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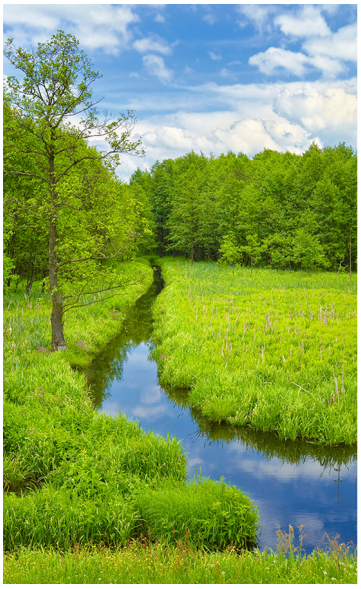

2014 Site Management Periodic Review Report
Love Canal Site

Glenn Springs Holdings, Inc.
Niagara Falls, New York

Prepared for: Glenn Springs Holdings, Inc.

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2055 Niagara Falls Boulevard, Suite 3
Niagara Falls, New York 14304

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Partners in Sustainability

Table of Contents

Page

List of Figures
(Following Text)

List of Tables
(Following Text)

List of Appendices

Section 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 OCC. 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 twentieth annual report prepared by or on behalf of OCC and covers operation, maintenance, and monitoring activities for 2014. The completed 2014 NYSDEC Institutional and Engineering Controls Certification Form is included as Appendix A.

Section 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 Sector of the Canal. The barrier drain was later extended to completely encompass the entire area of disposed waste within the Central and North Sectors of the Canal. The barrier drain, designed to intercept the shallow overburden lateral groundwater flow, consists of a trench approximately 4 feet wide that varies in depth from approximately 12 to 25 feet deep depending on location at the Site. Installed within the trench is a perforated vitrified clay tile pipe. The pipe is 6-inch diameter in the Central and North Sectors and both 6-inch and 8-inch diameter in the South Sector. The pipe is centered in a minimum of 2 feet of uniformly sized gravel, which is overlain with coarse sand extending to the existing ground surface present at the time of construction. Thirty-two lateral trenches, approximately 12 to 19 feet deep, filled with a minimum of 2 feet of gravel and overlain with sand similar to the barrier drain, were dug perpendicular to the barrier drain in the direction of the Canal. The majority of these laterals extend into the disposed waste. The barrier drain is graded from two highpoints, one in the southeast corner and the other in the northeast corner, toward a series of manholes which drain to four pump chambers (PC-1A/PC-2A in the North/Central Sector and PC-1/PC-2 in the South Sector) where the leachate is collected. The leachate is pumped from the pump chambers to two other pump chambers connected to underground holding tanks (PC-3A in the North/Central Sector and PC-3 in the South Sector) where it is temporarily stored. The leachate is then pumped to the on-Site Love Canal Treatment Facility (LCTF) where it is treated and discharged to the Niagara Falls Water Board (NFWB) sanitary sewer system under the Site's Significant Industrial User (SIU) Permit #44. The locations of the remedial system components are illustrated on the Site Plan presented as Figure 2.1.

The installation of a 22-acre clay cap over the entire former Canal area was completed in October 1980 following completion of the barrier drain collection system. The purpose of the cap is to reduce infiltration of precipitation. The thickness of the clay cap is a minimum of 3 feet. In 1985, a second (40-acre) cap was installed over the initial clay cap area. The newer cap consists of a 40-mil high density polyethylene (HDPE) liner covered by 18 inches of clean soil and vegetation.

In March 1999, the adjacent 102nd Street Landfill Site leachate collection system was connected to the Love Canal Site to facilitate the transfer of leachate from the 102nd Street landfill into Love Canal's pump chamber PC-3 for treatment at the LCTF.

2.1 Operations of the Barrier Drain and Collection System

2.1.1 Barrier Drain System

The barrier drain system continues to function as designed, with no major maintenance required during 2014. Semiannual inspections of the barrier drain components, including manholes and pump chambers, are required by the Site's NYSDEC-approved Operation and Maintenance (O&M) Manual (Miller Springs Remediation Management/GSH, revised May 2014, currently awaiting NYSDEC approval). Inspection of the barrier drain manholes were conducted on June 13 and September 9, 2014, and inspections of the barrier drain pump chambers were carried out on June 13 and December 10, 2014. The visual inspections showed that the flumes of the manholes were flowing freely and required no further maintenance. The visual inspections were documented on the 2014 Semiannual Inspection Forms, which are presented in Appendix B. The manhole locations are presented on Figure 2.2.

2.1.2 Pumping System

The barrier drain system consists of two sectors, the Northern/Central and the Southern. Leachate from the Northern/Central Sector drains to pump chambers PC-1A and PC-2A where it is pumped to pump chamber PC-3A, while leachate from the Southern Sector is pumped from pump chambers PC-1 and PC-2 to the underground storage tank connected to pump chamber PC-3. From pump chambers PC-3 and PC-3A, the leachate is then transferred through a below ground metering chamber outside the LCTF on the southeast corner of the building and then into the LCTF for treatment. The pumping system was operational and functioned as designed throughout 2014.

2.1.3 102nd Street Landfill Forcemain

The leachate forcemain construction was completed in March 1999 and is used 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 pump chamber PC-3 at the Site. During 2014, the leachate collection system at 102nd Street pumped 233,130 gallons of leachate to the LCTF.

Section 3.0 Groundwater Treatment and Monitoring

3.1 Groundwater Treatment

3.1.1 Treatment System

The LCTF 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.

Treated water from the Site is discharged to the NFWB sanitary sewer system as authorized by the Site's SIU Permit #44. In 2010, the NFWB reissued 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. A renewed permit was issued on January 5, 2015, and is valid from January 9, 2015 to January 9, 2020.

3.1.2 Effluent Discharge

The LCTF discharged to the NFWB sanitary sewer system 186 days in 2014.

Under high stormwater flow events, the NFWB periodically requires that the LCTF temporarily cease discharging to the sewer system. During an event of this type, the barrier drain pumping system will continue to operate and maintain a protective inward hydraulic gradient to capture leachate. The NFWB did not require a cease in discharge from the LCTF during 2014.

In 2014, the LCTF processed a total of 3,689,013 gallons of leachate. This total was comprised of 3,455,883 gallons of leachate from the Site and 233,130 gallons of leachate from the 102nd Street Landfill.

Table 3.1 shows the monthly total and average treated groundwater quantities from 2000 through 2014.

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. The quarterly effluent sampling for 2014

was performed on March 13, June 10, September 3, and December 11, 2014. The sample results were submitted to the NFWB quarterly as required by the permit. The results for each event were in compliance with the requirements of the Site's SIU permit.

3.1.4 Precipitation

In 2014, precipitation in the Niagara Falls region totaled 35.12 inches (Niagara Falls International Airport, National Climatic Data Center). Table 3.1 provides historic regional precipitation data from 2000 through 2014. It should be noted that past Annual Reports presented preliminary data from the National Weather Service Buffalo, taken 15.0 miles away at the Buffalo-Niagara International Airport. This report instead presents official, validated precipitation data from the National Climatic Data Center, collected only 1.6 miles away at the Niagara Falls International Airport. Both past and current data were changed to this closer, officially validated data source.

3.2 Groundwater Monitoring

Groundwater monitoring consists of both chemical monitoring to determine groundwater quality and hydraulic monitoring to demonstrate that the barrier drain is creating hydraulic containment. Monitoring and analytical protocols for the Site's groundwater monitoring program have been established and are set forth in the "Sampling Manual, Love Canal Site, Long-Term Groundwater Monitoring Program" (LTGMP), revised June 2013.

The monitoring results for 2014 are presented in the following sections.

3.2.1 Groundwater Quality

Chemical monitoring is performed annually by sampling select overburden and bedrock monitoring wells at the Site. On March 25, 2009, the NYSDEC communicated via email to GSH that the NYSDEC would no longer be providing an annual well sampling list for chemical monitoring and directed GSH to use the wells sampled in 2007 and 2008 for all future sampling events. Subsequent discussions between GSH and the NYSDEC regarding the well sampling list led to this decision being documented in an August 5, 2010 memo titled "Love Canal Annual Groundwater Sampling Schedule," presented in Appendix D.

It should be noted that overburden well 3151 is included on the Appendix D list; however, this well was noted in 2007 as "Well no longer available – destroyed" and cannot be located. Therefore, this well has not been sampled since 2007. In addition, overburden well 10178A and bedrock wells MW-01 and MW-02 were added to the annual sampling program in 2011.

The 2014 annual groundwater chemical monitoring event was performed between June 9 and July 9, 2014. As part of the annual groundwater chemical monitoring efforts in 2014, 32 observation wells were sampled. As part of the LTGMP, the NYSDEC has the option of collecting split samples during the annual event and having those samples analyzed independently to verify data. No split samples were collected by NYSDEC during the 2014 annual sampling event.

Between June 9 and July 9, 2014, groundwater samples were collected from 12 overburden and 20 bedrock observation wells in support of the LTGMP. The samples were submitted to TestAmerica Laboratories, Inc. (TA), located in Pittsburgh, Pennsylvania. TA is a New York State Department of Health (NYSDOH) approved laboratory certified under the National Environmental Laboratory Approval Program (NELAP). The samples were analyzed for Site-specific volatiles, semi-volatiles, pesticides, and polychlorinated biphenyls (PCBs). The raw data laboratory package is presented on a CD in Appendix E. A CRA chemist performed the analytical Quality Assurance/Quality Control (QA/QC) review and data validation. The QA/QC report for this event is presented in Appendix F.

Figure 3.2 identifies the wells sampled and their locations. The Love Canal Annual Groundwater Sampling Schedule is presented in Appendix D. Table 3.2 provides a summary of the overburden wells that were sampled, the analytical data, and a summation of the number of compounds found at or above the detection limits in each well. Table 3.3 provides a summary of the bedrock wells that were sampled, the analytical data, and a summation of the number of compounds found at or above the detection limits in each well.

3.2.1.1 Overburden Monitoring Wells

The 2014 groundwater analytical results for the overburden monitoring wells (Table 3.2) are consistent with previous long-term monitoring analytical results. The analytical results were non-detect or were detected at low levels consistent with concentrations detected during previous monitoring events (with the exception of groundwater from well 10135, which is installed in an area of known Site impacts).

Historically, well 10135 has had the most detected compounds and the highest concentrations. This well is located in the southwestern portion of the Site and within the fenced boundaries of the Site. Although located outside the barrier drain, well 10135 is within the influence of the barrier drain based on hydraulic monitoring conducted at adjacent nested piezometer string 1160. As stated in the LTGMP, well 10135 is located in an area of known contamination and is sampled to present a representative control well. In 2014, well 10135 had 23 compounds detected. Table 3.4 presents a summary of detected compounds.

3.2.1.2 Bedrock Monitoring Wells

The 2014 groundwater analytical results for the bedrock monitoring wells (Table 3.3) are consistent with previous long-term monitoring analytical results. Parameter concentrations were either non-detect or detected at low levels consistent with concentrations detected during previous monitoring events. In 2012, hexachlorobenzene was detected at monitoring well 10225A at a concentration of 3.6 micrograms per liter (μg/L), within the historic non-detect range of 1.9 U to 10 U. In 2014, hexachlorobenzene was non-detect at well 10225A (1.9 U) and remained non-detect at the adjacent bedrock wells 10225B and 10225C. Well 10225A will continue to be monitored annually for groundwater quality according to the NYSDEC-approved groundwater sampling program. Table 3.4 presents a summary of detected compounds.

3.2.1.3 Historic Compound Detections

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 2014. The data from these four wells are presented because they have the most consistent historical record of compound detections compared to the other overburden and bedrock wells. The data from the additional Site wells not presented in Table 3.5 are typically non-detect or demonstrate sporadic low level detections and, therefore, do not present useful data in regards to a discussion of historical analytical trends at the Site. An evaluation of the 2014 sampling data for these four wells shows that the compounds detected in 2014 are present at sporadic low level concentrations or concentrations consistent with historical trends.

3.2.2 Hydraulic Containment

Hydraulic monitoring consists of water level measurements conducted quarterly from six nested piezometer strings (1140, 1150, 1160, 1170, 1180, and 1190) per the NYSDEC-approved LTGMP, as well as water level measurements collected from three wells (7161, 9130, and 9140) in June 2014 as requested by the NYSDEC. In 2014, water levels were measured in March, June, September, and December. These 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 well inside the area enclosed by the barrier drain. Figures 3.3 to 3.8 show the overburden groundwater flow conditions for June 2014 at the six nested piezometers string locations.

A review of the piezometer string groundwater elevation data from the remaining three quarters (March, September, and December 2014) demonstrates that the data from those monitoring periods is consistent with the June 2014 data.

In addition to the above-mentioned information, a groundwater contour figure was prepared using the June 2014 water levels from the six nested piezometer strings and three additional wells (7161, 9130, and 9140), as requested by NYSDEC. The June 2014 groundwater contour figure is presented as Figure 3.9.

The groundwater contour figure and Tables 3.6A to 3.6F illustrate that there is a minimum of 3.70 feet of inward gradient outside of the barrier drain at each of the six nested piezometer strings. The term "feet of inward gradient" means the minimum difference in groundwater elevation between the wells on the outside of the barrier drain and the water level within the barrier drain, with the water level within the barrier drain representing the lowest water level elevation. This demonstrates that groundwater on the outside of the barrier drain (off-Site groundwater) is flowing toward and downward into the barrier drain. 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 towards the barrier drain. A review of Figure 3.9 shows that groundwater flow on the inside of the barrier drain is also towards the barrier drain. Therefore, the barrier drain and lateral trenches are capturing leachate from the landfill area and a portion of groundwater outside the barrier drain, thereby preventing off-Site migration of chemicals and preventing off-Site groundwater from migrating into the landfill area. Monitoring will continue during 2015 as per the NYSDEC-approved LTGMP.

3.2.3 Well Maintenance

The 2014 well inspections identified the need for routine maintenance on several wells at the Site. This maintenance was conducted during the summer and fall of 2014 and included the following:

- J-plugs were replaced at 14 wells due to normal wear
- Additional minor maintenance work was required at several wells, including painting well risers, replacement of well caps, etc.

3.2.4 Summary of Treatment and Monitoring Results

The volume of effluent discharge from the LCTF decreased from 5,087,758 gallons in 2013 to 3,689,013 in 2014, a number consistent with volumes from previous years with similar precipitation levels. Quarterly sampling and analysis found that all chemistry detected in the effluent samples for each event was either non-detect or present at very low levels within historic ranges.

The inward hydraulic gradient observed at each of the six nested piezometer strings demonstrates that the barrier drain is effectively capturing leachate from the Site and preventing off-Site migration of chemicals. The analytical results from the monitoring wells sampled were either non-detect for all analytes, or any chemistry detected within the monitoring wells was present at low levels below and consistent with concentrations from previous years (with the exception of groundwater from well 10135, discussed in Section 3.2.2), further illustrating containment.

The presence of an overall inward hydraulic gradient towards the barrier drain and a review of groundwater quality for the groundwater monitoring wells demonstrate overall Site containment.

Section 4.0 Activities

Summaries of normal activities and repairs performed in 2014 are presented below.

4.1 Process Activities

Process activities that occurred during the year included the following:

- Removal and disposal of hazardous waste
- Cleaning of all pump chambers
- Cleaning of all storage tanks
- Calibration of flow totalizers
- Repair and reprogramming of automatic valves
- Repair of feed pump leak
- Maintenance of heat trace systems
- Repair of PC3 pump controls

4.2 Non-Process Activities

Non-process activities that occurred during the year included the following:

- Preventative maintenance
- Repair of water line heat tracing in drum barn
- Repair of automatic gate and fence
- Inspection and repair backflow preventers

- Repair of heating system in drum barn
- Landscaping maintenance including grass cutting and tree and flower bed maintenance
- Heating and cooling system maintenance

4.3 Community Outreach

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

4.3.1 Beautification

The following beautification activities were conducted at Love Canal in 2014:

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

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. No tours were given in 2014.

4.3.3 Communications

All required reports were prepared and submitted to various agencies throughout the year. Reports included the 2013 Annual Hazardous Waste Report to the NYSDEC, the 2013 Periodic Review Report (formerly titled the Annual Operations and Monitoring Report) to various agencies, quarterly SIU analytical reports to the NFWB and NYSDEC, and monthly SIU reports to the NFWB.

The Love Canal Annual Newsletter for 2013 was issued to surrounding citizens and agencies in May 2014. 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.

4.4 Waste Generation

Throughout 2014, both hazardous and nonhazardous waste was generated from various activities and disposed of off Site in accordance with applicable laws and regulations.

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

A total of 27,485 pounds of hazardous waste was generated from various activities. The waste materials were then sent off Site for proper disposal in accordance with applicable laws and regulations. Wastes generated in 2014 were transported and disposed of through incineration or landfill impoundment by Clean Harbors, LLC.

The hazardous waste disposed of in 2014 consisted of soil/debris and non-aqueous phase liquid (NAPL), broken down as follows:

- Soil/Debris: 335 pounds (consisting of personal protective equipment [PPE]) and spent filters from operations)
- NAPL: 7,150 pounds (NAPL collected from 102nd Street)
- NAPL Sludge: 20,000 pounds (collected from LCTF process)

4.5 Routine Operations, Inspections, and Monitoring

A daily inspection of the system operations was performed for each day in 2014 in accordance with the O&M Manual for the Love Canal Site, dated May 2014. Inspection records are available upon request.

Monthly inspections of the fire extinguishers and monthly checks of the carbon vapor phase vent for breakthrough were also completed in accordance with the O&M Manual. Inspection records are available upon request.

The NFWB performed an annual inspection of the LCTF on January 6, 2014 and verification sampling of the effluent discharge on February 25, 2014. The inspection 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. The completed NFWB 2014 Inspection Form is included in Appendix G.

The United States Environmental Protection Agency (USEPA) conducted their 5-Year review inspection of the Site on July 11, 2013. Representatives of the USEPA, NYSDEC, Niagara County Department of Health, GSH, and CRA were in attendance. No issues were identified. The "Five-Year Review Report – Love Canal Superfund Site" was finalized on January 15, 2014. The report concluded:

"Based upon the results of this review, the U.S. Environmental Protection Agency concludes that the remedies implemented at this Site adequately control exposures of Site contaminants to human and environmental receptors to the extent necessary for the protection of human health and the environment. The continued operation and maintenance at the Site ensures that there are no site-related exposures of hazardous material to human or environmental receptors".

The NYSDEC conducted a Site inspection on June 26, 2014. The inspection included a review of upgrades made to components of the pumping and treatment system in 2013. No issues were identified and there were no requests for additional actions to be taken.

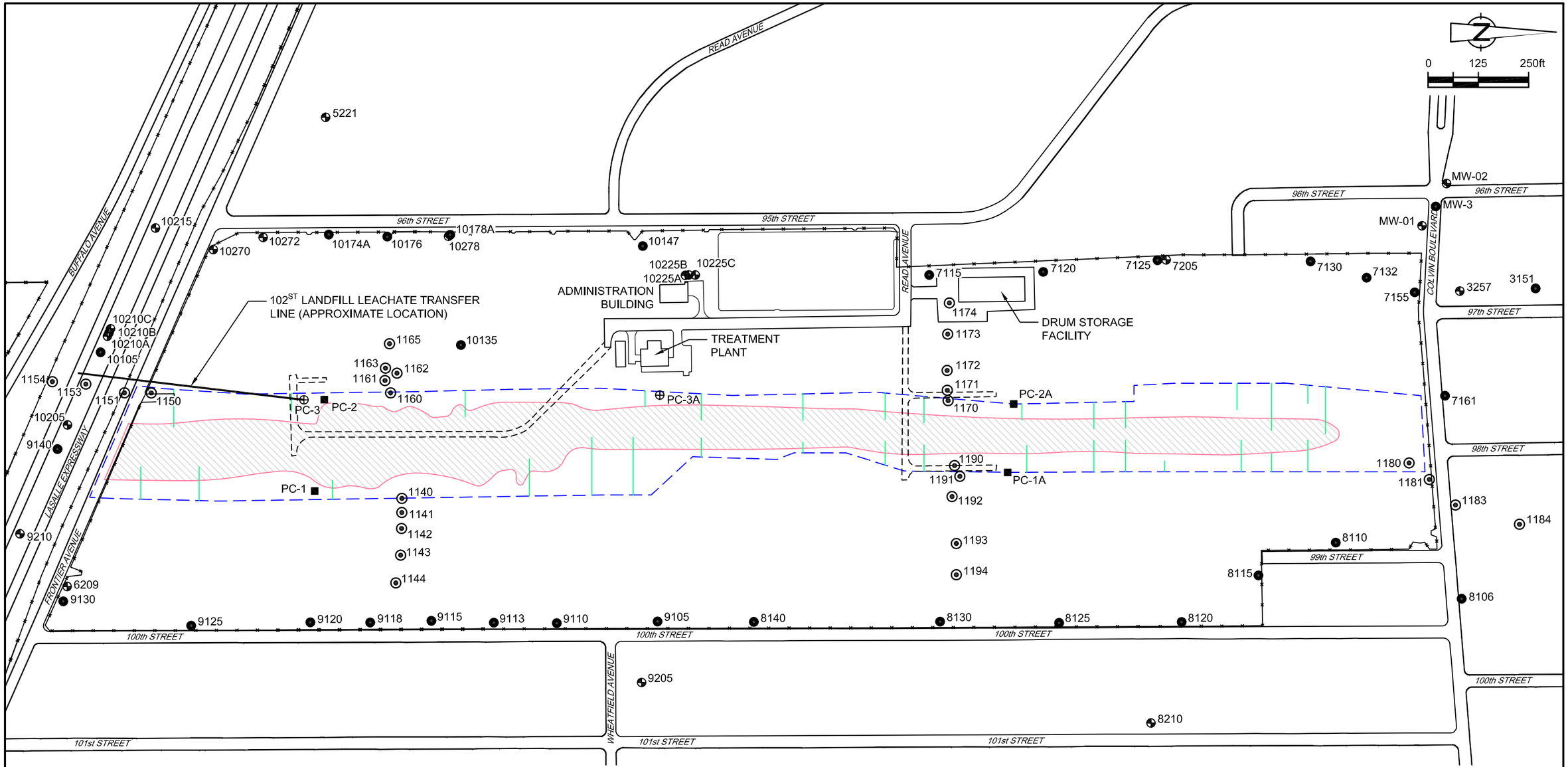
The backflow preventer system on the potable water supply lines was inspected and tested by CamTech Plumbing and Mechanical (CamTech) on March 25, 2014. CamTech is licensed and certified by the NFWB to perform the backflow preventer system inspections. All five backflow prevention devices were found to be operational with no maintenance required. A copy of the 2014 Test and Maintenance of Backflow Prevention Device Report for each device is presented in Appendix H.

The annual fire system inspection was conducted on May 6, 2014. No issues were identified.

Section 5.0 Conclusion

The 2014 monitoring results show that there has been no significant change in chemical concentration conditions and that the barrier drain system is successfully capturing leachate from the Site and preventing off-Site migration of contamination. The barrier drain continues to create an inward hydraulic gradient and 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 and analytical data from observation wells around the perimeter of the Site. The collection system is functioning as designed based on groundwater monitoring results and third party inspections by the NYSDEC. The treatment system is functioning as designed based on inspections and sampling by the NFWB and sampling by GSH. Effluent quality is compliant with the Site's SIU discharge permit. There were 3,689,013 gallons of leachate collected, treated, and discharged from the Site, of which 3,455,883 gallons of leachate were collected from the Site, and the remaining 233,130 gallons were collected from the 102nd Street Site and

pumped to the LCTF for treatment. Monitoring results continue to confirm that the remediation and containment system (i.e., the leachate collection and treatment system) is functioning properly.



