to the NFWB Sewer System clearly marked on, or referenced to, a current plant sewer map certified by a New York State licensed professional engineer.	None	Submitted 12/16/09
3.	Elimination of all uncontaminated discharges to the NFWB Sewer System. All uncontaminated flows should be clearly identified on a current sewer map certified by a New York State licensed professional engineer.	N/A	
4.	Establishment of a control manhole that is continuously and immediately accessible for each discharge to the NFWB Sewer System.	None	Previously Established
B.	**Wastewater Discharge Management Practices**		
1.	Identification of a responsible person(s) (day to day and in emergencies).	None	**Performed by** NFWB

C. Slug Control Plan**

Pursuant to Section 40 CFR 403.12 (v) of the Federal Pretreatment Standards the Niagara Falls Water Board will evaluate the permittee, a minimum of once every two years for the need for a "Slug Control Plan." If a plan is required by the Niagara Falls Water Board, then the plan will contain, at a minimum, the following elements:

a) Description of discharge practices, including non-routine batch discharges;
b) Description of stored chemicals;
c) Procedures for immediately notifying the POTW of slug discharges, including any discharge that would violate a prohibition under 40 CFR 403.5 (b), with procedures for follow-up written notification within five days;
d) If necessary, procedures to prevent adverse impact from accidental spills, including inspection and maintenance of storage areas, handling and transfer of materials, loading and unloading operations, control of plant site runoff, worker training, building of containment structures or equipment, measures for containing toxic organic pollutants (including solvents), and/or measures and equipment necessary for emergency response.

**This section applies to all pollutants limited by the Niagara Falls Water Board SPDES Permit and all prohibited wastewater discharges (See Section 1960.5 of the Niagara Falls Water Board Wastewater Regulations).

D. General Wastewater Discharge Permit Conditions

1. Flow monitoring should be performed concurrently with any Wastewater Discharge Permit sampling and should be reported at the same time as analytical results. If it is not feasible to perform flow monitoring, an estimate of flow (method of estimated flow preapproved by the Niagara Falls Water Board) should be submitted with the analytical results.

2. All sampling for billing and pretreatment compliance purposes will be coordinated through the Niagara Falls Water Board Industrial Monitoring Coordinator.

3. All analysis must be performed by a State certified laboratory using analytical methods consistent with 40 CFR 136 and quality control provisions as required by the Niagara Falls Water Board Laboratory Technical Director. The permittee will report the results as directed in Section G of this permit. Results should be reported using the Method Detection Limit (MDL). Reporting results less than MDL will be indicated in the report by a less than sign (<) followed by the numeric MDL concentration reported by the laboratory. In these cases the pollutant load will be calculated and reported as zero (0). The MDL will be defined as the level at which the analytical procedure referenced is capable of determining with a 99% probability that the substance is present. The value is determined in reagent water. The precision at this level is +/- 100%.

4. An estimate of relative production levels for wastewater contributing processes at the time of any pretreatment compliance sampling will be submitted upon request of the Director of Niagara Falls Water Board - Wastewater Facilities.

5. All samples will be handled in accordance with EPA approved methods. Chain of Custody records will be submitted with all sampling results.

6. All conditions, standards and numeric limitations of Niagara Falls Water Board Wastewater Regulations are hereby incorporated into this permit by reference. These conditions, standards and numeric limitations must be complied with. Failure to comply with any part of said Regulations constitutes a violation and is subject to enforcement actions(s) described in Section 1960.9 of said Regulations, and in the Niagara Falls Water Board Pretreatment Administrative Procedure Number Five (5) - "Enforcement Response Guide." In the event of a violation, including slug discharges or spills, the Niagara Falls Water Board must be notified immediately by phone and confirmed by letter within five (5) working days.

   Any person adjudicated of violating any provision in the Niagara Falls Water Board Wastewater Regulations shall be assessed a fine in the amount of up to $10,000. This amount is available for each violation, and each day of a violation is a separate incident for which penalties may be sought.

6. The person violating any of the provisions of the Niagara Falls Water Board Wastewater Regulations will be liable for any expense, loss, or damage occasioned by reason of such violation. The expense, loss or damage will be taken to be the extent determined by the Director.

   In addition, any person who knowingly makes any false statements, representation or certification in any application, record, report, plan or other document filed or required to be maintained pursuant to the Niagara Falls Water Board Wastewater Regulations, or Wastewater Discharge Permit, or who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required under the Niagara Falls Water Board Wastewater Regulations will, upon conviction be punished by a fine up to $5,000. Furthermore, the Niagara Falls Water Board may recover reasonable attorney's fees, court costs, court reporting fees, and other expenses of litigation by appropriate suit at law against the person found to have violated applicable laws, orders, rules and permits required by the Niagara Falls Water Board Wastewater Regulations.

7. In accordance with Federal Regulation CFR 40, Part 403.12(g), any exceedance of a numeric limitation noted by the SIU must be re-sampled, analyzed and resubmitted to the Niagara Falls Water Board - Wastewater Facilities within 30 days.

   Specifically, if any limit that is *listed* in Section F of this permit is exceeded, then the permittee will undertake a short term monitoring program for that pollutant. Samples will be collected identical to those required for routine monitoring purposes and will be collected on each of at least *two (2)* operating days and analyzed. Results will be reported in both concentration and mass, and will be submitted within *30* days of becoming aware of the exceedence.

8. Sampling frequency for any permitted compounds may be increased beyond the requirements set forth in Section F and G of this permit. If the permittee monitors (sample and analysis) more frequent than required under this permit, **all** results of this monitoring must be reported.

9. As noted in Section 1960.5g of the Niagara Falls Water Board Wastewater Regulations, "Personnel as designated by the Director will be permitted at any time for reasonable cause to enter upon all properties served by the Niagara Falls Water Board for the purpose of, and to carry out, inspection of the premises, observation, measurement, sampling and testing, in accordance with provisions of the Regulations."

10. As noted in Section 1960.5c of the Niagara Falls Water Board Wastewater Regulations, significant changes in discharge characteristics or volume must be reported immediately to the Niagara Falls Water Board - Wastewater Facilities.

11. As noted in Section 1960.6b of the Niagara Falls Water Board Wastewater Regulations, samples required to be collected via a 24-hour composite sampler must be retained refrigerated for an additional 24 hour plus un-refrigerated an additional 48 hours (total 72 hours).

12. As noted in Section 1960.5d of the Niagara Falls Water Board Wastewater Regulations, all “SIU's will keep on file for a minimum of three years, all records, flow charts, laboratory calculations or any other pertinent data on their discharge to the Niagara Falls Water Board - Wastewater Facilities.”

13. As noted in Section 1960.6g of the Niagara Falls Water Board Wastewater Regulations, "Permits are issued to a specific user for a specific monitoring station. A permit will not be reassigned or transferred without the approval of the Director which approval will not be unreasonably withheld. Any succeeding owner or user to which a permit has been transferred and approved will also comply with all the terms and conditions of the existing permit."

14. The Annual Average Limitation is equivalent to the specific SIU allocation, and will be defined as the permissible long term average discharge of a particular pollutant. These limitations are listed in Section F of this permit. The computation of the Annual Average will be as follows; for each compound listed in Section G of this permit, the Annual Average will be the average of the present monitoring quarter and three previous quarters data.

15. The Daily Maximum Limitation will be defined as the maximum allowable discharge on anyone day. The Daily Maximum Limitation will allow for periodic short term discharge fluctuations. These specific limitations are listed in Section F of this permit.

16. Enforcement of the Annual Average Limitation will be based on the reported average of the last four quarters data vs. the Annual Average Limited listed in Section F of this permit. Enforcement of the Daily Maximum Limitation will be based on individual analysis results vs. the Daily Maximum Limit listed in Section F of this permit. These results may be obtained from self monitoring (Section G), City of Niagara Falls Verification, incident investigation or billing samples.

17. The Niagara Falls Water Board Administrative Procedure Number 6 "Procedure for Determination and Use of Local Limits" lists all pollutants noted in the Niagara Falls Water Board – Wastewater Facilities SPDES Permit. The limits defined in the procedure are values which are based on the quantity of substances discharged which can be easily related to the Treatment Plant's removal capacity.

    The pollutants listed in this procedure that are <u>not</u> specifically listed in Section F and G of this permit may be present in the permittee's wastewater discharge, but at levels which do not require specific permit limitations. Consequently, if any of the limits listed in this procedure, for pollutants <u>not</u> identified in Section F and G of this permit, are exceeded then the permittee will undertake a short-term, high intensity monitoring program for that pollutant. Samples identical to those required for routine monitoring purposes will be collected on each of at least three operating days and analyzed. Results will be expressed in terms of both concentration and mass, and will be submitted no later than the end of the third month following the month when the limit was first exceeded.

    If levels higher than the limit are confirmed, the permit may be reopened by the Niagara Falls Water Board for consideration of revised permit limits.

E. Specific Wastewater Discharge Permit Conditions

1. Billing Agreement:

a) Flow quantities will be derived from the Wastewater Treatment Facility flow meter.

b) Charges for TSS, SOC and Substances of Concern shall be developed based on Quarterly Self Monitoring data.

2. Love Canal Leachate Treatment Facility (LCLTF)

The Niagara Falls Water Board agrees to accept wastewater processed from the Glenn Springs Holdings (GSH) LCLTF. These waters in addition to Love Canal wastewater shall include wastewater from the 102nd Street remedial site. This approval is subject to the following conditions:

a) The LCLTF shall be properly operated and maintained at all times.

b) To ensure proper operation GSH shall ensure sufficient feed, inter-stage (breakthrough), and effluent analysis to ensure timely carbon changes. Treatment levels of 10 ug/ℓ shall be achieved and verified with quarterly composite sample analysis for the following compounds: trichloroethylene, tetrachloroethylene, monochlorotoluene, monochlorobenzenes, trichlorobenzenes, tetrachlorobenzenes, hexachlorocyclohexanes and hexachlorobenzene.

E. Specific Wastewater Discharge Permit Conditions

2. Love Canal Leachate Treatment Facility (LCLTF) Continued

c) The issuance of this approval if based on GSH's previous assertions that there is no reason to anticipate the presence of tetrachlorodibenzo-p-dioxins in the discharge from the treatment facility. The Niagara Falls Water Board hereby reserves the right to collect samples from the treatment facility effluent and analyze such wastewaters for their chemical constituents, including tetrachlorodibenzo-p-dioxins. If such analysis indicates the presence of tetrachlorodibenzo-p-dioxins, this approval may be withdrawn. If at anytime, the Niagara Falls Water Board determines on any basis that the discharge of these wastewater to the POTW is interfering with the operation of that facility, the Niagara Falls Water Board will direct GSH to discontinue the discharge.

d) These pretreated wastewaters shall be discharged to the POTW via Outfall MS # 1.

e) Periodically wet weather flow in the area around LCLTF results in surcharged sewers. The resultant surcharge requires overflow at combined sewer and storm sewer overflow points. Other points in the sewer shed require manual bypass pumping. Consequently, to minimize this overflow, the Niagara Falls Water Board will require the permittee to cease discharge from the LCLTF during these surcharge events.

A notification procedure has been established by the Niagara Falls Water Board to formalize the communication between the Niagara Falls Water Board and the permittee to halt and resume the LCLTF discharge. This procedure by reference is hereby incorporated as a condition of this permit.

F. Discharge Limitations & Monitoring Requirements

During the Period beginning the effective date of this Permit and lasting until the expiration date, discharge from the permitted facility outfall(s) will be limited and monitored by the permittee as specified below.

OUTFALL NUMBER/ EFFLUENT PARAMETER	DISCHARGE LIMITATIONS		UNITS	MINIMUM MONITORING REQUIREMENTS	
	ANNUAL AVERAGE	DAILY MAXIMUM		MEASUREMENT FREQUENCY	SAMPLE TYPE
#1 Flow	0.3	0.3	MGD	Continuous	4
#1 Total Suspended Suspended	25	50	lbs/d	1/Qtr.	1
#1 Soluble Organic Carbon	50	75	lbs/d	1/Qtr.	1
#1 Volatile - Priority Pollutants (See Attached list Section G)	MONITOR	ONLY	lbs/d	1/Qtr.	1
#1 Acid Extractable - Priority Pollutants (See attached list Section G)	MONITOR	ONLY	lbs/d	1/Qtr.	1
#1 Base/Neutral - Priority Pollutants (See attached list Section G)	MONITOR	ONLY	lbs/d	1/Qtr.	1
# 1 Pesticides - Hexachlorocyclohexanes	MONITOR	ONLY	lbs/d	1/Qtr.	1
#1 Total Phenols	MONITOR	ONLY	lbs/d	1/Qtr.	1

F. DISCHARGE LIMITATIONS & MONITORING REQUIREMENTS CONTINUED

SAMPLE TYPE FOOTNOTES

(1) Each sample will consist of four (4) grabs collected spaced throughout the **batch** discharge, such that they are representative of the effluent being discharged pursuant to 40CFR 403.12.b5iii. The four (4) grabs will be **composited in the laboratory** and analyzed as one sample.

(2) Each sample will consist of four (4) grabs collected spaced over the 24-hour period, such that they are representative of the effluent being discharged pursuant to 40CFR 403.12.b5iii. The four (4) grabs will be **composited in the laboratory** and analyzed as one sample.

(3) Each sample will consist of a 24-hour, **flow proportioned** composite sample collected from the monitoring point.

(4) Flow will be monitored continuously with the use of a water meter or another acceptable flow metering device.

(5) Each sample will consist of a 24-hour, **time proportioned** composite sample collected from the monitoring point.

(6) Reserved

(7) Same as (3), however, five (5) samples will be collected per quarter from the monitoring point and analyzed by and at the Niagara Falls Water Board's expense.

(8) Four (4) grab samples will be collected spaced over the 24-hour period, such that they are representative of the effluent being discharged pursuant to 40CFR 403.12.b5iii. Each grab will be **analyzed and reported separately**.

(9) A grab sample is defined as an aliquot collected over a period of not more than 15 minutes.

G. Discharge Monitoring Reporting Requirements

During the period beginning the effective date of this permit and lasting until its expiration date, discharge monitoring results will be summarized and reported by the permittee; Monthly - 14 days after monitoring period, Quarterly - by the last day of the monitoring period = February 28, May 31, August 31, November 30. Semiannual reports will be submitted on the last day of the monitoring period = February 28, August 31. The annual average for each parameter listed in Section F, will be computed and reported quarterly. The individual sample analysis for present quarter will also be reported quarterly unless directed otherwise in this permit.

OUTFALL NO	PARAMETER	REPORTING FREQUENCY
#1	Flow	Quarterly
#1	Total Suspended Solids	Quarterly
#1	Volatile - Priority Pollutants	Quarterly
#1	Acid Extractables - Priority Pollutants	Quarterly
#1	Base/Neutral - Priority Pollutants	Quarterly
#1	Total Phenols	Quarterly

Discharge Monitoring Compounds

Volatile	Base/Neutrals Extractables
Benzene	Dimethyl Phthalate
Carbon Tetrachloride	Butyl Benz Phthalate
Chlorodibromethane	Di-N-Butyl Phthalate
Monochlorobenzene	Di-N-Octyl Phthalate
Dichlorobromethane	Diethyl Phthalate
Chloroform	Nitrosodiphenylamine
Dichloroethylenes	Dichlorobenzenes
Bromoform	Dichlorotoluene
Dichloropropylenes	Acenaphthlene
Ethylbenzene	Fluoranthene
Tetrachloroethanes	Chrysene
Tetrachloroethylene	Napthalene
Toluene	Benzo (a) Anthracene
Trichloroethanes	Pyrene
Trichloroethylene	Trichlorobenzene
Methylene Chloride	Trichlorotoluene
Vinyl Chloride	Hexachlorobutadiene
Monochlorotoluenes	Tetrachlorobenzene
Monochlorobenzotrifluoride	Hexachlorocyclopentadiene
	Hexachlorobenzene
	Dichlorobenzotrifluoride

Discharge Monitoring Compounds

Acids	Pesticides
Monochlorophenol	Alpha, beta, delta, gama – hexachlorocyclohexane
Dichlorophenol	
Monochlorocresol	
Trichlorophenol	
Pentachlorophenol	

Conventionals	
Total Phenols	
Total Suspended Solids	
Soluble Organic Carbon	

H. Comments/Revisions

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APPENDIX B

BARRIER DRAIN INSPECTION FORM

Love Canal
Barrier Drain Manhole Inspection

Date 08/26/10

Sector	MH No.	Location	Water Y/N	Level Feet	Debris Y/N	Structure OK	Cleaning Y/N	Comments
North	MH-2A	NW	Y	0.1	N	Y	N	
	MH-4A	NW	Y	0.00	Y	Y	N	Slight Buildup
	PC-2A	NW	Y		N	Y	N	Cleaned
	MH-6A	NW	Y	0.4	N	Y	N	
	MH-6B	NW	Y	0.3	Y	Y	N	Slight Buildup
	MH-6C	NW	Y	0.4	Y	Y	N	Slight Buildup
	MH-8A	NW	N	0	N	Y	N	
	MH-10A	NW	N	0	N	Y	N	
	MH-1A	NE	N	0	N	Y	N	
	MH-3A	NE	N	0	N	Y	N	
	MH-5A	NE	N	0	N	Y	N	
	MH-7A	NE	N	0	N	Y	N	
	MH-9A	NE	N	0	N	Y	N	
	MH-11A	NE	N	0	N	Y	N	
	PC-1A	NE	Y		N	Y	N	cleaned
	MH-13A	NE	N	0	N	Y	N	
	MH-15A	NE	N	0	N	Y	N	
	MH-17A	NE	N	0	N	Y	N	
South	MH-2	SW	N	0	N	Y	N	
	MH-4	SW	N	0	N	Y	N	
	MH-6	SW	N	0	N	Y	N	
	MH-8/PC2	SW	N		N	Y	N	
	MH-10	SW	N	0	N	Y	N	
	MH-12	SW	N	0	N	Y	N	
	MH-14	SW	N	0	N	Y	N	
	MH-1	SE	N	0	N	Y	N	
	MH-3	SE	N	0	N	Y	N	
	MH-5	SE	N	0	N	Y	N	
	MH-7/PC1	SE	N	0	N	Y	N	
	MH-9	SE	N	0	N	Y	N	
	MH-11	SE	N	0	N	Y	N	
	MH-13	SE	N	0	N	Y	N	

Love Canal

Semi-annual Inspection
Barrier System/Pump Chamber Inspections
(O&M requirement 6.1.3.1)

Check the following as appropriate:

Visual Inspection of chamber piping.
Verification of level probe performance.
Inspection of pump chamber integrity.
Inspection of pump chamber security.

Wells	Satisfactory	Needs work
PC-3	✓	
PC-2	✓	
PC-1	✓	
PC-3A	✓	
PC-2A	✓	
PC-1A	✓	

Comments: All Pump chambers clean by Severson

Signature _____ Date 10/12/2010

Love Canal

Semi-annual Inspection
Barrier System/Pump Chamber Inspections
(O&M requirement 6.1.3.1)

Check the following as appropriate:

Visual Inspection of chamber piping.
Verification of level probe performance.
Inspection of pump chamber integrity.
Inspection of pump chamber security.