LEGEND

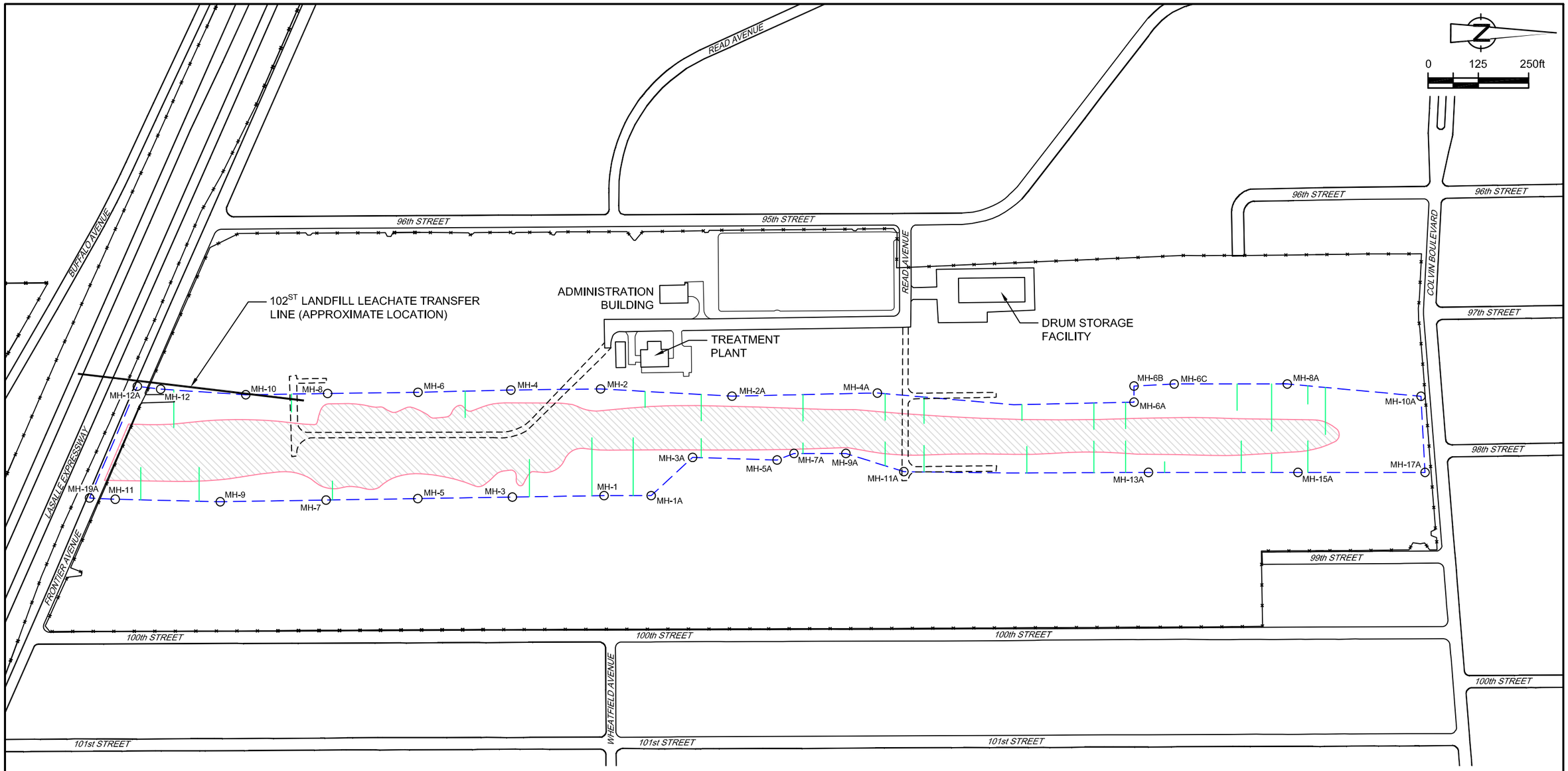
FENCE LINE	10270 BEDROCK OBSERVATION WELL
BARRIER DRAIN	PC-1 PUMP CHAMBER FOR LEACHATE COLLECTION
LATERAL TRENCH	PC-3 PUMP CHAMBER / UNDERGROUND LEACHATE STORAGE TANK FOR LEACHATE COLLECTION AND TRANSFER
7105 PIEZOMETER	APPROXIMATE LIMITS OF DISPOSED WASTE
9120 OVERBURDEN OBSERVATION WELL	

NOTE:
WELL 3151 IS UNABLE TO BE LOCATED
(ASSUMED TO BE PAVED OVER)

figure 2.1

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

09954-D23101(029)GN-WA002 DEC 30/2014



LEGEND

- FENCE LINE
- BARRIER DRAIN
- LATERAL TRENCH
- APPROXIMATE LIMITS OF DISPOSED WASTE
- MH-1 MANHOLE LOCATION

NOTE:
WELL 3151 IS UNABLE TO BE LOCATED
(ASSUMED TO BE PAVED OVER)

figure 2.2

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

09954-D23101(029)GN-WA003 DEC 30/2014

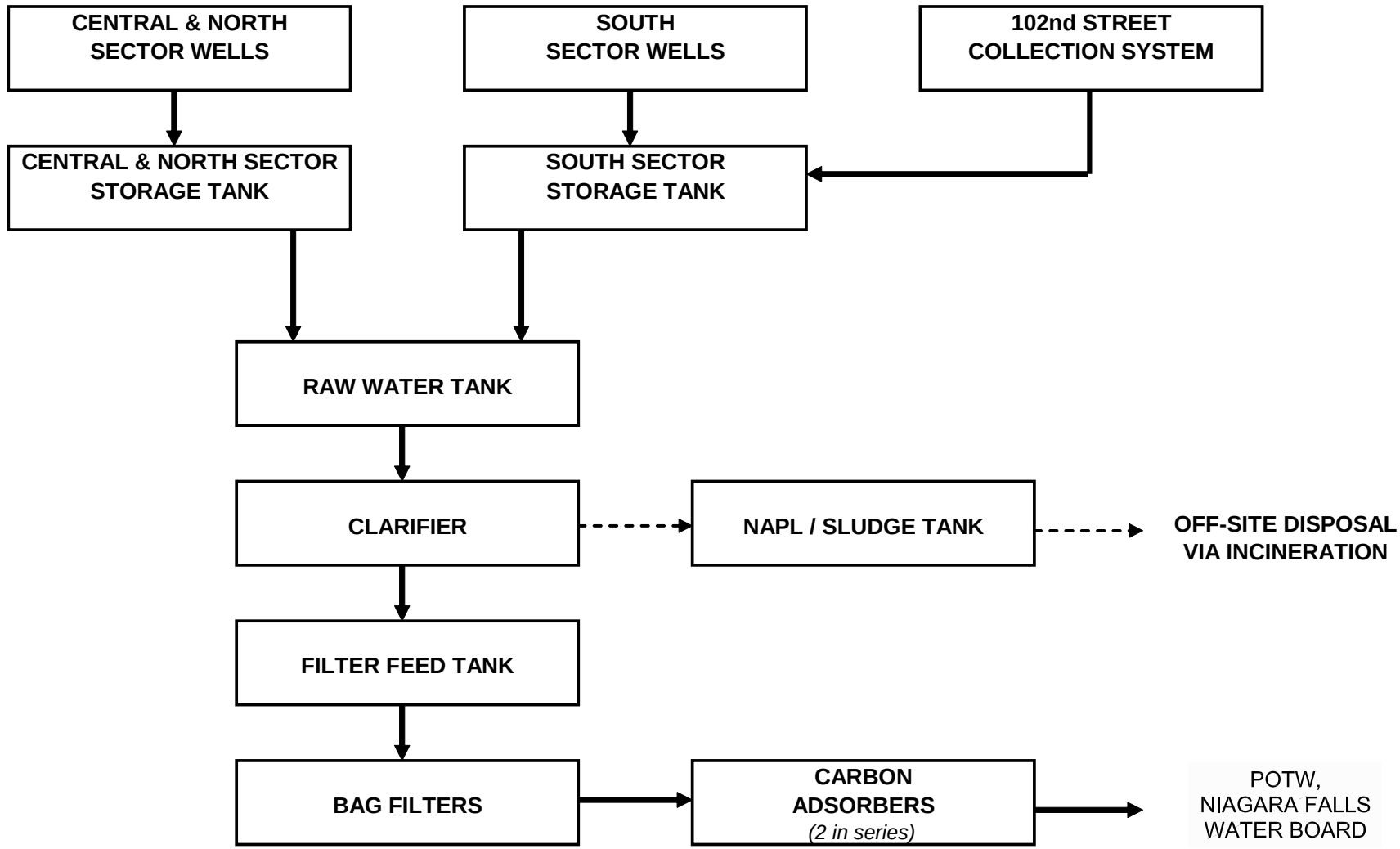
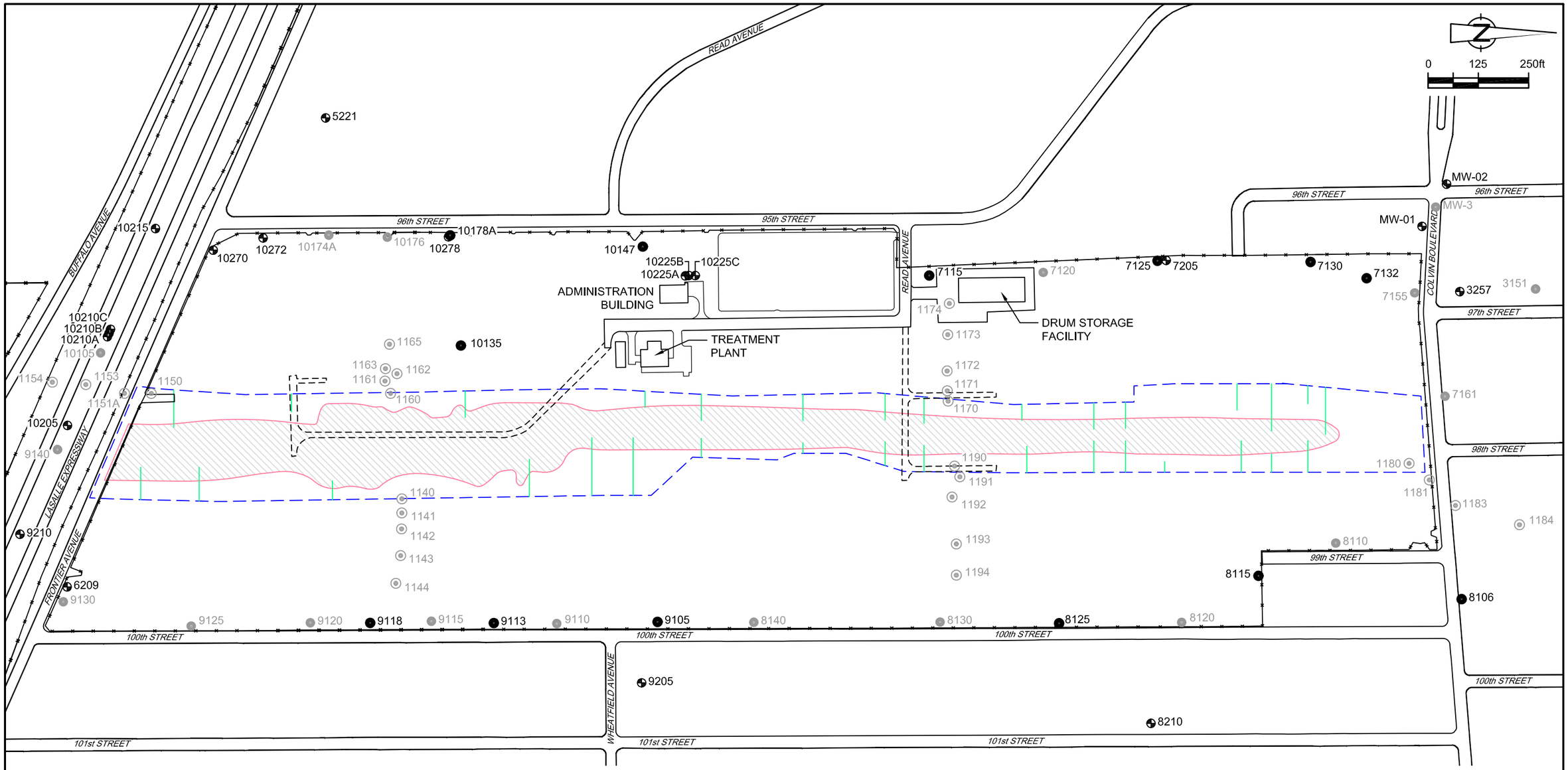


figure 3.1

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



LEGEND

- FENCE LINE
- BARRIER DRAIN
- LATERAL TRENCH
- 7105 PIEZOMETER
- 9122 OVERBURDEN OBSERVATION WELL
- 5222 BEDROCK OBSERVATION WELL
- 9205 OVERBURDEN OBSERVATION WELL SAMPLED IN 2014
- 10270 BEDROCK OBSERVATION WELL SAMPLED IN 2014
- APPROXIMATE LIMITS OF DISPOSED WASTE

NOTE:
WELL 3151 IS UNABLE TO BE LOCATED
(ASSUMED TO BE PAVED OVER)

figure 3.2

2014 GROUNDWATER MONITORING LOCATIONS
LOVE CANAL SITE
GLENN SPRINGS HOLDINGS, INC.
Niagara Falls, New York

09954-D23101(029)GN-WA005 DEC 30/2014

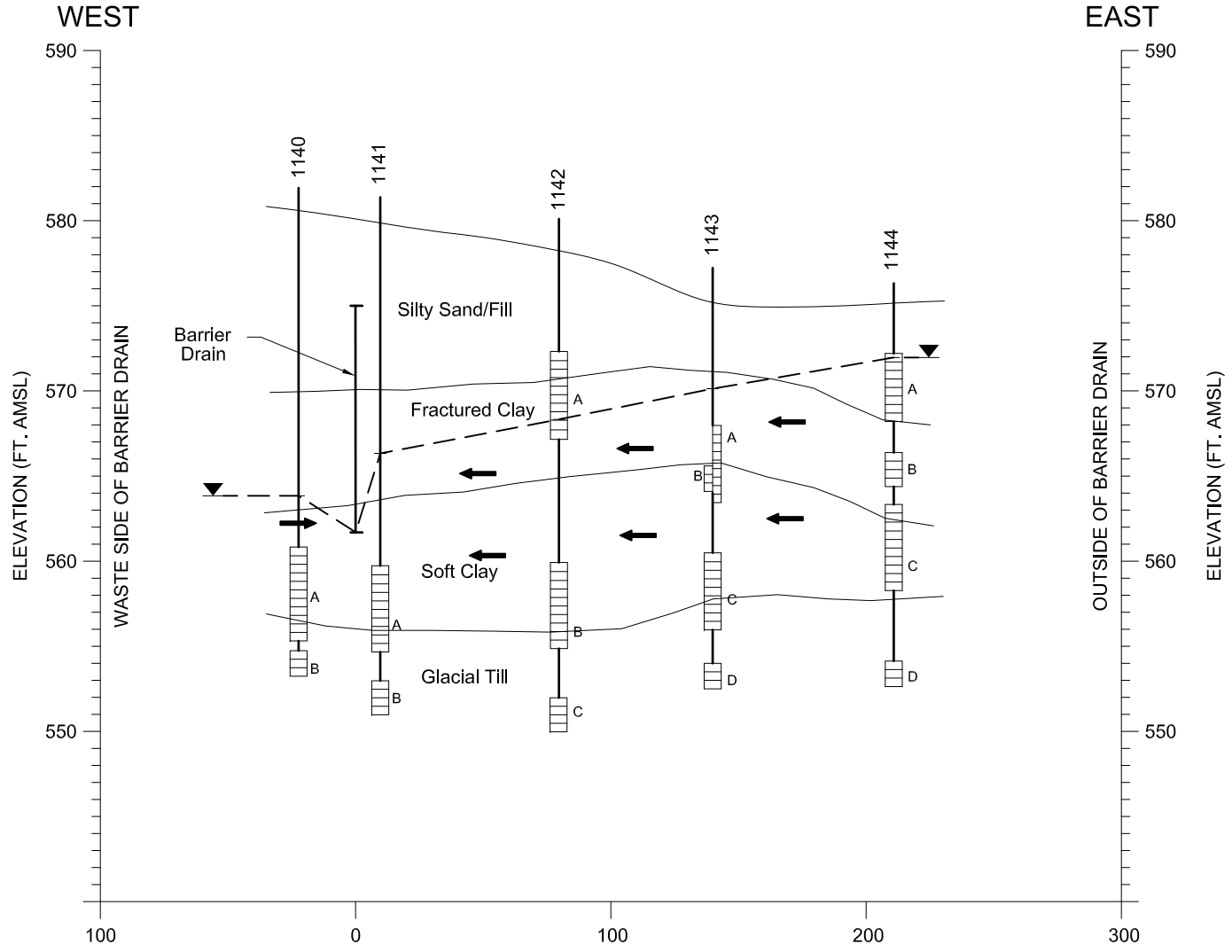


figure 3.3

JUNE 2014 FLOW DIAGRAM
1140 SERIES PIEZOMETERS
LOVE CANAL SITE
GLENN SPRINGS HOLDINGS, INC.
Niagara Falls, New York

LEGEND

A — PIEZOMETER DESIGNATION

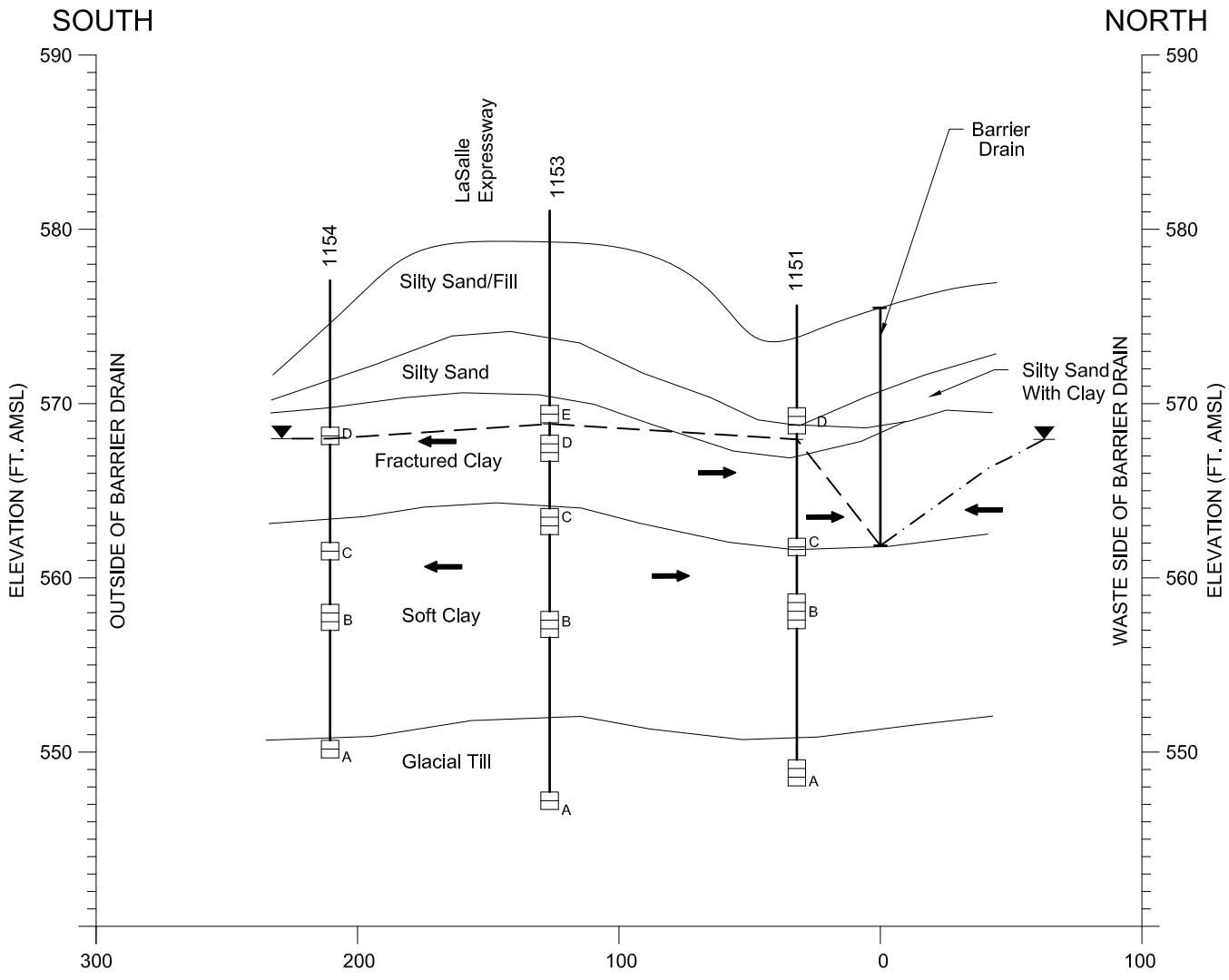
— — — GROUNDWATER LEVEL

→ 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.



LEGEND

A PIEZOMETER DESIGNATION

GROUNDWATER LEVEL

ESTIMATED 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 2014 FLOW DIAGRAM 1150 SERIES PIEZOMETERS LOVE CANAL SITE GLENN SPRINGS HOLDINGS, INC.

Niagara Falls, New York

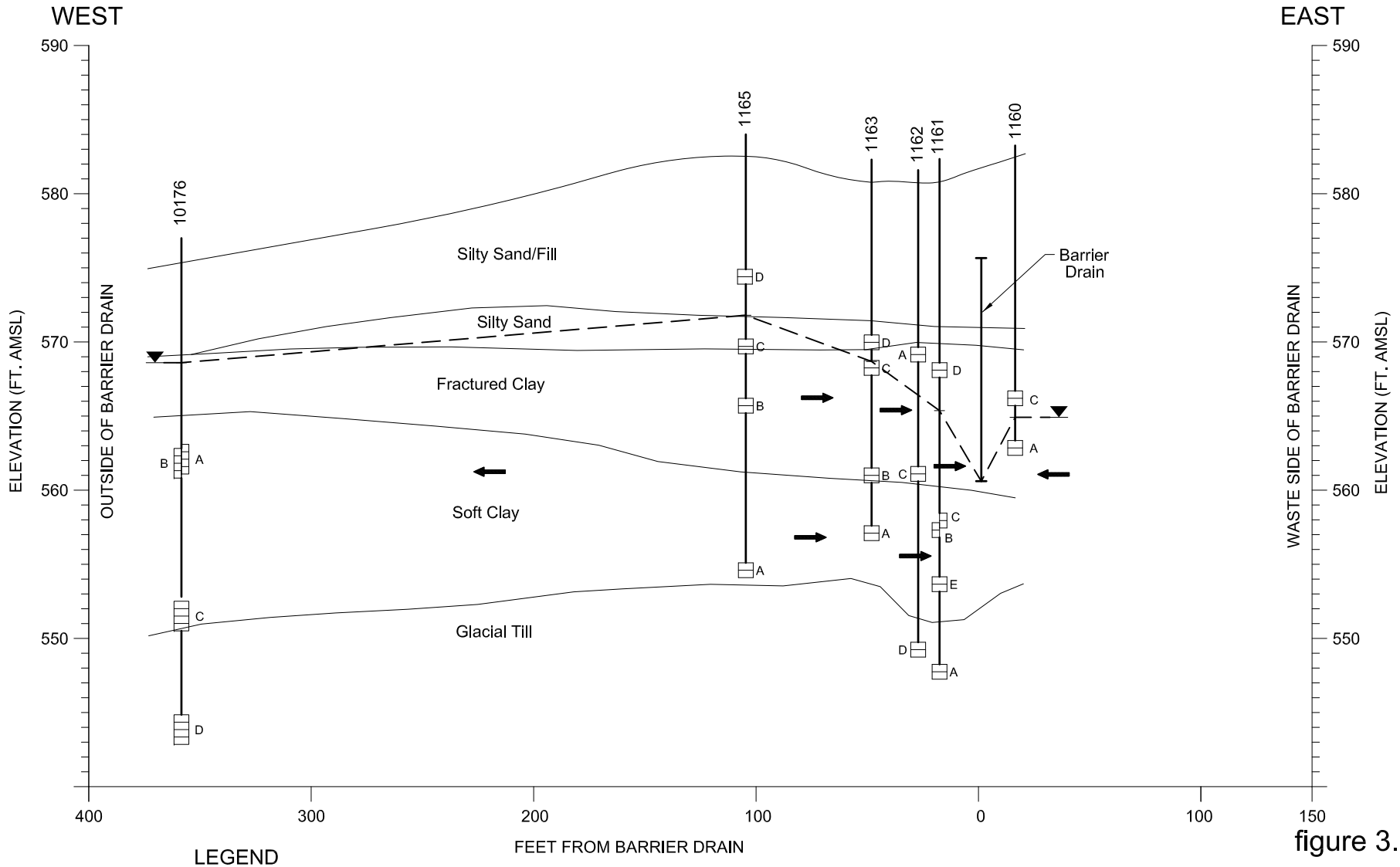


figure 3.5

JUNE 2014 FLOW DIAGRAM
1160 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.

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

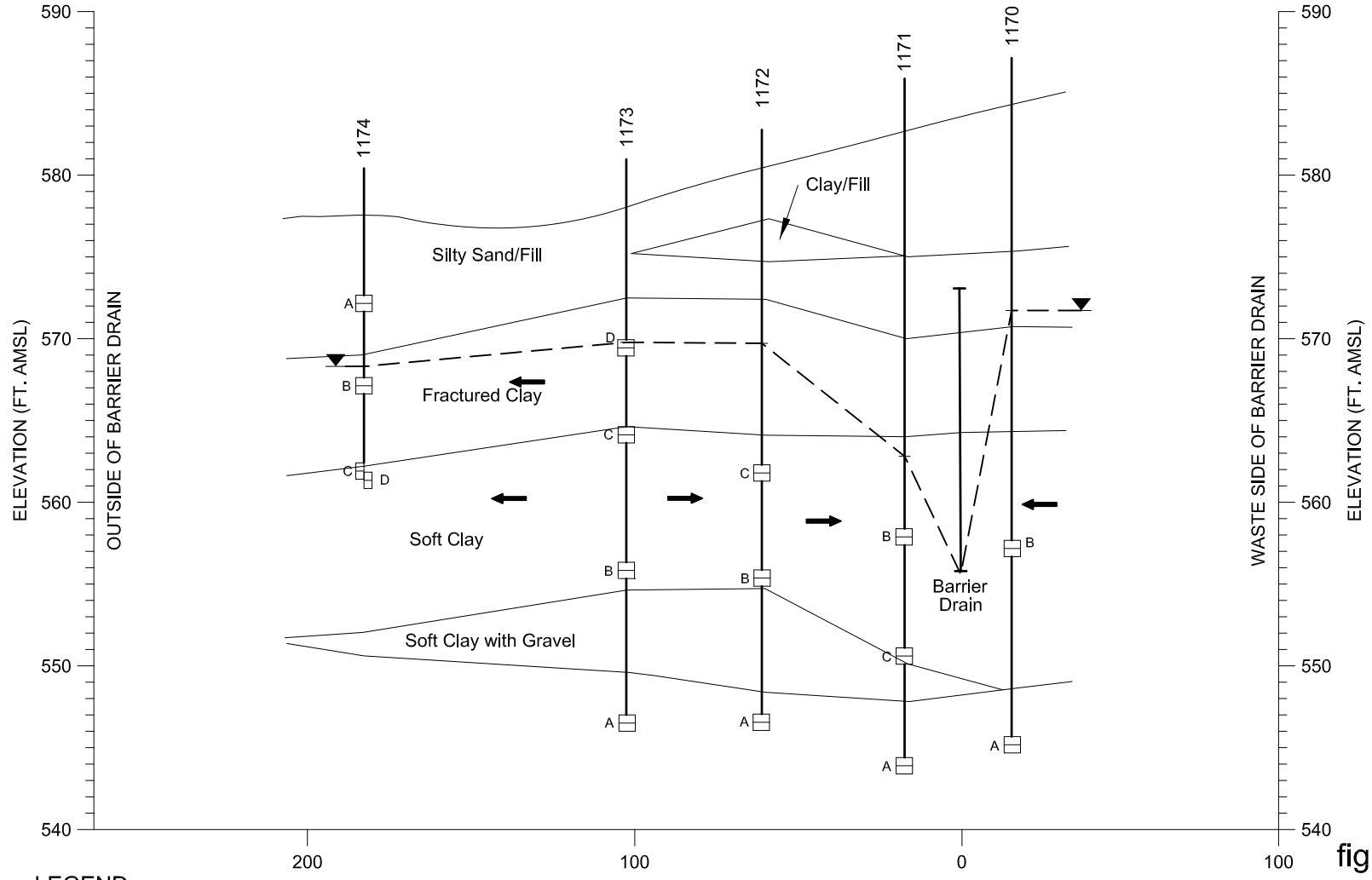


figure 3.6

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 2014 FLOW DIAGRAM
1170 SERIES PIEZOMETERS
LOVE CANAL SITE
GLENN SPRINGS HOLDINGS, INC.
Niagara Falls, New York

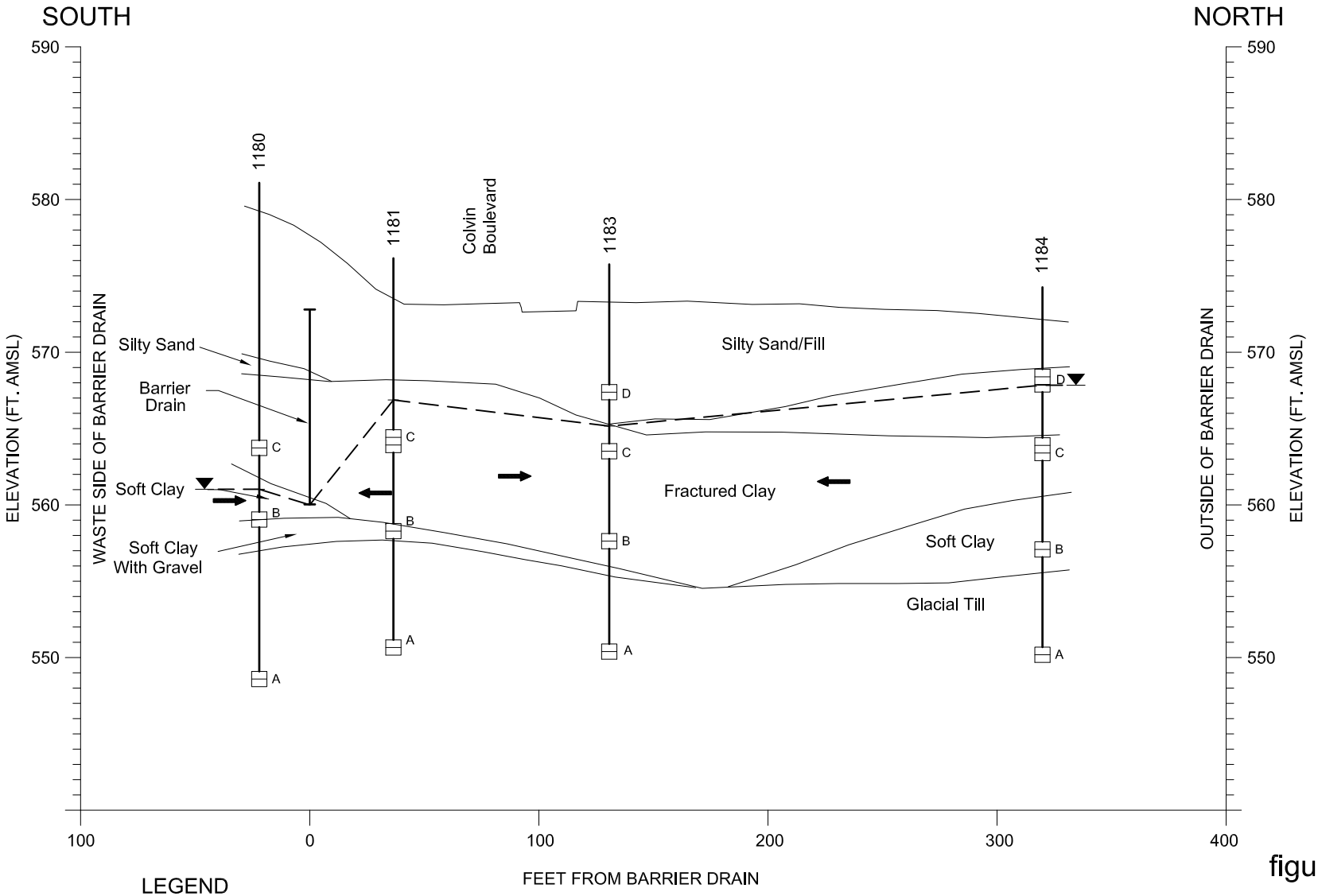


figure 3.7

JUNE 2014 FLOW DIAGRAM
1180 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.

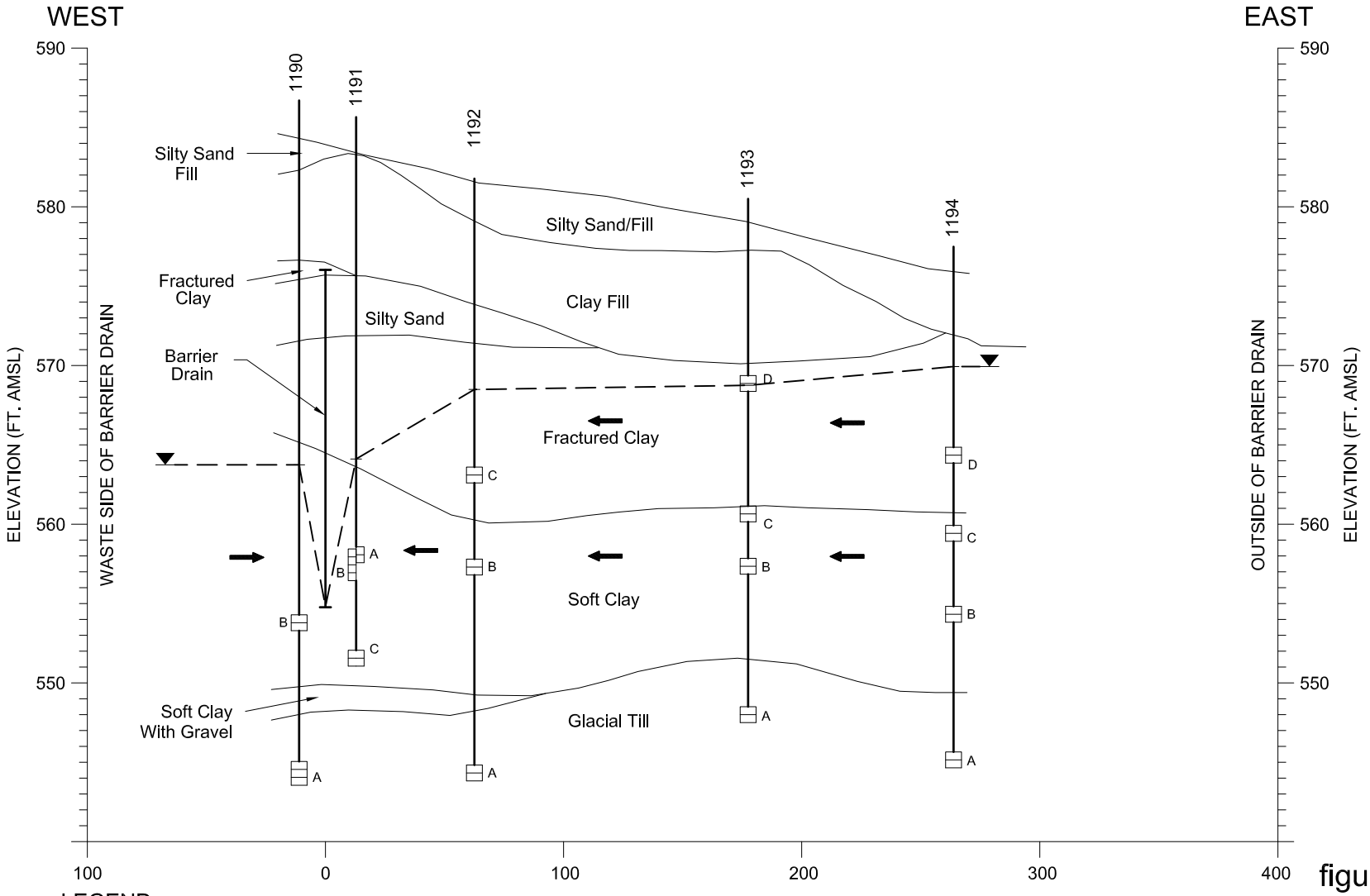


figure 3.8

LEGEND

A PIEZOMETER DESIGNATION

GROUNDWATER LEVEL

FLOW DIRECTION

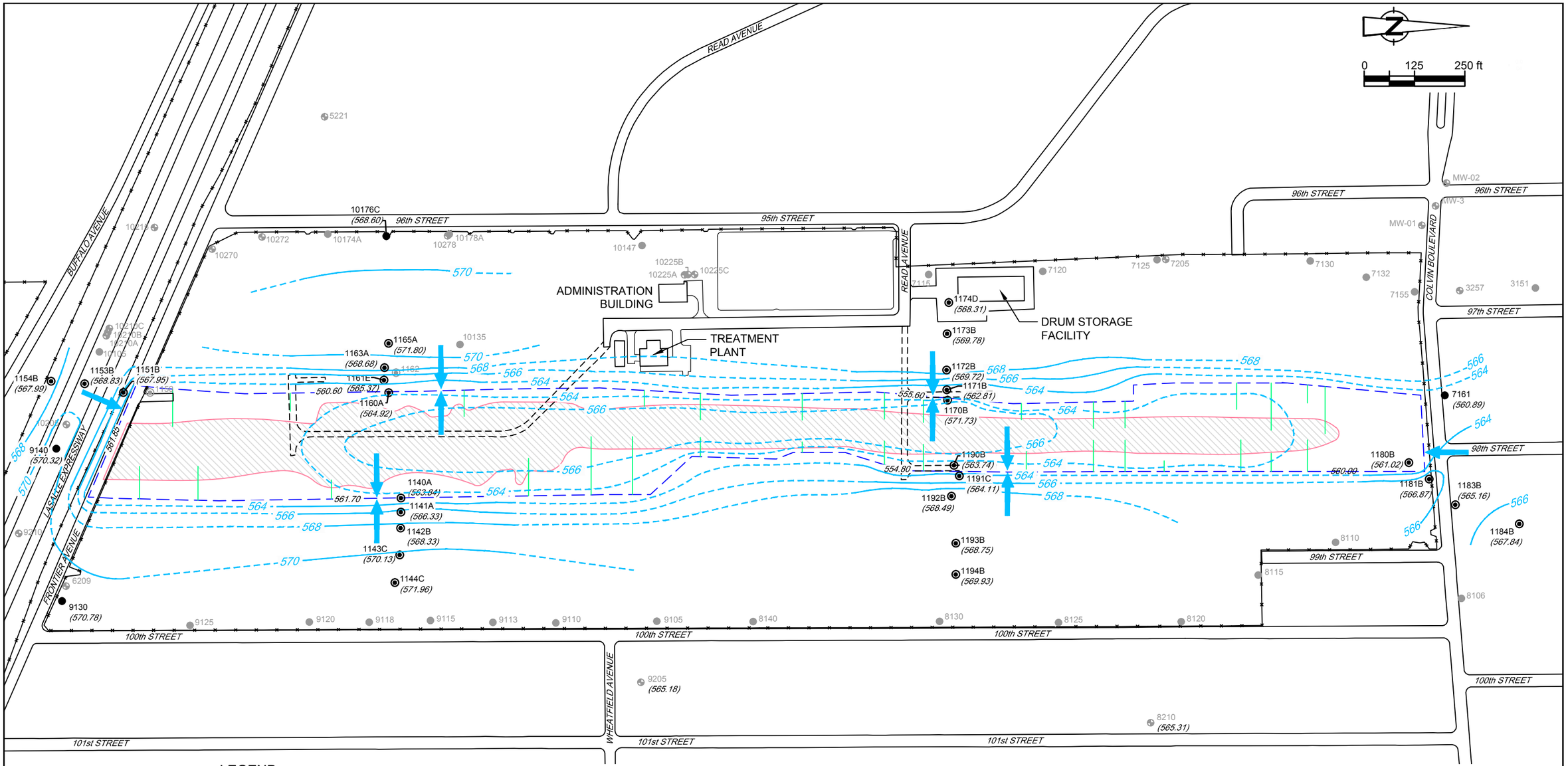
SCREENED INTERVAL

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

(2) PIEZOMETERS WERE INSTALLED IN SEPARATE BOREHOLES.

JUNE 2014 FLOW DIAGRAM
1190 SERIES PIEZOMETERS
LOVE CANAL SITE
GLENN SPRINGS HOLDINGS, INC.
Niagara Falls, New York

09954-D23101(029)GN-WA011 DEC 30/2014



LEGEND

- FENCE LINE
- BARRIER DRAIN
- LATERAL TRENCH
- 7105 — PIEZOMETER
- 9120 — OVERBURDEN OBSERVATION WELL
- 7105 — PIEZOMETER (NOT PART OF HYDRAULIC MONITORING PROGRAM)
- 9120 — OVERBURDEN OBSERVATION WELL (NOT PART OF HYDRAULIC MONITORING PROGRAM)
- 5222 — BEDROCK OBSERVATION WELL (NOT PART OF HYDRAULIC MONITORING PROGRAM)
- APPROXIMATE LIMITS OF DISPOSED WASTE
- (571.53) — GROUNDWATER ELEVATION (JUNE 2014)
- 566 — GROUNDWATER CONTOUR (JUNE 2014)
- INFERRED GROUNDWATER CONTOUR (JUNE 2014)
- GROUNDWATER FLOW DIRECTION
- 554.80 — ELEVATION OF THE BOTTOM OF THE BARRIER DRAIN

figure 3.9

JUNE 2014 GROUNDWATER CONTOURS
LOVE CANAL SITE
GLENN SPRINGS HOLDINGS, INC.
Niagara Falls, New York

TABLE 3.1

MONTHLY VOLUMES OF GROUNDWATER TREATED
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

			2000	*2001*	*2002*	*2003*	*2004*	*2005*	*2006*	*2007*	*2008*	*2009*	*2010*	*2011*	*2012*	*2013*	*2014*
January	Gross		**495,800**	**396,900**	**488,900**	**419,400**	**309,200**	**841,400**	**855,900**	**993,400**	**674,000**	**523,500**	**534,400**	**346,900**	**571,900**	**600,400**	**519,614**
	Net	(1)	280,364	282,480	422,682	374,123	260,171	796,518	817,305	970,918	649,777	495,713	471,805	322,994	546,816	575,767	499,889
	Days	(2)	21	20	21	14	10	17	16	20	18	16	17	18	15	18	20
February	Gross	(3)	**480,400**	**560,000**	**663,700**	**266,300**	**330,000**	**440,200**	**437,300**	**216,600**	**570,000**	**506,700**	**314,300**	**375,800**	**656,700**	**495,900**	**291,292**
	Net		368,492	468,863	608,116	231,049	291,082	401,137	405,124	174,776	539,772	485,869	276,643	349,712	634,167	478,434	277,226
	Days		21	19	20	13	9	11	9	7	16	13	10	19	16	19	15
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**	**1,003,700**	**384,500**	**488,000**	**388,937**
	Net		290,501	493,476	316,696	667,337	986,332	667,105	402,047	560,237	550,518	582,109	526,021	978,000	363,378	467,083	375,154
	Days		23	21	21	17	21	13	13	16	12	18	17	21	16	20	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**	**676,400**	**334,400**	**533,800**	**786,808**
	Net		547,926	262,946	629,683	380,745	767,982	769,514	155,028	420,133	574,359	377,080	466,778	652,656	316,188	516,478	768,257
	Days		20	20	20	16	17	14	6	14	12	16	15	11	18	22	20
May	Gross		**473,300**	**311,200**	**589,500**	**425,400**	**326,500**	**183,400**	**121,800**	**323,200**	**172,900**	**306,200**	**379,400**	**942,700**	**363,100**	**148,500**	**444,598**
	Net		335,331	207,580	532,251	379,299	294,612	156,846	93,394	297,471	147,715	267,700	348,837	917,206	341,424	129,687	428,177
	Days		20	17	20	14	10	5	4	12	11	14	18	17	16	18	21
June	Gross		**632,200**	**202,200**	**395,100**	**367,900**	**253,200**	**160,800**	**130,700**	**173,300**	**128,700**	**110,000**	**205,200**	**473,100**	**142,000**	**497,300**	**168,921**
	Net		486,721	132,132	347,485	303,576	208,659	118,979	104,449	148,638	107,411	79,200	174,305	449,046	118,568	478,285	152,639
	Days		20	16	14	13	9	6	5	4	6	7	13	16	12	18	12
July	Gross		**333,900**	**182,200**	**194,500**	**187,700**	**137,700**	**92,600**	**195,500**	**129,100**	**164,760**	**187,900**	**85,600**	**79,700**	**98,400**	**280,000**	**151,772**
	Net		184,955	111,941	145,344	142,849	111,217	78,234	183,084	99,026	141,442	153,170	55,670	53,632	72,435	260,823	123,921
	Days		20	16	16	11	7	3	5	6	6	7	4	5	9	19	15
August	Gross		**437,100**	**267,200**	**151,300**	**158,600**	**301,900**	**98,800**	**322,440**	**120,800**	**197,340**	**369,400**	**184,300**	**193,900**	**73,960**	**193,144**	**98,166**
	Net		286,925	194,821	107,928	114,497	269,934	55,055	293,900	106,040	191,068	347,425	162,562	166,652	49,422	168,418	83,010
	Days		23	18	17	8	10	5	10	5	6	18	8	13	8	21	9
September	Gross		**209,600**	**144,900**	**148,600**	**105,800**	**484,800**	**317,900**	**249,160**	**68,400**	**152,200**	**101,500**	**88,100**	**47,800**	**161,100**	**131,289**	**139,016**
	Net		82,263	81,619	94,401	60,350	435,482	284,315	213,343	49,041	122,101	76,057	56,678	21,679	136,728	110,397	111,392
	Days		20	16	12	7	12	8	7	4	9	7	2	6	17	23	13
October	Gross		**264,300**	**438,500**	**154,600**	**211,000**	**135,700**	**486,300**	**919,200**	**173,000**	**296,100**	**199,200**	**120,200**	**417,500**	**318,400**	**503,036**	**121,075**
	Net		134,248	348,153	108,226	211,000	94,476	445,560	892,734	141,650	274,068	129,035	88,537	389,696	291,391	480,233	94,680
	Days		20	18	13	9	4	10	18	8	13	8	5	14	19	20	18
November	Gross		**250,900**	**250,400**	**360,800**	**356,800**	**211,400**	**524,600**	**691,800**	**90,100**	**449,700**	**210,100**	**263,400**	**350,100**	**526,900**	**538,978**	**107,729**
	Net		132,728	194,481	306,258	310,650	186,999	494,443	658,765	77,506	414,149	152,302	233,159	322,735	504,290	520,087	85,439
	Days		17	16	14	12	5	14	14	3	14	12	15	12	20	19	12
December	Gross		**522,600**	**555,300**	**549,600**	**692,300**	**674,400**	**502,000**	**510,400**	**345,700**	**757,500**	**506,200**	**510,900**	**952,000**	**517,700**	**677,411**	**471,085**
	Net		421,149	475,856	496,556	643,735	622,403	476,165	492,900	317,790	733,582	467,578	483,221	926,201	493,061	660,890	456,099
	Days		17	18	15	14	14	12	12	8	20	17	17	19	14	17	14
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**	**5,859,600**	**4,149,060**	**5,087,758**	**3,689,013**
	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**	**5,550,209**	**3,867,868**	**4,846,582**	**3,455,883**
	Days		**242**	**215**	**203**	**148**	**128**	**118**	**119**	**107**	**143**	**153**	**141**	**171**	**180**	**234**	**186**
Monthly	Gross		**440,100**	**356,458**	**395,933**	**362,125**	**416,967**	**429,350**	**421,317**	**305,275**	**394,642**	**336,875**	**311,175**	**488,300**	**345,755**	**423,980**	**307,418**
Average	Net		295,967	271,196	342,969	318,268	377,446	395,323	392,673	280,269	370,497	301,103	278,685	462,517	322,322	403,882	287,990
	Days		20	18	17	12	11	10	10	9	12	13	12	14	15	20	16
Precipitation Inches (4)			**36.33**	**29.56**	**31.05**	**32.03**	**36.33**	**35.99**	**38.66**	**24.02**	**36.45**	**37.85**	**34.54**	**40.26**	**31.87**	**40.66**	**35.12**

Notes:

(1) Gross: Total volume of leachate treated in gallons; treatment at LCTF includes leachate collected from 102nd Street Landfill Site.

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

(3) Days: Number of days treatment facility discharged to the sanitary sewer.

(4) Precipitation data obtained from the National Climatic Data Center for Niagara Falls International Airport.