Wells	Satisfactory	Needs work
PC-3	✓	
PC-2	✓	
PC-1	✓	
PC-3A	✓	
PC-2A	✓	
PC-1A	✓	

Comments:

Signature _____ Date 4/6/2010

APPENDIX C

NIAGARA FALLS WATER BOARD WASTEWATER DISCHARGE PERMIT

NIAGARA FALLS WATER BOARD
WASTEWATER FACILITIES
SIGNIFICANT INDUSTRIAL USER
WASTEWATER DISCHARGE PERMIT

PERMIT NO. 44 Glenn Springs Holdings, Inc. -
Love Canal Leachate Treatment Facility

In accordance with all terms and conditions of the Niagara Falls Water Board Regulations Part 1960 and also with all applicable provisions of Federal and State Law or regulation:

Permission is Hereby Granted To: Glenn Springs Holdings, Inc. -
Love Canal Leachate Treatment Facility

Located at: 805 - 97th Street, Niagara Falls, NY 14304

Classified by SIC No(s): 4952

For the contribution of wastewater, into the Niagara Falls Water Board Publicly-Owned Treatment Works (POTW).

Effective this 8th day of, January 2010
To Expire this 8th day of, January 2015

William Bolents
Director of Administrative Services

Signed this 20TH day of December, 2009

DISCHARGE IDENTIFICATION

OUTFALL	DESCRIPTION	LOCATION	RECEIVING
#1	97th Street Discharge	97th Street	Carbon Treated Leachate from Love Canal Leachate Treatment Facility and the 102nd Street landfill

WASTEWATER DISCHARGE PERMIT REQUIREMENTS FOR:		ACTION REQUIRED	REQUIRED DATE OF SUBMISSION
A.	**Discharges to the Niagara Falls Water Board (NFWB) Sewer**		
1.	Identification of all discharges to the NFWB Sewer System on a current plant sewer map certified by a New York State licensed professional engineer.	None	Submitted 12/16/09
2.	Identification of each contributing waste stream to each discharge to the NFWB Sewer System clearly marked on, or referenced to, a current plant sewer map certified by a New York State licensed professional engineer.	None	Submitted 12/16/09
3.	Elimination of all uncontaminated discharges to the NFWB Sewer System. All uncontaminated flows should be clearly identified on a current sewer map certified by a New York State licensed professional engineer.	N/A	
4.	Establishment of a control manhole that is continuously and immediately accessible for each discharge to the NFWB Sewer System.	None	Previously Established
B.	**Wastewater Discharge Management Practices**		
1.	Identification of a responsible person(s) (day to day and in emergencies).	None	**Performed by** NFWB

C. Slug Control Plan**

Pursuant to Section 40 CFR 403.12 (v) of the Federal Pretreatment Standards the Niagara Falls Water Board will evaluate the permittee, a minimum of once every two years for the need for a "Slug Control Plan." If a plan is required by the Niagara Falls Water Board, then the plan will contain, at a minimum, the following elements:

a) Description of discharge practices, including non-routine batch discharges;
b) Description of stored chemicals;
c) Procedures for immediately notifying the POTW of slug discharges, including any discharge that would violate a prohibition under 40 CFR 403.5 (b), with procedures for follow-up written notification within five days;
d) If necessary, procedures to prevent adverse impact from accidental spills, including inspection and maintenance of storage areas, handling and transfer of materials, loading and unloading operations, control of plant site runoff, worker training, building of containment structures or equipment, measures for containing toxic organic pollutants (including solvents), and/or measures and equipment necessary for emergency response.

**This section applies to all pollutants limited by the Niagara Falls Water Board SPDES Permit and all prohibited wastewater discharges (See Section 1960.5 of the Niagara Falls Water Board Wastewater Regulations).

D. General Wastewater Discharge Permit Conditions

1. Flow monitoring should be performed concurrently with any Wastewater Discharge Permit sampling and should be reported at the same time as analytical results. If it is not feasible to perform flow monitoring, an estimate of flow (method of estimated flow preapproved by the Niagara Falls Water Board) should be submitted with the analytical results.

2. All sampling for billing and pretreatment compliance purposes will be coordinated through the Niagara Falls Water Board Industrial Monitoring Coordinator.

3. All analysis must be performed by a State certified laboratory using analytical methods consistent with 40 CFR 136 and quality control provisions as required by the Niagara Falls Water Board Laboratory Technical Director. The permittee will report the results as directed in Section G of this permit. Results should be reported using the Method Detection Limit (MDL). Reporting results less than MDL will be indicated in the report by a less than sign (<) followed by the numeric MDL concentration reported by the laboratory. In these cases the pollutant load will be calculated and reported as zero (0). The MDL will be defined as the level at which the analytical procedure referenced is capable of determining with a 99% probability that the substance is present. The value is determined in reagent water. The precision at this level is +/- 100%.

4. An estimate of relative production levels for wastewater contributing processes at the time of any pretreatment compliance sampling will be submitted upon request of the Director of Niagara Falls Water Board - Wastewater Facilities.

5. All samples will be handled in accordance with EPA approved methods. Chain of Custody records will be submitted with all sampling results.

6. All conditions, standards and numeric limitations of Niagara Falls Water Board Wastewater Regulations are hereby incorporated into this permit by reference. These conditions, standards and numeric limitations must be complied with. Failure to comply with any part of said Regulations constitutes a violation and is subject to enforcement actions(s) described in Section 1960.9 of said Regulations, and in the Niagara Falls Water Board Pretreatment Administrative Procedure Number Five (5) - "Enforcement Response Guide." In the event of a violation, including slug discharges or spills, the Niagara Falls Water Board must be notified immediately by phone and confirmed by letter within five (5) working days.

   Any person adjudicated of violating any provision in the Niagara Falls Water Board Wastewater Regulations shall be assessed a fine in the amount of up to $10,000. This amount is available for each violation, and each day of a violation is a separate incident for which penalties may be sought.

6. The person violating any of the provisions of the Niagara Falls Water Board Wastewater Regulations will be liable for any expense, loss, or damage occasioned by reason of such violation. The expense, loss or damage will be taken to be the extent determined by the Director.

   In addition, any person who knowingly makes any false statements, representation or certification in any application, record, report, plan or other document filed or required to be maintained pursuant to the Niagara Falls Water Board Wastewater Regulations, or Wastewater Discharge Permit, or who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required under the Niagara Falls Water Board Wastewater Regulations will, upon conviction be punished by a fine up to $5,000. Furthermore, the Niagara Falls Water Board may recover reasonable attorney's fees, court costs, court reporting fees, and other expenses of litigation by appropriate suit at law against the person found to have violated applicable laws, orders, rules and permits required by the Niagara Falls Water Board Wastewater Regulations.

7. In accordance with Federal Regulation CFR 40, Part 403.12(g), any exceedance of a numeric limitation noted by the SIU must be re-sampled, analyzed and resubmitted to the Niagara Falls Water Board - Wastewater Facilities within 30 days.

   Specifically, if any limit that is *listed* in Section F of this permit is exceeded, then the permittee will undertake a short term monitoring program for that pollutant. Samples will be collected identical to those required for routine monitoring purposes and will be collected on each of at least *two (2)* operating days and analyzed. Results will be reported in both concentration and mass, and will be submitted within *30* days of becoming aware of the exceedence.

8. Sampling frequency for any permitted compounds may be increased beyond the requirements set forth in Section F and G of this permit. If the permittee monitors (sample and analysis) more frequent than required under this permit, **all** results of this monitoring must be reported.

9. As noted in Section 1960.5g of the Niagara Falls Water Board Wastewater Regulations, "Personnel as designated by the Director will be permitted at any time for reasonable cause to enter upon all properties served by the Niagara Falls Water Board for the purpose of, and to carry out, inspection of the premises, observation, measurement, sampling and testing, in accordance with provisions of the Regulations."

10. As noted in Section 1960.5c of the Niagara Falls Water Board Wastewater Regulations, significant changes in discharge characteristics or volume must be reported immediately to the Niagara Falls Water Board - Wastewater Facilities.

11. As noted in Section 1960.6b of the Niagara Falls Water Board Wastewater Regulations, samples required to be collected via a 24-hour composite sampler must be retained refrigerated for an additional 24 hour plus un-refrigerated an additional 48 hours (total 72 hours).

12. As noted in Section 1960.5d of the Niagara Falls Water Board Wastewater Regulations, all “SIU's will keep on file for a minimum of three years, all records, flow charts, laboratory calculations or any other pertinent data on their discharge to the Niagara Falls Water Board - Wastewater Facilities.”

13. As noted in Section 1960.6g of the Niagara Falls Water Board Wastewater Regulations, "Permits are issued to a specific user for a specific monitoring station. A permit will not be reassigned or transferred without the approval of the Director which approval will not be unreasonably withheld. Any succeeding owner or user to which a permit has been transferred and approved will also comply with all the terms and conditions of the existing permit."

14. The Annual Average Limitation is equivalent to the specific SIU allocation, and will be defined as the permissible long term average discharge of a particular pollutant. These limitations are listed in Section F of this permit. The computation of the Annual Average will be as follows; for each compound listed in Section G of this permit, the Annual Average will be the average of the present monitoring quarter and three previous quarters data.

15. The Daily Maximum Limitation will be defined as the maximum allowable discharge on anyone day. The Daily Maximum Limitation will allow for periodic short term discharge fluctuations. These specific limitations are listed in Section F of this permit.

16. Enforcement of the Annual Average Limitation will be based on the reported average of the last four quarters data vs. the Annual Average Limited listed in Section F of this permit. Enforcement of the Daily Maximum Limitation will be based on individual analysis results vs. the Daily Maximum Limit listed in Section F of this permit. These results may be obtained from self monitoring (Section G), City of Niagara Falls Verification, incident investigation or billing samples.

17. The Niagara Falls Water Board Administrative Procedure Number 6 "Procedure for Determination and Use of Local Limits" lists all pollutants noted in the Niagara Falls Water Board – Wastewater Facilities SPDES Permit. The limits defined in the procedure are values which are based on the quantity of substances discharged which can be easily related to the Treatment Plant's removal capacity.

    The pollutants listed in this procedure that are <u>not</u> specifically listed in Section F and G of this permit may be present in the permittee's wastewater discharge, but at levels which do not require specific permit limitations. Consequently, if any of the limits listed in this procedure, for pollutants <u>not</u> identified in Section F and G of this permit, are exceeded then the permittee will undertake a short-term, high intensity monitoring program for that pollutant. Samples identical to those required for routine monitoring purposes will be collected on each of at least three operating days and analyzed. Results will be expressed in terms of both concentration and mass, and will be submitted no later than the end of the third month following the month when the limit was first exceeded.

    If levels higher than the limit are confirmed, the permit may be reopened by the Niagara Falls Water Board for consideration of revised permit limits.

E. Specific Wastewater Discharge Permit Conditions

1. Billing Agreement:

   a) Flow quantities will be derived from the Wastewater Treatment Facility flow meter.

   b) Charges for TSS, SOC and Substances of Concern shall be developed based on Quarterly Self Monitoring data.

2. Love Canal Leachate Treatment Facility (LCLTF)

   The Niagara Falls Water Board agrees to accept wastewater processed from the Glenn Springs Holdings (GSH) LCLTF. These waters in addition to Love Canal wastewater shall include wastewater from the 102nd Street remedial site. This approval is subject to the following conditions:

   a) The LCLTF shall be properly operated and maintained at all times.

   b) To ensure proper operation GSH shall ensure sufficient feed, inter-stage (breakthrough), and effluent analysis to ensure timely carbon changes. Treatment levels of 10 ug/ℓ shall be achieved and verified with quarterly composite sample analysis for the following compounds: trichloroethylene, tetrachloroethylene, monochlorotoluene, monochlorobenzenes, trichlorobenzenes, tetrachlorobenzenes, hexachlorocyclohexanes and hexachlorobenzene.

E. Specific Wastewater Discharge Permit Conditions

2. Love Canal Leachate Treatment Facility (LCLTF) Continued

c) The issuance of this approval if based on GSH's previous assertions that there is no reason to anticipate the presence of tetrachlorodibenzo-p-dioxins in the discharge from the treatment facility. The Niagara Falls Water Board hereby reserves the right to collect samples from the treatment facility effluent and analyze such wastewaters for their chemical constituents, including tetrachlorodibenzo-p-dioxins. If such analysis indicates the presence of tetrachlorodibenzo-p-dioxins, this approval may be withdrawn. If at anytime, the Niagara Falls Water Board determines on any basis that the discharge of these wastewater to the POTW is interfering with the operation of that facility, the Niagara Falls Water Board will direct GSH to discontinue the discharge.

d) These pretreated wastewaters shall be discharged to the POTW via Outfall MS # 1.

e) Periodically wet weather flow in the area around LCLTF results in surcharged sewers. The resultant surcharge requires overflow at combined sewer and storm sewer overflow points. Other points in the sewer shed require manual bypass pumping. Consequently, to minimize this overflow, the Niagara Falls Water Board will require the permittee to cease discharge from the LCLTF during these surcharge events.

A notification procedure has been established by the Niagara Falls Water Board to formalize the communication between the Niagara Falls Water Board and the permittee to halt and resume the LCLTF discharge. This procedure by reference is hereby incorporated as a condition of this permit.

F. Discharge Limitations & Monitoring Requirements

During the Period beginning the effective date of this Permit and lasting until the expiration date, discharge from the permitted facility outfall(s) will be limited and monitored by the permittee as specified below.

OUTFALL NUMBER/ EFFLUENT PARAMETER	DISCHARGE LIMITATIONS		UNITS	MINIMUM MONITORING REQUIREMENTS	
	ANNUAL AVERAGE	DAILY MAXIMUM		MEASUREMENT FREQUENCY	SAMPLE TYPE
#1 Flow	0.3	0.3	MGD	Continuous	4
#1 Total Suspended Suspended	25	50	lbs/d	1/Qtr.	1
#1 Soluble Organic Carbon	50	75	lbs/d	1/Qtr.	1
#1 Volatile - Priority Pollutants (See Attached list Section G)	MONITOR	ONLY	lbs/d	1/Qtr.	1
#1 Acid Extractable - Priority Pollutants (See attached list Section G)	MONITOR	ONLY	lbs/d	1/Qtr.	1
#1 Base/Neutral - Priority Pollutants (See attached list Section G)	MONITOR	ONLY	lbs/d	1/Qtr.	1
# 1 Pesticides - Hexachlorocyclohexanes	MONITOR	ONLY	lbs/d	1/Qtr.	1
#1 Total Phenols	MONITOR	ONLY	lbs/d	1/Qtr.	1

F. DISCHARGE LIMITATIONS & MONITORING REQUIREMENTS CONTINUED

SAMPLE TYPE FOOTNOTES

(1) Each sample will consist of four (4) grabs collected spaced throughout the **batch** discharge, such that they are representative of the effluent being discharged pursuant to 40CFR 403.12.b5iii. The four (4) grabs will be **composited in the laboratory** and analyzed as one sample.

(2) Each sample will consist of four (4) grabs collected spaced over the 24-hour period, such that they are representative of the effluent being discharged pursuant to 40CFR 403.12.b5iii. The four (4) grabs will be **composited in the laboratory** and analyzed as one sample.

(3) Each sample will consist of a 24-hour, **flow proportioned** composite sample collected from the monitoring point.

(4) Flow will be monitored continuously with the use of a water meter or another acceptable flow metering device.

(5) Each sample will consist of a 24-hour, **time proportioned** composite sample collected from the monitoring point.

(6) Reserved

(7) Same as (3), however, five (5) samples will be collected per quarter from the monitoring point and analyzed by and at the Niagara Falls Water Board's expense.

(8) Four (4) grab samples will be collected spaced over the 24-hour period, such that they are representative of the effluent being discharged pursuant to 40CFR 403.12.b5iii. Each grab will be **analyzed and reported separately**.

(9) A grab sample is defined as an aliquot collected over a period of not more than 15 minutes.

G. Discharge Monitoring Reporting Requirements

During the period beginning the effective date of this permit and lasting until its expiration date, discharge monitoring results will be summarized and reported by the permittee; Monthly - 14 days after monitoring period, Quarterly - by the last day of the monitoring period = February 28, May 31, August 31, November 30. Semiannual reports will be submitted on the last day of the monitoring period = February 28, August 31. The annual average for each parameter listed in Section F, will be computed and reported quarterly. The individual sample analysis for present quarter will also be reported quarterly unless directed otherwise in this permit.

OUTFALL NO	PARAMETER	REPORTING FREQUENCY
#1	Flow	Quarterly
#1	Total Suspended Solids	Quarterly
#1	Volatile - Priority Pollutants	Quarterly
#1	Acid Extractables - Priority Pollutants	Quarterly
#1	Base/Neutral - Priority Pollutants	Quarterly
#1	Total Phenols	Quarterly

Discharge Monitoring Compounds

Volatile	Base/Neutrals Extractables
Benzene	Dimethyl Phthalate
Carbon Tetrachloride	Butyl Benz Phthalate
Chlorodibromethane	Di-N-Butyl Phthalate
Monochlorobenzene	Di-N-Octyl Phthalate
Dichlorobromethane	Diethyl Phthalate
Chloroform	Nitrosodiphenylamine
Dichloroethylenes	Dichlorobenzenes
Bromoform	Dichlorotoluene
Dichloropropylenes	Acenaphthlene
Ethylbenzene	Fluoranthene
Tetrachloroethanes	Chrysene
Tetrachloroethylene	Napthalene
Toluene	Benzo (a) Anthracene
Trichloroethanes	Pyrene
Trichloroethylene	Trichlorobenzene
Methylene Chloride	Trichlorotoluene
Vinyl Chloride	Hexachlorobutadiene
Monochlorotoluenes	Tetrachlorobenzene
Monochlorobenzotrifluoride	Hexachlorocyclopentadiene
	Hexachlorobenzene
	Dichlorobenzotrifluoride

Discharge Monitoring Compounds

Acids	Pesticides
Monochlorophenol	Alpha, beta, delta, gama – hexachlorocyclohexane
Dichlorophenol	
Monochlorocresol	
Trichlorophenol	
Pentachlorophenol	

Conventionals	
Total Phenols	
Total Suspended Solids	
Soluble Organic Carbon	

H. Comments/Revisions

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APPENDIX D

LOVE CANAL ANNUAL GROUNDWATER SAMPLING SCHEDULE

CONESTOGA-ROVERS & ASSOCIATES

2055 Niagara Falls Blvd., Suite #3
Niagara Falls, New York 14304
Telephone: (716) 297-6150 Fax: (716) 297-2265
www.CRAworld.com

MEMORANDUM

TO:	Clint Babcock, Ralph Schupp	REF. NO.:	009954
FROM:	Jane Pietraszek-Polovich/adh/8	DATE:	August 5, 2010
C.C.:	Darrell Crockett, Dennis Hoyt, John Pentilchuk, Dave Tyran, Filing		
RE:	**Love Canal Annual Groundwater Sampling Schedule**		

At the request of Glenn Springs Holdings, Inc. (GSH), Conestoga-Rovers & Associates (CRA) has prepared the following memo to document the Annual Groundwater Sampling schedule for the Love Canal Facility in Niagara Falls, New York (Site).