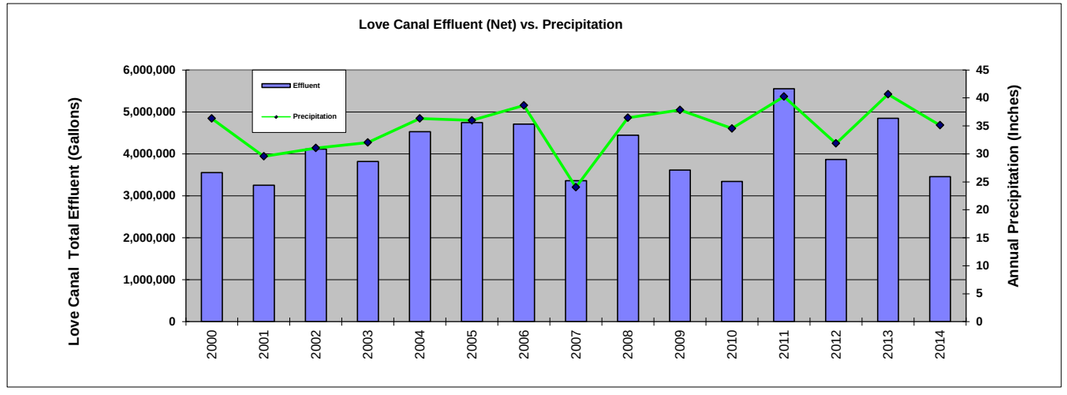


TABLE 3.2

2014 ANALYTICAL RESULTS SUMMARY-OVERBURDEN
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

	Sample Location:	***7115***	***7125***	***7130***	***7130***	***7132***
	Sample ID:	***WG-9954-060914-SG-001***	***WG-9954-060914-SG-002***	***WG-9954-061014-SG-003***	***WG-9954-061014-SG-004***	***WG-9954-061014-SG-005***
	Sample Date:	***6/9/2014***	***6/9/2014***	***6/10/2014***	***6/10/2014 (Duplicate)***	***6/10/2014***
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
1,1,2,2-Tetrachloroethane	µg/L	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
1,1-Dichloroethane	µg/L	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
1,2-Dichloroethane	µg/L	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
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ
2-Hexanone	µg/L	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
Acetone	µg/L	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ
Benzene	µg/L	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
Bromoform	µg/L	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
Carbon disulfide	µg/L	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
Chlorobenzene	µg/L	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
Chloroform (Trichloromethane)	µg/L	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
ethylbenzene	µg/L	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
Dibromochloromethane	µg/L	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
Methylene chloride	µg/L	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
Tetrachloroethene	µg/L	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
trans-1,2-Dichloroethene	µg/L	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
Trichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Vinyl acetate	µg/L	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ
Vinyl chloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Xylenes (total)	µg/L	10 U	10 U	10 U	10 U	10 U
Discrete Compounds Detected:		0	0	0	0	0

TABLE 3.2

2014 ANALYTICAL RESULTS SUMMARY-OVERBURDEN
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

	Sample Location:	***7115***	***7125***	***7130***	***7130***	***7132***
	Sample ID:	***WG-9954-060914-SG-001***	***WG-9954-060914-SG-002***	***WG-9954-061014-SG-003***	***WG-9954-061014-SG-004***	***WG-9954-061014-SG-005***
	Sample Date:	***6/9/2014***	***6/9/2014***	***6/10/2014***	***6/10/2014 (Duplicate)***	***6/10/2014***
Parameters	***Units***					
Semi-volatile Organic Compounds						
1,2,4-Trichlorobenzene	µg/L	9.5 U	9.6 U	9.6 U	9.6 U	9.5 U
1,2-Dichlorobenzene	µg/L	9.5 U	9.6 U	9.6 U	9.6 U	9.5 U
1,3-Dichlorobenzene	µg/L	9.5 U	9.6 U	9.6 U	9.6 U	9.5 U
1,4-Dichlorobenzene	µg/L	9.5 U	9.6 U	9.6 U	9.6 U	9.5 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
2,4,5-Trichlorophenol	µg/L	9.5 U	9.6 U	9.6 U	9.6 U	9.5 U
2,4,6-Trichlorophenol	µg/L	9.5 U	9.6 U	9.6 U	9.6 U	9.5 U
2,4-Dichlorophenol	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
2,4-Dimethylphenol	µg/L	9.5 U	9.6 U	9.6 U	9.6 U	9.5 U
2,4-Dinitrophenol	µg/L	48 U	48 U	48 U	48 U	48 U
2,4-Dinitrotoluene	µg/L	9.5 U	9.6 U	9.6 U	9.6 U	9.5 U
2,6-Dinitrotoluene	µg/L	9.5 U	9.6 U	9.6 U	9.6 U	9.5 U
2-Chloronaphthalene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
2-Chlorophenol	µg/L	9.5 U	9.6 U	9.6 U	9.6 U	9.5 U
2-Methylnaphthalene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
2-Methylphenol	µg/L	9.5 U	9.6 U	9.6 U	9.6 U	9.5 U
2-Nitroaniline	µg/L	48 U	48 U	48 U	48 U	48 U
2-Nitrophenol	µg/L	9.5 U	9.6 U	9.6 U	9.6 U	9.5 U
3,3'-Dichlorobenzidine	µg/L	9.5 U	9.6 U	9.6 U	9.6 U	9.5 U
3-Nitroaniline	µg/L	48 U	48 U	48 U	48 U	48 U
4,6-Dinitro-2-methylphenol	µg/L	48 U	48 U	48 U	48 U	48 U
4-Bromophenyl phenyl ether	µg/L	9.5 U	9.6 U	9.6 U	9.6 U	9.5 U
4-Chloro-3-methylphenol	µg/L	9.5 U	9.6 U	9.6 U	9.6 U	9.5 U
4-Chloroaniline	µg/L	9.5 U	9.6 U	9.6 U	9.6 U	9.5 U
4-Chlorophenyl phenyl ether	µg/L	9.5 U	9.6 U	9.6 U	9.6 U	9.5 U
4-Methylphenol	µg/L	9.5 U	9.6 U	9.6 U	9.6 U	9.5 U
4-Nitroaniline	µg/L	48 U	48 U	48 U	48 U	48 U
4-Nitrophenol	µg/L	48 U	48 U	48 U	48 U	48 U
Acenaphthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Acenaphthylene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Anthracene	µg/L	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	1.9 U	1.9 U	1.9 U
Benzo(a)pyrene	µg/L	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	1.9 U	1.9 U	1.9 U
Benzo(g,h,i)perylene	µg/L	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	1.9 U	1.9 U	1.9 U
Benzoic acid	µg/L	48 U	48 U	48 U	48 U	48 U
Benzyl alcohol	µg/L	9.5 U	9.6 U	9.6 U	9.6 U	9.5 U

TABLE 3.2

2014 ANALYTICAL RESULTS SUMMARY-OVERBURDEN
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

	Sample Location:	*7115*	*7125*	*7130*	*7130*	*7132*
	Sample ID:	*WG-9954-060914-SG-001*	*WG-9954-060914-SG-002*	*WG-9954-061014-SG-003*	*WG-9954-061014-SG-004*	*WG-9954-061014-SG-005*
	Sample Date:	*6/9/2014*	*6/9/2014*	*6/10/2014*	*6/10/2014 (Duplicate)*	*6/10/2014*
Parameters	***Units***					
Semi-volatile Organic Compounds-Continued						
bis(2-Chloroethoxy)methane	µg/L	9.5 U	9.6 U	9.6 U	9.6 U	9.5 U
bis(2-Chloroethyl)ether	µg/L	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	19 U	19 U	19 U
Butyl benzylphthalate (BBP)	µg/L	9.5 U	9.6 U	9.6 U	9.6 U	9.5 U
Chrysene	µg/L	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	1.9 U	1.9 U	1.9 U
Dibenzofuran	µg/L	9.5 U	9.6 U	9.6 U	9.6 U	9.5 U
Diethyl phthalate	µg/L	9.5 U	9.6 U	9.6 U	9.6 U	9.5 U
Dimethyl phthalate	µg/L	9.5 U	9.6 U	9.6 U	9.6 U	9.5 U
Di-n-butylphthalate (DBP)	µg/L	9.5 U	9.6 U	9.6 U	9.6 U	9.5 U
Di-n-octyl phthalate (DnOP)	µg/L	9.5 U	9.6 U	9.6 U	9.6 U	9.5 U
Fluoranthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Fluorene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Hexachlorobenzene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Hexachlorobutadiene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Hexachlorocyclopentadiene	µg/L	9.5 U	9.6 U	9.6 U	9.6 U	9.5 U
Hexachloroethane	µg/L	9.5 U	9.6 U	9.6 U	9.6 U	9.5 U
Indeno(1,2,3-cd)pyrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Isophorone	µg/L	9.5 U	9.6 U	9.6 U	9.6 U	9.5 U
Naphthalene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Nitrobenzene	µg/L	19 U	19 U	19 U	19 U	19 U
N-Nitrosodi-n-propylamine	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
N-Nitrosodiphenylamine	µg/L	9.5 U	9.6 U	9.6 U	9.6 U	9.5 U
Pentachlorophenol	µg/L	9.5 U	9.6 U	9.6 U	9.6 U	9.5 U
Phenanthrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Phenol	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Pyrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Discrete Compounds Detected:		0	0	0	0	0

TABLE 3.2

2014 ANALYTICAL RESULTS SUMMARY-OVERBURDEN
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

	Sample Location:	***7115***	***7125***	***7130***	***7130***	***7132***
	Sample ID:	***WG-9954-060914-SG-001***	***WG-9954-060914-SG-002***	***WG-9954-061014-SG-003***	***WG-9954-061014-SG-004***	***WG-9954-061014-SG-005***
	Sample Date:	***6/9/2014***	***6/9/2014***	***6/10/2014***	***6/10/2014 (Duplicate)***	***6/10/2014***
Parameters	***Units***					
Polychlorinated Biphenyls (PCBs)						
Aroclor-1016 (PCB-1016)	µg/L	0.38 U	0.38 U	0.38 U	0.037 U	0.38 U
Aroclor-1221 (PCB-1221)	µg/L	0.38 U	0.38 U	0.38 U	0.037 U	0.38 U
Aroclor-1232 (PCB-1232)	µg/L	0.38 U	0.38 U	0.38 U	0.037 U	0.38 U
Aroclor-1242 (PCB-1242)	µg/L	0.38 U	0.38 U	0.38 U	0.037 U	0.38 U
Aroclor-1248 (PCB-1248)	µg/L	0.38 U	0.38 U	0.38 U	0.037 U	0.38 U
Aroclor-1254 (PCB-1254)	µg/L	0.38 U	0.38 U	0.38 U	0.037 U	0.38 U
Aroclor-1260 (PCB-1260)	µg/L	0.38 U	0.38 U	0.38 U	0.037 U	0.38 U
Discrete Compounds Detected:		0	0	0	0	0
Pesticides						
4,4'-DDD	µg/L	0.048 U	0.048 U	0.048 U	0.0046 U	0.048 U
4,4'-DDE	µg/L	0.048 U	0.048 U	0.048 U	0.0046 U	0.048 U
4,4'-DDT	µg/L	0.048 U	0.048 U	0.048 U	0.0046 U	0.048 U
Aldrin	µg/L	0.048 U	0.048 U	0.048 U	0.0046 U	0.048 U
alpha-BHC	µg/L	0.048 U	0.048 U	0.048 U	0.0046 U	0.048 U
alpha-Chlordane	µg/L	0.048 U	0.048 U	0.048 U	0.0046 U	0.048 U
beta-BHC	µg/L	0.048 U	0.048 U	0.048 U	0.0046 U	0.048 U
delta-BHC	µg/L	0.048 U	0.048 U	0.048 U	0.0046 U	0.048 U
Dieldrin	µg/L	0.048 U	0.048 U	0.048 U	0.0046 U	0.048 U
Endosulfan I	µg/L	0.048 U	0.048 U	0.048 U	0.0046 U	0.048 U
Endosulfan II	µg/L	0.048 U	0.048 U	0.048 U	0.0046 U	0.048 U
Endosulfan sulfate	µg/L	0.048 U	0.048 U	0.048 U	0.0046 U	0.048 U
Endrin	µg/L	0.048 U	0.048 U	0.048 U	0.0046 U	0.048 U
Endrin ketone	µg/L	0.048 U	0.048 U	0.048 U	0.0046 U	0.048 U
gamma-BHC (lindane)	µg/L	0.048 U	0.048 U	0.048 U	0.0046 U	0.048 U
gamma-Chlordane	µg/L	0.048 U	0.048 U	0.048 U	0.0046 U	0.048 U
Heptachlor	µg/L	0.048 U	0.048 U	0.048 U	0.0046 U	0.048 U
Heptachlor epoxide	µg/L	0.048 U	0.048 U	0.048 U	0.0046 U	0.048 U
Methoxychlor	µg/L	0.095 U	0.095 U	0.095 U	0.0092 U	0.095 U
Toxaphene	µg/L	3.8 U	3.8 U	3.8 U	0.37 U	3.8 U
Discrete Compounds Detected:		0	0	0	0	0

Notes:

J - Estimated concentration.
U - Not detected at the associated reporting limit.
UJ - Not detected; associated reporting limit is estimated.

TABLE 3.2

2014 ANALYTICAL RESULTS SUMMARY-OVERBURDEN
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

	Sample Location:	***8106***	***8115***	***8115***	***8125***	***9105***
	Sample ID:	***WG-9954-062314-SG-006***	***WG-9954-061314-SG-013***	***WG-9954-061314-SG-014***	***WG-9954-061014-SG-008***	***WG-9954-061014-SG-009***
	Sample Date:	***6/23/2014***	***6/13/2014***	***6/13/2014 (Duplicate)***	***6/10/2014***	***6/10/2014***
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
1,1,2,2-Tetrachloroethane	µg/L	5.0 UJ	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
1,1-Dichloroethane	µg/L	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
1,2-Dichloroethane	µg/L	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
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ
2-Hexanone	µg/L	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
Acetone	µg/L	20 U	20 U	20 U	20 UJ	20 UJ
Benzene	µg/L	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
Bromoform	µg/L	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
Carbon disulfide	µg/L	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
Chlorobenzene	µg/L	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
Chloroform (Trichloromethane)	µg/L	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
ethylbenzene	µg/L	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
Dibromochloromethane	µg/L	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
Methylene chloride	µg/L	5.0 UJ	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
Tetrachloroethene	µg/L	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
trans-1,2-Dichloroethene	µg/L	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
Trichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Vinyl acetate	µg/L	5.0 UJ	5.0 U	5.0 U	5.0 UJ	5.0 UJ
Vinyl chloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Xylenes (total)	µg/L	10 U	10 U	10 U	10 U	10 U
Discrete Compounds Detected:		0	0	0	0	0

TABLE 3.2

2014 ANALYTICAL RESULTS SUMMARY-OVERBURDEN
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

	Sample Location:	8106	8115	8115	8125	9105
	Sample ID:	WG-9954-062314-SG-006	WG-9954-061314-SG-013	WG-9954-061314-SG-014	WG-9954-061014-SG-008	WG-9954-061014-SG-009
	Sample Date:	6/23/2014	6/13/2014	6/13/2014 (Duplicate)	6/10/2014	6/10/2014
Parameters	***Units***					
Semi-volatile Organic Compounds						
1,2,4-Trichlorobenzene	µg/L	9.5 U	9.4 U	9.4 U	9.5 U	9.5 U
1,2-Dichlorobenzene	µg/L	9.5 U	9.4 U	9.4 U	9.5 U	9.5 U
1,3-Dichlorobenzene	µg/L	9.5 U	9.4 U	9.4 U	9.5 U	9.5 U
1,4-Dichlorobenzene	µg/L	9.5 U	9.4 U	9.4 U	9.5 U	9.5 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
2,4,5-Trichlorophenol	µg/L	9.5 U	9.4 U	9.4 U	9.5 U	9.5 U
2,4,6-Trichlorophenol	µg/L	9.5 U	9.4 U	9.4 U	9.5 U	9.5 U
2,4-Dichlorophenol	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
2,4-Dimethylphenol	µg/L	9.5 U	9.4 U	9.4 U	9.5 U	9.5 U
2,4-Dinitrophenol	µg/L	48 U	47 U	47 U	48 U	48 U
2,4-Dinitrotoluene	µg/L	9.5 U	9.4 U	9.4 U	9.5 U	9.5 U
2,6-Dinitrotoluene	µg/L	9.5 U	9.4 U	9.4 U	9.5 U	9.5 U
2-Chloronaphthalene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
2-Chlorophenol	µg/L	9.5 U	9.4 U	9.4 U	9.5 U	9.5 U
2-Methylnaphthalene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
2-Methylphenol	µg/L	9.5 U	9.4 U	9.4 U	9.5 U	9.5 U
2-Nitroaniline	µg/L	48 U	47 U	47 U	48 U	48 U
2-Nitrophenol	µg/L	9.5 U	9.4 U	9.4 U	9.5 U	9.5 U
3,3'-Dichlorobenzidine	µg/L	9.5 U	9.4 U	9.4 U	9.5 U	9.5 U
3-Nitroaniline	µg/L	48 U	47 U	47 U	48 U	48 U
4,6-Dinitro-2-methylphenol	µg/L	48 U	47 U	47 U	48 U	48 U
4-Bromophenyl phenyl ether	µg/L	9.5 U	9.4 U	9.4 U	9.5 U	9.5 U
4-Chloro-3-methylphenol	µg/L	9.5 U	9.4 U	9.4 U	9.5 U	9.5 U
4-Chloroaniline	µg/L	9.5 U	9.4 U	9.4 U	9.5 U	9.5 U
4-Chlorophenyl phenyl ether	µg/L	9.5 U	9.4 U	9.4 U	9.5 U	9.5 U
4-Methylphenol	µg/L	9.5 U	9.4 U	9.4 U	9.5 U	9.5 U
4-Nitroaniline	µg/L	48 U	47 U	47 U	48 U	48 U
4-Nitrophenol	µg/L	48 U	47 U	47 U	48 U	48 U
Acenaphthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Acenaphthylene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Anthracene	µg/L	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	1.9 U	1.9 U	1.9 U
Benzo(a)pyrene	µg/L	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	1.9 U	1.9 U	1.9 U
Benzo(g,h,i)perylene	µg/L	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	1.9 U	1.9 U	1.9 U
Benzoic acid	µg/L	48 U	47 U	47 U	48 U	48 U
Benzyl alcohol	µg/L	9.5 U	9.4 U	9.4 U	9.5 U	9.5 U

TABLE 3.2

2014 ANALYTICAL RESULTS SUMMARY-OVERBURDEN
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

	Sample Location:	*8106*	*8115*	*8115*	*8125*	*9105*
	Sample ID:	*WG-9954-062314-SG-006*	*WG-9954-061314-SG-013*	*WG-9954-061314-SG-014*	*WG-9954-061014-SG-008*	*WG-9954-061014-SG-009*
	Sample Date:	*6/23/2014*	*6/13/2014*	*6/13/2014 (Duplicate)*	*6/10/2014*	*6/10/2014*
Parameters	***Units***					
Semi-volatile Organic Compounds-Continued						
bis(2-Chloroethoxy)methane	µg/L	9.5 U	9.4 U	9.4 U	9.5 U	9.5 U
bis(2-Chloroethyl)ether	µg/L	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	19 U	19 U	19 U
Butyl benzylphthalate (BBP)	µg/L	9.5 U	9.4 U	9.4 U	9.5 U	9.5 U
Chrysene	µg/L	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	1.9 U	1.9 U	1.9 U
Dibenzofuran	µg/L	9.5 U	9.4 U	9.4 U	9.5 U	9.5 U
Diethyl phthalate	µg/L	9.5 U	9.4 U	9.4 U	9.5 U	9.5 U
Dimethyl phthalate	µg/L	9.5 U	9.4 U	9.4 U	9.5 U	9.5 U
Di-n-butylphthalate (DBP)	µg/L	9.5 U	9.4 U	9.4 U	9.5 U	9.5 U
Di-n-octyl phthalate (DnOP)	µg/L	9.5 U	9.4 U	9.4 U	9.5 U	9.5 U
Fluoranthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Fluorene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Hexachlorobenzene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Hexachlorobutadiene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Hexachlorocyclopentadiene	µg/L	9.5 U	9.4 U	9.4 U	9.5 U	9.5 U
Hexachloroethane	µg/L	9.5 U	9.4 U	9.4 U	9.5 U	9.5 U
Indeno(1,2,3-cd)pyrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Isophorone	µg/L	9.5 U	9.4 U	9.4 U	9.5 U	9.5 U
Naphthalene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Nitrobenzene	µg/L	19 U	19 U	19 U	19 U	19 U
N-Nitrosodi-n-propylamine	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
N-Nitrosodiphenylamine	µg/L	9.5 U	9.4 U	9.4 U	9.5 U	9.5 U
Pentachlorophenol	µg/L	9.5 U	9.4 U	9.4 U	9.5 U	9.5 U
Phenanthrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Phenol	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Pyrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Discrete Compounds Detected:		0	0	0	0	0

TABLE 3.2

2014 ANALYTICAL RESULTS SUMMARY-OVERBURDEN
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

	Sample Location:	***8106***	***8115***	***8115***	***8125***	***9105***
	Sample ID:	***WG-9954-062314-SG-006***	***WG-9954-061314-SG-013***	***WG-9954-061314-SG-014***	***WG-9954-061014-SG-008***	***WG-9954-061014-SG-009***
	Sample Date:	***6/23/2014***	***6/13/2014***	***6/13/2014 (Duplicate)***	***6/10/2014***	***6/10/2014***
Parameters	***Units***					
Polychlorinated Biphenyls (PCBs)						
Aroclor-1016 (PCB-1016)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1221 (PCB-1221)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1232 (PCB-1232)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1242 (PCB-1242)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1248 (PCB-1248)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1254 (PCB-1254)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1260 (PCB-1260)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Discrete Compounds Detected:		0	0	0	0	0
Pesticides						
4,4'-DDD	µg/L	0.047 U	0.047 U	0.047 U	0.048 U	0.047 U
4,4'-DDE	µg/L	0.047 U	0.047 U	0.047 U	0.048 U	0.047 U
4,4'-DDT	µg/L	0.047 U	0.047 U	0.047 U	0.048 U	0.047 U
Aldrin	µg/L	0.047 U	0.047 U	0.047 U	0.048 U	0.047 U
alpha-BHC	µg/L	0.047 U	0.047 U	0.047 U	0.048 U	0.047 U
alpha-Chlordane	µg/L	0.047 U	0.047 U	0.047 U	0.048 U	0.047 U
beta-BHC	µg/L	0.047 U	0.047 U	0.047 U	0.048 U	0.047 U
delta-BHC	µg/L	0.047 U	0.047 U	0.047 U	0.048 U	0.047 U
Dieldrin	µg/L	0.047 U	0.047 U	0.047 U	0.048 U	0.047 U
Endosulfan I	µg/L	0.047 U	0.047 U	0.047 U	0.048 U	0.047 U
Endosulfan II	µg/L	0.047 U	0.047 U	0.047 U	0.048 U	0.047 U
Endosulfan sulfate	µg/L	0.047 U	0.047 U	0.047 U	0.048 U	0.047 U
Endrin	µg/L	0.047 U	0.047 U	0.047 U	0.048 U	0.047 U
Endrin ketone	µg/L	0.047 U	0.047 U	0.047 U	0.048 U	0.047 U
gamma-BHC (lindane)	µg/L	0.047 U	0.047 U	0.047 U	0.048 U	0.047 U
gamma-Chlordane	µg/L	0.047 U	0.047 U	0.047 U	0.048 U	0.047 U
Heptachlor	µg/L	0.047 U	0.047 U	0.047 U	0.048 U	0.047 U
Heptachlor epoxide	µg/L	0.047 U	0.047 U	0.047 U	0.048 U	0.047 U
Methoxychlor	µg/L	0.094 U	0.094 U	0.094 U	0.096 U	0.094 U
Toxaphene	µg/L	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U
Discrete Compounds Detected:		0	0	0	0	0

Notes:

J - Estimated concentration.
U - Not detected at the associated reporting limit.
UJ - Not detected; associated reporting limit is estimated.