Correspondence from Mr. Brian Sadowski of the New York State Department of Environmental Conservation (NYSDEC) sent to CRA and GSH on March 25, 2009 (email attached) states that it is no longer necessary for the NYSDEC to specifically list the wells to be sampled each year at the Site, since the annual and alternating (Group I and Group II) wells have remained the same throughout the years. From 1994 through 2008, the NYSDEC provided GSH with a list of wells to be sampled each year. The March 25, 2009 email from Mr. Sadowski stated that the NYSDEC will no longer provide such a list. Therefore, Mr. Sadowski suggested that the wells sampled during the 2007 annual groundwater monitoring event be used for the 2009 annual groundwater monitoring event, to remain consistent with the Long-Term Monitoring Program. The 2007 (and therefore 2009) monitoring wells represent the Group I wells (Table 1). The 2008 (and therefore 2010) monitoring wells represent the Group II wells. In addition, there are select overburden and bedrock wells that are to be sampled annually (Table 1).

Mr. Sadowski went on to further state that GSH must "ensure that the monitoring network and well selection provide adequate overburden and bedrock coverage that returns the data necessary for the evaluation of the remediation, and that the NYSDEC feels that the selection of the 2007 wells will meet those objectives." Mr. Sadowski indicated that GSH can enhance upon the objective by choosing other wells if they wish. Once the well selection is made for the annual event, GSH is to provide the NYSDEC with the monitoring well numbers. Any changes in the well selection must be accompanied with reasons for the addition/deletion. Based on a review of the data for the wells suggested by NYSDEC, GSH agreed to sample the wells in Table 1 for future sampling events. This was communicated to the NYSDEC through a phone call to Mr. Sadowski on June 7, 2010, and documented in the attached email dated June 8, 2010. The NYSDEC is to be notified when the annual monitoring will take place for oversight purposes and to split samples if desired. A 2-week notice of the annual groundwater monitoring event is preferred by the NYSDEC.

TABLE 1

SAMPLE SCHEDULE
LOVE CANAL FACILITY
LONG-TERM MONITORING PROGRAM
NIAGARA FALLS, NEW YORK

Annual Wells	*Biannual Wells*	
Bedrock Wells	*Overburden Wells Group I (2009)*	*Overburden Wells Group II (2010)*
3257	3151	7115
5221	7120	7125
6209	7155	8115
7205	7161	8125
8210	8110	9105
9205	8120	9113
9210	8130	9118
10205	8140	10178A
10210A	9110	
10210B	9115	
10210C	9120	
10215	9125	
10225A	9130	
10225B	9140	
10225C	10105	
10270	10147	
10272	10174A	
10278		

Overburden Wells

7130
7132
8106
10135

From: Crockett, Darrell
Sent: Wednesday, March 25, 2009 12:06 PM
To: Pentilchuk, John
Subject: 9954 FW: Love Canal Annual 2009 Sampling
John,

Please let me know how you'd like for me to proceed. I have the 2007 sampling event data.

Thanks
Darrell

From: Brian Sadowski [mailto:bpsadows@gw.dec.state.ny.us]
Sent: Wed 3/25/2009 11:56 AM
To: Crockett, Darrell
Cc: Hoyt, Dennis; Clint_Babcock ext
Subject: Re: Love Canal Annual 2009 Sampling

Darrell,

Your contact and this response will be considered as our pre-sampling conference as stated on p.6. in Section 2.0 Monitoring Requirements of the February 19, 2001 Sampling Manual. Over the last fourteen years the Department has specifically listed the wells to sample and believe that is no longer necessary as the annual and alternating wells have stayed the same. GSHI and/or MSRM has clearly demonstrated their ability to operate , maintain and monitor the site. With the addition of CRA; there is an added layer of technological security and professional environmental judgement. With that said, the Department will not provide a specific list of wells to monitor. However, the suggested wells are the wells that were sampled in 2007 to remain consistent with the LTM program schedule listed on Table 2.2 of the Sampling Manual. The monitoring schedule is flexible. OXY and CRA is to ensure that the monitoring network and well selection provides adequate overburden and bedrock coverage that returns the data necessary for the evaluation of the remediation. The Department feels that the selection of the 2007 wells will meet those objectives. OXY and CRA can enhance upon the objectives by choosing other wells if they wish. When a decision is made by CRA on the well selection, please provide the Department with the well numbers. A simple return "as same as 2007 or 2007 with the addition, deletion or substitution of well #" will suffice. If changes are made, please provide reasoning. Finally, the Department will not be splitting this year. But, will need to be given notice when monitoring will take place for oversight purposes. Thank you.

>>> "Crockett, Darrell" <dcrockett@craworld.com> 3/18/2009 8:05 AM >>>
Hello Brian,

At your convenience would you please provide me with a 2009 Annual sampling well list including the split samples.

Thank You
Darrell Crockett
716/998-5804

From: Polovich, Jane
Sent: Tuesday, June 08, 2010 9:49 AM
To: Filing
Subject: 9954: Love Canal Annual Sampling - Conversation with Brian Sadowski NYSDEC

I spoke with Brian Sadowski on Monday June 7, 2010 to confirm the annual groundwater sampling locations at Love Canal. As per Brians email of March 25 2009 to Darrell Crockett, the 2007 wells selected by the DEC were to be the ones sampled in 2009 (these represent the Group I wells). I confirmed with Mr. Sadowski that the 2008 wells selected by the DEC would be teh wells sampled in 2010 (representing the Group II wells). These Group I and Group II wells will from this point forward be the wells sampled for the alternating annual groundwater sampling events at Love Canal. Mr Sadowski went further to say that GSH may add or delete wells from the sampling but must provide a reason to the DEC prior to sampling for the additions / deletions. CRA documented this change in the sampling program in a internal memo.

Jane Polovich
Conestoga-Rovers & Associates (CRA)
2055 Niagara Falls Blvd., Suite 3
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APPENDIX E

ANALYTICAL RESULTS AND QA/QC REVIEW
LONG-TERM MONITORING PROGRAM
LOVE CANAL
JUNE 2010

CONESTOGA-ROVERS
& ASSOCIATES

E-Mail Date: August 31, 2010
E-Mail To: Clint Babcock [clint_babcock@oxy.com]
c.c.: Dennis Hoyt; Jane Polovich; Kathy Willy
Ralph Schupp, Darrell Crockett
E-Mail and Hard Copy if Requested

ANALYTICAL RESULTS AND QA/QC REVIEW
LONG-TERM MONITORING PROGRAM
MILLER SPRINGS REMEDIATION MANAGEMENT, INC.
LOVE CANAL
JUNE 2010

PREPARED BY:
CONESTOGA-ROVERS & ASSOCIATES
2055 Niagara Falls Blvd., Suite #3
Niagara Falls, New York 14304
Telephone: 716-297-6150 Fax: 716-297-2265
Contact: Kathleen Willy [bjw] KW
Date: August 31, 2010
www.CRAworld.com

TABLE OF CONTENTS

Page

LIST OF TABLES

LIST OF ATTACHMENTS

1.0 INTRODUCTION

Thirty-six (36) groundwater samples (including three field duplicates, two rinse blanks and two (2) trip blanks) were collected in support of the Long-Term Monitoring Program (LTMP) Love Canal Site in Niagara Falls, New York (Site), in June 2010. The samples were submitted to TestAmerica Laboratories, Inc., located in Pittsburgh, PA, and analyzed for Site-specific volatiles, semi-volatiles, and pesticides/polychlorinated biphenyls (PCBs). A sample collection and analysis summary is presented in Table 1.

The analytical results are presented in Table 2. Tentatively Identified Compounds (TICs) were reviewed and a summary is presented in Attachment A. Copies of the Chains of Custody are included in Attachment B. The quality assurance/quality control (QA/QC) criteria by which these data have been assessed are outlined in Methods 95-1, 95-2, and 95-3, referenced from the New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) (10/95 Rev.) and the "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", United States Environmental Protection Agency (USEPA) 540/R-99/008, October 1999.

All raw data including calibration, spike, and duplicate and blank results were assessed.

2.0 QA/QC REVIEW

2.1 HOLDING TIMES

Based upon criteria outlined in the NYSDEC ASP, the following holding time requirements were used:

Volatile Organic Compounds (VOCs)	10 days from Verified Time of Sample Receipt (VTSR) to analysis (preserved pH<2; HCl)
Semi-Volatile Organic Compounds (SVOCs)	5 days from VTSR to extraction; 40 days from extraction to analysis
Pesticides/PCBs	5 days from VTSR to extraction; 40 days from extraction to analysis

All holding time criteria were met for all sample preparation and analysis. All samples were properly preserved and received at the laboratory at 4°C (±2°C).

2.2 INSTRUMENT CALIBRATION

Gas Chromatograph/Mass Spectrometer (GC/MS) – VOCs and SVOCs

The GC/MS instrumentation was properly tuned prior to sample analysis. Initial calibration data showed adequate instrument sensitivity and calibration curves showed acceptable linearity for all compounds of interest.

All continuing calibration standards showed adequate instrument sensitivity. Various SVOC continuing calibration standard results indicated variability in instrument response. All associated sample results were qualified as estimated (see Table 3).

Gas Chromatograph (GC) – Pesticides/PCBs

Initial and continuing calibration data showed adequate instrument sensitivity, linearity, and resolution. All retention times fell within the established retention time windows.

2.3 INTERNAL STANDARD RECOVERIES – VOCs AND SVOCs

The proper internal standard compounds were added to all samples, blanks, and blank spike samples prior to VOC and SVOC analyses. All internal standard recoveries were acceptable and properly used to calculate all positive sample results.

2.4 SURROGATE COMPOUND ANALYSES

Surrogates were added to all samples, blanks, and QC samples prior to extraction and/or analysis.

All surrogate recoveries met the method acceptance criteria with the exception of some low pesticide surrogate recoveries. Associated sample results have been qualified as estimated (see Table 4).

2.5 METHOD BLANK ANALYSES

Method blanks were analyzed and/or extracted at the proper frequency for all parameters. All sample results were non-detect indicating that laboratory contamination was not an issue.

2.6 BLANK SPIKE/BLANK SPIKE DUPLICATES

Blank spikes/blank spike duplicates were prepared and/or analyzed using representative compounds for all parameters.

All spike recoveries showed acceptable analytical accuracy and precision.

2.7 MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD)

MS/MSDs were prepared and/or analyzed with each batch of samples.

All spike recoveries showed acceptable analytical accuracy and precision with the exception of a low 1,4-dichlorobenzene recovery in the MS/MSD of sample LC-10210B-610. The sample result has been qualified as estimated (see Table 5).

2.8 FIELD QA/QC

Field Duplicate Analyses

Three samples were collected in duplicate and submitted to the laboratory for analysis as summarized in Table 1. All field duplicate results showed acceptable comparability with the original sample results indicating acceptable analytical and field precision.

Trip Blanks

Trip blanks were collected and analyzed for Site-specific VOCs. Low level concentrations of carbon disulfide were observed. All sample results with similar concentrations as in the blanks, were qualified as non-detect (see Table 6). Sample results that were either non-detect or significantly greater than the concentration found in the trip blank would not have been impacted.

Field Blanks

Two rinse blanks were collected and analyzed with the samples as summarized in Table 1. All results were non-detect for all analytes of interest.

2.9 GENERAL COMMENTS

Pesticide analyses were performed using dual column analyses. In general, the pesticide results showed good correlation between the two columns. Variability was observed between some of the results (see Table 7). The associated data were qualified as estimated to reflect the implied variability.

2.10 TENTATIVELY IDENTIFIED COMPOUNDS (TICs)

TICs were evaluated for all samples submitted for volatile and semi-volatile analyses. A summary of the TICs reported and the estimated concentrations is presented in Attachment A. TICs which were present in the blanks or which were identified as aldol condensation products and/or siloxanes have been eliminated.

3.0 CONCLUSION

Based on this QA/QC review, these data were judged acceptable with the qualifications and exceptions noted.

TABLES

TABLE 1

SAMPLE COLLECTION AND ANALYSIS SUMMARY
LONG-TERM MONITORING PROGRAM
MILLER SPRINGS REMEDIATION MANAGEMENT, INC.
LOVE CANAL
JUNE 2010

				Analysis/Parameters			
Sample I.D.	*Location I.D.*	*Collection Date (mm/dd/yy)*	*Collection Time (hr:min)*	*VOCs*	*SVOCs*	*Pesticides/PCBs*	*Comments*
LC-10135-610	10135	06/16/10	11:00:00 AM	X	X	X	
LC-10205-610	10205	06/16/10	10:40:00 AM	X	X	X	
LC-10210B-610	10210B	06/15/10	1:45:00 PM	X	X	X	MS/MSD
LC-10210C-610	10210C	06/15/10	10:15:00 AM	X	X	X	
LC-10215-610	10215	06/15/10	9:20:00 AM	X	X	X	
LC-10225C-610	10225C	06/15/10	3:20:00 PM	X	X	X	
LC-10270-610	10270	06/15/10	4:50:00 PM	X	X	X	
LC-10272-610	10272	06/15/10	10:50:00 AM	X	X	X	
LC-5221-610	5221	06/16/10	12:25:00 PM	X	X	X	
LC-7115-610	7115	06/15/10	2:45:00 PM	X	X	X	
LC-7125-610	7125	06/16/10	10:00:00 AM	X	X	X	
LC-7130-610	7130	06/16/10	12:30:00 PM	X	X	X	
LC-7132-610	7132	06/16/10	1:00:00 PM	X	X	X	
LC-7205-610	7205	06/16/10	1:45:00 PM	X	X	X	MS/MSD
LC-8106-610	8106	06/16/10	1:45:00 PM	X	X	X	
LC-8115-610	8115	06/15/10	9:45:00 AM	X	X	X	
LC-8215-610	7125	06/16/10	10:15:00 AM	X	X	X	Field duplicate of sample LC-7125-610
LC-8125-610	8125	06/15/10	10:30:00 AM	X	X	X	
LC-8205-610	8125	06/15/10	10:45:00 AM	X	X	X	Field duplicate of sample LC-8125-610
LC-8210-610	8210	06/15/10	4:15:00 PM	X	X	X	
LC-9105-610	9105	06/15/10	12:00:00 PM	X	X	X	
LC-9118-610	9118	06/15/10	1:45:00 PM	X	X	X	
LC-9205-610	9205	06/16/10	1:00:00 PM	X	X	X	

TABLE 1

SAMPLE COLLECTION AND ANALYSIS SUMMARY
LONG-TERM MONITORING PROGRAM
MILLER SPRINGS REMEDIATION MANAGEMENT, INC.
LOVE CANAL
JUNE 2010

				Analysis/Parameters			
Sample I.D.	*Location I.D.*	*Collection Date (mm/dd/yy)*	*Collection Time (hr:min)*	*VOCs*	*SVOCs*	*Pesticides/PCBs*	*Comments*
LC-9210-610	9210	06/16/10	11:20:00 AM	X	X	X	
LCTRIP-061510	Trip Blank	06/15/10	-	X			Trip Blank
RINSE1-610	RINSE BLANK	06/15/10	5:15:00 PM	X	X	X	Rinse Blank
LC10210A-610	10210A	06/24/10	8:00:00 AM	X	X	X	
LC10225A-610	10225A	06/24/10	8:30:00 AM	X	X	X	
LC10225B-610	10225B	06/24/10	9:00:00 AM	X	X	X	
LC10278-610	10278	06/23/10	1:00:00 PM	X	X	X	
LC3257-610	3257	06/23/10	12:00:00 PM	X	X	X	
LC6209-610	6209	06/23/10	1:55:00 PM	X	X	X	
LC9113-610	9113	06/23/10	2:20:00 PM	X	X	X	
RINSE2-610	RINSE BLANK	06/23/10	8:30:00 AM	X	X	X	Rinse Blank
LCTRIP-062310	Trip Blank	06/23/10	-	X			Trip Blank
LC8225-610	3257	06/23/10	2:00:00 PM	X	X	X	Field duplicate of sample LC3257-610

Notes:

VOCs	Volatile Organic Compounds.
SVOCs	Semi-Volatile Organic Compounds.
PCBs	Polychlorinated Biphenyls.
MS/MSD	Matrix Spike/Matris Spike Duplicate.

TABLE 2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
MILLER SPRINGS REMEDIATION MANAGEMENT, INC.
LOVE CANAL
JUNE 2010

Parameters	*Units*	*Sample Location:* 3257 *Sample ID:* LC3257-610 *Sample Date:* 6/23/2010	*Sample Location:* 3257 *Sample ID:* LC8225-610 *Sample Date:* 6/23/2010 (Duplicate)	*Sample Location:* 5221 *Sample ID:* LC-5221-610 *Sample Date:* 6/16/2010	*Sample Location:* 6209 *Sample ID:* LC6209-610 *Sample Date:* 6/23/2010	*Sample Location:* 7115 *Sample ID:* LC-7115-610 *Sample Date:* 6/15/2010	*Sample Location:* 7125 *Sample ID:* LC-7125-610 *Sample Date:* 6/16/2010	*Sample Location:* 7125 *Sample ID:* LC-8215-610 *Sample Date:* 6/16/2010 (Duplicate)	*Sample Location:* 7130 *Sample ID:* LC-7130-610 *Sample Date:* 6/16/2010	*Sample Location:* 7132 *Sample ID:* LC-7132-610 *Sample Date:* 6/16/2010	*Sample Location:* 7205 *Sample ID:* LC-7205-610 *Sample Date:* 6/16/2010
Volatile Organic Compounds											
1,1,1-Trichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloropropane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Hexanone	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	µg/L	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Benzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromodichloromethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromoform	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon disulfide	µg/L	9.3 U	8.8 U	5.0 U	11 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon tetrachloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform (Trichloromethane)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloromethane (Methyl chloride)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Toluene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,2-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Vinyl acetate	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Vinyl chloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Xylene (total)	µg/L	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
MILLER SPRINGS REMEDIATION MANAGEMENT, INC.
LOVE CANAL
JUNE 2010

Parameters	*Units*	*Sample Location:* 3257 *Sample ID:* LC3257-610 *Sample Date:* 6/23/2010	3257 LC8225-610 6/23/2010 (Duplicate)	5221 LC-5221-610 6/16/2010	6209 LC6209-610 6/23/2010	7115 LC-7115-610 6/15/2010	7125 LC-7125-610 6/16/2010	7125 LC-8215-610 6/16/2010 (Duplicate)	7130 LC-7130-610 6/16/2010	7132 LC-7132-610 6/16/2010	7205 LC-7205-610 6/16/2010
Semi-volatile Organic Compounds											
1,2,4-Trichlorobenzene	µg/L	9.4 U	9.6 U	9.4 U	9.6 U	9.4 U	9.4 U	9.5 U	10 U	9.9 U	10 U
1,2-Dichlorobenzene	µg/L	9.4 U	9.6 U	9.4 U	9.6 U	9.4 U	9.4 U	9.5 U	10 U	9.9 U	10 U
1,3-Dichlorobenzene	µg/L	9.4 U	9.6 U	9.4 U	9.6 U	9.4 U	9.4 U	9.5 U	10 U	9.9 U	10 U
1,4-Dichlorobenzene	µg/L	9.4 U	9.6 U	9.4 U	9.6 U	9.4 U	9.4 U	9.5 U	10 U	9.9 U	10 U
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	2.0 U	2.0 U
2,4,5-Trichlorophenol	µg/L	9.4 U	9.6 U	9.4 U	9.6 U	9.4 U	9.4 U	9.5 U	10 U	9.9 U	10 U
2,4,6-Trichlorophenol	µg/L	9.4 U	9.6 U	9.4 U	9.6 U	9.4 U	9.4 U	9.5 U	10 U	9.9 U	10 U
2,4-Dichlorophenol	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	2.0 U	2.0 U
2,4-Dimethylphenol	µg/L	9.4 U	9.6 U	9.4 U	9.6 U	9.4 U	9.4 U	9.5 U	10 U	9.9 U	10 U
2,4-Dinitrophenol	µg/L	47 U	48 U	47 U	48 U	47 U	47 U	48 U	50 U	50 U	50 U
2,4-Dinitrotoluene	µg/L	9.4 U	9.6 U	9.4 U	9.6 U	9.4 U	9.4 U	9.5 U	10 U	9.9 U	10 U
2,6-Dinitrotoluene	µg/L	9.4 U	9.6 U	9.4 U	9.6 U	9.4 U	9.4 U	9.5 U	10 U	9.9 U	10 U
2-Chloronaphthalene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	2.0 U	2.0 U
2-Chlorophenol	µg/L	9.4 U	9.6 U	9.4 U	9.6 U	9.4 U	9.4 U	9.5 U	10 U	9.9 U	10 U
2-Methylnaphthalene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	2.0 U	2.0 U
2-Methylphenol	µg/L	9.4 U	9.6 U	9.4 U	9.6 U	9.4 U	9.4 U	9.5 U	10 U	9.9 U	10 U
2-Nitroaniline	µg/L	47 U	48 U	47 U	48 U	47 U	47 U	48 U	50 U	50 U	50 U
2-Nitrophenol	µg/L	9.4 U	9.6 U	9.4 U	9.6 U	9.4 U	9.4 U	9.5 U	10 U	9.9 U	10 U
3,3'-Dichlorobenzidine	µg/L	9.4 U	9.6 U	9.4 U	9.6 U	9.4 U	9.4 U	9.5 U	10 U	9.9 U	10 U
3-Nitroaniline	µg/L	47 U	48 U	47 U	48 U	47 U	47 U	48 U	50 U	50 U	50 U
4,6-Dinitro-2-methylphenol	µg/L	47 U	48 U	47 U	48 U	47 U	47 U	48 U	50 U	50 U	50 U
4-Bromophenyl phenyl ether	µg/L	9.4 U	9.6 U	9.4 U	9.6 U	9.4 U	9.4 U	9.5 U	10 U	9.9 U	10 U
4-Chloro-3-methylphenol	µg/L	9.4 U	9.6 U	9.4 U	9.6 U	9.4 U	9.4 U	9.5 U	10 U	9.9 U	10 U
4-Chloroaniline	µg/L	9.4 U	9.6 U	9.4 U	9.6 U	9.4 U	9.4 U	9.5 U	10 U	9.9 U	10 U
4-Chlorophenyl phenyl ether	µg/L	9.4 U	9.6 U	9.4 U	9.6 U	9.4 U	9.4 U	9.5 U	10 U	9.9 U	10 U
4-Methylphenol	µg/L	9.4 U	9.6 U	9.4 U	9.6 U	9.4 U	9.4 U	9.5 U	10 U	9.9 U	10 U
4-Nitroaniline	µg/L	47 U	48 U	47 U	48 U	47 U	47 U	48 U	50 U	50 U	50 U
4-Nitrophenol	µg/L	47 U	48 U	47 U	48 U	47 U	47 U	48 U	50 U	50 U	50 U
Acenaphthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	2.0 U	2.0 U
Acenaphthylene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	2.0 U	2.0 U
Anthracene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	2.0 U	2.0 U
Benzo(a)anthracene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	2.0 U	2.0 U
Benzo(a)pyrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	2.0 U	2.0 U
Benzo(b)fluoranthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	2.0 U	2.0 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
MILLER SPRINGS REMEDIATION MANAGEMENT, INC.
LOVE CANAL
JUNE 2010

	Sample Location:	*3257*	*3257*	*5221*	*6209*	*7115*	*7125*	*7125*	*7130*	*7132*	*7205*
	Sample ID:	*LC3257-610*	*LC8225-610*	*LC-5221-610*	*LC6209-610*	*LC-7115-610*	*LC-7125-610*	*LC-8215-610*	*LC-7130-610*	*LC-7132-610*	*LC-7205-610*
	Sample Date:	*6/23/2010*	*6/23/2010 (Duplicate)*	*6/16/2010*	*6/23/2010*	*6/15/2010*	*6/16/2010*	*6/16/2010 (Duplicate)*	*6/16/2010*	*6/16/2010*	*6/16/2010*
Parameters	*Units*										
Semi-volatile Organic Compounds (Cont'd.)											
Benzo(g,h,i)perylene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	2.0 U	2.0 U
Benzo(k)fluoranthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	2.0 U	2.0 U
Benzoic acid	µg/L	47 U	48 U	47 UJ	48 U	20 J	47 UJ	48 U	50 UJ	50 UJ	50 U
Benzyl alcohol	µg/L	9.4 U	9.6 U	9.4 U	9.6 U	9.4 U	9.4 U	9.5 U	10 U	9.9 U	10 U
bis(2-Chloroethoxy)methane	µg/L	9.4 U	9.6 U	9.4 U	9.6 U	9.4 U	9.4 U	9.5 U	10 U	9.9 U	10 U
bis(2-Chloroethyl)ether	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	2.0 U	2.0 U
bis(2-Ethylhexyl)phthalate (DEHP)	µg/L	19 U	19 U	19 U	19 U	19 U	19 U	19 U	20 U	20 U	20 U
Butyl benzylphthalate (BBP)	µg/L	9.4 U	9.6 U	9.4 U	9.6 U	9.4 U	9.4 U	9.5 U	10 U	9.9 U	10 U
Chrysene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	2.0 U	2.0 U
Dibenz(a,h)anthracene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	2.0 U	2.0 U
Dibenzofuran	µg/L	9.4 U	9.6 U	9.4 U	9.6 U	9.4 U	9.4 U	9.5 U	10 U	9.9 U	10 U
Diethyl phthalate	µg/L	9.4 U	9.6 U	1.4 J	9.6 U	9.4 U	9.4 U	9.5 U	10 U	9.9 U	10 U
Dimethyl phthalate	µg/L	9.4 U	9.6 U	9.4 U	9.6 U	9.4 U	9.4 U	9.5 U	10 U	9.9 U	10 U
Di-n-butylphthalate (DBP)	µg/L	9.4 U	9.6 U	9.4 U	9.6 U	9.4 U	9.4 U	9.5 U	10 U	9.9 U	10 U
Di-n-octyl phthalate (DnOP)	µg/L	9.4 U	9.6 U	9.4 U	9.6 U	9.4 U	9.4 U	9.5 U	10 U	9.9 U	10 U
Fluoranthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	2.0 U	2.0 U
Fluorene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	2.0 U	2.0 U
Hexachlorobenzene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	2.0 U	2.0 U
Hexachlorobutadiene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	2.0 U	2.0 U
Hexachlorocyclopentadiene	µg/L	9.4 U	9.6 UJ	9.4 UJ	9.6 UJ	9.4 UJ	9.4 UJ	9.5 U	10 UJ	9.9 UJ	10 U
Hexachloroethane	µg/L	9.4 U	9.6 U	9.4 U	9.6 U	9.4 U	9.4 U	9.5 U	10 U	9.9 U	10 U
Indeno(1,2,3-cd)pyrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	2.0 U	2.0 U
Isophorone	µg/L	9.4 U	9.6 U	9.4 U	9.6 U	9.4 U	9.4 U	9.5 U	10 U	9.9 U	10 U
Naphthalene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	2.0 U	2.0 U
Nitrobenzene	µg/L	19 U	19 U	19 U	19 U	19 U	19 U	19 U	20 U	20 U	20 U
N-Nitrosodi-n-propylamine	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	2.0 U	2.0 U
N-Nitrosodiphenylamine	µg/L	9.4 U	9.6 U	9.4 U	9.6 U	9.4 U	9.4 U	9.5 U	10 U	9.9 U	10 U
Pentachlorophenol	µg/L	9.4 U	9.6 U	9.4 U	9.6 U	9.4 U	9.4 U	9.5 U	10 U	9.9 U	10 U
Phenanthrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	2.0 U	2.0 U
Phenol	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	2.0 U	2.0 U
Pyrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	2.0 U	2.0 U
Polychlorinated Biphenyls											
Aroclor-1016 (PCB-1016)	µg/L	0.39 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.39 U	0.38 U
Aroclor-1221 (PCB-1221)	µg/L	0.39 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.39 U	0.38 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
MILLER SPRINGS REMEDIATION MANAGEMENT, INC.
LOVE CANAL
JUNE 2010

	Sample Location:	*3257*	*3257*	*5221*	*6209*	*7115*	*7125*	*7125*	*7130*	*7132*	*7205*
	Sample ID:	*LC3257-610*	*LC8225-610*	*LC-5221-610*	*LC6209-610*	*LC-7115-610*	*LC-7125-610*	*LC-8215-610*	*LC-7130-610*	*LC-7132-610*	*LC-7205-610*
	Sample Date:	*6/23/2010*	*6/23/2010 (Duplicate)*	*6/16/2010*	*6/23/2010*	*6/15/2010*	*6/16/2010*	*6/16/2010 (Duplicate)*	*6/16/2010*	*6/16/2010*	*6/16/2010*
Parameters	*Units*										
Polychlorinated Biphenyls (Cont'd.)											
Aroclor-1232 (PCB-1232)	µg/L	0.39 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.39 U	0.38 U
Aroclor-1242 (PCB-1242)	µg/L	0.39 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.39 U	0.38 U
Aroclor-1248 (PCB-1248)	µg/L	0.39 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.39 U	0.38 U
Aroclor-1254 (PCB-1254)	µg/L	0.39 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.39 U	0.38 U
Aroclor-1260 (PCB-1260)	µg/L	0.39 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.39 U	0.38 U
Pesticides											
4,4'-DDD	µg/L	0.049 UJ	0.048 U	0.048 U	0.048 UJ	0.048 U	0.048 U	0.047 U	0.048 U	0.048 U	0.048 U
4,4'-DDE	µg/L	0.049 UJ	0.048 U	0.048 U	0.048 UJ	0.048 U	0.048 U	0.047 U	0.048 U	0.048 U	0.048 U
4,4'-DDT	µg/L	0.049 UJ	0.048 U	0.048 U	0.048 UJ	0.048 U	0.048 U	0.047 U	0.048 U	0.048 U	0.048 U
Aldrin	µg/L	0.049 UJ	0.048 U	0.048 U	0.048 UJ	0.048 U	0.048 U	0.047 U	0.048 U	0.048 U	0.048 U
alpha-BHC	µg/L	0.049 UJ	0.048 U	0.048 U	0.048 UJ	0.048 U	0.048 U	0.047 U	0.048 U	0.048 U	0.048 U
alpha-Chlordane	µg/L	0.049 UJ	0.048 U	0.048 U	0.048 UJ	0.048 U	0.048 U	0.047 U	0.048 U	0.048 U	0.048 U
beta-BHC	µg/L	0.049 UJ	0.048 U	0.048 U	0.048 UJ	0.048 U	0.048 U	0.047 U	0.048 U	0.048 U	0.048 U
delta-BHC	µg/L	0.049 UJ	0.048 U	0.048 U	0.048 UJ	0.020 J	0.048 U	0.047 U	0.048 U	0.048 U	0.048 U
Dieldrin	µg/L	0.049 UJ	0.048 U	0.048 U	0.048 UJ	0.048 U	0.048 U	0.047 U	0.048 U	0.048 U	0.048 U
Endosulfan I	µg/L	0.049 UJ	0.048 U	0.048 U	0.048 UJ	0.048 U	0.048 U	0.047 U	0.048 U	0.048 U	0.048 U
Endosulfan II	µg/L	0.049 UJ	0.048 U	0.048 U	0.048 UJ	0.048 U	0.048 U	0.047 U	0.048 U	0.048 U	0.048 U
Endosulfan sulfate	µg/L	0.049 UJ	0.048 U	0.048 U	0.048 UJ	0.048 U	0.048 U	0.047 U	0.048 U	0.048 U	0.048 U
Endrin	µg/L	0.049 UJ	0.048 U	0.048 U	0.048 UJ	0.048 U	0.048 U	0.047 U	0.048 U	0.048 U	0.048 U
Endrin ketone	µg/L	0.049 UJ	0.048 U	0.048 U	0.048 UJ	0.048 U	0.048 U	0.047 U	0.048 U	0.048 U	0.048 U
gamma-BHC (lindane)	µg/L	0.049 UJ	0.048 U	0.048 U	0.048 UJ	0.048 U	0.048 U	0.047 U	0.048 U	0.048 U	0.048 U
gamma-Chlordane	µg/L	0.049 UJ	0.048 U	0.048 U	0.048 UJ	0.048 U	0.048 U	0.047 U	0.048 U	0.048 U	0.048 U
Heptachlor	µg/L	0.049 UJ	0.048 U	0.048 U	0.048 UJ	0.048 U	0.048 U	0.047 U	0.048 U	0.048 U	0.048 U
Heptachlor epoxide	µg/L	0.049 UJ	0.048 U	0.048 U	0.048 UJ	0.048 U	0.048 U	0.047 U	0.048 U	0.048 U	0.048 U
Methoxychlor	µg/L	0.098 UJ	0.095 U	0.095 U	0.095 UJ	0.096 U	0.095 U	0.094 U	0.095 U	0.097 U	0.096 U
Toxaphene	µg/L	3.9 UJ	3.8 U	3.8 U	3.8 UJ	3.8 U	3.8 U	3.8 U	3.8 U	3.9 U	3.8 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
MILLER SPRINGS REMEDIATION MANAGEMENT, INC.
LOVE CANAL
JUNE 2010

Parameters	*Units*	*Sample Location:* *8106* *Sample ID:* *LC-8106-610* *Sample Date:* *6/16/2010*	*8115* *LC-8115-610* *6/15/2010*	*8125* *LC-8125-610* *6/15/2010*	*8125* *LC-8205-610* *6/15/2010* *(Duplicate)*	*8210* *LC-8210-610* *6/15/2010*	*9105* *LC-9105-610* *6/15/2010*	*9113* *LC9113-610* *6/23/2010*	*9118* *LC-9118-610* *6/15/2010*	*9205* *LC-9205-610* *6/16/2010*	*9210* *LC-9210-610* *6/16/2010*
Volatile Organic Compounds											
1,1,1-Trichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloropropane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Hexanone	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	µg/L	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Benzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromodichloromethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromoform	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon disulfide	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	8.3 U	5.0 U	5.0 U	1.1 J
Carbon tetrachloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform (Trichloromethane)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloromethane (Methyl chloride)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Toluene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,2-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Vinyl acetate	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Vinyl chloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Xylene (total)	µg/L	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
MILLER SPRINGS REMEDIATION MANAGEMENT, INC.
LOVE CANAL
JUNE 2010

Parameters	*Units*	*Sample Location:* *8106* *Sample ID:* *LC-8106-610* *Sample Date:* *6/16/2010*	*8115* *LC-8115-610* *6/15/2010*	*8125* *LC-8125-610* *6/15/2010*	*8125* *LC-8205-610* *6/15/2010* *(Duplicate)*	*8210* *LC-8210-610* *6/15/2010*	*9105* *LC-9105-610* *6/15/2010*	*9113* *LC9113-610* *6/23/2010*	*9118* *LC-9118-610* *6/15/2010*	*9205* *LC-9205-610* *6/16/2010*	*9210* *LC-9210-610* *6/16/2010*
Semi-volatile Organic Compounds											
1,2,4-Trichlorobenzene	µg/L	9.4 U	9.5 U	10 U	10 U	9.4 U	9.4 U	9.4 U	9.4 U	9.5 U	9.4 U
1,2-Dichlorobenzene	µg/L	9.4 U	9.5 U	10 U	10 U	9.4 U	9.4 U	9.4 U	9.4 U	9.5 U	9.4 U
1,3-Dichlorobenzene	µg/L	9.4 U	9.5 U	10 U	10 U	9.4 U	9.4 U	9.4 U	9.4 U	9.5 U	9.4 U
1,4-Dichlorobenzene	µg/L	9.4 U	9.5 U	10 U	10 U	9.4 U	9.4 U	9.4 U	9.4 U	9.5 U	9.4 U
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	µg/L	1.9 U	1.9 U	2.0 U	2.1 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
2,4,5-Trichlorophenol	µg/L	9.4 U	9.5 U	10 U	10 U	9.4 U	9.4 U	9.4 U	9.4 U	9.5 U	9.4 U
2,4,6-Trichlorophenol	µg/L	9.4 U	9.5 U	10 U	10 U	9.4 U	9.4 U	9.4 U	9.4 U	9.5 U	9.4 U
2,4-Dichlorophenol	µg/L	1.9 U	1.9 U	2.0 U	2.1 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
2,4-Dimethylphenol	µg/L	9.4 U	9.5 U	10 U	10 U	9.4 U	9.4 U	9.4 U	9.4 U	9.5 U	9.4 U
2,4-Dinitrophenol	µg/L	47 U	48 U	50 U	52 U	47 U	47 U	47 U	47 U	48 U	47 U
2,4-Dinitrotoluene	µg/L	9.4 U	9.5 U	10 U	10 U	9.4 U	9.4 U	9.4 U	9.4 U	9.5 U	9.4 U
2,6-Dinitrotoluene	µg/L	9.4 U	9.5 U	10 U	10 U	9.4 U	9.4 U	9.4 U	9.4 U	9.5 U	9.4 U
2-Chloronaphthalene	µg/L	1.9 U	1.9 U	2.0 U	2.1 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
2-Chlorophenol	µg/L	9.4 U	9.5 U	10 U	10 U	9.4 U	9.4 U	9.4 U	9.4 U	9.5 U	9.4 U
2-Methylnaphthalene	µg/L	1.9 U	1.9 U	2.0 U	2.1 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
2-Methylphenol	µg/L	9.4 U	9.5 U	10 U	10 U	9.4 U	9.4 U	9.4 U	9.4 U	9.5 U	9.4 U
2-Nitroaniline	µg/L	47 U	48 U	50 U	52 U	47 U	47 U	47 U	47 U	48 U	47 U
2-Nitrophenol	µg/L	9.4 U	9.5 U	10 U	10 U	9.4 U	9.4 U	9.4 U	9.4 U	9.5 U	9.4 U
3,3'-Dichlorobenzidine	µg/L	9.4 U	9.5 U	10 U	10 U	9.4 U	9.4 U	9.4 U	9.4 U	9.5 U	9.4 U
3-Nitroaniline	µg/L	47 U	48 U	50 U	52 U	47 U	47 U	47 U	47 U	48 U	47 U
4,6-Dinitro-2-methylphenol	µg/L	47 U	48 U	50 U	52 U	47 U	47 U	47 U	47 U	48 U	47 U
4-Bromophenyl phenyl ether	µg/L	9.4 U	9.5 U	10 U	10 U	9.4 U	9.4 U	9.4 U	9.4 U	9.5 U	9.4 U
4-Chloro-3-methylphenol	µg/L	9.4 U	9.5 U	10 U	10 U	9.4 U	9.4 U	9.4 U	9.4 U	9.5 U	9.4 U
4-Chloroaniline	µg/L	9.4 U	9.5 U	10 U	10 U	9.4 U	9.4 U	9.4 U	9.4 U	9.5 U	9.4 U
4-Chlorophenyl phenyl ether	µg/L	9.4 U	9.5 U	10 U	10 U	9.4 U	9.4 U	9.4 U	9.4 U	9.5 U	9.4 U
4-Methylphenol	µg/L	9.4 U	9.5 U	10 U	10 U	9.4 U	9.4 U	9.4 U	9.4 U	9.5 U	9.4 U
4-Nitroaniline	µg/L	47 U	48 U	50 U	52 U	47 U	47 U	47 U	47 U	48 U	47 U
4-Nitrophenol	µg/L	47 U	48 U	50 U	52 U	47 U	47 U	47 U	47 U	48 U	47 U
Acenaphthene	µg/L	1.9 U	1.9 U	2.0 U	2.1 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Acenaphthylene	µg/L	1.9 U	1.9 U	2.0 U	2.1 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Anthracene	µg/L	1.9 U	1.9 U	2.0 U	2.1 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(a)anthracene	µg/L	1.9 U	1.9 U	2.0 U	2.1 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(a)pyrene	µg/L	1.9 U	1.9 U	2.0 U	2.1 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(b)fluoranthene	µg/L	1.9 U	1.9 U	2.0 U	2.1 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
MILLER SPRINGS REMEDIATION MANAGEMENT, INC.
LOVE CANAL
JUNE 2010