TABLE 3.2

2014 ANALYTICAL RESULTS SUMMARY-OVERBURDEN
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

	Sample Location:	***9113***	***9118***	***10135***	***10178A***
	Sample ID:	***WG-9954-062314-SG-010***	***WG-9954-070914-SG-037***	***WG-9954-061314-SG-015***	***WG-9954-070914-SG-034***
	Sample Date:	***6/23/2014***	***7/9/2014***	***6/13/2014***	***7/8/2014***
Parameters	***Units***				
Volatile Organic Compounds					
1,1,1-Trichloroethane	µg/L	5.0 U	5.0 U	630 U	5.0 U
1,1,2,2-Tetrachloroethane	µg/L	5.0 U	5.0 U	630 U	5.0 U
1,1,2-Trichloroethane	µg/L	5.0 U	5.0 U	630 U	5.0 U
1,1-Dichloroethane	µg/L	5.0 U	5.0 U	630 U	5.0 U
1,1-Dichloroethene	µg/L	5.0 U	5.0 U	630 U	5.0 U
1,2-Dichloroethane	µg/L	5.0 U	5.0 U	630 U	5.0 U
1,2-Dichloropropane	µg/L	5.0 U	5.0 U	630 U	5.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	5.0 U	5.0 U	630 U	5.0 U
2-Hexanone	µg/L	5.0 U	5.0 U	630 U	5.0 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	5.0 U	5.0 U	630 U	5.0 U
Acetone	µg/L	20 U	20 UJ	2500 UJ	20 UJ
Benzene	µg/L	5.0 U	5.0 U	6100	5.0 U
Bromodichloromethane	µg/L	5.0 U	5.0 U	630 U	5.0 U
Bromoform	µg/L	5.0 U	5.0 U	630 U	5.0 U
Bromomethane (Methyl bromide)	µg/L	5.0 U	5.0 U	630 U	5.0 U
Carbon disulfide	µg/L	5.0 U	5.0 U	630 UJ	5.0 U
Carbon tetrachloride	µg/L	5.0 U	5.0 U	630 U	5.0 U
Chlorobenzene	µg/L	5.0 U	5.0 U	2300	5.0 U
Chloroethane	µg/L	5.0 UJ	5.0 U	630 U	5.0 U
Chloroform (Trichloromethane)	µg/L	5.0 U	5.0 U	630 U	5.0 U
Chloromethane (Methyl chloride)	µg/L	5.0 U	5.0 U	630 U	5.0 U
ethylbenzene	µg/L	5.0 U	5.0 U	630 U	5.0 U
cis-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	630 U	5.0 U
Dibromochloromethane	µg/L	5.0 U	5.0 U	630 U	5.0 U
Ethylbenzene	µg/L	5.0 U	5.0 U	630 U	5.0 U
Methylene chloride	µg/L	5.0 U	5.0 U	630 UJ	5.0 U
Styrene	µg/L	5.0 U	5.0 U	630 U	5.0 U
Tetrachloroethene	µg/L	5.0 U	5.0 U	630 U	5.0 U
Toluene	µg/L	5.0 U	5.0 U	20000	5.0 U
trans-1,2-Dichloroethene	µg/L	5.0 U	5.0 U	630 U	5.0 U
trans-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	630 U	5.0 U
Trichloroethene	µg/L	5.0 U	5.0 U	630 U	5.0 U
Vinyl acetate	µg/L	5.0 U	5.0 UJ	630 UJ	5.0 UJ
Vinyl chloride	µg/L	5.0 U	5.0 U	630 U	5.0 U
Xylenes (total)	µg/L	10 U	10 U	1300 U	10 U
Discrete Compounds Detected:		0	0	3	0

TABLE 3.2

2014 ANALYTICAL RESULTS SUMMARY-OVERBURDEN
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

	Sample Location:	***9113***	***9118***	***10135***	***10178A***
	Sample ID:	***WG-9954-062314-SG-010***	***WG-9954-070914-SG-037***	***WG-9954-061314-SG-015***	***WG-9954-070914-SG-034***
	Sample Date:	***6/23/2014***	***7/9/2014***	***6/13/2014***	***7/8/2014***
Parameters	***Units***				
Semi-volatile Organic Compounds					
1,2,4-Trichlorobenzene	µg/L	9.4 U	9.6 U	64 J	9.4 U
1,2-Dichlorobenzene	µg/L	9.4 U	9.6 U	34 J	9.4 U
1,3-Dichlorobenzene	µg/L	9.4 U	9.6 U	190 U	9.4 U
1,4-Dichlorobenzene	µg/L	9.4 U	9.6 U	94 J	9.4 U
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	µg/L	1.9 U	1.9 U	38 U	1.9 U
2,4,5-Trichlorophenol	µg/L	9.4 U	9.6 U	190 U	9.4 U
2,4,6-Trichlorophenol	µg/L	9.4 U	9.6 U	190 U	9.4 U
2,4-Dichlorophenol	µg/L	1.9 U	1.9 U	660	1.9 U
2,4-Dimethylphenol	µg/L	9.4 U	9.6 U	190 U	9.4 U
2,4-Dinitrophenol	µg/L	47 U	48 U	940 U	47 U
2,4-Dinitrotoluene	µg/L	9.4 U	9.6 U	190 U	9.4 U
2,6-Dinitrotoluene	µg/L	9.4 U	9.6 U	190 U	9.4 U
2-Chloronaphthalene	µg/L	1.9 U	1.9 U	38 U	1.9 U
2-Chlorophenol	µg/L	9.4 U	9.6 U	190 U	9.4 U
2-Methylnaphthalene	µg/L	1.9 U	1.9 U	38 U	1.9 U
2-Methylphenol	µg/L	9.4 U	9.6 U	23 J	9.4 U
2-Nitroaniline	µg/L	47 U	48 U	940 U	47 U
2-Nitrophenol	µg/L	9.4 U	9.6 U	190 U	9.4 U
3,3'-Dichlorobenzidine	µg/L	9.4 U	9.6 U	190 U	9.4 U
3-Nitroaniline	µg/L	47 U	48 U	940 U	47 U
4,6-Dinitro-2-methylphenol	µg/L	47 U	48 U	940 U	47 U
4-Bromophenyl phenyl ether	µg/L	9.4 U	9.6 U	190 U	9.4 U
4-Chloro-3-methylphenol	µg/L	9.4 U	9.6 U	190 U	9.4 U
4-Chloroaniline	µg/L	9.4 U	9.6 U	190 U	9.4 U
4-Chlorophenyl phenyl ether	µg/L	9.4 U	9.6 U	190 U	9.4 U
4-Methylphenol	µg/L	9.4 U	9.6 U	53 J	9.4 U
4-Nitroaniline	µg/L	47 U	48 U	940 U	47 U
4-Nitrophenol	µg/L	47 U	48 U	940 U	47 U
Acenaphthene	µg/L	1.9 U	1.9 U	38 U	1.9 U
Acenaphthylene	µg/L	1.9 U	1.9 U	38 U	1.9 U
Anthracene	µg/L	1.9 U	1.9 U	38 U	1.9 U
Benzo(a)anthracene	µg/L	1.9 U	1.9 U	38 U	1.9 U
Benzo(a)pyrene	µg/L	1.9 U	1.9 U	38 U	1.9 U
Benzo(b)fluoranthene	µg/L	1.9 U	1.9 U	38 U	1.9 U
Benzo(g,h,i)perylene	µg/L	1.9 U	1.9 U	38 U	1.9 U
Benzo(k)fluoranthene	µg/L	1.9 U	1.9 U	38 U	1.9 U
Benzoic acid	µg/L	47 U	48 UJ	14000	47 U
Benzyl alcohol	µg/L	9.4 U	9.6 U	290	9.4 U

TABLE 3.2

2014 ANALYTICAL RESULTS SUMMARY-OVERBURDEN
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

	Sample Location:	***9113***	***9118***	***10135***	***10178A***
	Sample ID:	***WG-9954-062314-SG-010***	***WG-9954-070914-SG-037***	***WG-9954-061314-SG-015***	***WG-9954-070914-SG-034***
	Sample Date:	***6/23/2014***	***7/9/2014***	***6/13/2014***	***7/8/2014***
Parameters	***Units***				
Semi-volatile Organic Compounds-Continued					
bis(2-Chloroethoxy)methane	µg/L	9.4 U	9.6 U	190 U	9.4 U
bis(2-Chloroethyl)ether	µg/L	1.9 U	1.9 U	19 J	1.9 U
bis(2-Ethylhexyl)phthalate (DEHP)	µg/L	19 U	19 U	380 U	19 U
Butyl benzylphthalate (BBP)	µg/L	9.4 U	9.6 U	190 U	9.4 U
Chrysene	µg/L	1.9 U	1.9 U	38 U	1.9 U
Dibenz(a,h)anthracene	µg/L	1.9 U	1.9 U	38 U	1.9 U
Dibenzofuran	µg/L	9.4 U	9.6 U	190 U	9.4 U
Diethyl phthalate	µg/L	9.4 U	9.6 U	190 U	9.4 U
Dimethyl phthalate	µg/L	9.4 U	9.6 U	190 U	9.4 U
Di-n-butylphthalate (DBP)	µg/L	9.4 U	9.6 U	190 U	9.4 U
Di-n-octyl phthalate (DnOP)	µg/L	9.4 U	9.6 U	190 U	9.4 U
Fluoranthene	µg/L	1.9 U	1.9 U	38 U	1.9 U
Fluorene	µg/L	1.9 U	1.9 U	38 U	1.9 U
Hexachlorobenzene	µg/L	1.9 U	1.9 U	38 U	1.9 U
Hexachlorobutadiene	µg/L	1.9 U	1.9 U	38 U	1.9 U
Hexachlorocyclopentadiene	µg/L	9.4 U	9.6 U	190 U	9.4 U
Hexachloroethane	µg/L	9.4 U	9.6 U	190 U	9.4 U
Indeno(1,2,3-cd)pyrene	µg/L	1.9 U	1.9 U	38 U	1.9 U
Isophorone	µg/L	9.4 U	9.6 U	190 U	9.4 U
Naphthalene	µg/L	1.9 U	1.9 U	38 U	1.9 U
Nitrobenzene	µg/L	19 U	19 U	380 U	19 U
N-Nitrosodi-n-propylamine	µg/L	1.9 U	1.9 U	38 U	1.9 U
N-Nitrosodiphenylamine	µg/L	9.4 U	9.6 U	190 U	9.4 U
Pentachlorophenol	µg/L	9.4 U	9.6 U	190 U	9.4 U
Phenanthrene	µg/L	1.9 U	1.9 U	38 U	1.9 U
Phenol	µg/L	1.9 U	1.9 U	62	1.9 U
Pyrene	µg/L	1.9 U	1.9 U	38 U	1.9 U
Discrete Compounds Detected:		0	0	10	0

TABLE 3.2

2014 ANALYTICAL RESULTS SUMMARY-OVERBURDEN
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

	Sample Location:	***9113***	***9118***	***10135***	***10178A***
	Sample ID:	***WG-9954-062314-SG-010***	***WG-9954-070914-SG-037***	***WG-9954-061314-SG-015***	***WG-9954-070914-SG-034***
	Sample Date:	***6/23/2014***	***7/9/2014***	***6/13/2014***	***7/8/2014***
Parameters	***Units***				
Polychlorinated Biphenyls (PCBs)					
Aroclor-1016 (PCB-1016)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1221 (PCB-1221)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1232 (PCB-1232)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1242 (PCB-1242)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1248 (PCB-1248)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1254 (PCB-1254)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1260 (PCB-1260)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U
Discrete Compounds Detected:		0	0	0	0
Pesticides					
4,4'-DDD	µg/L	0.047 U	0.047 U	0.047 U	0.048 U
4,4'-DDE	µg/L	0.047 U	0.047 U	0.047 U	0.048 U
4,4'-DDT	µg/L	0.047 U	0.047 U	0.24 U	0.048 U
Aldrin	µg/L	0.047 U	0.047 U	0.060 J	0.048 U
alpha-BHC	µg/L	0.047 U	0.047 U	21 J	0.048 U
alpha-Chlordane	µg/L	0.047 U	0.047 U	0.047 U	0.048 U
beta-BHC	µg/L	0.047 U	0.047 U	5.3 J	0.048 U
delta-BHC	µg/L	0.047 U	0.047 U	4.8 J	0.048 U
Dieldrin	µg/L	0.047 U	0.047 U	0.047 U	0.048 U
Endosulfan I	µg/L	0.047 U	0.047 U	0.047 U	0.048 U
Endosulfan II	µg/L	0.047 U	0.047 U	0.12 J	0.048 U
Endosulfan sulfate	µg/L	0.047 U	0.047 U	0.047 U	0.048 U
Endrin	µg/L	0.047 U	0.047 U	0.047 U	0.048 U
Endrin ketone	µg/L	0.047 U	0.047 U	0.067 J	0.048 U
gamma-BHC (lindane)	µg/L	0.047 U	0.047 U	4.3 J	0.048 U
gamma-Chlordane	µg/L	0.047 U	0.047 U	0.064 J	0.048 U
Heptachlor	µg/L	0.047 U	0.047 U	0.23 J	0.048 U
Heptachlor epoxide	µg/L	0.047 U	0.047 U	0.23 J	0.048 U
Methoxychlor	µg/L	0.094 U	0.094 U	0.47 U	0.095 U
Toxaphene	µg/L	3.8 U	3.8 U	3.8 U	3.8 U
Discrete Compounds Detected:		0	0	10	0

Notes:

J - Estimated concentration.
U - Not detected at the associated reporting limit.
UJ - Not detected; associated reporting limit is estimated.

TABLE 3.3

2014 ANALYTICAL RESULTS SUMMARY-BEDROCK
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

Sample Location:		***3257***	***5221***	***6209***	***7205***	***8210***
Sample ID:		***WG-9954-061314-SG-007***	***WG-9954-070814-SG-029***	***WG-9954-070914-SG-035***	***WG-9954-070914-SG-036***	***WG-9954-070814-SG-031***
Sample Date:		***6/13/2014***	***7/8/2014***	***7/9/2014***	***7/9/2014***	***7/8/2014***
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
1,1,2,2-Tetrachloroethane	µg/L	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
1,1-Dichloroethane	µg/L	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
1,2-Dichloroethane	µg/L	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
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	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
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
Acetone	µg/L	20 UJ	5.2 J	20 UJ	20 UJ	20 U
Benzene	µg/L	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
Bromoform	µg/L	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
Carbon disulfide	µg/L	1.7 J	5.0 U	5.0 U	1.2 J	1.2 J
Carbon tetrachloride	µg/L	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
Chloroethane	µg/L	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
Chloromethane (Methyl chloride)	µg/L	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
cis-1,3-Dichloropropene	µg/L	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
Ethylbenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	µg/L	5.0 UJ	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
Tetrachloroethene	µg/L	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
trans-1,2-Dichloroethene	µg/L	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
Trichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Vinyl acetate	µg/L	5.0 UJ	5.0 U	5.0 UJ	5.0 UJ	5.0 U
Vinyl chloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Xylenes (total)	µg/L	10 U	10 U	10 U	10 U	10 U
Discrete Compounds Detected:		1	1	0	1	1

TABLE 3.3

2014 ANALYTICAL RESULTS SUMMARY-BEDROCK
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

Sample Location:		***3257***	***5221***	***6209***	***7205***	***8210***
Sample ID:		***WG-9954-061314-SG-007***	***WG-9954-070814-SG-029***	***WG-9954-070914-SG-035***	***WG-9954-070914-SG-036***	***WG-9954-070814-SG-031***
Sample Date:		***6/13/2014***	***7/8/2014***	***7/9/2014***	***7/9/2014***	***7/8/2014***
Parameters	***Units***					
Semi-volatile Organic Compounds						
1,2,4-Trichlorobenzene	µg/L	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U
1,2-Dichlorobenzene	µg/L	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U
1,3-Dichlorobenzene	µg/L	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U
1,4-Dichlorobenzene	µg/L	9.4 U	9.5 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	1.9 U	1.9 U	1.9 U
2,4,5-Trichlorophenol	µg/L	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U
2,4,6-Trichlorophenol	µg/L	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U
2,4-Dichlorophenol	µg/L	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	9.4 U	9.5 U	9.4 U
2,4-Dinitrophenol	µg/L	47 U	48 U	47 U	48 U	47 U
2,4-Dinitrotoluene	µg/L	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U
2,6-Dinitrotoluene	µg/L	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U
2-Chloronaphthalene	µg/L	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	9.4 U	9.5 U	9.4 U
2-Methylnaphthalene	µg/L	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	9.4 U	9.5 U	9.4 U
2-Nitroaniline	µg/L	47 U	48 U	47 U	48 U	47 U
2-Nitrophenol	µg/L	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U
3,3'-Dichlorobenzidine	µg/L	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U
3-Nitroaniline	µg/L	47 U	48 U	47 U	48 U	47 U
4,6-Dinitro-2-methylphenol	µg/L	47 U	48 U	47 U	48 U	47 U
4-Bromophenyl phenyl ether	µg/L	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U
4-Chloro-3-methylphenol	µg/L	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U
4-Chloroaniline	µg/L	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U
4-Chlorophenyl phenyl ether	µg/L	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U
4-Methylphenol	µg/L	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U
4-Nitroaniline	µg/L	47 U	48 U	47 U	48 U	47 U
4-Nitrophenol	µg/L	47 U	48 U	47 U	48 U	47 U
Acenaphthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Acenaphthylene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Anthracene	µg/L	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	1.9 U	1.9 U	1.9 U
Benzo(a)pyrene	µg/L	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	1.9 U	1.9 U	1.9 U
Benzo(g,h,i)perylene	µg/L	1.9 U	1.9 U	1.9 UJ	1.9 UJ	1.9 U
Benzo(k)fluoranthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Benzoic acid	µg/L	47 U	48 U	47 UJ	48 U	47 U
Benzyl alcohol	µg/L	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U
bis(2-Chloroethoxy)methane	µg/L	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U
bis(2-Chloroethyl)ether	µg/L	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	19 U	19 U	19 U
Butyl benzylphthalate (BBP)	µg/L	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U

TABLE 3.3

2014 ANALYTICAL RESULTS SUMMARY-BEDROCK
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

Sample Location:		***3257***	***5221***	***6209***	***7205***	***8210***
Sample ID:		***WG-9954-061314-SG-007***	***WG-9954-070814-SG-029***	***WG-9954-070914-SG-035***	***WG-9954-070914-SG-036***	***WG-9954-070814-SG-031***
Sample Date:		***6/13/2014***	***7/8/2014***	***7/9/2014***	***7/9/2014***	***7/8/2014***
Parameters	***Units***					
Semi-volatile Organic Compounds-Continued						
Chrysene	µg/L	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	1.9 U	1.9 U	1.9 U
Dibenzofuran	µg/L	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U
Diethyl phthalate	µg/L	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U
Dimethyl phthalate	µg/L	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U
Di-n-butylphthalate (DBP)	µg/L	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U
Di-n-octyl phthalate (DnOP)	µg/L	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U
Fluoranthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Fluorene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Hexachlorobenzene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Hexachlorobutadiene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Hexachlorocyclopentadiene	µg/L	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U
Hexachloroethane	µg/L	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U
Indeno(1,2,3-cd)pyrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Isophorone	µg/L	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U
Naphthalene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Nitrobenzene	µg/L	19 U	19 U	19 U	19 U	19 U
N-Nitrosodi-n-propylamine	µg/L	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	9.4 U	9.5 U	9.4 U
Pentachlorophenol	µg/L	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U
Phenanthrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Phenol	µg/L	1.9 U	1.9 U	1.9 UJ	1.9 U	1.9 U
Pyrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Discrete Compounds Detected:		0	0	0	0	0
Polychlorinated Biphenyls (PCBs)						
Aroclor-1016 (PCB-1016)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1221 (PCB-1221)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1232 (PCB-1232)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1242 (PCB-1242)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1248 (PCB-1248)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1254 (PCB-1254)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1260 (PCB-1260)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Discrete Compounds Detected:		0	0	0	0	0

TABLE 3.3

2014 ANALYTICAL RESULTS SUMMARY-BEDROCK
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

	Sample Location:	***3257***	***5221***	***6209***	***7205***	***8210***
	Sample ID:	***WG-9954-061314-SG-007***	***WG-9954-070814-SG-029***	***WG-9954-070914-SG-035***	***WG-9954-070914-SG-036***	***WG-9954-070814-SG-031***
	Sample Date:	***6/13/2014***	***7/8/2014***	***7/9/2014***	***7/9/2014***	***7/8/2014***
Parameters	***Units***					
Pesticides						
4,4'-DDD	µg/L	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
4,4'-DDE	µg/L	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
4,4'-DDT	µg/L	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
Aldrin	µg/L	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
alpha-BHC	µg/L	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
alpha-Chlordane	µg/L	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
beta-BHC	µg/L	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
delta-BHC	µg/L	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
Dieldrin	µg/L	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
Endosulfan I	µg/L	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
Endosulfan II	µg/L	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
Endosulfan sulfate	µg/L	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
Endrin	µg/L	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
Endrin ketone	µg/L	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
gamma-BHC (lindane)	µg/L	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
gamma-Chlordane	µg/L	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
Heptachlor	µg/L	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
Heptachlor epoxide	µg/L	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
Methoxychlor	µg/L	0.094 U	0.094 U	0.094 U	0.094 U	0.094 U
Toxaphene	µg/L	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U
Discrete Compounds Detected:		0	0	0	0	0

Notes:

J - Estimated concentration.
U - Not detected at the associated reporting limit.
UJ - Not detected; associated reporting limit is estimated.

TABLE 3.3

2014 ANALYTICAL RESULTS SUMMARY-BEDROCK
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

Sample Location:	***9205***	***9210***	***10205***	***10210A***	***10210B***
Sample ID:	***WG-9954-070814-SG-030***	***WG-9954-062614-SG-021***	***WG-9954-062614-SG-022***	***WG-9954-062714-SG-026***	***WG-9954-062614-SG-023***
Sample Date:	***7/8/2014***	***6/26/2014***	***6/26/2014***	***6/27/2014***	***6/26/2014***
Parameters					
Volatile Organic Compounds					
1,1,1-Trichloroethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloropropane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Hexanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	20 U	20 U	20 U	20 UJ	20 U
Benzene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromodichloromethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromoform	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon disulfide	5.0 U	5.0 U	1.6 J	5.0 U	2.9 J
Carbon tetrachloride	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroethane	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ
Chloroform (Trichloromethane)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloromethane (Methyl chloride)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,3-Dichloropropene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Toluene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,2-Dichloroethene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,3-Dichloropropene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Vinyl acetate	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Vinyl chloride	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Xylenes (total)	10 U	10 U	10 U	10 U	10 U
Discrete Compounds Detected:	0	0	1	0	1

TABLE 3.3

2014 ANALYTICAL RESULTS SUMMARY-BEDROCK
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

Sample Location:	*9205*	*9210*	*10205*	*10210A*	*10210B*
Sample ID:	*WG-9954-070814-SG-030*	*WG-9954-062614-SG-021*	*WG-9954-062614-SG-022*	*WG-9954-062714-SG-026*	*WG-9954-062614-SG-023*
Sample Date:	*7/8/2014*	*6/26/2014*	*6/26/2014*	*6/27/2014*	*6/26/2014*
Parameters					
Semi-volatile Organic Compounds					
1,2,4-Trichlorobenzene	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
1,2-Dichlorobenzene	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
1,3-Dichlorobenzene	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
1,4-Dichlorobenzene	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
2,4,5-Trichlorophenol	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
2,4,6-Trichlorophenol	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
2,4-Dichlorophenol	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
2,4-Dimethylphenol	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
2,4-Dinitrophenol	47 U	47 U	47 U	47 U	47 U
2,4-Dinitrotoluene	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
2,6-Dinitrotoluene	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
2-Chloronaphthalene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
2-Chlorophenol	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
2-Methylnaphthalene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
2-Methylphenol	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
2-Nitroaniline	47 U	47 U	47 U	47 U	47 U
2-Nitrophenol	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
3,3'-Dichlorobenzidine	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
3-Nitroaniline	47 U	47 U	47 U	47 U	47 U
4,6-Dinitro-2-methylphenol	47 U	47 U	47 U	47 U	47 U
4-Bromophenyl phenyl ether	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
4-Chloro-3-methylphenol	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
4-Chloroaniline	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
4-Chlorophenyl phenyl ether	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
4-Methylphenol	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
4-Nitroaniline	47 U	47 U	47 U	47 U	47 U
4-Nitrophenol	47 U	47 U	47 U	47 U	47 U
Acenaphthene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Acenaphthylene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Anthracene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(a)anthracene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(a)pyrene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(b)fluoranthene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(g,h,i)perylene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(k)fluoranthene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Benzoic acid	47 U	47 U	47 U	47 U	47 U
Benzyl alcohol	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
bis(2-Chloroethoxy)methane	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
bis(2-Chloroethyl)ether	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
bis(2-Ethylhexyl)phthalate (DEHP)	19 U	19 U	19 U	19 U	19 U
Butyl benzylphthalate (BBP)	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U

TABLE 3.3

2014 ANALYTICAL RESULTS SUMMARY-BEDROCK
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

Sample Location:	*9205*	*9210*	*10205*	*10210A*	*10210B*
Sample ID:	*WG-9954-070814-SG-030*	*WG-9954-062614-SG-021*	*WG-9954-062614-SG-022*	*WG-9954-062714-SG-026*	*WG-9954-062614-SG-023*
Sample Date:	*7/8/2014*	*6/26/2014*	*6/26/2014*	*6/27/2014*	*6/26/2014*
Parameters					
Semi-volatile Organic Compounds-Continued					
Chrysene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Dibenz(a,h)anthracene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Dibenzofuran	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Diethyl phthalate	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Dimethyl phthalate	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Di-n-butylphthalate (DBP)	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Di-n-octyl phthalate (DnOP)	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Fluoranthene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Fluorene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Hexachlorobenzene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Hexachlorobutadiene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Hexachlorocyclopentadiene	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Hexachloroethane	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Indeno(1,2,3-cd)pyrene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Isophorone	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Naphthalene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Nitrobenzene	19 U	19 U	19 U	19 U	19 U
N-Nitrosodi-n-propylamine	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
N-Nitrosodiphenylamine	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Pentachlorophenol	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Phenanthrene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Phenol	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Pyrene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Discrete Compounds Detected:	0	0	0	0	0
Polychlorinated Biphenyls (PCBs)					
Aroclor-1016 (PCB-1016)	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1221 (PCB-1221)	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1232 (PCB-1232)	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1242 (PCB-1242)	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1248 (PCB-1248)	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1254 (PCB-1254)	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1260 (PCB-1260)	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Discrete Compounds Detected:	0	0	0	0	0

TABLE 3.3

2014 ANALYTICAL RESULTS SUMMARY-BEDROCK
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

	Sample Location:	*9205*	*9210*	*10205*	*10210A*	*10210B*
	Sample ID:	*WG-9954-070814-SG-030*	*WG-9954-062614-SG-021*	*WG-9954-062614-SG-022*	*WG-9954-062714-SG-026*	*WG-9954-062614-SG-023*
	Sample Date:	*7/8/2014*	*6/26/2014*	*6/26/2014*	*6/27/2014*	*6/26/2014*
Parameters						
Pesticides						
4,4'-DDD		0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
4,4'-DDE		0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
4,4'-DDT		0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
Aldrin		0.047 U	0.031 J	0.047 U	0.047 U	0.047 U
alpha-BHC		0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
alpha-Chlordane		0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
beta-BHC		0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
delta-BHC		0.054 U	0.047 U	0.047 U	0.047 U	0.047 U
Dieldrin		0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
Endosulfan I		0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
Endosulfan II		0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
Endosulfan sulfate		0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
Endrin		0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
Endrin ketone		0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
gamma-BHC (lindane)		0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
gamma-Chlordane		0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
Heptachlor		0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
Heptachlor epoxide		0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
Methoxychlor		0.094 U	0.094 U	0.094 U	0.094 U	0.094 U
Toxaphene		3.8 U	3.8 U	3.8 U	3.8 U	3.8 U
	Discrete Compounds Detected:	0	1	0	0	0

Notes:

J - Estimated concentration.
U - Not detected at the associated reporting limit.
UJ - Not detected; associated reporting limit is estimated.