Parameters	*Units*	*Sample Location:* 8106 *Sample ID:* LC-8106-610 *Sample Date:* 6/16/2010	*Sample Location:* 8115 *Sample ID:* LC-8115-610 *Sample Date:* 6/15/2010	*Sample Location:* 8125 *Sample ID:* LC-8125-610 *Sample Date:* 6/15/2010	*Sample Location:* 8125 *Sample ID:* LC-8205-610 *Sample Date:* 6/15/2010 (Duplicate)	*Sample Location:* 8210 *Sample ID:* LC-8210-610 *Sample Date:* 6/15/2010	*Sample Location:* 9105 *Sample ID:* LC-9105-610 *Sample Date:* 6/15/2010	*Sample Location:* 9113 *Sample ID:* LC9113-610 *Sample Date:* 6/23/2010	*Sample Location:* 9118 *Sample ID:* LC-9118-610 *Sample Date:* 6/15/2010	*Sample Location:* 9205 *Sample ID:* LC-9205-610 *Sample Date:* 6/16/2010	*Sample Location:* 9210 *Sample ID:* LC-9210-610 *Sample Date:* 6/16/2010
Semi-volatile Organic Compounds (Cont'd.)											
Benzo(g,h,i)perylene	µg/L	1.9 U	1.9 U	2.0 U	2.1 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(k)fluoranthene	µg/L	1.9 U	1.9 U	2.0 U	2.1 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Benzoic acid	µg/L	47 U	48 U	50 U	52 U	47 U	47 U	47 U	47 U	48 U	47 U
Benzyl alcohol	µg/L	9.4 U	9.5 U	10 U	10 U	9.4 U	9.4 U	9.4 U	9.4 U	9.5 U	9.4 U
bis(2-Chloroethoxy)methane	µg/L	9.4 U	9.5 U	10 U	10 U	9.4 U	9.4 U	9.4 U	9.4 U	9.5 U	9.4 U
bis(2-Chloroethyl)ether	µg/L	1.9 U	1.9 U	2.0 U	2.1 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
bis(2-Ethylhexyl)phthalate (DEHP)	µg/L	19 U	19 U	20 U	21 U	19 U	19 U	19 U	19 U	19 U	19 U
Butyl benzylphthalate (BBP)	µg/L	9.4 U	9.5 U	10 U	10 U	9.4 U	9.4 U	9.4 U	9.4 U	9.5 U	9.4 U
Chrysene	µg/L	1.9 U	1.9 U	2.0 U	2.1 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Dibenz(a,h)anthracene	µg/L	1.9 U	1.9 U	2.0 U	2.1 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Dibenzofuran	µg/L	9.4 U	9.5 U	10 U	10 U	9.4 U	9.4 U	9.4 U	9.4 U	9.5 U	9.4 U
Diethyl phthalate	µg/L	9.4 U	9.5 U	10 U	10 U	1.4 J	9.4 U	9.4 U	9.4 U	9.5 U	2.2 J
Dimethyl phthalate	µg/L	9.4 U	9.5 U	10 U	10 U	9.4 U	9.4 U	9.4 U	9.4 U	9.5 U	9.4 U
Di-n-butylphthalate (DBP)	µg/L	9.4 U	9.5 U	10 U	10 U	9.4 U	9.4 U	9.4 U	9.4 U	9.5 U	9.4 U
Di-n-octyl phthalate (DnOP)	µg/L	9.4 U	9.5 U	10 U	10 U	9.4 U	9.4 U	9.4 U	9.4 U	9.5 U	9.4 U
Fluoranthene	µg/L	1.9 U	1.9 U	2.0 U	2.1 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Fluorene	µg/L	1.9 U	1.9 U	2.0 U	2.1 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Hexachlorobenzene	µg/L	1.9 U	1.9 U	2.0 U	2.1 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Hexachlorobutadiene	µg/L	1.9 U	1.9 U	2.0 U	2.1 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Hexachlorocyclopentadiene	µg/L	9.4 U	9.5 U	10 U	10 U	9.4 U	9.4 U	9.4 UJ	9.4 U	9.5 U	9.4 U
Hexachloroethane	µg/L	9.4 U	9.5 U	10 U	10 U	9.4 U	9.4 U	9.4 U	9.4 U	9.5 U	9.4 U
Indeno(1,2,3-cd)pyrene	µg/L	1.9 U	1.9 U	2.0 U	2.1 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Isophorone	µg/L	9.4 U	9.5 U	10 U	10 U	9.4 U	9.4 U	9.4 U	9.4 U	9.5 U	9.4 U
Naphthalene	µg/L	1.9 U	1.9 U	2.0 U	2.1 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Nitrobenzene	µg/L	19 U	19 U	20 U	21 U	19 U	19 U	19 U	19 U	19 U	19 U
N-Nitrosodi-n-propylamine	µg/L	1.9 U	1.9 U	2.0 U	2.1 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
N-Nitrosodiphenylamine	µg/L	9.4 U	9.5 U	10 U	10 U	9.4 U	9.4 U	9.4 U	9.4 U	9.5 U	9.4 U
Pentachlorophenol	µg/L	9.4 U	9.5 U	10 U	10 U	9.4 U	9.4 U	9.4 U	9.4 U	9.5 U	9.4 U
Phenanthrene	µg/L	1.9 U	1.9 U	2.0 U	2.1 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Phenol	µg/L	1.9 U	1.9 U	2.0 U	2.1 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Pyrene	µg/L	1.9 U	1.9 U	2.0 U	2.1 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Polychlorinated Biphenyls											
Aroclor-1016 (PCB-1016)	µg/L	0.39 U	0.38 U	0.38 U	0.40 U	0.39 U	0.40 U	0.38 U	0.40 U	0.38 U	0.38 U
Aroclor-1221 (PCB-1221)	µg/L	0.39 U	0.38 U	0.38 U	0.40 U	0.39 U	0.40 U	0.38 U	0.40 U	0.38 U	0.38 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
MILLER SPRINGS REMEDIATION MANAGEMENT, INC.
LOVE CANAL
JUNE 2010

	Sample Location:	*8106*	*8115*	*8125*	*8125*	*8210*	*9105*	*9113*	*9118*	*9205*	*9210*
	Sample ID:	*LC-8106-610*	*LC-8115-610*	*LC-8125-610*	*LC-8205-610*	*LC-8210-610*	*LC-9105-610*	*LC9113-610*	*LC-9118-610*	*LC-9205-610*	*LC-9210-610*
	Sample Date:	*6/16/2010*	*6/15/2010*	*6/15/2010*	*6/15/2010 (Duplicate)*	*6/15/2010*	*6/15/2010*	*6/23/2010*	*6/15/2010*	*6/16/2010*	*6/16/2010*
Parameters	*Units*										
Polychlorinated Biphenyls (Cont'd.)											
Aroclor-1232 (PCB-1232)	µg/L	0.39 U	0.38 U	0.38 U	0.40 U	0.39 U	0.40 U	0.38 U	0.40 U	0.38 U	0.38 U
Aroclor-1242 (PCB-1242)	µg/L	0.39 U	0.38 U	0.38 U	0.40 U	0.39 U	0.40 U	0.38 U	0.40 U	0.38 U	0.38 U
Aroclor-1248 (PCB-1248)	µg/L	0.39 U	0.38 U	0.38 U	0.40 U	0.39 U	0.40 U	0.38 U	0.40 U	0.38 U	0.38 U
Aroclor-1254 (PCB-1254)	µg/L	0.39 U	0.38 U	0.38 U	0.40 U	0.39 U	0.40 U	0.38 U	0.40 U	0.38 U	0.38 U
Aroclor-1260 (PCB-1260)	µg/L	0.39 U	0.38 U	0.38 U	0.40 U	0.39 U	0.40 U	0.38 U	0.40 U	0.38 U	0.38 U
Pesticides											
4,4'-DDD	µg/L	0.048 U	0.048 U	0.048 U	0.050 U	0.048 UJ	0.050 U	0.047 U	0.050 U	0.048 U	0.048 U
4,4'-DDE	µg/L	0.048 U	0.048 U	0.048 U	0.050 U	0.048 UJ	0.050 U	0.047 U	0.050 U	0.048 U	0.048 U
4,4'-DDT	µg/L	0.048 U	0.048 U	0.048 U	0.050 U	0.048 UJ	0.050 U	0.047 U	0.050 U	0.048 U	0.048 U
Aldrin	µg/L	0.048 U	0.048 U	0.048 U	0.050 U	0.048 UJ	0.050 U	0.047 U	0.050 U	0.048 U	0.048 U
alpha-BHC	µg/L	0.048 U	0.048 U	0.048 U	0.050 U	0.048 UJ	0.050 U	0.047 U	0.050 U	0.048 U	0.048 U
alpha-Chlordane	µg/L	0.048 U	0.048 U	0.048 U	0.050 U	0.048 UJ	0.050 U	0.047 U	0.050 U	0.048 U	0.048 U
beta-BHC	µg/L	0.048 U	0.048 U	0.048 U	0.050 U	0.048 UJ	0.050 U	0.047 U	0.050 U	0.048 U	0.048 U
delta-BHC	µg/L	0.048 U	0.048 U	0.048 U	0.050 U	0.048 UJ	0.050 U	0.047 U	0.050 U	0.048 U	0.048 U
Dieldrin	µg/L	0.048 U	0.048 U	0.048 U	0.050 U	0.048 UJ	0.050 U	0.047 U	0.050 U	0.048 U	0.048 U
Endosulfan I	µg/L	0.048 U	0.048 U	0.048 U	0.050 U	0.048 UJ	0.050 U	0.047 U	0.050 U	0.048 U	0.048 U
Endosulfan II	µg/L	0.048 U	0.048 U	0.048 U	0.050 U	0.048 UJ	0.050 U	0.047 U	0.050 U	0.048 U	0.048 U
Endosulfan sulfate	µg/L	0.048 U	0.048 U	0.048 U	0.050 U	0.048 UJ	0.050 U	0.047 U	0.050 U	0.048 U	0.048 U
Endrin	µg/L	0.048 U	0.048 U	0.048 U	0.050 U	0.048 UJ	0.050 U	0.047 U	0.050 U	0.048 U	0.048 U
Endrin ketone	µg/L	0.048 U	0.048 U	0.048 U	0.050 U	0.048 UJ	0.050 U	0.047 U	0.050 U	0.048 U	0.048 U
gamma-BHC (lindane)	µg/L	0.048 U	0.048 U	0.048 U	0.050 U	0.14 J	0.050 U	0.047 U	0.050 U	0.048 U	0.048 U
gamma-Chlordane	µg/L	0.048 U	0.048 U	0.048 U	0.050 U	0.048 UJ	0.050 U	0.047 U	0.050 U	0.048 U	0.048 U
Heptachlor	µg/L	0.048 U	0.048 U	0.048 U	0.050 U	0.048 UJ	0.050 U	0.047 U	0.050 U	0.048 U	0.048 U
Heptachlor epoxide	µg/L	0.048 U	0.048 U	0.048 U	0.050 U	0.048 UJ	0.050 U	0.047 U	0.050 U	0.048 U	0.048 U
Methoxychlor	µg/L	0.097 U	0.095 U	0.095 U	0.10 U	0.097 UJ	0.10 U	0.094 U	0.099 U	0.095 U	0.095 U
Toxaphene	µg/L	3.9 U	3.8 U	3.8 U	4.0 U	3.9 UJ	4.0 U	3.8 U	4.0 U	3.8 U	3.8 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
MILLER SPRINGS REMEDIATION MANAGEMENT, INC.
LOVE CANAL
JUNE 2010

	Sample Location:	*10135*	*10205*	*10210A*	*10210B*	*10210C*	*10215*	*10225A*	*10225B*	*10225C*
	Sample ID:	*LC-10135-610*	*LC-10205-610*	*LC10210A-610*	*LC-10210B-610*	*LC-10210C-610*	*LC-10215-610*	*LC10225A-610*	*LC10225B-610*	*LC-10225C-610*
	Sample Date:	*6/16/2010*	*6/16/2010*	*6/24/2010*	*6/15/2010*	*6/15/2010*	*6/15/2010*	*6/24/2010*	*6/24/2010*	*6/15/2010*
Parameters	*Units*									
Volatile Organic Compounds										
1,1,1-Trichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloropropane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Hexanone	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	µg/L	39	7.8 J	5.2 J	20 U	20 U	20 U	20 U	20 U	20 U
Benzene	µg/L	3400	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromodichloromethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromoform	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon disulfide	µg/L	5.0 U	1.1 J	5.0 U	4.0 J	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon tetrachloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	µg/L	1300	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.5 J
Chloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform (Trichloromethane)	µg/L	160	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloromethane (Methyl chloride)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	µg/L	110	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.6 J
cis-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	µg/L	13	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	µg/L	38	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	µg/L	19	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Toluene	µg/L	11000	5.0 U	5.0 U	5.0 U	5.0 U	2.5 J	5.0 U	1.5 J	1.6 J
trans-1,2-Dichloroethene	µg/L	48	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	µg/L	140	5.0 U	6.3	5.0 U	5.0 U	5.0 U	5.1	5.0 U	13
Vinyl acetate	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Vinyl chloride	µg/L	31	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Xylene (total)	µg/L	51	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
MILLER SPRINGS REMEDIATION MANAGEMENT, INC.
LOVE CANAL
JUNE 2010

Sample Location:		*10135*	*10205*	*10210A*	*10210B*	*10210C*	*10215*	*10225A*	*10225B*	*10225C*
Sample ID:		*LC-10135-610*	*LC-10205-610*	*LC10210A-610*	*LC-10210B-610*	*LC-10210C-610*	*LC-10215-610*	*LC10225A-610*	*LC10225B-610*	*LC-10225C-610*
Sample Date:		*6/16/2010*	*6/16/2010*	*6/24/2010*	*6/15/2010*	*6/15/2010*	*6/15/2010*	*6/24/2010*	*6/24/2010*	*6/15/2010*
Parameters	*Units*									
Semi-volatile Organic Compounds										
1,2,4-Trichlorobenzene	µg/L	78 J	9.7 U	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U	9.8 U	4.7 J
1,2-Dichlorobenzene	µg/L	57 J	9.7 U	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U	9.8 U	0.94 J
1,3-Dichlorobenzene	µg/L	240 U	9.7 U	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U	9.8 U	9.5 U
1,4-Dichlorobenzene	µg/L	150 J	9.7 U	9.4 U	9.5 UJ	9.4 U	9.5 U	9.4 U	9.8 U	9.5 U
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	µg/L	47 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	1.9 U
2,4,5-Trichlorophenol	µg/L	240 U	9.7 U	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U	9.8 U	9.5 U
2,4,6-Trichlorophenol	µg/L	240 U	9.7 U	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U	9.8 U	9.5 U
2,4-Dichlorophenol	µg/L	780	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	1.9 U
2,4-Dimethylphenol	µg/L	240 U	9.7 U	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U	9.8 U	9.5 U
2,4-Dinitrophenol	µg/L	1200 U	48 U	47 U	48 U	47 U	48 U	47 U	49 U	48 U
2,4-Dinitrotoluene	µg/L	240 U	9.7 U	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U	9.8 U	9.5 U
2,6-Dinitrotoluene	µg/L	240 U	9.7 U	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U	9.8 U	9.5 U
2-Chloronaphthalene	µg/L	47 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	1.9 U
2-Chlorophenol	µg/L	240 U	9.7 U	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U	9.8 U	9.5 U
2-Methylnaphthalene	µg/L	47 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	1.9 U
2-Methylphenol	µg/L	42 J	9.7 U	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U	9.8 U	9.5 U
2-Nitroaniline	µg/L	1200 U	48 U	47 U	48 U	47 U	48 U	47 U	49 U	48 U
2-Nitrophenol	µg/L	240 U	9.7 U	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U	9.8 U	9.5 U
3,3'-Dichlorobenzidine	µg/L	240 U	9.7 U	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U	9.8 U	9.5 U
3-Nitroaniline	µg/L	1200 U	48 U	47 U	48 U	47 U	48 U	47 U	49 U	48 U
4,6-Dinitro-2-methylphenol	µg/L	1200 U	48 U	47 U	48 U	47 U	48 U	47 U	49 U	48 U
4-Bromophenyl phenyl ether	µg/L	240 U	9.7 U	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U	9.8 U	9.5 U
4-Chloro-3-methylphenol	µg/L	31 J	9.7 U	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U	9.8 U	9.5 U
4-Chloroaniline	µg/L	240 U	9.7 U	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U	9.8 U	9.5 U
4-Chlorophenyl phenyl ether	µg/L	240 U	9.7 U	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U	9.8 U	9.5 U
4-Methylphenol	µg/L	130 J	9.7 U	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U	9.8 U	9.5 U
4-Nitroaniline	µg/L	1200 U	48 U	47 U	48 U	47 U	48 U	47 U	49 U	48 U
4-Nitrophenol	µg/L	1200 U	48 U	47 U	48 U	47 U	48 U	47 U	49 U	48 U
Acenaphthene	µg/L	47 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	1.9 U
Acenaphthylene	µg/L	47 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	1.9 U
Anthracene	µg/L	47 U	1.0 J	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	1.9 U
Benzo(a)anthracene	µg/L	47 U	6.8	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	1.9 U
Benzo(a)pyrene	µg/L	47 U	5.4	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	1.9 U
Benzo(b)fluoranthene	µg/L	47 U	5.8	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	1.9 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
MILLER SPRINGS REMEDIATION MANAGEMENT, INC.
LOVE CANAL
JUNE 2010