TABLE 3.3

2014 ANALYTICAL RESULTS SUMMARY-BEDROCK
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

Sample Location:	***10210C***	***10215***	***10215***	***10225A***	***10225B***
Sample ID:	***WG-9954-062614-SG-024***	***WG-9954-070814-SG-032***	***WG-9954-070814-SG-033***	***WG-9954-062714-SG-028***	***WG-9954-062714-SG-027***
Sample Date:	***6/26/2014***	***7/8/2014***	***7/8/2014 (Duplicate)***	***6/27/2014***	***6/27/2014***
Parameters					
Volatile Organic Compounds					
1,1,1-Trichloroethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloropropane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Hexanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	20 U	20 U	20 U	20 UJ	20 U
Benzene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromodichloromethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromoform	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon disulfide	5.0 U	2.2 J	1.4 J	5.0 U	2.4 J
Carbon tetrachloride	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroethane	5.0 UJ	5.0 U	5.0 U	5.0 UJ	5.0 UJ
Chloroform (Trichloromethane)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloromethane (Methyl chloride)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,3-Dichloropropene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Toluene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,2-Dichloroethene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,3-Dichloropropene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Vinyl acetate	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Vinyl chloride	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Xylenes (total)	10 U	10 U	10 U	10 U	10 U
Discrete Compounds Detected:	0	1	1	0	1

2014 ANALYTICAL RESULTS SUMMARY-BEDROCK
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

Sample Location:	*10210C*	*10215*	*10215*	*10225A*	*10225B*
Sample ID:	*WG-9954-062614-SG-024*	*WG-9954-070814-SG-032*	*WG-9954-070814-SG-033*	*WG-9954-062714-SG-028*	*WG-9954-062714-SG-027*
Sample Date:	*6/26/2014*	*7/8/2014*	*7/8/2014 (Duplicate)*	*6/27/2014*	*6/27/2014*
Parameters					
Semi-volatile Organic Compounds					
1,2,4-Trichlorobenzene	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
1,2-Dichlorobenzene	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
1,3-Dichlorobenzene	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
1,4-Dichlorobenzene	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
2,4,5-Trichlorophenol	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
2,4,6-Trichlorophenol	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
2,4-Dichlorophenol	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
2,4-Dimethylphenol	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
2,4-Dinitrophenol	47 U	47 U	47 U	47 U	47 U
2,4-Dinitrotoluene	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
2,6-Dinitrotoluene	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
2-Chloronaphthalene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
2-Chlorophenol	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
2-Methylnaphthalene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
2-Methylphenol	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
2-Nitroaniline	47 U	47 U	47 U	47 U	47 U
2-Nitrophenol	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
3,3'-Dichlorobenzidine	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
3-Nitroaniline	47 U	47 U	47 U	47 U	47 U
4,6-Dinitro-2-methylphenol	47 U	47 U	47 U	47 U	47 U
4-Bromophenyl phenyl ether	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
4-Chloro-3-methylphenol	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
4-Chloroaniline	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
4-Chlorophenyl phenyl ether	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
4-Methylphenol	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
4-Nitroaniline	47 U	47 U	47 U	47 U	47 U
4-Nitrophenol	47 U	47 U	47 U	47 U	47 U
Acenaphthene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Acenaphthylene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Anthracene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(a)anthracene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(a)pyrene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(b)fluoranthene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(g,h,i)perylene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(k)fluoranthene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Benzoic acid	47 U	47 U	47 U	47 U	47 U
Benzyl alcohol	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
bis(2-Chloroethoxy)methane	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
bis(2-Chloroethyl)ether	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
bis(2-Ethylhexyl)phthalate (DEHP)	19 U	19 U	19 U	19 U	19 U
Butyl benzylphthalate (BBP)	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U

TABLE 3.3

2014 ANALYTICAL RESULTS SUMMARY-BEDROCK
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

Sample Location:	*10210C*	*10215*	*10215*	*10225A*	*10225B*
Sample ID:	*WG-9954-062614-SG-024*	*WG-9954-070814-SG-032*	*WG-9954-070814-SG-033*	*WG-9954-062714-SG-028*	*WG-9954-062714-SG-027*
Sample Date:	*6/26/2014*	*7/8/2014*	*7/8/2014 (Duplicate)*	*6/27/2014*	*6/27/2014*
Parameters					
Semi-volatile Organic Compounds-Continued					
Chrysene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Dibenz(a,h)anthracene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Dibenzofuran	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Diethyl phthalate	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Dimethyl phthalate	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Di-n-butylphthalate (DBP)	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Di-n-octyl phthalate (DnOP)	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Fluoranthene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Fluorene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Hexachlorobenzene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Hexachlorobutadiene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Hexachlorocyclopentadiene	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Hexachloroethane	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Indeno(1,2,3-cd)pyrene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Isophorone	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Naphthalene	1.9 U	1.9 U	1.9 U	0.84 J	1.9 U
Nitrobenzene	19 U	19 U	19 U	19 U	19 U
N-Nitrosodi-n-propylamine	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
N-Nitrosodiphenylamine	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Pentachlorophenol	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Phenanthrene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Phenol	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Pyrene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Discrete Compounds Detected:	0	0	0	1	0
Polychlorinated Biphenyls (PCBs)					
Aroclor-1016 (PCB-1016)	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1221 (PCB-1221)	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1232 (PCB-1232)	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1242 (PCB-1242)	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1248 (PCB-1248)	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1254 (PCB-1254)	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1260 (PCB-1260)	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Discrete Compounds Detected:	0	0	0	0	0

TABLE 3.3

2014 ANALYTICAL RESULTS SUMMARY-BEDROCK
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

	Sample Location:	*10210C*	*10215*	*10215*	*10225A*	*10225B*
	Sample ID:	*WG-9954-062614-SG-024*	*WG-9954-070814-SG-032*	*WG-9954-070814-SG-033*	*WG-9954-062714-SG-028*	*WG-9954-062714-SG-027*
	Sample Date:	*6/26/2014*	*7/8/2014*	*7/8/2014 (Duplicate)*	*6/27/2014*	*6/27/2014*
Parameters						
Pesticides						
4,4'-DDD		0.048 U	0.047 U	0.047 U	0.047 U	0.048 U
4,4'-DDE		0.048 U	0.047 U	0.047 U	0.047 U	0.048 U
4,4'-DDT		0.048 U	0.047 U	0.047 U	0.047 U	0.048 U
Aldrin		0.048 U	0.047 U	0.047 U	0.047 U	0.048 U
alpha-BHC		0.048 U	0.047 U	0.047 U	0.047 U	0.048 U
alpha-Chlordane		0.048 U	0.047 U	0.047 U	0.047 U	0.048 U
beta-BHC		0.048 U	0.047 U	0.047 U	0.047 U	0.048 U
delta-BHC		0.048 U	0.047 U	0.047 U	0.047 U	0.048 U
Dieldrin		0.048 U	0.047 U	0.047 U	0.047 U	0.048 U
Endosulfan I		0.048 U	0.047 U	0.047 U	0.047 U	0.048 U
Endosulfan II		0.048 U	0.047 U	0.047 U	0.047 U	0.048 U
Endosulfan sulfate		0.048 U	0.047 U	0.047 U	0.047 U	0.048 U
Endrin		0.048 U	0.047 U	0.047 U	0.047 U	0.048 U
Endrin ketone		0.048 U	0.047 U	0.047 U	0.047 U	0.048 U
gamma-BHC (lindane)		0.048 U	0.047 U	0.047 U	0.047 U	0.048 U
gamma-Chlordane		0.048 U	0.047 U	0.047 U	0.047 U	0.048 U
Heptachlor		0.048 U	0.047 U	0.047 U	0.047 U	0.048 U
Heptachlor epoxide		0.048 U	0.047 U	0.047 U	0.047 U	0.048 U
Methoxychlor		0.095 U	0.094 U	0.094 U	0.094 U	0.095 U
Toxaphene		3.8 U	3.8 U	3.8 U	3.8 U	3.8 U
	Discrete Compounds Detected:	0	0	0	0	0

Notes:

J - Estimated concentration.
U - Not detected at the associated reporting limit.
UJ - Not detected; associated reporting limit is estimated.

2014 ANALYTICAL RESULTS SUMMARY-BEDROCK
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

Sample Location:	*10225C*	*10270*	*10272*	*10278*	*MW-01*	*MW-02*
Sample ID:	*WG-9954-061314-SG-016*	*WG-9954-061314-SG-019*	*WG-9954-061314-SG-020*	*WG-9954-061314-SG-017*	*WG-9954-062514-SG-011*	*WG-9954-062514-SG-012*
Sample Date:	*6/13/2014*	*6/13/2014*	*6/13/2014*	*6/13/2014*	*6/25/2014*	*6/25/2014*
Parameters						
Volatile Organic Compounds						
1,1,1-Trichloroethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloropropane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Hexanone	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)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	20 UJ	20 U	20 U	20 U	20 U	20 U
Benzene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromodichloromethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromoform	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon disulfide	1.3 J	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon tetrachloride	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	2.2 J	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ
Chloroform (Trichloromethane)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloromethane (Methyl chloride)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	3.3 J	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,3-Dichloropropene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Toluene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,2-Dichloroethene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,3-Dichloropropene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	14	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Vinyl acetate	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Vinyl chloride	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Xylenes (total)	10 U	10 U	10 U	10 U	10 U	10 U
Discrete Compounds Detected:	4	0	0	0	0	0

TABLE 3.3

2014 ANALYTICAL RESULTS SUMMARY-BEDROCK
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

Sample Location:	*10225C*	*10270*	*10272*	*10278*	*MW-01*	*MW-02*
Sample ID:	*WG-9954-061314-SG-016*	*WG-9954-061314-SG-019*	*WG-9954-061314-SG-020*	*WG-9954-061314-SG-017*	*WG-9954-062514-SG-011*	*WG-9954-062514-SG-012*
Sample Date:	*6/13/2014*	*6/13/2014*	*6/13/2014*	*6/13/2014*	*6/25/2014*	*6/25/2014*
Parameters						
Semi-volatile Organic Compounds						
1,2,4-Trichlorobenzene	6.2 J	9.4 U	9.4 U	9.4 U	9.5 U	9.5 U
1,2-Dichlorobenzene	9.5 U	9.4 U	9.4 U	9.4 U	9.5 U	9.5 U
1,3-Dichlorobenzene	9.5 U	9.4 U	9.4 U	9.4 U	9.5 U	9.5 U
1,4-Dichlorobenzene	0.97 J	9.4 U	9.4 U	9.4 U	9.5 U	9.5 U
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	1.9 U	1.9 U	1.9 U	1.9 U	1.9 UJ	1.9 UJ
2,4,5-Trichlorophenol	9.5 U	9.4 U	9.4 U	9.4 U	9.5 U	9.5 U
2,4,6-Trichlorophenol	9.5 U	9.4 U	9.4 U	9.4 U	9.5 U	9.5 U
2,4-Dichlorophenol	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
2,4-Dimethylphenol	9.5 U	9.4 U	9.4 U	9.4 U	9.5 U	9.5 U
2,4-Dinitrophenol	48 U	47 U	47 U	47 U	48 U	48 U
2,4-Dinitrotoluene	9.5 U	9.4 U	9.4 U	9.4 U	9.5 U	9.5 U
2,6-Dinitrotoluene	9.5 U	9.4 U	9.4 U	9.4 U	9.5 U	9.5 U
2-Chloronaphthalene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
2-Chlorophenol	9.5 U	9.4 U	9.4 U	9.4 U	9.5 U	9.5 U
2-Methylnaphthalene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
2-Methylphenol	9.5 U	9.4 U	9.4 U	9.4 U	9.5 U	9.5 U
2-Nitroaniline	48 U	47 U	47 U	47 U	48 U	48 U
2-Nitrophenol	9.5 U	9.4 U	9.4 U	9.4 U	9.5 U	9.5 U
3,3'-Dichlorobenzidine	9.5 U	9.4 U	9.4 U	9.4 U	9.5 U	9.5 U
3-Nitroaniline	48 U	47 U	47 U	47 U	48 U	48 U
4,6-Dinitro-2-methylphenol	48 U	47 U	47 U	47 U	48 U	48 U
4-Bromophenyl phenyl ether	9.5 U	9.4 U	9.4 U	9.4 U	9.5 U	9.5 U
4-Chloro-3-methylphenol	9.5 U	9.4 U	9.4 U	9.4 U	9.5 U	9.5 U
4-Chloroaniline	9.5 U	9.4 U	9.4 U	9.4 U	9.5 U	9.5 U
4-Chlorophenyl phenyl ether	9.5 U	9.4 U	9.4 U	9.4 U	9.5 U	9.5 U
4-Methylphenol	9.5 U	9.4 U	9.4 U	9.4 U	9.5 U	9.5 U
4-Nitroaniline	48 U	47 U	47 U	47 U	48 U	48 U
4-Nitrophenol	48 U	47 U	47 U	47 U	48 U	48 U
Acenaphthene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Acenaphthylene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Anthracene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(a)anthracene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(a)pyrene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(b)fluoranthene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(g,h,i)perylene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(k)fluoranthene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Benzoic acid	48 UJ	47 UJ	47 UJ	47 UJ	48 U	48 U
Benzyl alcohol	9.5 U	9.4 U	9.4 U	9.4 U	9.5 U	9.5 U
bis(2-Chloroethoxy)methane	9.5 U	9.4 U	9.4 U	9.4 U	9.5 U	9.5 U
bis(2-Chloroethyl)ether	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
bis(2-Ethylhexyl)phthalate (DEHP)	19 U	19 U	19 U	19 U	19 U	19 U
Butyl benzylphthalate (BBP)	9.5 U	9.4 U	9.4 U	9.4 U	9.5 U	9.5 U

2014 ANALYTICAL RESULTS SUMMARY-BEDROCK
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

Sample Location:	*10225C*	*10270*	*10272*	*10278*	*MW-01*	*MW-02*
Sample ID:	*WG-9954-061314-SG-016*	*WG-9954-061314-SG-019*	*WG-9954-061314-SG-020*	*WG-9954-061314-SG-017*	*WG-9954-062514-SG-011*	*WG-9954-062514-SG-012*
Sample Date:	*6/13/2014*	*6/13/2014*	*6/13/2014*	*6/13/2014*	*6/25/2014*	*6/25/2014*
Parameters						
Semi-volatile Organic Compounds-Continued						
Chrysene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Dibenz(a,h)anthracene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Dibenzofuran	9.5 U	9.4 U	9.4 U	9.4 U	9.5 U	9.5 U
Diethyl phthalate	9.5 U	9.4 U	9.4 U	9.4 U	9.5 U	9.5 U
Dimethyl phthalate	9.5 U	9.4 U	9.4 U	9.4 U	9.5 U	9.5 U
Di-n-butylphthalate (DBP)	9.5 U	9.4 U	9.4 U	9.4 U	9.5 U	9.5 U
Di-n-octyl phthalate (DnOP)	9.5 U	9.4 U	9.4 U	9.4 U	9.5 U	9.5 U
Fluoranthene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Fluorene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Hexachlorobenzene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Hexachlorobutadiene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Hexachlorocyclopentadiene	9.5 U	9.4 U	9.4 U	9.4 U	9.5 U	9.5 U
Hexachloroethane	9.5 U	9.4 U	9.4 U	9.4 U	9.5 U	9.5 U
Indeno(1,2,3-cd)pyrene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Isophorone	9.5 U	9.4 U	9.4 U	9.4 U	9.5 U	9.5 U
Naphthalene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Nitrobenzene	19 U	19 U	19 U	19 U	19 U	19 U
N-Nitrosodi-n-propylamine	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
N-Nitrosodiphenylamine	9.5 U	9.4 U	9.4 U	9.4 U	9.5 U	9.5 U
Pentachlorophenol	9.5 U	9.4 U	9.4 U	9.4 U	9.5 U	9.5 U
Phenanthrene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Phenol	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Pyrene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Discrete Compounds Detected:	2	0	0	0	0	0
Polychlorinated Biphenyls (PCBs)						
Aroclor-1016 (PCB-1016)	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1221 (PCB-1221)	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1232 (PCB-1232)	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1242 (PCB-1242)	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1248 (PCB-1248)	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1254 (PCB-1254)	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1260 (PCB-1260)	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Discrete Compounds Detected:	0	0	0	0	0	0

TABLE 3.3

2014 ANALYTICAL RESULTS SUMMARY-BEDROCK
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

	Sample Location:	*10225C*	*10270*	*10272*	*10278*	*MW-01*	*MW-02*
	Sample ID:	*WG-9954-061314-SG-016*	*WG-9954-061314-SG-019*	*WG-9954-061314-SG-020*	*WG-9954-061314-SG-017*	*WG-9954-062514-SG-011*	*WG-9954-062514-SG-012*
	Sample Date:	*6/13/2014*	*6/13/2014*	*6/13/2014*	*6/13/2014*	*6/25/2014*	*6/25/2014*
Parameters							
Pesticides							
4,4'-DDD		0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
4,4'-DDE		0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
4,4'-DDT		0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
Aldrin		0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
alpha-BHC		1.1 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
alpha-Chlordane		0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
beta-BHC		0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
delta-BHC		0.058 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
Dieldrin		0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
Endosulfan I		0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
Endosulfan II		0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
Endosulfan sulfate		0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
Endrin		0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
Endrin ketone		0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
gamma-BHC (lindane)		0.092 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
gamma-Chlordane		0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
Heptachlor		0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
Heptachlor epoxide		0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
Methoxychlor		0.094 U	0.094 U	0.094 U	0.094 U	0.094 U	0.094 U
Toxaphene		3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U
	Discrete Compounds Detected:	0	0	0	0	0	0

Notes:

J - Estimated concentration.
U - Not detected at the associated reporting limit.
UJ - Not detected; associated reporting limit is estimated.

TABLE 3.4

SUMMARY OF DETECTED COMPOUNDS - 2014
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

		Number of Parameters Detected			
Overburden Wells	***Well Group***	***VOCs***	***SVOCs***	***PCBs***	***Pesticides***
7115	B-II	U	U	U	U
7125	B-II	U	U	U	U
7130	A	U	U	U	U
7132	A	U	U	U	U
8106	A	U	U	U	U
8115	B-II	U	U	U	U
8125	B-II	U	U	U	U
9105	B-II	U	U	U	U
9113	B-II	U	U	U	U
9118	B-II	U	U	U	U
10135	A	3	10	U	10
10178A	X	U	U	U	U
Subtotal Overburden Well Detections		**3**	**10**	**0**	**10**
Bedrock Wells		***VOCs***	***SVOCs***	***PCBs***	***Pesticides***
3257	A	1	U	U	U
5221	A	1	U	U	U
6209	A	U	U	U	U
7205	A	1	U	U	U
8210	A	1	U	U	U
9205	A	U	U	U	U
9210	A	U	U	U	1
10205	A	1	U	U	U
10210A	A	U	U	U	U
10210B	A	1	U	U	U
10210C	A	U	U	U	U
10215	A	1	U	U	U
10225A	A	U	1	U	U
10225B	A	1	1	U	U
10225C	A	4	U	U	U
10270	A	U	2	U	U
10272	A	U	U	U	U
10278	A	U	U	U	U
MW-01	X	U	U	U	U
MW-02	X	U	U	U	U
Subtotal Bedrock Well Detections		**12**	**4**	**0**	**1**
Total # of Detections		**15**	**14**	**0**	**11**

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 annual well added to program in 2011.
PCBs Polychlorinated biphenyls.
SVOCs Semi-volatile organic compounds.
VOCs Volatile organic compounds.

TABLE 3.5

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

Well Number:	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*
SampleDate:	*7/24/1990*	*8/22/1991*	*8/26/1992*	*8/11/1993*	*5/25/1995*	*7/1/1996*	*7/10/1997*	*6/26/1998*	*6/23/1999*	*6/21/2000*	*5/18/2001*	*6/13/2002*	*5/27/2003*	*6/3/2004*	*6/28/2005*	*7/6/2006*	*7/26/2007*	*7/17/2008*	*7/15/2009*	*6/24/2010*	*7/19/2011*	*6/22/2012*
Parameters																						
Volatiles (µg/L)																						
1,1,1-Trichloroethane																						
1,1,2,2-Tetrachloroethane				0.2																		
1,1,2-Trichloroethane																						
1,1-Dichloroethene																						
1,2-Dichloroethane																						
1,2-Dichloroethene (total)																						
1,2-Dichloropropane				0.04																		
2-Butanone (Methyl Ethyl Ketone)									2 J			3 J		4 J								
2-Hexanone				0.4					3 J													
Acetone	14C			13B				120 J			10 J									5.2 J		
Benzene				0.1																		
Bromoform				0.03																		
Bromomethane (Methyl bromide)																						
Carbon Disulfide				2	20	310					6 J			6 J	1.6 J	1 J	8 J	24				2.7 J
Chlorobenzene																						
Chloroform																						
Chlorotoluenes																						
cis-1,2-Dichloroethene																						
Dibromochloromethane				0.08																		
Dichlorotoluene, total																						
Ethylbenzene				0.6																		
m&p-Xylenes																						
Methylene Chloride				0.3																		
o-Xylene																						
Styrene				0.1																		
Tetrachloroethene				0.07																		
Toluene				0.4					2 J						2.3 J							
trans-1,2-Dichloroethene																						
Trichloroethene				0.1																6.3		
Trichlorotoluene, total																						
Vinyl Acetate																						
Vinyl Chloride																						
Xylenes (total)				1																		
Semi-volatiles (µg/L)																						
1,2,4-Trichlorobenzene																						
1,2-Dichlorobenzene																						
1,3-Dichlorobenzene																						
1,4-Dichlorobenzene																						
2,4,5-Trichlorophenol																						
2,4,6-Trichlorophenol																						
2,4-Dichlorophenol																						
2,4-Dimethylphenol																						
2-Chloronaphthalene																						

TABLE 3.5

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

Well Number:	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*
SampleDate:	*7/24/1990*	*8/22/1991*	*8/26/1992*	*8/11/1993*	*5/25/1995*	*7/1/1996*	*7/10/1997*	*6/26/1998*	*6/23/1999*	*6/21/2000*	*5/18/2001*	*6/13/2002*	*5/27/2003*	*6/3/2004*	*6/28/2005*	*7/6/2006*	*7/26/2007*	*7/17/2008*	*7/15/2009*	*6/24/2010*	*7/19/2011*	*6/22/2012*
Parameters																						
Semi-volatiles (µg/L)-Continued																						
2-Chlorophenol																						
2-Methylnaphthalene																						
2-Methylphenol																						
2-Nitrophenol																						
3,5-Dichlorotoluene																						
4-Chloro-3-methylphenol																						
4-Chlorophenyl phenyl ether																						
4-Methylphenol																						
Acetic acid																						
Anthracene																						
Benzo(a)pyrene																						
Benzo(b)fluoranthene																						
Benzo(g,h,i)perylene																						
Benzo(k)fluoranthene																						
Benzoic Acid							12 J						3 J	3 J	2.7 J				5.8 J			
Benzyl Alcohol																						
Bis(2-Chloroethyl)Ether																						
bis(2-Ethylhexyl)Phthalate		12	21	31	51									1 J	1.7 J	8 J			2.5 J			
Butyl benzylphthalate (BBP)				3																		
Camphor																						
Carbazole																						
Chlorobenzoic acid																						
Chrysene																						
Dibenz(a,h)anthracene																						
Diethyl phthalate																						
Dimethyl Phthalate	16																					
Dimethyl tetrasulfide				22																		
Di-n-butyl phthalate (DBP)		2		0.9																		
Di-n-octyl phthalate (DnOP)	3B																					
Fluoranthene																						
Hexachlorobenzene																						
Hexachloroethane																						
Indeno(1,2,3-cd)pyrene																						
Naphthalene																						
N-Nitrosodiphenylamine																						
Pentachlorophenol																						
Phenanthrene																						
Phenol									1 J				5 J	1 J	1.7 J							
Pyrene																						

TABLE 3.5

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

Well Number:	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*
SampleDate:	*7/24/1990*	*8/22/1991*	*8/26/1992*	*8/11/1993*	*5/25/1995*	*7/1/1996*	*7/10/1997*	*6/26/1998*	*6/23/1999*	*6/21/2000*	*5/18/2001*	*6/13/2002*	*5/27/2003*	*6/3/2004*	*6/28/2005*	*7/6/2006*	*7/26/2007*	*7/17/2008*	*7/15/2009*	*6/24/2010*	*7/19/2011*	*6/22/2012*
Parameters																						
Pesticides/PCBs (µg/L)																						
4,4'-DDD													0.013 J									
4,4'-DDE																						
Aldrin																						
Alpha-BHC									0.28											0.14 J		
Alpha-Chlordane																						
Aroclor-1260 (PCB-1260)																						
beta&gamma-BHC (sum of isomers)																						
Beta-BHC									0.035 J				0.020 J	0.011 J				0.015 J		0.12 J		
Delta-BHC				0.0061									0.062 J	0.043 J						0.12 J		
Dieldrin																						
Endosulfan I									0.046 J													
Endosulfan II																						
Endosulfan Sulfate																						
Endrin																						
Endrin ketone																						
Gamma-BHC (Lindane)									0.10 J				0.039 J							0.12 J		
Gamma-Chlordane																						
Heptachlor																						
Heptachlor epoxide																						
Methoxychlor																						

Notes:
D - Sample result is from a dilution.
C - Sample result was confirmed.
E - Sample result was greater than the highest calibration level.
N - Validator qualifier-presumptive certainty, usually used when there is a large difference in dual column results.
P - Lab qualifier used when there are large differences in dual column results.
J - Estimated.
U - Not detected at the associated reporting limit.
B - Detected in the blank sample.
Blank - Not detected
PCBs - Polychlorinated biphenyls.

TABLE 3.5

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

Well Number:	*10210A*	*10210A*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*
SampleDate:	*6/13/2013*	*6/27/2014*	*7/24/1990*	*8/22/1991*	*8/26/1992*	*8/11/1993*	*6/15/1994*	*6/1/1995*	*7/5/1996*	*7/1/1997*	*6/18/1998*	*6/24/1999*	*6/15/2000*	*5/17/2001*	*6/10/2002*	*5/23/2003*	*6/2/2004*	*6/24/2005*	*6/28/2006*	*7/26/2007*	*7/17/2008*	*7/9/2009*
Parameters																						
Volatiles (µg/L)																						
1,1,1-Trichloroethane																						
1,1,2,2-Tetrachloroethane																						
1,1,2-Trichloroethane																						
1,1-Dichloroethene							0.06															
1,2-Dichloroethane																						
1,2-Dichloroethene (total)																						
1,2-Dichloropropane																						
2-Butanone (Methyl Ethyl Ketone)							4									23						
2-Hexanone																						
Acetone					31	6	12 B	23						12 J								
Benzene						0.3	0.3															
Bromoform																						
Bromomethane (Methyl bromide)						0.2																
Carbon Disulfide						2	0.4				8 J	2 J		14	3 J	2 J		1.4 J	1 J	6 J		
Chlorobenzene							0.2										1 J					
Chloroform																						
Chlorotoluenes																						
cis-1,2-Dichloroethene																						
Dibromochloromethane																						
Dichlorotoluene, total																						
Ethylbenzene						0.2	0.08															
m&p-Xylenes																						
Methylene Chloride						0.4	0.2															
o-Xylene																						
Styrene																						
Tetrachloroethene						0.06											9 J					
Toluene			1.8				0.5					2 J	1 J					1.1 J				
trans-1,2-Dichloroethene																						
Trichloroethene						0.1	0.1															
Trichlorotoluene, total																						
Vinyl Acetate																						
Vinyl Chloride																						
Xylenes (total)						0.5	0.5															
Semi-volatiles (µg/L)																						
1,2,4-Trichlorobenzene																3 J						
1,2-Dichlorobenzene																						
1,3-Dichlorobenzene																						
1,4-Dichlorobenzene																						
2,4,5-Trichlorophenol																						
2,4,6-Trichlorophenol																						
2,4-Dichlorophenol																						
2,4-Dimethylphenol																						
2-Chloronaphthalene																						

TABLE 3.5

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

Well Number:	*10210A*	*10210A*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*
SampleDate:	*6/13/2013*	*6/27/2014*	*7/24/1990*	*8/22/1991*	*8/26/1992*	*8/11/1993*	*6/15/1994*	*6/1/1995*	*7/5/1996*	*7/1/1997*	*6/18/1998*	*6/24/1999*	*6/15/2000*	*5/17/2001*	*6/10/2002*	*5/23/2003*	*6/2/2004*	*6/24/2005*	*6/28/2006*	*7/26/2007*	*7/17/2008*	*7/9/2009*
Parameters																						
Semi-volatiles (µg/L)-Continued																						
2-Chlorophenol																						
2-Methylnaphthalene							0.06															
2-Methylphenol																						
2-Nitrophenol																						
3,5-Dichlorotoluene																						
4-Chloro-3-methylphenol																						
4-Chlorophenyl phenyl ether																						
4-Methylphenol							0.2															
Acetic acid																						
Anthracene																						
Benzo(a)pyrene							0.07															
Benzo(b)fluoranthene							0.08															
Benzo(g,h,i)perylene							0.1															
Benzo(k)fluoranthene							0.04															
Benzoic Acid																			2 J			
Benzyl Alcohol																						
Bis(2-Chloroethyl)Ether																						
bis(2-Ethylhexyl)Phthalate			7 B	13		11	9			55	6 J						4 J	4.5 J	3 J			
Butyl benzylphthalate (BBP)							0.2															
Camphor																						
Carbazole							0.05															
Chlorobenzoic acid																						
Chrysene																						
Dibenz(a,h)anthracene							0.1															
Diethyl phthalate							0.3															
Dimethyl Phthalate																						
Dimethyl tetrasulfide																						
Di-n-butyl phthalate (DBP)			1	1			0.6							3 J								
Di-n-octyl phthalate (DnOP)							0.1															
Fluoranthene							0.04															
Hexachlorobenzene																1 J						
Hexachloroethane																						
Indeno(1,2,3-cd)pyrene							0.1															
Naphthalene																						
N-Nitrosodiphenylamine							0.2															
Pentachlorophenol			1				0.3															
Phenanthrene							0.07															
Phenol			3	3			2															
Pyrene							0.04															

TABLE 3.5

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

Well Number:	*10210A*	*10210A*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*
SampleDate:	*6/13/2013*	*6/27/2014*	*7/24/1990*	*8/22/1991*	*8/26/1992*	*8/11/1993*	*6/15/1994*	*6/1/1995*	*7/5/1996*	*7/1/1997*	*6/18/1998*	*6/24/1999*	*6/15/2000*	*5/17/2001*	*6/10/2002*	*5/23/2003*	*6/2/2004*	*6/24/2005*	*6/28/2006*	*7/26/2007*	*7/17/2008*	*7/9/2009*
Parameters																						
Pesticides/PCBs (µg/L)																						
4,4'-DDD																						
4,4'-DDE																	0.011 J					
Aldrin																			.0089 J			
Alpha-BHC																19	2.4	0.37	.58	0.016 J		0.050 / 0.064
Alpha-Chlordane																						
Aroclor-1260 (PCB-1260)																						
beta&gamma-BHC (sum of isomers)																						
Beta-BHC																1.9	0.53	0.082 P	.082			
Delta-BHC	0.067 J															0.56 J	0.15		.047 J			0.028 J / 0.032 J
Dieldrin																0.13 J						
Endosulfan I																0.11 J						
Endosulfan II																						
Endosulfan Sulfate																						
Endrin																						
Endrin ketone																						
Gamma-BHC (Lindane)																2.1	0.39	0.046 J	.099			0.038 J / 0.033 J
Gamma-Chlordane																0.15 J						
Heptachlor																						
Heptachlor epoxide																0.35 J						
Methoxychlor																						

Notes:
D - Sample result is from a dilution.
C - Sample result was confirmed.
E - Sample result was greater than the highest calibration level.
N - Validator qualifier-presumptive certainty, usually used when there is a large difference in dual column results.
P - Lab qualifier used when there are large differences in dual column results.
J - Estimated.
U - Not detected at the associated reporting limit.
B - Detected in the blank sample.
Blank - Not detected
PCBs - Polychlorinated biphenyls.

TABLE 3.5

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

Well Number:	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*
SampleDate:	*6/15/2010*	*7/14/2011*	*6/18/2012*	*6/15/2013*	*6/26/2014*	*7/25/1990*	*8/22/1991*	*8/26/1992*	*8/11/1993*	*6/8/1994*	*6/1/1995*	*7/1/1996*	*7/1/1997*	*6/22/1998*	*6/24/1999*	*6/15/2000*	*5/17/2001*	*6/10/2002*	*5/23/2003*	*6/7/2004*	*6/23/2005*	*6/28/2006*
Parameters																						
Volatiles (µg/L)																						
1,1,1-Trichloroethane																						
1,1,2,2-Tetrachloroethane																						
1,1,2-Trichloroethane																						
1,1-Dichloroethene																						
1,2-Dichloroethane																						
1,2-Dichloroethene (total)																						
1,2-Dichloropropane																						
2-Butanone (Methyl Ethyl Ketone)																						
2-Hexanone																						
Acetone								10 B		19 B					2100	8 J	9 J				1.9 J	
Benzene																						
Bromoform																						
Bromomethane (Methyl bromide)																						
Carbon Disulfide	4.0 J	4.6 J	6.1 J		2.9 J					0.6						3 J						
Chlorobenzene																						2 J
Chloroform																						
Chlorotoluenes																						
cis-1,2-Dichloroethene																						
Dibromochloromethane																						
Dichlorotoluene, total																						
Ethylbenzene																						
m&p-Xylenes																						
Methylene Chloride				1.2 J						0.2												
o-Xylene																						
Styrene																						
Tetrachloroethene																						6 J
Toluene						3														29 / 23		
trans-1,2-Dichloroethene																						
Trichloroethene																						
Trichlorotoluene, total																						
Vinyl Acetate																						
Vinyl Chloride																						
Xylenes (total)																						
Semi-volatiles (µg/L)																						
1,2,4-Trichlorobenzene																						6 J
1,2-Dichlorobenzene																						
1,3-Dichlorobenzene																						
1,4-Dichlorobenzene																						
2,4,5-Trichlorophenol																						
2,4,6-Trichlorophenol																						
2,4-Dichlorophenol																						
2,4-Dimethylphenol																						
2-Chloronaphthalene																						

TABLE 3.5

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

Well Number:	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*
SampleDate:	*6/15/2010*	*7/14/2011*	*6/18/2012*	*6/15/2013*	*6/26/2014*	*7/25/1990*	*8/22/1991*	*8/26/1992*	*8/11/1993*	*6/8/1994*	*6/1/1995*	*7/1/1996*	*7/1/1997*	*6/22/1998*	*6/24/1999*	*6/15/2000*	*5/17/2001*	*6/10/2002*	*5/23/2003*	*6/7/2004*	*6/23/2005*	*6/28/2006*
Parameters																						
Semi-volatiles (µg/L)-Continued																						
2-Chlorophenol																						
2-Methylnaphthalene																						
2-Methylphenol										5												
2-Nitrophenol																						
3,5-Dichlorotoluene																						
4-Chloro-3-methylphenol																						
4-Chlorophenyl phenyl ether																						
4-Methylphenol										6	29	110	62	0.6J								
Acetic acid									11													
Anthracene																						
Benzo(a)pyrene																						
Benzo(b)fluoranthene																						
Benzo(g,h,i)perylene																						
Benzo(k)fluoranthene																						
Benzoic Acid																						
Benzyl Alcohol																						
Bis(2-Chloroethyl)Ether																						
bis(2-Ethylhexyl)Phthalate						7 B	13			8										29 / 5 J		5 J
Butyl benzylphthalate (BBP)						1				0.4												
Camphor																						
Carbazole																						
Chlorobenzoic acid																						
Chrysene																						
Dibenz(a,h)anthracene																						
Diethyl phthalate			1.8 J			1				0.2												
Dimethyl Phthalate																						
Dimethyl tetrasulfide																						
Di-n-butyl phthalate (DBP)						2	3			0.5												
Di-n-octyl phthalate (DnOP)										0.04												
Fluoranthene																						
Hexachlorobenzene																						
Hexachloroethane							1															
Indeno(1,2,3-cd)pyrene																						
Naphthalene																						
N-Nitrosodiphenylamine																						
Pentachlorophenol																						
Phenanthrene										0.03												
Phenol						2	6				22		22									
Pyrene																						

TABLE 3.5

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

Well Number:	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*
SampleDate:	*6/15/2010*	*7/14/2011*	*6/18/2012*	*6/15/2013*	*6/26/2014*	*7/25/1990*	*8/22/1991*	*8/26/1992*	*8/11/1993*	*6/8/1994*	*6/1/1995*	*7/1/1996*	*7/1/1997*	*6/22/1998*	*6/24/1999*	*6/15/2000*	*5/17/2001*	*6/10/2002*	*5/23/2003*	*6/7/2004*	*6/23/2005*	*6/28/2006*
Parameters																						
Pesticides/PCBs (µg/L)																						
4,4'-DDD																						
4,4'-DDE																						
Aldrin																						0.061 J
Alpha-BHC		0.048 J																			0.083	0.45 J
Alpha-Chlordane																						
Aroclor-1260 (PCB-1260)																						
beta&gamma-BHC (sum of isomers)																						
Beta-BHC																						0.048 J
Delta-BHC	0.050 J	0.042 J																		0.019 J / 0.017 J		0.052 J
Dieldrin																						
Endosulfan I																						
Endosulfan II																						
Endosulfan Sulfate																						
Endrin																						0.14 J
Endrin ketone																						
Gamma-BHC (Lindane)		0.061 J																				0.11 J
Gamma-Chlordane																						0.018 J
Heptachlor		0.053 J																				
Heptachlor epoxide																						
Methoxychlor																						

Notes:
D - Sample result is from a dilution.
C - Sample result was confirmed.
E - Sample result was greater than the highest calibration level.
N - Validator qualifier-presumptive certainty, usually used when there is a large difference in dual column results.
P - Lab qualifier used when there are large differences in dual column results.
J - Estimated.
U - Not detected at the associated reporting limit.
B - Detected in the blank sample.
Blank - Not detected
PCBs - Polychlorinated biphenyls.

TABLE 3.5

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

Well Number:	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*
SampleDate:	*7/26/2007*	*7/16/2008*	*7/13/2009*	*6/15/2010*	*7/14/2011*	*6/22/2012*	*6/15/2013*	*6/26/2014*	*9/13/1990*	*8/29/1991*	*8/26/1992*	*8/19/1993*	*6/22/1994*	*6/1/1995*	*6/27/1996*	*7/7/1997*	*6/17/1998*	*6/16/1999*	*6/22/2000*	*5/11/2001*	*6/12/2002*
Parameters																					
Volatiles (µg/L)																					
1,1,1-Trichloroethane												8	14								
1,1,2,2-Tetrachloroethane												12	51		26		94 J	29 / 32	27 J / 26 J	120 J / 100 J	56
1,1,2-Trichloroethane															14		29 J	15 / 12	16 J / 14 J	29 J / 34 J	27
1,1-Dichloroethene									6			15	3					4 J / 3 J	4 J / 4 J	4 J / 4 J	4 J
1,2-Dichloroethane																					
1,2-Dichloroethene (total)											700	840	650	670 JD	560						600 J / 560
1,2-Dichloropropane																					
2-Butanone (Methyl Ethyl Ketone)												36							10 J	11 J / 12 J	
2-Hexanone																					
Acetone									50			270	100 B	100 J	60		110 J		28 J / 46 J		72
Benzene									6200	6700		5200	6000 E	4900 D	4800	5000 / 5600	5300 J	5700 / 5600	6900 J / 6400 D	8500 J / 7600	5900 / 6400
Bromoform																					
Bromomethane (Methyl bromide)																					
Carbon Disulfide		2 J				U/1.4 J												2 J			
Chlorobenzene									2380	2400	2600	1700 E	2900 E	2000 D	1500	2300 / ND	1900 J	1900 / 1800	2300 J / 2300 J	3000 J / 2700 J	2200 / 2400
Chloroform												100	120	86 J	110		150 J	110 / 120	130 J / 100 J	160 J / 150 J	160
Chlorotoluenes									16600	16000											
cis-1,2-Dichloroethene																					
Dibromochloromethane																					
Dichlorotoluene, total									14000	140											
Ethylbenzene									12	10		13	12				12	9 J / 10 J	12 J / 12 J	24 J / 22 J	15
m&p-Xylenes																					39
Methylene Chloride									5			41	8		11				24 J / 24 J		39
o-Xylene																					12
Styrene												4									
Tetrachloroethene									50			8	32				40 J	13 / 12	16 J / 14 J	50 J / 61 J	38
Toluene									22800	26000	2700	17000	21500	18000 D	14000	19000 / 17000	16000 J	16000 / 17000	21000 D / 21000 J	24000 / 22000	20000 j / 19000
trans-1,2-Dichloroethene									20								58 J	67 / 70	67 J / 70 J	59 J / 60 J	
Trichloroethene									260	450		24	140	18 J	36		170 J	58 / 70	60 J / 72 J	180 J / 140 J	160 / 130 J
Trichlorotoluene, total									40												
Vinyl Acetate											6800										
Vinyl Chloride													61	44 J	50		48 J	62 / 61	110 J / 85 J	66 J / 75 J	48
Xylenes (total)									50	30		47	10 B	37 J	28		55 J	44 / 43	42 J / 44 J		
Semi-volatiles (µg/L)																					
1,2,4-Trichlorobenzene									80	290		74	87 B				78 J	45 J / 65 J	45 J / 36 J	65 J / 42 J	
1,2-Dichlorobenzene									50	16		35	34					24 J / 30 J	18 J / 22 J	48 J	
1,3-Dichlorobenzene													4								
1,4-Dichlorobenzene									120	47	110	94	91					61 J / 74 J	59 J / 52 J	110 J / 69 J	
2,4,5-Trichlorophenol									860	130		70	59				38 J		0.9 J		
2,4,6-Trichlorophenol										120			8						1 J		
2,4-Dichlorophenol									830		1200B	420	610	150		2100 / 2100	2000	690 / 610	1400 J / 470 J	620 J / 1200 J	1800 J / 1500 J
2,4-Dimethylphenol													9						2 J		
2-Chloronaphthalene														150						370 J / 550 J	

TABLE 3.5

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

Well Number:	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*
SampleDate:	*7/26/2007*	*7/16/2008*	*7/13/2009*	*6/15/2010*	*7/14/2011*	*6/22/2012*	*6/15/2013*	*6/26/2014*	*9/13/1990*	*8/29/1991*	*8/26/1992*	*8/19/1993*	*6/22/1994*	*6/1/1995*	*6/27/1996*	*7/7/1997*	*6/17/1998*	*6/16/1999*	*6/22/2000*	*5/11/2001*	*6/12/2002*
Parameters																					
Semi-volatiles (µg/L)-Continued																					
2-Chlorophenol													20				28 J	25 J			
2-Methylnaphthalene																					
2-Methylphenol												51	46				55 J	42 J / 35 J	160 J	41 J	
2-Nitrophenol																			1 J		
3,5-Dichlorotoluene												350									
4-Chloro-3-methylphenol										13			31					25 J / 33 J			
4-Chlorophenyl phenyl ether													2								
4-Methylphenol										10		60	64				130 J	95 J / 120	99 J / 300 J	130 J / 86 J	
Acetic acid																					
Anthracene													1								
Benzo(a)pyrene																					
Benzo(b)fluoranthene																					
Benzo(g,h,i)perylene																					
Benzo(k)fluoranthene																					
Benzoic Acid									140000	580				6400 D	4000	27000 J / 30000 J	23000 J	4300 / 5000	4700 J / 19000 J	6200 J / 4400 J	31000 / 25000
Benzyl Alcohol									4200	1100				380		1900 / 1600	2700	680 / 540	14000 D / 3200 J	330 J / 630 J	2000 / 1700 J
Bis(2-Chloroethyl)Ether												23					24 J	26 J / 25 J			
bis(2-Ethylhexyl)Phthalate												50	2						41 J / 24 J		
Butyl benzylphthalate (BBP)																					
Camphor												130									
Carbazole																					
Chlorobenzoic acid									4000												
Chrysene													0.2								
Dibenz(a,h)anthracene																					
Diethyl phthalate				4.4 J									1								
Dimethyl Phthalate				0.87 J																	
Dimethyl tetrasulfide																					
Di-n-butyl phthalate (DBP)																					
Di-n-octyl phthalate (DnOP)																					
Fluoranthene													0.2								
Hexachlorobenzene																					
Hexachloroethane																					
Indeno(1,2,3-cd)pyrene																					
Naphthalene																		1400 J / 2000 J	4000 J / 1800 J	1400 / 1100	
N-Nitrosodiphenylamine																					
Pentachlorophenol												52	4								
Phenanthrene																					
Phenol										10		98	91	140				120 / 96 J		51 J	
Pyrene																					

TABLE 3.5

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

Well Number:	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*
SampleDate:	*7/26/2007*	*7/16/2008*	*7/13/2009*	*6/15/2010*	*7/14/2011*	*6/22/2012*	*6/15/2013*	*6/26/2014*	*9/13/1990*	*8/29/1991*	*8/26/1992*	*8/19/1993*	*6/22/1994*	*6/1/1995*	*6/27/1996*	*7/7/1997*	*6/17/1998*	*6/16/1999*	*6/22/2000*	*5/11/2001*	*6/12/2002*
Parameters																					
Pesticides/PCBs (µg/L)																					
4,4'-DDD																		0.21 / 0.20 J	0.13 J / 0.071 J		
4,4'-DDE													0.071								
Aldrin											0.53	0.24 P						0.21 J / 0.74 JN		1.5 JN / 0.95 JN	0.12 J / 0.12 J
Alpha-BHC											84	42 C	24 CEP	28 D	29	39 / 39	59	40 / 37 J	50 / 50	43 J / 50 J	43 / 39
Alpha-Chlordane																					0.031 J / 0.017 J
Aroclor-1260 (PCB-1260)																					
beta&gamma-BHC (sum of isomers)												19.5	20.4								
Beta-BHC														10 D	11	8.1 / 8.6	12	12 / 11 J	15 / 16	16 J / 16 J	14 J / 13 J
Delta-BHC			0.048 J								15	9.8	7.5 CE	4.7	5.2	5.1 / ND	8.9	11 / 9.6 J	13 / 14	10 J / 12 J	9.0 J / 11 J
Dieldrin																					
Endosulfan I																		0.34 J / 0.43 J		1.5 JN / 1.6 JN	
Endosulfan II																			0.52 J / 0.69 J		
Endosulfan Sulfate												0.43 P						0.18 / 0.17 J	0.17 J		
Endrin													0.15 P								
Endrin ketone																					
Gamma-BHC (Lindane)											33				2.4 J	6.2 J / 5.1 J	6.5 J	5.5 / 4.1 J	6.4 / 8.0	7.3 J / 5.0 J	7.1 J / 6.1 J
Gamma-Chlordane																			0.18 J / 0.16 J		0.29 J / 0.35 J
Heptachlor																		0.63 / 0.68 JN			
Heptachlor epoxide																		0.043 J / 0.058 J	0.031 J / 0.029 J		0.016 J / 0.025 J
Methoxychlor																					

Notes:
D - Sample result is from a dilution.
C - Sample result was confirmed.
E - Sample result was greater than the highest calibration level.
N - Validator qualifier-presumptive certainty, usually used when there is a large difference in dual column results.
P - Lab qualifier used when there are large differences in dual column results.
J - Estimated.
U - Not detected at the associated reporting limit.
B - Detected in the blank sample.
Blank - Not detected
PCBs - Polychlorinated biphenyls.