	Sample Location:	*10135*	*10205*	*10210A*	*10210B*	*10210C*	*10215*	*10225A*	*10225B*	*10225C*
	Sample ID:	*LC-10135-610*	*LC-10205-610*	*LC10210A-610*	*LC-10210B-610*	*LC-10210C-610*	*LC-10215-610*	*LC10225A-610*	*LC10225B-610*	*LC-10225C-610*
	Sample Date:	*6/16/2010*	*6/16/2010*	*6/24/2010*	*6/15/2010*	*6/15/2010*	*6/15/2010*	*6/24/2010*	*6/24/2010*	*6/15/2010*
Parameters	*Units*									
Semi-volatile Organic Compounds (Cont'd.)										
Benzo(g,h,i)perylene	µg/L	47 U	7.3	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	1.9 U
Benzo(k)fluoranthene	µg/L	47 U	7.0	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	1.9 U
Benzoic acid	µg/L	9500	48 UJ	47 U	48 UJ	47 UJ	48 UJ	47 U	49 U	48 UJ
Benzyl alcohol	µg/L	610	9.7 U	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U	9.8 U	9.5 U
bis(2-Chloroethoxy)methane	µg/L	240 U	9.7 U	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U	9.8 U	9.5 U
bis(2-Chloroethyl)ether	µg/L	34 J	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	1.9 U
bis(2-Ethylhexyl)phthalate (DEHP)	µg/L	470 U	19 U	19 U	19 U	19 U	19 U	19 U	20 U	19 U
Butyl benzylphthalate (BBP)	µg/L	240 U	3.1 J	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U	9.8 U	9.5 U
Chrysene	µg/L	47 U	7.4	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	1.9 U
Dibenz(a,h)anthracene	µg/L	47 U	7.6	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	1.9 U
Dibenzofuran	µg/L	240 U	9.7 U	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U	9.8 U	9.5 U
Diethyl phthalate	µg/L	240 U	9.7 U	9.4 U	9.5 U	4.4 J	5.0 J	9.4 U	9.8 U	9.5 U
Dimethyl phthalate	µg/L	240 U	9.7 U	9.4 U	9.5 U	0.87 J	9.5 U	9.4 U	9.8 U	9.5 U
Di-n-butylphthalate (DBP)	µg/L	240 U	9.7 U	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U	9.8 U	9.5 U
Di-n-octyl phthalate (DnOP)	µg/L	240 U	5.1 J	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U	9.8 U	9.5 U
Fluoranthene	µg/L	47 U	2.6	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	1.9 U
Fluorene	µg/L	47 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	1.9 U
Hexachlorobenzene	µg/L	47 U	1.3 J	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	1.9 U
Hexachlorobutadiene	µg/L	47 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	1.9 U
Hexachlorocyclopentadiene	µg/L	240 UJ	9.7 UJ	9.4 U	9.5 UJ	9.4 UJ	9.5 UJ	9.4 U	9.8 U	9.5 UJ
Hexachloroethane	µg/L	240 U	9.7 U	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U	9.8 U	9.5 U
Indeno(1,2,3-cd)pyrene	µg/L	47 U	6.9	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	1.9 U
Isophorone	µg/L	240 U	9.7 U	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U	9.8 U	9.5 U
Naphthalene	µg/L	47 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	0.46 J	2.0 U	1.9 U
Nitrobenzene	µg/L	470 U	19 U	19 U	19 U	19 U	19 U	19 U	20 U	19 U
N-Nitrosodi-n-propylamine	µg/L	47 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	1.9 U
N-Nitrosodiphenylamine	µg/L	240 U	9.7 U	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U	9.8 U	9.5 U
Pentachlorophenol	µg/L	240 U	9.7 U	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U	9.8 U	9.5 U
Phenanthrene	µg/L	47 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	1.9 U
Phenol	µg/L	100	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	1.9 U
Pyrene	µg/L	47 U	3.3	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	2.0 U	1.9 U
Polychlorinated Biphenyls										
Aroclor-1016 (PCB-1016)	µg/L	0.38 U	0.38 U	0.39 U	0.38 U	0.38 U	0.38 U	0.39 U	0.38 U	0.38 U
Aroclor-1221 (PCB-1221)	µg/L	0.38 U	0.38 U	0.39 U	0.38 U	0.38 U	0.38 U	0.39 U	0.38 U	0.38 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
MILLER SPRINGS REMEDIATION MANAGEMENT, INC.
LOVE CANAL
JUNE 2010

	Sample Location:	*10135*	*10205*	*10210A*	*10210B*	*10210C*	*10215*	*10225A*	*10225B*	*10225C*
	Sample ID:	*LC-10135-610*	*LC-10205-610*	*LC10210A-610*	*LC-10210B-610*	*LC-10210C-610*	*LC-10215-610*	*LC10225A-610*	*LC10225B-610*	*LC-10225C-610*
	Sample Date:	*6/16/2010*	*6/16/2010*	*6/24/2010*	*6/15/2010*	*6/15/2010*	*6/15/2010*	*6/24/2010*	*6/24/2010*	*6/15/2010*
Parameters	*Units*									
Polychlorinated Biphenyls (Cont'd.)										
Aroclor-1232 (PCB-1232)	µg/L	0.38 U	0.38 U	0.39 U	0.38 U	0.38 U	0.38 U	0.39 U	0.38 U	0.38 U
Aroclor-1242 (PCB-1242)	µg/L	0.38 U	0.38 U	0.39 U	0.38 U	0.38 U	0.38 U	0.39 U	0.38 U	0.38 U
Aroclor-1248 (PCB-1248)	µg/L	0.38 U	0.38 U	0.39 U	0.38 U	0.38 U	0.38 U	0.39 U	0.38 U	0.38 U
Aroclor-1254 (PCB-1254)	µg/L	0.38 U	0.38 U	0.39 U	0.38 U	0.38 U	0.38 U	0.39 U	0.38 U	0.38 U
Aroclor-1260 (PCB-1260)	µg/L	0.38 U	0.38 U	0.39 U	0.38 U	0.38 U	0.38 U	0.39 U	0.38 U	0.38 U
Pesticides										
4,4'-DDD	µg/L	0.048 J	0.048 U	0.048 UJ	0.048 UJ	0.048 UJ	0.048 U	0.048 UJ	0.048 UJ	0.048 U
4,4'-DDE	µg/L	0.047 U	0.048 U	0.048 UJ	0.048 UJ	0.048 UJ	0.048 U	0.048 UJ	0.048 UJ	0.048 U
4,4'-DDT	µg/L	0.047 U	0.048 U	0.048 UJ	0.048 UJ	0.048 UJ	0.048 U	0.048 UJ	0.048 UJ	0.048 U
Aldrin	µg/L	0.063 J	0.048 U	0.048 UJ	0.048 UJ	0.048 UJ	0.048 U	0.048 UJ	0.048 UJ	0.048 U
alpha-BHC	µg/L	4.0	0.13	0.14 J	0.048 UJ	0.048 UJ	0.048 U	0.048 UJ	0.048 UJ	0.048 U
alpha-Chlordane	µg/L	0.047 U	0.048 U	0.048 UJ	0.048 UJ	0.048 UJ	0.048 U	0.048 UJ	0.048 UJ	0.048 U
beta-BHC	µg/L	4.1	0.048 U	0.12 J	0.048 UJ	0.048 UJ	0.048 U	0.048 UJ	0.048 UJ	0.048 U
delta-BHC	µg/L	0.28	0.048 U	0.12 J	0.050 J	0.048 UJ	0.037 J	0.048 UJ	0.048 UJ	0.048 U
Dieldrin	µg/L	0.047 U	0.048 U	0.048 UJ	0.048 UJ	0.048 UJ	0.048 U	0.048 UJ	0.048 UJ	0.048 U
Endosulfan I	µg/L	0.047 U	0.048 U	0.048 UJ	0.048 UJ	0.048 UJ	0.048 U	0.048 UJ	0.048 UJ	0.048 U
Endosulfan II	µg/L	0.047 U	0.048 U	0.048 UJ	0.048 UJ	0.048 UJ	0.048 U	0.048 UJ	0.048 UJ	0.048 U
Endosulfan sulfate	µg/L	0.047 U	0.048 U	0.048 UJ	0.048 UJ	0.048 UJ	0.048 U	0.048 UJ	0.048 UJ	0.048 U
Endrin	µg/L	0.047 U	0.048 U	0.048 UJ	0.048 UJ	0.048 UJ	0.048 U	0.048 UJ	0.048 UJ	0.048 U
Endrin ketone	µg/L	0.047 U	0.048 U	0.048 UJ	0.048 UJ	0.048 UJ	0.048 U	0.048 UJ	0.048 UJ	0.048 U
gamma-BHC (lindane)	µg/L	0.92	0.048 U	0.12 J	0.048 UJ	0.048 UJ	0.048 U	0.048 UJ	0.048 UJ	0.048 U
gamma-Chlordane	µg/L	0.047 U	0.048 U	0.048 UJ	0.048 UJ	0.048 UJ	0.048 U	0.048 UJ	0.048 UJ	0.048 U
Heptachlor	µg/L	0.047 U	0.048 U	0.048 UJ	0.048 UJ	0.048 UJ	0.048 U	0.048 UJ	0.048 UJ	0.048 U
Heptachlor epoxide	µg/L	0.10 J	0.048 U	0.048 UJ	0.048 UJ	0.048 UJ	0.048 U	0.048 UJ	0.048 UJ	0.048 U
Methoxychlor	µg/L	0.094 U	0.095 U	0.097 UJ	0.095 UJ	0.096 UJ	0.095 U	0.097 UJ	0.095 UJ	0.095 U
Toxaphene	µg/L	3.8 U	3.8 U	3.9 UJ	3.8 UJ	3.8 UJ	3.8 U	3.9 UJ	3.8 UJ	3.8 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
MILLER SPRINGS REMEDIATION MANAGEMENT, INC.
LOVE CANAL
JUNE 2010

		Sample Location:	*10270*	*10272*	*10278*
		Sample ID:	*LC-10270-610*	*LC-10272-610*	*LC10278-610*
		Sample Date:	*6/15/2010*	*6/15/2010*	*6/23/2010*
Parameters	*Units*				
Volatile Organic Compounds					
1,1,1-Trichloroethane	µg/L		5.0 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	µg/L		5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	µg/L		5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	µg/L		5.0 U	5.0 U	5.0 U
1,1-Dichloroethene	µg/L		5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	µg/L		5.0 U	5.0 U	5.0 U
1,2-Dichloropropane	µg/L		5.0 U	5.0 U	5.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L		5.0 U	5.0 U	5.0 U
2-Hexanone	µg/L		5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L		5.0 U	5.0 U	5.0 U
Acetone	µg/L		20 U	20 U	20 U
Benzene	µg/L		5.0 U	5.0 U	5.0 U
Bromodichloromethane	µg/L		5.0 U	5.0 U	5.0 U
Bromoform	µg/L		5.0 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	µg/L		5.0 U	5.0 U	5.0 U
Carbon disulfide	µg/L		5.0 U	5.0 U	14 U
Carbon tetrachloride	µg/L		5.0 U	5.0 U	5.0 U
Chlorobenzene	µg/L		5.0 U	5.0 U	5.0 U
Chloroethane	µg/L		5.0 U	5.0 U	5.0 U
Chloroform (Trichloromethane)	µg/L		5.0 U	5.0 U	5.0 U
Chloromethane (Methyl chloride)	µg/L		5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	µg/L		5.0 U	5.0 U	5.0 U
cis-1,3-Dichloropropene	µg/L		5.0 U	5.0 U	5.0 U
Dibromochloromethane	µg/L		5.0 U	5.0 U	5.0 U
Ethylbenzene	µg/L		5.0 U	5.0 U	5.0 U
Methylene chloride	µg/L		5.0 U	5.0 U	5.0 U
Styrene	µg/L		5.0 U	5.0 U	5.0 U
Tetrachloroethene	µg/L		5.0 U	5.0 U	5.0 U
Toluene	µg/L		5.0 U	5.0 U	5.0 U
trans-1,2-Dichloroethene	µg/L		5.0 U	5.0 U	5.0 U
trans-1,3-Dichloropropene	µg/L		5.0 U	5.0 U	5.0 U
Trichloroethene	µg/L		5.0 U	5.0 U	5.0 U
Vinyl acetate	µg/L		5.0 U	5.0 U	5.0 U
Vinyl chloride	µg/L		5.0 U	5.0 U	5.0 U
Xylene (total)	µg/L		15 U	15 U	15 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
MILLER SPRINGS REMEDIATION MANAGEMENT, INC.
LOVE CANAL
JUNE 2010

	Sample Location:	*10270*	*10272*	*10278*
	Sample ID:	*LC-10270-610*	*LC-10272-610*	*LC10278-610*
	Sample Date:	*6/15/2010*	*6/15/2010*	*6/23/2010*
Parameters	*Units*			
Semi-volatile Organic Compounds				
1,2,4-Trichlorobenzene	µg/L	9.4 U	9.4 U	9.4 U
1,2-Dichlorobenzene	µg/L	9.4 U	9.4 U	9.4 U
1,3-Dichlorobenzene	µg/L	9.4 U	9.4 U	9.4 U
1,4-Dichlorobenzene	µg/L	9.4 U	9.4 U	9.4 U
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	µg/L	1.9 U	1.9 U	1.9 U
2,4,5-Trichlorophenol	µg/L	9.4 U	9.4 U	9.4 U
2,4,6-Trichlorophenol	µg/L	9.4 U	9.4 U	9.4 U
2,4-Dichlorophenol	µg/L	1.9 U	1.9 U	1.9 U
2,4-Dimethylphenol	µg/L	9.4 U	9.4 U	9.4 U
2,4-Dinitrophenol	µg/L	47 U	47 U	47 U
2,4-Dinitrotoluene	µg/L	9.4 U	9.4 U	9.4 U
2,6-Dinitrotoluene	µg/L	9.4 U	9.4 U	9.4 U
2-Chloronaphthalene	µg/L	1.9 U	1.9 U	1.9 U
2-Chlorophenol	µg/L	9.4 U	9.4 U	9.4 U
2-Methylnaphthalene	µg/L	1.9 U	1.9 U	1.9 U
2-Methylphenol	µg/L	9.4 U	9.4 U	9.4 U
2-Nitroaniline	µg/L	47 U	47 U	47 U
2-Nitrophenol	µg/L	9.4 U	9.4 U	9.4 U
3,3'-Dichlorobenzidine	µg/L	9.4 U	9.4 U	9.4 U
3-Nitroaniline	µg/L	47 U	47 U	47 U
4,6-Dinitro-2-methylphenol	µg/L	47 U	47 U	47 U
4-Bromophenyl phenyl ether	µg/L	9.4 U	9.4 U	9.4 U
4-Chloro-3-methylphenol	µg/L	9.4 U	9.4 U	9.4 U
4-Chloroaniline	µg/L	9.4 U	9.4 U	9.4 U
4-Chlorophenyl phenyl ether	µg/L	9.4 U	9.4 U	9.4 U
4-Methylphenol	µg/L	9.4 U	9.4 U	9.4 U
4-Nitroaniline	µg/L	47 U	47 U	47 U
4-Nitrophenol	µg/L	47 U	47 U	47 U
Acenaphthene	µg/L	1.9 U	1.9 U	1.9 U
Acenaphthylene	µg/L	1.9 U	1.9 U	1.9 U
Anthracene	µg/L	1.9 U	1.9 U	1.9 U
Benzo(a)anthracene	µg/L	1.9 U	1.9 U	1.9 U
Benzo(a)pyrene	µg/L	1.9 U	1.9 U	1.9 U
Benzo(b)fluoranthene	µg/L	1.9 U	1.9 U	1.9 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
MILLER SPRINGS REMEDIATION MANAGEMENT, INC.
LOVE CANAL
JUNE 2010

	Sample Location:	*10270*	*10272*	*10278*
	Sample ID:	*LC-10270-610*	*LC-10272-610*	*LC10278-610*
	Sample Date:	*6/15/2010*	*6/15/2010*	*6/23/2010*
Parameters	*Units*			
Semi-volatile Organic Compounds (Cont'd.)				
Benzo(g,h,i)perylene	µg/L	1.9 U	1.9 U	1.9 U
Benzo(k)fluoranthene	µg/L	1.9 U	1.9 U	1.9 U
Benzoic acid	µg/L	47 UJ	47 UJ	47 U
Benzyl alcohol	µg/L	9.4 U	9.4 U	9.4 U
bis(2-Chloroethoxy)methane	µg/L	9.4 U	9.4 U	9.4 U
bis(2-Chloroethyl)ether	µg/L	1.9 U	1.9 U	1.9 U
bis(2-Ethylhexyl)phthalate (DEHP)	µg/L	19 U	19 U	19 U
Butyl benzylphthalate (BBP)	µg/L	9.4 U	9.4 U	9.4 U
Chrysene	µg/L	1.9 U	1.9 U	1.9 U
Dibenz(a,h)anthracene	µg/L	1.9 U	1.9 U	1.9 U
Dibenzofuran	µg/L	9.4 U	9.4 U	9.4 U
Diethyl phthalate	µg/L	9.4 U	9.4 U	9.4 U
Dimethyl phthalate	µg/L	9.4 U	9.4 U	9.4 U
Di-n-butylphthalate (DBP)	µg/L	9.4 U	9.4 U	9.4 U
Di-n-octyl phthalate (DnOP)	µg/L	9.4 U	9.4 U	9.4 U
Fluoranthene	µg/L	1.9 U	1.9 U	1.9 U
Fluorene	µg/L	1.9 U	1.9 U	1.9 U
Hexachlorobenzene	µg/L	1.9 U	1.9 U	1.9 U
Hexachlorobutadiene	µg/L	1.9 U	1.9 U	1.9 U
Hexachlorocyclopentadiene	µg/L	9.4 UJ	9.4 UJ	9.4 U
Hexachloroethane	µg/L	9.4 U	9.4 U	9.4 U
Indeno(1,2,3-cd)pyrene	µg/L	1.9 U	1.9 U	1.9 U
Isophorone	µg/L	9.4 U	9.4 U	9.4 U
Naphthalene	µg/L	1.9 U	1.9 U	1.9 U
Nitrobenzene	µg/L	19 U	19 U	19 U
N-Nitrosodi-n-propylamine	µg/L	1.9 U	1.9 U	1.9 U
N-Nitrosodiphenylamine	µg/L	9.4 U	9.4 U	9.4 U
Pentachlorophenol	µg/L	9.4 U	9.4 U	9.4 U
Phenanthrene	µg/L	1.9 U	1.9 U	1.9 U
Phenol	µg/L	1.9 U	1.9 U	1.9 U
Pyrene	µg/L	1.9 U	1.9 U	1.9 U
Polychlorinated Biphenyls				
Aroclor-1016 (PCB-1016)	µg/L	0.38 U	0.38 U	0.38 U
Aroclor-1221 (PCB-1221)	µg/L	0.38 U	0.38 U	0.38 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
MILLER SPRINGS REMEDIATION MANAGEMENT, INC.
LOVE CANAL
JUNE 2010

	Sample Location:	*10270*	*10272*	*10278*
	Sample ID:	*LC-10270-610*	*LC-10272-610*	*LC10278-610*
	Sample Date:	*6/15/2010*	*6/15/2010*	*6/23/2010*
Parameters	*Units*			
Polychlorinated Biphenyls (Cont'd.)				
Aroclor-1232 (PCB-1232)	µg/L	0.38 U	0.38 U	0.38 U
Aroclor-1242 (PCB-1242)	µg/L	0.38 U	0.38 U	0.38 U
Aroclor-1248 (PCB-1248)	µg/L	0.38 U	0.38 U	0.38 U
Aroclor-1254 (PCB-1254)	µg/L	0.38 U	0.38 U	0.38 U
Aroclor-1260 (PCB-1260)	µg/L	0.38 U	0.38 U	0.38 U
Pesticides				
4,4'-DDD	µg/L	0.048 U	0.048 U	0.048 UJ
4,4'-DDE	µg/L	0.048 U	0.048 U	0.048 UJ
4,4'-DDT	µg/L	0.048 U	0.048 U	0.048 UJ
Aldrin	µg/L	0.048 U	0.048 U	0.048 UJ
alpha-BHC	µg/L	0.048 U	0.048 U	0.048 UJ
alpha-Chlordane	µg/L	0.048 U	0.048 U	0.048 UJ
beta-BHC	µg/L	0.048 U	0.048 U	0.048 UJ
delta-BHC	µg/L	0.048 U	0.048 U	0.048 UJ
Dieldrin	µg/L	0.048 U	0.048 U	0.048 UJ
Endosulfan I	µg/L	0.048 U	0.048 U	0.048 UJ
Endosulfan II	µg/L	0.048 U	0.048 U	0.048 UJ
Endosulfan sulfate	µg/L	0.048 U	0.048 U	0.048 UJ
Endrin	µg/L	0.048 U	0.048 U	0.048 UJ
Endrin ketone	µg/L	0.048 U	0.048 U	0.048 UJ
gamma-BHC (lindane)	µg/L	0.048 U	0.048 U	0.048 UJ
gamma-Chlordane	µg/L	0.048 U	0.048 U	0.048 UJ
Heptachlor	µg/L	0.048 U	0.048 U	0.048 UJ
Heptachlor epoxide	µg/L	0.048 U	0.048 U	0.048 UJ
Methoxychlor	µg/L	0.095 U	0.095 U	0.096 UJ
Toxaphene	µg/L	3.8 U	3.8 U	3.8 UJ

Notes:

J - Estimated concentration.
U - Not present at or above the associated value.
UJ - Estimated reporting limit.

TABLE 3

QUALIFIED SAMPLE RESULTS DUE TO OUTLYING CONTINUING CALIBRATION RESULTS
LONG-TERM MONITORING PROGRAM
MILLER SPRINGS REMEDIATION MANAGEMENT, INC.
LOVE CANAL
JUNE 2010

Parameter	*Calibration Date*	*Compound*	*%D*	*Associated Sample ID*	*Qualified Sample Results*	*Units*
SVOCs	06/30/10	Hexachlorocyclopentadiene	29	LC6209-610	9.6 UJ	µg/L
				LC8225-610	9.6 UJ	µg/L
				LC9113-610	9.4 UJ	µg/L
SVOCs	06/23/10	Benzoic Acid	26	LC-10205-610	48 UJ	µg/L
				LC-10210B-610	48 UJ	µg/L
				LC-10210C-610	47 UJ	µg/L
				LC-10215-610	48 UJ	µg/L
				LC-10225C-610	48 UJ	µg/L
				LC-10270-610	47 UJ	µg/L
				LC-10272-610	47 UJ	µg/L
				LC-5221-610	47 UJ	µg/L
				LC-7115-610	20 J	µg/L
				LC-7125-610	47 UJ	µg/L
				LC-7130-610	50 UJ	µg/L
				LC-7132-610	50 UJ	µg/L
SVOCs	06/23/10	Hexachlorocyclopentadiene	33	LC-10135-610	240 UJ	µg/L
				LC-10205-610	9.7 UJ	µg/L
				LC-10210B-610	9.5 UJ	µg/L
				LC-10210C-610	9.4 UJ	µg/L
				LC-10215-610	9.5 UJ	µg/L
				LC-10225C-610	9.5 UJ	µg/L
				LC-10270-610	9.4 UJ	µg/L
				LC-10272-610	9.4 UJ	µg/L
				LC-5221-610	9.4 UJ	µg/L
				LC-7115-610	9.4 UJ	µg/L
				LC-7125-610	9.4 UJ	µg/L

TABLE 3

QUALIFIED SAMPLE RESULTS DUE TO OUTLYING CONTINUING CALIBRATION RESULTS
LONG-TERM MONITORING PROGRAM
MILLER SPRINGS REMEDIATION MANAGEMENT, INC.
LOVE CANAL
JUNE 2010

Parameter	*Calibration Date*	*Compound*	*%D*	*Associated Sample ID*	*Qualified Sample Results*	*Units*
SVOCs	06/23/10	Hexachlorocyclopentadiene	33	LC-7130-610	10 UJ	µg/L
				LC-7132-610	9.9 UJ	µg/L
SVOCs	06/24/10	Hexachlorocyclopentadiene	39	LC-10135-610	240 UJ	µg/L

Notes:

SVOCs	Semi-Volatile Organic Compounds.
%D	Percent Difference.
J	Estimated.
UJ	Not detected, estimated reporting limit.

TABLE 4

QUALIFIED SAMPLE DATA DUE TO OUTLYING SURROGATE RECOVERIES
LONG-TERM MONITORING PROGRAM
MILLER SPRINGS REMEDIATION MANAGEMENT, INC.
LOVE CANAL
JUNE 2010

Parameter	*Surrogate*	*Surrogate Recovery (percent)*	*Control Limits (percent)*	*Sample ID*	*Analytes*	*Qualified Sample Results*	*Units*
Pesticides	DCB	17	45-130	LC-10210B-610	All pesticide analytes	J	µg/L
	DCB	32	45-130	LC-10210C-610	All pesticide analytes	J	µg/L
	DCB	43	45-130	LC-8210-610	All pesticide analytes	J	µg/L
	DCB	43	45-130	LC10210A-610	All pesticide analytes	J	µg/L
	TCMX	44	45-130	LC10225A-610	All pesticide analytes	J	µg/L
	DCB	44	45-130	LC10225B-610	All pesticide analytes	J	µg/L
	DCB	37	45-130	LC10278-610	All pesticide analytes	J	µg/L
	DCB	42	45-130	LC3257-610	All pesticide analytes	J	µg/L
	DCB	43	45-130	LC6209-610	All pesticide analytes	J	µg/L

Notes:

DCB Decachlorobiphenyl.
J Estimated.
TCMX Tetrachloro-m-xylene.

TABLE 5

QUALIFIED SAMPLE RESULTS DUE TO OUTLYING MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERIES
LONG-TERM MONITORING PROGRAM
MILLER SPRINGS REMEDIATION MANAGEMENT, INC.
LOVE CANAL
JUNE 2010

Parameter	*Associated Sample ID*	*Analyte*	*MS Recovery (percent)*	*MSD Recovery (percent)*	*RPD*	*Control Limits*		*Qualified Sample Result*	*Units*
						Recovery (percent)	*RPD (percent)*		
SVOCs	LC-1020B-610	1,4-Dichlorobenzene	28	27	4.4	32 - 94	33	9.5 UJ	µg/L

Notes:

SVOCs Semi-Volatile Organic Compounds.
MS Matrix Spike.
MSD Matrix Spike Duplicate.
RPD Relative Percent Difference.
UJ Not detected, estimated reporting limit.

TABLE 6

QUALIFIED SAMPLE RESULTS DUE TO ANALYTE CONCENTRATIONS IN THE TRIP BLANK
LONG-TERM MONITORING PROGRAM
MILLER SPRINGS REMEDIATION MANAGEMENT, INC.
LOVE CANAL
JUNE 2010

Parameter	*Blank Date*	*Analyte*	*Blank Result*	*Associated Sample ID*	*Qualified Sample Result*	*Units*
VOCs	06/23/10	Carbon disulfide	34	LC10210A-610	5.0 U	µg/L
				LC10225A-610	5.0 U	µg/L
				LC10278-610	14 U	µg/L
				LC3257-610	9.3 U	µg/L
				LC6209-610	11 U	µg/L
				LC8225-610	8.8 U	µg/L
				LC9113-610	8.3 U	µg/L

Notes:

VOCs Volatile Organic Compounds.
U Not detected.

TABLE 7

QUALIFIED SAMPLE RESULTS DUE TO DIFFERENCES IN DUAL COLUMN RESULTS
LONG-TERM MONITORING PROGRAM
MILLER SPRINGS REMEDIATION MANAGEMENT, INC.
LOVE CANAL
JUNE 2010

Parameter	*Compound*	*Associated Sample ID*	*%D*	*Qualified Sample Results*	*Units*
Pesticides	Heptachlor epoxide	LC-10135-610	> 40 %	0.10 J	µg/L
	Aldrin	LC-10135-610	> 40 %	0.063 J	µg/L
	4,4'-DDD	LC-10135-610	> 40 %	0.048 J	µg/L
	delta-BHC	LC-10210B-610	> 40 %	0.050 J	µg/L
	delta-BHC	LC-10215-610	> 40 %	0.037 J *	µg/L
	delta-BHC	LC-7115-610	> 40 %	0.020 J *	µg/L
	gamma-BHC (lindane)	LC10210A-610	> 40 %	0.12 J	µg/L

Notes:

* Previously qualified as estimated by the laboratory.
%D Percent difference.
J Estimated.

ATTACHMENT A

TENTATIVE IDENTIFIED COMPOUNDS

ATTACHMENT A

TENTATIVELY IDENTIFIED COMPOUNDS SUMMARY
LONG-TERM MONITORING PROGRAM
MILLER SPRINGS REMEDIATION MANAGEMENT, INC.
LOVE CANAL
NIAGARA FALLS, NEW YORK
JUNE 2009

	Volatiles		*Semi-Volatiles*	
Sample ID	***Compound***	***Estimated Concentration (µg/L)***	***Compound***	***Estimated Concentration (µg/L)***
LC-10210A-610	Dimethyl sulfide	750J	Disulfide, dimethyl	6.1J
	Ethane, (methylthio) -	71J	Caprolactam	26J
	Propane, 1-(methylthio) -	1.2J	Unknown	19J
	Disulfide, dimethyl	15J	-	-
LC10225A-610	Methanethiol	0.64J	Caprolactam	26J
	Ethane, (methylthio) -	94J	Unknown	34J
	Cyclohexane, methyl -	1.2J	-	-
	Propane, 1-(methylthio) -	1.6J	-	-
LC10225B-610	Methanethiol	46J	Caprolactam	26J
	Dimethyl sulfide	16J	Unknown	46J
LC3257-610	Unknown	8.3J	Caprolactam	200J
LC6209-610	Sulfur dioxide	49J	Caprolactam	0.49J
	-	-	Unknown	14J
LC8225-610	Unknown	10J	Caprolactam	13J
LC10278-610	-	-	Caprolactam	6.0J
	-	-	Unknown	7.1J
LC9113-610	-	-	Caprolactam	160J

ATTACHMENT A

TENTATIVELY IDENTIFIED COMPOUNDS SUMMARY
LONG-TERM MONITORING PROGRAM
MILLER SPRINGS REMEDIATION MANAGEMENT, INC.
LOVE CANAL
NIAGARA FALLS, NEW YORK
JUNE 2009

	Volatiles		*Semi-Volatiles*	
Sample ID	***Compound***	***Estimated Concentration (µg/L)***	***Compound***	***Estimated Concentration (µg/L)***
LC-10135-610	Furan, tetrahydro-2-methyl-	110J	1,4-Dioxane	210J
	Benzene, 1-chloro-2-methyl-	1600J	Unknown Organic Acid	8210J
	Benzene, 1-chloro-4-methyl-	970J	Unknown Alcohol	1740J
	7-Oxabicyclo[2.2.1]heptane, 1-	6.6J	Unknown Substituted Benzene	11530J
	Benzene, 1,2-dichloro-	13J	Unknown Substituted Phenol	550J
	L-Fenchone	5.6J	Unknown PAH	840J
	Camphor	6.6J	Unknown	850J
	Acenaphthene	7.0J	-	-
	Unknown substituted benzene	142J	-	-
	Unknown	80J	-	-
LC-10225C-610	Unknown substituted benzene	9.8J	Caprolactam	1.0J
LC-8215-610	1,3-Butadiene	15J	Caprolactam	51J
	1-Propene, 3-chloro-	9.4J	Unknown	130J
	Hexane	17J	-	-
	1,3-Butadiene, 2-chloro-	8.8J	-	-
	Butane, 2,2,3,3-tetramethyl-	27J	-	-
	Decane	5.3J	-	-
	Undecane	5.6J	-	-
LC-10205-610	-	-	Caprolactam	29J
	-	-	Unknown PAH	4.7J
	-	-	Unknown	29J

ATTACHMENT A

TENTATIVELY IDENTIFIED COMPOUNDS SUMMARY
LONG-TERM MONITORING PROGRAM
MILLER SPRINGS REMEDIATION MANAGEMENT, INC.
LOVE CANAL
NIAGARA FALLS, NEW YORK
JUNE 2009

	Volatiles		*Semi-Volatiles*	
Sample ID	*Compound*	*Estimated Concentration (µg/L)*	*Compound*	*Estimated Concentration (µg/L)*
LC-10210B-610	-	-	Caprolactam	81J
	-	-	Unknown	13J
LC-10210C-610	-	-	Caprolactam	150J
	-	-	Unknown	13J
LC-10215-610	-	-	Caprolactam	46J
	-	-	Unknown	10J
LC-10270-610	-	-	Caprolactam	12J
LC-10272-610	-	-	Caprolactam	34J
	-	-	Unknown	89J
LC-5221-610	-	-	Caprolactam	4.6J
LC-7115-610	-	-	Caprolactam	90J
	-	-	Unknown Alcohol	18J
	-	-	Unknown Biphenyl	110J
	-	-	Unknown Amide	4.2J
	-	-	Unknown	3.8J
LC-7125-610	-	-	Caprolactam	100J
LC-7130-610	-	-	Caprolactam	240J

ATTACHMENT A

TENTATIVELY IDENTIFIED COMPOUNDS SUMMARY
LONG-TERM MONITORING PROGRAM
MILLER SPRINGS REMEDIATION MANAGEMENT, INC.
LOVE CANAL
NIAGARA FALLS, NEW YORK
JUNE 2009

	Volatiles		*Semi-Volatiles*	
Sample ID	*Compound*	*Estimated Concentration (µg/L)*	*Compound*	*Estimated Concentration (µg/L)*
LC-7132-610	-	-	Caprolactam	0.3J
			Unknown Straight Chained Alkane	417J
LC-7130-610	-	-	Caprolactam	29J
	-	-	Unknown	130J
LC-8106-610	-	-	Caprolactam	72J
	-	-	Unknown	110J
LC-8115-610	-	-	Caprolactam	30J
	-	-	Unknown	130J
LC-8125-610	-	-	Caprolactam	79J
	-	-	Unknown	150J
LC-8205-610	-	-	Caprolactam	29J
	-	-	Unknown	140J
LC-8210-610	-	-	Caprolactam	2.5J
	-	-	Unknown	140J
LC-9105-610	-	-	Caprolactam	42J
	-	-	Unknown	110J
LC-9118-610	-	-	Caprolactam	47J
	-	-	Unknown	120J

ATTACHMENT A

TENTATIVELY IDENTIFIED COMPOUNDS SUMMARY
LONG-TERM MONITORING PROGRAM
MILLER SPRINGS REMEDIATION MANAGEMENT, INC.
LOVE CANAL
NIAGARA FALLS, NEW YORK
JUNE 2009

	Volatiles		*Semi-Volatiles*	
Sample ID	***Compound***	***Estimated Concentration (µg/L)***	***Compound***	***Estimated Concentration (µg/L)***
LC-9205-610	-	-	Caprolactam	18J
	-	-	Unknown	120J
LC-9210-610	-	-	Caprolactam	120J
	-	-	Unknown	120J

ATTACHMENT B

CHAIN OF CUSTODY DOCUMENT(S)

QUOTE #64814

CHAIN-OF-CUSTODY/Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Client Information	
Glenn Springs Inc.	Report To: Susan Scrocchi
Love Canal	Copy To:
805 97th Street	
Niagara Falls, New York 14304	Invoice To:
Phone: 716/283-0111	PO:
Fax: 716/283-2856	Project Name: Love Canal Annual
Email: darrell_crockett@oxy.com	Project Number: 9954

Lab Information
Laboratory: TEST AMERICA PITTSBUGH
Laboratory Location: 301 ALPHA DRIVE PITTSBURGH, PA 15238
Laboratory Contact: DAVID DUNLAP
Requested Due Date: TAT: 10
QA/QC Requirements:

Event Information
ID#: LCANNUAL2010-1-1
SSOW Ref#: 292-402-999-3100
Sampler Name: Shawn D Maudner

Valid Matrix Code
WG Groundwater
WB Borehole Water
WS Surface Water
SO Soil
SE Sediment

Sample Condition	
Temp in C	
Received on Ice	Y/N
Sealed Cooler	Y/N
Samples Intact	Y/N

Sample Identification	Matrix Code	Date Collected	Time Collected	Pest/PCBs?(None)	SVOC?(none)	VOA?(HCl)	Remarks
LC-10135-610	WG	06/16/2010	11:00	2	2	3	
LC-10205-610	WG	06/16/2010	10:40	2	2	3	
LC-10210B-610	WG	06/15/2010	13:45	8	6	9	MS/MSD
LC-10210C-610	WG	06/15/2010	10:15	2	2	3	
LC-10215-610	WG	06/15/2010	09:20	2	2	3	
LC-10225C-610	WG	06/15/2010	15:20	2	2	3	
LC-10270-610	WG	06/15/2010	16:50	2	2	3	
LC-10272-610	WG	06/15/2010	10:50	2	2	3	
LC-5221-610	WG	06/16/2010	12:25	2	2	3	
LC-7115-610	WG	06/15/2010	14:45	2	2	3	
LC-7125-610	WG	06/16/2010	10:00	2	2	3	
LC-7130-610	WG	06/16/2010	12:30	2	2	3	
LC-7132-610	WG	06/16/2010	13:00	2	2	3	
LC-7205-610	WG	06/16/2010	13:45	8	6	9	MS/MSD
LC-8106-610	WG	06/16/2010	13:45	2	2	3	
LC-8115-610	WG	06/15/2010	09:45	2	2	3	

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY:	DATE	TIME	RECIEVED BY:	DATE	TIME
FedEx	10	Shawn D Maudner	6/16/10	1530		6/17/10	1010
AIRBILL#:							

CHAIN-OF-CUSTODY/Analytical Request Document

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Client Information	
Glenn Springs Inc.	Report To: Susan Scrocchi
Love Canal	Copy To:
805 97th Street	
Niagara Falls, New York 14304	Invoice To:
Phone: 716/283-0111	PO:
Fax: 716/283-2856	Project Name: Love Canal Annual
Email: darrell_crockett@oxy.com	Project Number: 9954

Lab Information	
Laboratory: TEST AMERICA PITTSBUGH	
Laboratory Location: 301 ALPHA DRIVE PITTSBURGH, PA 15238	
Laboratory Contact: DAVID DUNLAP	
Requested Due Date:	TAT: 10
QA/QC Requirements:	

Event Information	
ID#: LC-ANNUAL-2010-1-2	
SSOW Ref#: 292-402-999-3100	
Sampler Name: Shawn Gardner	

Valid Matrix Code
WG Groundwater
WB Borehole Water
WS Surface Water
SO Soil
SE Sediment

Sample Identification	Matrix Code	Date Collected	Time Collected	Pest/PCBs?(None)	SVOC?(none)	VOA?(HCl)	Remarks
~~LC-8125-610~~ LC-8215-610 per Susan Scrocchi 6/21/10	WG	06/16/2010	10:15	2	2	3	
LC-8125-610	WG	06/15/2010	10:30	2	2	3	
LC-8205-610	WG	06/15/2010	10:45	2	2	3	
LC-8210-610	WG	06/15/2010	10:15	2	2	3	
LC-9105-610	WG	06/15/2010	12:00	2	2	3	
LC-9118-610	WG	06/15/2010	13:45	2	2	3	
LC-9205-610	WG	06/16/2010	13:00	2	2	3	
LC-9210-610	WG	06/16/2010	11:20	2	2	3	
LCTRIP-061510	WG Q	06/15/2010	00:00	0	0	3	
RINSE1-610	WG Q	06/15/2010	17:15	2	2	3	
Total Bottles				62	58	90	Grand Total:210

Sample Condition

Temp in C	
Received on ice	Y/N
Sealed Cooler	Y/N
Samples Intact	Y/N

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY:	DATE	TIME	RECIEVED BY:	DATE	TIME
FedEx	10	Shawn Gardner	6/16/10	1530		6/17/10	1010
AIRBILL#:							

C0F250548

EVENT COMPLETE

CHAIN-OF-CUSTODY/Analytical Request Document
The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Client Information	
Glenn Springs Inc.	Report To: Susan Scrocchi
Love Canal	Copy To:
805 97th Street	
Niagara Falls, New York 14304	Invoice To:
Phone: 716/283-0111	PO:
Fax: 716/283-2856	Project Name: Love Canal Annual
Email: darrell_crockett@oxy.com	Project Number: 9954

Lab Information	
Laboratory: TEST AMERICA PITTSBUGH	
Laboratory Location: 301 ALPHA DRIVE PITTSBURGH, PA 15238	
Laboratory Contact: DAVID DUNLAP	
Requested Due Date:	TAT: 10
QA/QC Requirements:	

Event Information
[redacted]
SSOW Ref#: 292-402-999-3100
Sampler Name: David Tyran

Valid Matrix Code
WG Groundwater
WB Borehole Water
WS Surface Water
SO Soil
SE Sediment

Sample Identification	Matrix Code	Date Collected	Time Collected	PestPCBs?(None)	SVOC?(none)	VOA?(HCl)	Remarks
LC10210A-610	WG	06/24/2010	08:00	2	2	3	
LC10225A-610	WG	06/24/2010	08:30	2	2	3	
LC10225B-610	WG	06/24/2010	09:00	2	2	3	
LC10278-610	WG	06/23/2010	13:00	2	2	3	
LC3257-610	WG	06/23/2010	12:00	2	2	3	
LC6209-610	WG	06/23/2010	13:55	2	2	3	
LC9113-610	WG	06/23/2010	14:20	2	2	3	
RINSE2-610	WG Q	06/23/2010	08:30	2	2	3	
LCTRIP-062310	WG Q	06/23/2010	00:00	0	0	3	
LC8225-610	WG	06/23/2010	14:00	2	2	3	
Total Bottles				18	18	30	Grand Total:66

Sample Condition

Temp in C	
Received on ice	Y/N
Sealed Cooler	Y/N
Samples Intact	Y/N

Quote # 64814

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY:	DATE	TIME	RECIEVED BY:	DATE	TIME
FedEx	3	David Tyran	6.24.10	1130	Emily C. Dunlap	6/25/10	10:30
AIRBILL#:							

6

(1 - 142)

APPENDIX F

TEST AND MAINTENANCE OF BACKFLOW PREVENTION DEVICE REPORTS

Glenn Springs Holdings, Inc.
A subsidiary of Occidental Petroleum

Ralph Schupp
Operations Coordinator
Direct Dial (484) 941-3000

4825 Hyde Park Boulevard
Niagara Falls, NY 14305

March 2, 2010

Reference No. 009954

Mr. Jim Corulli
Cross Connection Enforcement
Niagara Falls Water Board
5815 Buffalo Avenue
Niagara Falls, NY 14304

Mr. Paul R. Dicky
Niagara County Health Department
5467 Upper Mountain Road
Suite 100
Lockport, NY 14094-1894

Dear Messrs. Corulli and Dicky:

Re: 2010 Annual Backflow Protection Device Test
Love Canal Landfill Facility

On behalf of Occidental Chemical Corporation, Conestoga-Rovers & Associates (CRA) is submitting the DOH 1013 forms, which contain the results of the annual inspection of the backflow prevention devices at the Love Canal Landfill Facility. The inspection was conducted on February 5, 2010 by CamTech Plumbing and Mechanical.

All five backflow prevention devices at the Love Canal Landfill Facility were found to be in satisfactory condition.

If you have any questions or comments, please contact me at 484-941-300 or by email at ralph_schupp@oxy.com.

Very truly yours,

GLENN SPRINGS HOLDINGS, INC.

Ralph Schupp
Operations Coordinator

Clint Babcock
Project Manager

FOR CLINT BABCOCK

RS/JP/adh/2
Encl.

c.c.: Jane Polovich, CRA

PART A Please use a separate form for each device.

For the year 2010
☐ Initial test - *Complete entire form*
☒ Annual test - *Complete Part A only*

Public Water Supply	Account No	County	Block	Lot
CITY OF NIAGARA FALLS		NIAGARA		

Facility Name GLEN SPRINGS REMEDIATION
Address 805 97TH ST. (Street) NIAGARA FALLS (City) 14304 (Zip)
Location of Device MAINTENANCE BDG.

Device Information	Manufacturer	Type	Model	Size (in inches)	Serial Number
	WATTS	☒ RPZ ☐ DCV	909	1"	408420

	Check Valve No. 1	Check Valve No. 2	Differential Pressure Relief Valve	Line Pressure 64 psi
Test before repair	Leaked ☐ Closed tight ☒ Pressure drop across first check valve 7.0 psid	Leaked ☐ Closed tight ☒	Opened at 2.2 psid.	Date 02 05 10 (M D Y)
Describe repairs and materials used				Repaired by Name ____ Lic # ____ Date repaired: ____ (M D Y)
Final test	Closed tight ☐ Pressure drop across first check valve ____ psid	Closed tight ☐	Opened at ____ psid	Date ____ (M D Y)

Water Meter Number	Meter Reading	Type of Service: (check one)
34592315	047336	Domestic • Fire • Other ____

Remarks (Describe deficiencies' bypasses, outlets before the device, connections between the device and point of entry, missing or inadequate airgaps, etc.)

Certification: This device ☒ meets, • ☐ does NOT meet, the requirements of an acceptable containment device at the time of testing
I hereby certify the foregoing data to be correct.

Print Name	Certified Tester No	Signature	Expiration Date
JOHN A. GUCIBA	5808		04/30/11

Property owners (or owners agent) certification that test was performed:

Print Name	Title	Signature	Telephone
x DARRELL CROCKETT	Operator		716 9985805

PART B Certification that installation is in accordance with the approved plans. (To be completed by the design engineer or architect or water supplier.)

I hereby certify that this installation is in accordance with the approved plans.

Name	Title	Date (m d y)	NYS DOH Log #
License Number	Phone ( )		

Representing	Describe minor installation changes
Address	
City / State / Zip	
Signature	

NOTE: Send one completed copy to the designated health department representative and one copy to the water supplier within 30 days of the testing device.
Notify owner and water supplier immediately if device fails test and repairs cannot immediately be made.

DOH-1013(9/91)

PART A Please use a separate form for each device.

For the year 2010
☐ Initial test - *Complete entire form*
☒ Annual test - *Complete Part A only*

Public Water Supply	Account No	County	Block	Lot
CITY OF NIAGARA FALLS		NIAGARA		

Facility Name GLENSPRINGS REMEDIATION
Address 805 97TH ST (Street) NIAGARA FALLS (City) 14304 (Zip)
Location of Device: LOCKER ROOM

Device Information	Manufacturer	Type	Model	Size (in inches)	Serial Number
	WATTS	☒ RPZ ☐ DCV	909	1 1/2"	364807

	Check Valve No. 1	Check Valve No. 2	Differential Pressure Relief Valve	Line Pressure 64 psi
Test before repair	Leaked ☐ Closed tight ☒ Pressure drop across first check valve 6.9 psid	Leaked ☐ Closed tight ☒	Opened at 2.1 psid	Date 02 05 10 (M D Y)
Describe repairs and materials used				Repaired by Name ____ Lic # ____ Date repaired: ____ (M D Y)
Final test	Closed tight ☐ Pressure drop across first check valve ____ psid	Closed tight ☐	Opened at ____ psid	Date ____ (M D Y)

Water Meter Number	Meter Reading	Type of Service: (check one)
31671117	010123	Domestic ☐ Fire ☐ Other ____

Remarks (Describe deficiencies: bypasses, outlets before the device, connections between the device and point of entry, missing or inadequate airgaps, etc.)

Certification: This device ☒ meets, ☐ does NOT meet, the requirements of an acceptable containment device at the time of testing
I hereby certify the foregoing data to be correct.

Print Name	Certified Tester No	Signature	Expiration Date
JOHN A. GOLBA	5808		04/30/11

Property owner's (or owner's agent) certification that test was performed:

Print Name	Title	Signature	Telephone
Darrell Crockett	Operator		716 668 5804

PART B Certification that installation is in accordance with the approved plans. (To be completed by the design engineer or architect or water supplier.)

I hereby certify that this installation is in accordance with the approved plans.

Name	Title	Date (m d y)	NYS DOH Log #
License Number	Phone ( )		
Representing		Describe minor installation changes	
Address			
City / State / Zip			
Signature			

NOTE: Send one completed copy to the designated health department representative and one copy to the water supplier within 30 days of the testing device. Notify owner and water supplier immediately if device fails test and repairs cannot immediately be made.

DOH-1013(8/01)

PART A Please use a separate form for each device.

For the year 2010
☐ Initial test - *Complete entire form*
☒ Annual test - *Complete Part A only*

Public Water Supply	Account No	County	Block	Lot
CITY OF NIAGARA FALLS		NIAGARA		

Facility Name GLENSPRINGS REMEDIATION
Address 8059 97TH ST (Street) NIAGARA FALLS (City) 14304 (Zip)
Location of Device: TREATMENT BDG. (WASH DOWN)

Device Information	Manufacturer	Type	Model	Size (in inches)	Serial Number
	WATTS	☒ RPZ ☐ DCV	009	3/4"	82766

	Check Valve No. 1	Check Valve No. 2	Differential Pressure Relief Valve	Line Pressure 62 psi
Test before repair	Leaked ☐ Closed tight ☒ Pressure drop across first check valve 6.9 psid	Leaked ☐ Closed tight ☒	Opened at 21 psid	Date 02 05 10 (M D Y)
Describe repairs and materials used				Repaired by: Name ____ Lic # ____ Date repaired: ____ (M D Y)
Final test	Closed tight ☐ Pressure drop across first check valve ____ psid	Closed tight ☐	Opened at ____ psid	Date ____ (M D Y)

Water Meter Number	Meter Reading	Type of Service: (check one)
N/A	N/A	[redacted] Other PROCESS

Remarks (Describe deficiencies: bypasses, outlets before the device, connections between the device and point of entry, missing or inadequate airgaps, etc.)

Certification: This device ☒ meets, ☐ does NOT meet, the requirements of an acceptable containment device at the time of testing
I hereby certify the foregoing data to be correct.

Print Name	Certified Tester No.	Signature	Expiration Date
JOHN A. GOLBA	5808	[signature]	04/30/11

Property owner's (or owner's agent) certification that test was performed:

Print Name	Title	Signature	Telephone
x Darrell Crockett	Operator	[signature]	716 998 5804

PART B Certification that installation is in accordance with the approved plans. (To be completed by the design engineer or architect or water supplier.)

I hereby certify that this installation is in accordance with the approved plans.

Name	Title	Date (m d y)	NYS DOH Log #
License Number	Phone ( )		

Representing
Address
City | State | Zip
Signature

Describe minor installation changes

NOTE: Send one completed copy to the designated health department representative and one copy to the water supplier within 30 days of the testing device.
Notify owner and water supplier immediately if device fails test and repairs cannot immediately be made.

DOH-1013(9/91)

PART A Please use a separate form for each device.

For the year 2010
☐ Initial test - *Complete entire form*
☒ Annual test - *Complete Part A only*

Public Water Supply	Account No	County	Block	Lot
CITY OF NIAGARA FALLS		NIAGARA		

Facility Name GLENSPRINGS REMEDIATION
Address 809 97TH ST Street NIAGARA FALLS City 14304 Zip
Location of Device TREATMENT BDG (CARBON BEDS)

Device Information	Manufacturer	Type	Model	Size (in inches)	Serial Number
	WATTS	☒ RPZ ☐ DCV	009	2	

	Check Valve No. 1	Check Valve No. 2	Differential Pressure Relief Valve	Line Pressure 59 psi
Test before repair	Leaked ☐ Closed tight ☒ Pressure drop across first check valve 7.3 psid	Leaked ☐ Closed tight ☒	Opened at 2.1 psid	Date 02 05 10 (M D Y)
Describe repairs and materials used				Repaired by Name ____ Lic # ____ Date repaired: ☐☐ ☐☐ ☐☐ (M D Y)
Final test	Closed tight ☐ Pressure drop across first check valve ____ psid	Closed tight ☐	Opened at ____ psid	Date ☐☐ ☐☐ ☐☐ (M D Y)

Water Meter Number	Meter Reading	Type of Service: (check one)
N/A	N/A	• Domestic • Fire • ☒ Other PROCESS

Remarks (Describe deficiencies: bypasses, outlets before the device, connections between the device and point of entry, missing or inadequate airgaps, etc.)

Certification: This device ☒ meets, • ☐ does NOT meet, the requirements of an acceptable containment device at the time of testing
I hereby certify the foregoing data to be correct.

Print Name	Certified Tester No.	Signature	Expiration Date
JOHN A. GOLBA	5808		04/30/11

Property owner's (or owner's agent) certification that test was performed:

Print Name	Title	Signature	Telephone
Darrell Lowell	Operator		716 998 5804

PART B Certification that installation is in accordance with the approved plans. (To be completed by the design engineer or architect or water supplier.)

I hereby certify that this installation is in accordance with the approved plans.

Name	Title	Date (m d y)	NYS DOH Log #
License Number	Phone ( )		

Representing	Describe minor installation changes
Address	
City / State / Zip	
Signature	

NOTE: Send one completed copy to the designated health department representative and one copy to the water supplier within 30 days of the testing device.
Notify owner and water supplier immediately if device fails test and repairs cannot immediately be made.

DOH-1013(9/91)

PART A Please use a separate form for each device.

For the year 2010
☐ Initial test - *Complete entire form*
☒ Annual test - *Complete Part A only*

Public Water Supply	Account No	County	Block	Lot
CITY OF NIAGARA FALLS		NIAGARA		

Facility Name GLENSPRINGS REMEDIATION
Address 805 97TH ST. (Street) NIAGARA FALLS (City) 14304 (Zip)
Location of Device: TREATMENT BDG (MECH. ROOM)

Device Information	Manufacturer	Type	Model	Size (in inches)	Serial Number
	WATTS	☒ RPZ ☐ PCV	909	3"	136907

	Check Valve No. 1	Check Valve No. 2	Differential Pressure Relief Valve	Line Pressure 64 psi
Test before repair	Leaked ☐ Closed tight ☒ Pressure drop across first check valve 7.1 psid	Leaked ☐ Closed tight ☒	Opened at 2.1 psid	Date 02 05 10 (M D Y)
Describe repairs and materials used				Repaired by Name ____ Lic # ____ Date repaired: ____ (M D Y)
Final test	Closed tight ☐ Pressure drop across first check valve ____ psid	Closed tight ☐	Opened at ____ psid	Date ____ (M D Y)

Water Meter Number	Meter Reading	Type of Service: (check one)
31923329	491210 0158776	Domestic * Fire * Other ____

Remarks (Describe deficiencies: bypasses, outlets before the device, connections between the device and point of entry, missing or inadequate airgaps, etc.)

Certification: This device ☒ meets, * ☐ does NOT meet, the requirements of an acceptable containment device at the time of testing
I hereby certify the foregoing data to be correct.

Print Name	Certified Tester No.	Signature	Expiration Date
JOHN A. GOLBA	5808		04/30/11

Property owners (or owners agent) certification that test was performed:

Print Name	Title	Signature	Telephone
x Darrell Goulett	Operator		716 908 5804

PART B Certification that installation is in accordance with the approved plans. (To be completed by the design engineer or architect or water supplier.)

I hereby certify that this installation is in accordance with the approved plans.

Name	Title	Date (m d y)	NYS DOH Log #
License Number	Phone ( )		

Representing	Describe minor installation changes
Address	
City / State / Zip	
Signature	

NOTE: Send one completed copy to the designated health department representative and one copy to the water supplier within 30 days of the testing device. Notify owner and water supplier immediately if device fails test and repairs cannot immediately be made.

DOH-1013(9/91)