TABLE 3.5

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

Well Number:	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*
SampleDate:	*5/19/2003*	*5/28/2004*	*6/17/2005*	*6/28/2005*	*6/26/2006*	*7/18/2007*	*7/23/2008*	*6/25/2009*	*6/16/2010*	*7/13/2011*	*6/12/2012*	*6/18/2013*	*6/13/2014*
Parameters													
Volatiles (µg/L)													
1,1,1-Trichloroethane													
1,1,2,2-Tetrachloroethane	38					16 J		25 / 24					
1,1,2-Trichloroethane						15 J		9.1 J / 8.7 J					
1,1-Dichloroethene	3 J					2 J							
1,2-Dichloroethane													
1,2-Dichloroethene (total)	490 J												
1,2-Dichloropropane													
2-Butanone (Methyl Ethyl Ketone)								5.8 J / 6.1 J					
2-Hexanone													
Acetone	74				200 J	53 J		42 / 37	39				
Benzene	5500		5400	5700	6800	7100	5300	7500 / 7600	3400	2200	5900	2500	6100
Bromoform													
Bromomethane (Methyl bromide)													
Carbon Disulfide						2 J							
Chlorobenzene	1900		2000	2100	2400	2100	1400	2900 J / 3000 J	1300	1100	2500	730	2300
Chloroform	110				110 J	140 J	99 J	96 / 97	160	67	130 J		
Chlorotoluenes													
cis-1,2-Dichloroethene					630		79 J	79 / 76	110	38 J			
Dibromochloromethane													
Dichlorotoluene, total													
Ethylbenzene	10					10 J		10 / 10	13				
m&p-Xylenes	29												
Methylene Chloride	26			100 J	44 J	32 J		25 / 24	38	16 J			
o-Xylene	9 J												
Styrene													
Tetrachloroethene	18					13 J		14 / 14	19	9.5 J			
Toluene	15000		16000	18000	21000	23000	13000	24000 / 24000	11000	3100	14000	6100	20000
trans-1,2-Dichloroethene					52 J	50 J	32 J	30 / 30	48	17 J			
Trichloroethene	91				46 J	89 J	27 J	91 / 89	140	52			
Trichlorotoluene, total													
Vinyl Acetate													
Vinyl Chloride	51							27 / 17	31				
Xylenes (total)						37 J		44 / 53	51				
Semi-volatiles (µg/L)													
1,2,4-Trichlorobenzene	97 J		67 J		63	47 J	28	110 / 110	78 J	76 J	74 J	69	64 J
1,2-Dichlorobenzene	59 J		36 J		37	31 J	10 J	68 / 52	57 J	45 J		45	34 J
1,3-Dichlorobenzene					3 J	87 J		4.1 J / 5.5 J				5.2 J	
1,4-Dichlorobenzene	160 J		100 J	110 J	100	84 J	24	150 J / 100 J	150 J	130 J	110 J	130	94 J
2,4,5-Trichlorophenol					8 J							10	
2,4,6-Trichlorophenol							6 J	28 / 23				12	
2,4-Dichlorophenol	1700		420	300 J	250	490	150	1200 / 1100	780	590	240	360	660
2,4-Dimethylphenol													
2-Chloronaphthalene											150 J	210	

TABLE 3.5

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

Well Number:	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*
SampleDate:	*5/19/2003*	*5/28/2004*	*6/17/2005*	*6/28/2005*	*6/26/2006*	*7/18/2007*	*7/23/2008*	*6/25/2009*	*6/16/2010*	*7/13/2011*	*6/12/2012*	*6/18/2013*	*6/13/2014*
Parameters													
Semi-volatiles (µg/L)-Continued													
2-Chlorophenol					18		17 J	31 / 26				28	
2-Methylnaphthalene													
2-Methylphenol	50 J		25 J		33	34 J	140	66 J / 50 J	42 J	30 J		29	23 J
2-Nitrophenol													
3,5-Dichlorotoluene													
4-Chloro-3-methylphenol	41 J				15		26	95 / 97	31 J			23	
4-Chlorophenyl phenyl ether													
4-Methylphenol	210 J		49 J	98 J	110	120 J	110	170 J / 140 J	130 J	83 J		89	53 J
Acetic acid													
Anthracene													
Benzo(a)pyrene													
Benzo(b)fluoranthene													
Benzo(g,h,i)perylene													
Benzo(k)fluoranthene													
Benzoic Acid	26000		1400 J	4700 J	14000 J	14000	7600 J	39000 J / 54000 J	9500	11000	8700	16000	14000
Benzyl Alcohol	640		23 J		48	580	38	1200 / 1300	610	450	600 J	380 J	290
Bis(2-Chloroethyl)Ether			24 J		24	30 J	16 J	29 / 28	34 J	28 J		26	19 J
bis(2-Ethylhexyl)Phthalate					53			4.4 J / 4.2 J					
Butyl benzylphthalate (BBP)													
Camphor													
Carbazole													
Chlorobenzoic acid													
Chrysene													
Dibenz(a,h)anthracene													
Diethyl phthalate													
Dimethyl Phthalate													
Dimethyl tetrasulfide													
Di-n-butyl phthalate (DBP)													
Di-n-octyl phthalate (DnOP)													
Fluoranthene													
Hexachlorobenzene													
Hexachloroethane													
Indeno(1,2,3-cd)pyrene													
Naphthalene			1800 J	4500 J									
N-Nitrosodiphenylamine													
Pentachlorophenol													
Phenanthrene													
Phenol	180 J			100 J	140	130 J	96	140 J / 160 J	100	82	89 J	92	62
Pyrene													

TABLE 3.5

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

Well Number:	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*
SampleDate:	*5/19/2003*	*5/28/2004*	*6/17/2005*	*6/28/2005*	*6/26/2006*	*7/18/2007*	*7/23/2008*	*6/25/2009*	*6/16/2010*	*7/13/2011*	*6/12/2012*	*6/18/2013*	*6/13/2014*
Parameters													
Pesticides/PCBs (µg/L)													
4,4'-DDD			0.19 J	0.11 J		0.081 J	0.13 J		0.048 J		0.036 J	0.089 J	
4,4'-DDE												0.053	
Aldrin						0.073	0.052 J	0.55 J / 0.55 J	0.063 J			0.16 J	0.060 J
Alpha-BHC	49		15	21 C	35	12	17	27 J / 32 J	4.0	21	7.1 J	20	21 J
Alpha-Chlordane						0.011 J							
Aroclor-1260 (PCB-1260)								12 J / 11 J					
beta&gamma-BHC (sum of isomers)													
Beta-BHC	15 J		3.4	5.6	7.1	3.7	4.4	11 J / 9.1 J	4.1	7.1	3.1	5.9	5.3 J
Delta-BHC	12		9.1	9.1	13	4.7	6.3	11 J / 12	0.28	7.3	1.6 J	5.2	4.8 J
Dieldrin													
Endosulfan I													
Endosulfan II			0.15 J					1.6 J / 2.3				0.053 J	0.12 J
Endosulfan Sulfate	1.3 J					0.34	0.37 J	1.5 J					
Endrin						0.034 J		1.9 / 1.3 J					
Endrin ketone													0.067 J
Gamma-BHC (Lindane)	7.1			0.32 J	4.8	2.1	2	7.4 J / 6.2 J	0.92	4.1	1.4 J	3.9	4.3 J
Gamma-Chlordane					.33 J	0.017 J						0.065	0.064 J
Heptachlor	0.61 J					0.092	0.19 J				0.71	0.15 J	0.23 J
Heptachlor epoxide	2.2 J		0.053			0.29	0.13 J	1.6 J / 1.7 J	0.10 J		0.089 J	0.22 J	0.23 J
Methoxychlor											0.036 J		

Notes:
D - Sample result is from a dilution.
C - Sample result was confirmed.
E - Sample result was greater than the highest calibration level.
N - Validator qualifier-presumptive certainty, usually used when there is a large difference in dual column results.
P - Lab qualifier used when there are large differences in dual column results.
J - Estimated.
U - Not detected at the associated reporting limit.
B - Detected in the blank sample.
Blank - Not detected
PCBs - Polychlorinated biphenyls.

TABLE 3.6A

1140 SERIES PIEZOMETERS WATER LEVELS - 2014
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

A WELLS

Well (1) / *Date*	*1144 (ft. AMSL)*	*1143 (ft. AMSL)*	*1142 (ft. AMSL)*	*1141 (ft. AMSL)*	*Tile Drain (ft. AMSL)*	*1140 (ft. AMSL)*
03/06/14	571.66	571.21	570.52	566.09	561.70	563.87
06/03/14	572.07	571.72	570.96	566.33	561.70	563.84
09/02/14	570.38	570.07	569.82	566.17	561.70	564.00
12/02/14	569.59	569.19	569.30	565.89	561.70	564.12

B WELLS

Well (1) / *Date*	*1144 (ft. AMSL)*	*1143 (ft. AMSL)*	*1142 (ft. AMSL)*	*1141 (ft. AMSL)*	*Tile Drain (ft. AMSL)*	*1140 (ft. AMSL)*
03/06/14	571.83	571.28	567.96	566.43	561.70	564.39
06/03/14	572.17	571.83	568.33	566.98	561.70	564.31
09/02/14	570.46	570.20	567.93	566.74	561.70	564.35
12/02/14	570.23	569.23	567.54	566.08	561.70	564.50

C WELLS

Well (1) / *Date*	*1144 (ft. AMSL)*	*1143 (ft. AMSL)*	*1142 (ft. AMSL)*	*Tile Drain (ft. AMSL)*
03/06/14	571.51	569.64	566.58	561.70
06/03/14	571.96	570.13	566.60	561.70
09/02/14	570.29	569.26	566.46	561.70
12/02/14	569.49	568.34	566.25	561.70

D WELLS

Well (1) / *Date*	*1144 (ft. AMSL)*	*1143 (ft. AMSL)*	*Tile Drain (ft. AMSL)*
03/06/14	570.44	569.02	561.70
06/03/14	570.67	568.79	561.70
09/02/14	569.85	568.48	561.70
12/02/14	568.77	567.84	561.70

Notes:

(1) Wells listed in order from most distant outside of tile drain, to tile drain, then inside of tile drain.
ft. AMSL Feet above mean sea level.

TABLE 3.6B

1150 SERIES PIEZOMETERS WATER LEVELS - 2014
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

A WELLS

Well (1) Date	*1154* (ft. AMSL)	*1153* (ft. AMSL)	*1151* (ft. AMSL)	*Tile Drain* (ft. AMSL)
03/06/14	572.19	569.00	567.18	561.85
06/03/14	572.16	569.00	566.80	561.85
09/02/14	571.87	568.44	566.86	561.85
12/02/14	571.60	568.93	567.05	561.85

B WELLS

Well (1) Date	*1154* (ft. AMSL)	*1153* (ft. AMSL)	*1151* (ft. AMSL)	*Tile Drain* (ft. AMSL)
03/06/14	567.84	569.02	567.54	561.85
06/03/14	567.99	568.83	567.95	561.85
09/02/14	567.94	568.92	567.67	561.85
12/02/14	567.95	570.02	567.51	561.85

C WELLS

Well (1) Date	*1154* (ft. AMSL)	*1153* (ft. AMSL)	*1151* (ft. AMSL)	*Tile Drain* (ft. AMSL)
03/06/14	568.47	572.11	568.88	561.85
06/03/14	568.40	570.91	569.34	561.85
09/02/14	568.14	570.22	568.15	561.85
12/02/14	568.02	576.49	567.25	561.85

D WELLS

Well (1) Date	*1153* (ft. AMSL)	*Tile Drain* (ft. AMSL)
03/06/14	571.59	561.85
06/03/14	571.16	561.85
09/02/14	569.61	561.85
12/02/14	570.81	561.85

Notes:

(1) Wells listed in order from most distant outside of tile drain, to tile drain, then

ft. AMSL Feet above mean sea level.

TABLE 3.6C

1160 SERIES PIEZOMETERS WATER LEVELS - 2014
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

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)*
03/06/14	569.84	571.69	568.66	569.34	565.52	560.60	565.19
06/03/14	569.72	571.80	568.68	570.28	565.32	560.60	564.92
09/02/14	568.76	571.39	568.54	569.57	565.19	560.60	564.81
12/02/14	570.62	571.27	568.61	569.17	565.13	560.60	564.95

B WELLS

Well (1)	*10176*	*1165*	*1163*	*1161*	*Tile Drain*
Date	*(ft. AMSL)*	*(ft. AMSL)*	*(ft. AMSL)*	*(ft. AMSL)*	*(ft. AMSL)*
03/06/14	570.01	571.53	569.29	566.96	560.60
06/03/14	569.83	571.80	570.16	566.92	560.60
09/02/14	568.89	570.94	569.68	566.86	560.60
12/02/14	570.28	570.67	569.14	566.83	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)*
03/06/14	568.84	572.39	569.57	569.57	568.84	560.60	566.17
06/03/14	568.60	572.80	570.65	570.35	569.53	560.60	566.19
09/02/14	568.75	572.20	570.16	569.75	569.15	560.60	566.57
12/02/14	568.65	571.66	569.36	569.41	568.79	560.60	566.43

D WELLS

Well (1)	*10176*	*1165*	*1163*	*1162*	*1161*	*Tile Drain*
Date	*(ft. AMSL)*	*(ft. AMSL)*	*(ft. AMSL)*	*(ft. AMSL)*	*(ft. AMSL)*	*(ft. AMSL)*
03/06/14	567.56	572.46	Dry	567.72	569.51	560.60
06/03/14	567.40	573.16	Dry	567.55	570.53	560.60
09/02/14	567.63	571.78	Dry	567.47	570.07	560.60
12/02/14	567.68	571.14	Dry	567.63	569.24	560.60

Notes:

(1) Wells listed in order from most distant outside of tile drain, to tile drain, then inside of tile drain.
ft. AMSL Feet above mean sea level.

TABLE 3.6D

1170 SERIES PIEZOMETERS WATER LEVELS - 2014
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

A WELLS

Well (1) Date	*1174* (ft. AMSL)	*1173* (ft. AMSL)	*1172* (ft. AMSL)	*1171* (ft. AMSL)	*Tile Drain* (ft. AMSL)	*1170* (ft. AMSL)
03/06/14	571.44	568.41	566.53	564.09	555.60	562.71
06/03/14	570.50	567.97	566.61	564.06	555.60	562.47
09/02/14	570.44	567.79	566.57	563.87	555.60	562.19
12/02/14	570.63	568.10	566.42	563.64	555.60	562.30

B WELLS

Well (1) Date	*1174* (ft. AMSL)	*1173* (ft. AMSL)	*1172* (ft. AMSL)	*1171* (ft. AMSL)	*Tile Drain* (ft. AMSL)	*1170* (ft. AMSL)
03/06/14	570.12	569.96	568.93	563.06	555.60	567.84
06/03/14	570.57	569.78	569.72	562.81	555.60	571.73
09/02/14	570.66	569.72	569.01	562.75	555.60	562.18
12/02/14	570.80	569.76	568.43	562.69	555.60	571.92

C WELLS

Well (1) Date	*1174* (ft. AMSL)	*1173* (ft. AMSL)	*1172* (ft. AMSL)	*1171* (ft. AMSL)	*Tile Drain* (ft. AMSL)
03/06/14	571.30	571.70	569.53	561.99	555.60
06/03/14	569.92	572.11	569.69	561.68	555.60
09/02/14	570.06	571.44	569.32	561.48	555.60
12/02/14	570.44	570.68	568.89	561.57	555.60

D WELLS

Well (1) Date	*1174* (ft. AMSL)	*1173* (ft. AMSL)	*Tile Drain* (ft. AMSL)
03/06/14	568.73	571.92	555.60
06/03/14	568.31	572.31	555.60
09/02/14	568.05	571.01	555.60
12/02/14	568.60	570.68	555.60

Notes:

(1) Wells listed in order from most distant outside of tile drain, to tile drain, then inside of tile drain.
ft. AMSL Feet above mean sea level.

TABLE 3.6E

1180 SERIES PIEZOMETERS WATER LEVELS - 2014
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

A WELLS

Well (1) Date	*1184 (ft. AMSL)*	*1183 (ft. AMSL)*	*1181 (ft. AMSL)*	*Tile Drain (ft. AMSL)*	*1180 (ft. AMSL)*
03/06/14	564.14	564.09	568.39	560.00	563.07
06/03/14	564.39	564.22	567.99	560.00	563.21
09/02/14	563.84	564.12	567.34	560.00	562.99
12/02/14	564.02	564.12	569.04	560.00	562.92

B WELLS

Well (1) Date	*1184 (ft. AMSL)*	*1183 (ft. AMSL)*	*1181 (ft. AMSL)*	*Tile Drain (ft. AMSL)*	*1180 (ft. AMSL)*
03/06/14	564.19	565.69	566.93	560.00	561.03
06/03/14	567.84	565.16	566.87	560.00	561.02
09/02/14	563.73	564.71	566.44	560.00	561.03
12/02/14	563.70	564.85	566.56	560.00	561.03

C WELLS

Well (1) Date	*1184 (ft. AMSL)*	*1183 (ft. AMSL)*	*1181 (ft. AMSL)*	*Tile Drain (ft. AMSL)*	*1180 (ft. AMSL)*
03/06/14	568.72	567.79	569.05	560.00	Dry
06/03/14	568.28	567.50	568.48	560.00	Dry
09/02/14	566.00	567.32	567.48	560.00	Dry
12/02/14	565.56	567.55	569.55	560.00	Dry

D WELLS

Well (1) Date	*1184 (ft. AMSL)*	*1183 (ft. AMSL)*	*Tile Drain (ft. AMSL)*
03/06/14	568.08	566.90	560.00
06/03/14	564.39	566.80	560.00
09/02/14	Dry	Dry	560.00
12/02/14	Dry	566.78	560.00

Notes:

(1) Wells listed in order from most distant outside of tile drain, to tile drain, then inside of tile drain.
ft. AMSL Feet above mean sea level.

TABLE 3.6F

1190 SERIES PIEZOMETERS WATER LEVELS - 2014
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

A WELLS

Well (1) Date	*1194* (ft. AMSL)	*1193* (ft. AMSL)	*1192* (ft. AMSL)	*1191* (ft. AMSL)	*Tile Drain* (ft. AMSL)	*1190* (ft. AMSL)
03/06/14	563.93	565.61	564.00	566.04	554.80	565.40
06/03/14	564.59	565.76	564.60	565.93	554.80	567.62
09/02/14	563.93	565.31	563.98	565.92	554.80	564.50
12/02/14	563.74	565.27	563.82	565.59	554.80	564.94

B WELLS

Well (1) Date	*1194* (ft. AMSL)	*1193* (ft. AMSL)	*1192* (ft. AMSL)	*1191* (ft. AMSL)	*Tile Drain* (ft. AMSL)	*1190* (ft. AMSL)
03/06/14	569.66	568.75	568.44	565.99	554.80	563.04
06/03/14	569.93	568.75	568.49	566.14	554.80	563.74
09/02/14	568.68	568.81	568.44	566.30	554.80	562.37
12/02/14	568.06	568.51	568.30	565.47	554.80	562.68

C WELLS

Well (1) Date	*1194* (ft. AMSL)	*1193* (ft. AMSL)	*1192* (ft. AMSL)	*1191* (ft. AMSL)	*Tile Drain* (ft. AMSL)
03/06/14	572.23	570.85	569.75	564.24	554.80
06/03/14	572.59	571.29	569.81	564.11	554.80
09/02/14	569.81	570.99	569.93	564.02	554.80
12/02/14	570.99	570.35	569.61	563.97	554.80

D WELLS

Well (1) Date	*1194* (ft. AMSL)	*1193* (ft. AMSL)	*Tile Drain* (ft. AMSL)
03/06/14	572.99	571.39	554.80
06/03/14	573.66	572.04	554.80
09/02/14	571.25	571.30	554.80
12/02/14	570.40	570.52	554.80

Notes:

(1) Wells listed in order from most distant outside of tile drain, to tile drain, then inside of tile drain.
ft. AMSL Feet above mean sea level.

Appendix A

2014 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

Joe Martens
Commissioner

December 1, 2014

Joseph Branch Project Coordinator
OCC/Glenn Springs Holdings, Inc.
7601 Old Channel Trail
P.O. Box 146
Montaque, MI 49437

RE: Reminder Notice: Site Management Periodic Review Report and IC/EC Certification Submittal
Site Name: Love Canal
Site No.: 932020
Site Address: 805 97th Street
Niagara Falls, NY 14304

Dear Joseph Branch:

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 at http://www.dec.ny.gov/regulations/67386.html) 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 **January 31, 2015**. Guidance on the content of a PRR is enclosed.

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 controls 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 (Box 6) must be signed by you or your designated representative. The Engineering Controls (ECs) portion of the form (Box 7) must be signed by a Qualified Environmental Professional (QEP). 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.

All site-related documents and data, including the PRR, are to be submitted in electronic format to the Department of Environmental Conservation. The Department will not approve the PRR unless all documents and data generated in support of that report have been submitted in accordance with the electronic submissions protocol. In addition, the certification forms are required to be submitted in both paper and electronic formats.

Information on the format of the data submissions can be found at:
http://www.dec.ny.gov/regulations/2586.html

The signed certification forms should be sent to Brian Sadowski, Project Manager, at the following address:

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

Phone number: 716-851-7220 E-mail: brian.sadowski@dec.ny.gov

The contact information above is also provided so that you may notify the project manager about upcoming inspections, or for any other questions or concerns that may arise in regard to the site.

Enclosures

PRR General Guidance
Certification Form Instructions
Certification Forms

ec: w/enclosures
Brian Sadowski, Project Manager
Greg Sutton, Hazardous Waste Remediation Engineer, Region 9
Jane Polovich, Conestoga Rovers and Associates, Division of GHD Group

Enclosure 1 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.

Enclosure 2
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: 70.0

Reporting Period: January 1, 2014 to December 31, 2014

	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. Otherwise continue.

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		
161.65-1-2		
161.73-1-2		
161.57-1-3		
161.65-1-3		
161.73-1-3		
161.57-1-4		
161.65-1-4		
161.73-1-4		
161.57-1-5		
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161.73-1-5		
161.57-1-6		
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161.57-1-7		
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161.73-1-7		
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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 engineering practices; and the information presented is accurate and complete.

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. Otherwise continue.

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 1, 2 and 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.

I Joseph Branch (print name) at 7601 Old Channel Trail Montague, MI 49437 (print business address),

am certifying as Remedial Party (Owner or Remedial Party)

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

Signature of Owner or Remedial Party Rendering Certification

1/28/2015
Date

IC/EC CERTIFICATIONS

Box 7

Qualified Environmental Professional Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I ROBERT G. ADAMS (print name) at CRA INFRASTRUCTURE & ENGINEERING, 285 DELAWARE AVE, BUFFALO NY (print business address)

am certifying as a Qualified Environmental Professional for the REMEDIAL PARTY (Owner or Remedial Party)

STATE OF NEW YORK ★ ROBERT G. ADAMS ★ 064918 ★ LICENSED PROFESSIONAL ENGINEER

Robert G. Adams

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

Stamp (Required for PE)

01/27/15

Date

Enclosure 3
Periodic Review Report (PRR) General Guidance

I. Executive Summary: (1/2-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 that have been made since remedy selection.

III. Evaluate Remedy Performance, Effectiveness, and Protectiveness
   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 and 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 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
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 Departments 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

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

Appendix B

2014 Semiannual Inspection Forms

Glenn Springs Holdings, Inc.

A subsidiary of Occidental Petroleum

Love Canal Semi-Annual Barrier Drain Manhole Inspection

Date 6/13/2014

Sector	MH No.	Location	Water Y/N	Level Feet	Debris Y/N	Structure OK	Cleaning Y/N	Comments
North Colvin	MH-10A	NW	Y	0	N	Y	N	
	MH-8A	NW	Y	1"	N	Y	N	
	MH-6C	NW	Y	2"	Y	Y	N	
	MH-6B	NW	Y	4"	Y	Y	N	
	MH-6A	NW	Y	2"	Y	Y	N	
	PC-2A	NW	Y	2.7'	N	Y	N	
	MH-4A	NW	Y	2"	N	Y	N	
	MH-2A	NW	Y	1"	N	Y	N	
	MH-2	SW	Y	1"	Y	Y	N	
	MH-4	SW	Y	1"	Y	Y	N	
	MH-6	SW	Y	2"	Y	Y	N	
	MH-8/PC2	SW	Y	2.4'	N	Y	N	
	MH-10	SW	Y	2"	Y	Y	N	
	MH-12	SW	Y	2"	N	Y	N	
South Frontier	MH-14	SW	Y	1"	N	Y	N	
North Colvin	NH-17A	NE	Y	0"	N	Y	N	
	MH-15A	NE	Y	1"	N	Y	N	
	MH-13A	NE	Y	1"	Y	Y	N	
	PC1A	NE	Y	4.0'	Y	Y	N	
	MH-11A	NE	Y	1"	Y	Y	N	
	MH-9A	NE	Y	1"	N	Y	N	
	MH-7A	NE	Y	1"	Y	Y	N	
	MH-5A	NE	Y	2"	Y	Y	N	
	MH-3A	NE	Y	2"	N	Y	N	
	MH-1A	NE	Y	2"	N	Y	N	
	MH-1	SE	Y	2"	Y	Y	N	
	MH-3	SE	Y	2"	Y	Y	N	
	MH-5	SE	Y	2"	Y	Y	N	
	MH-7/PC1	SE	Y	2.7'	N	Y	N	
	MH-9	SE	Y	3"	N	Y	N	
	MH-11	SE	Y	2"	Y	Y	N	
South Frontier	MH-13	SE	Y	2"	N	Y	N	

Signature: _____

Glenn Springs Holdings, Inc.

A subsidiary of Occidental Petroleum

Love Canal Semi-Annual Barrier Drain Manhole Inspection

Date 9/9/2014

Sector	MH No.	Location	Water Y/N	Level Feet	Debris Y/N	Structure OK	Cleaning Y/N	Comments
North Colvin	MH-10A	NW	Y	0	N	Y	N	
	MH-8A	NW	Y	1"	N	Y	N	
	MH-6C	NW	Y	1"	Y	Y	N	
	MH-6B	NW	Y	2"	Y	Y	N	
	MH-6A	NW	Y	2"	Y	Y	N	
	PC-2A	NW	Y	2.8'	N	Y	N	
	MH-4A	NW	Y	1"	N	Y	N	
	MH-2A	NW	Y	1"	N	Y	N	
	MH-2	SW	Y	1"	Y	Y	N	
	MH-4	SW	Y	1"	Y	Y	N	
	MH-6	SW	Y	2"	Y	Y	N	
	MH-8/PC2	SW	Y	1.9'	N	Y	N	
	MH-10	SW	Y	1"	Y	Y	N	
	MH-12	SW	Y	2"	N	Y	N	
South Frontier	MH-14	SW	Y	1"	N	Y	N	
North Colvin	NH-17A	NE	Y	0"	N	Y	N	
	MH-15A	NE	Y	1"	N	Y	N	
	MH-13A	NE	Y	1"	Y	Y	N	
	PC1A	NE	Y	2.5'	Y	Y	N	
	MH-11A	NE	Y	1"	Y	Y	N	
	MH-9A	NE	Y	1"	N	Y	N	
	MH-7A	NE	Y	1"	Y	Y	N	
	MH-5A	NE	Y	2"	Y	Y	N	
	MH-3A	NE	Y	2"	N	Y	N	
	MH-1A	NE	Y	2"	N	Y	N	
	MH-1	SE	Y	2"	Y	Y	N	
	MH-3	SE	Y	2"	Y	Y	N	
	MH-5	SE	Y	2"	Y	Y	N	
	MH-7/PC1	SE	Y	1.9'	N	Y	N	
	MH-9	SE	Y	2"	N	Y	N	
	MH-11	SE	Y	2"	Y	Y	N	
outh Frontier	MH-13	SE	Y	2"	N	Y	N	

Signature: _____

Glenn Springs Holdings, Inc.
A subsidiary of Occidental Petroleum

Love Canal Semiannual Barrier System / Pump Chamber Inspections

Date: 6/13/2014 ***Weather:*** Sunny
Inspector: Darrell Crockett

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 Maintenance
PC-1	Y	
PC-2	y	
PC-3	y	
PC-1A	y	
PC-2A	y	
PC-3A	y	

Comments:

Signature: 

Glenn Springs Holdings, Inc.
A subsidiary of Occidental Petroleum

Love Canal Semiannual Barrier System / Pump Chamber Inspections

Date: 12/10/2014 ***Weather:*** Cloudy
Inspector: Darrell Crockett

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 Maintenance
PC-1	Y	
PC-2	y	
PC-3	y	
PC-1A	y	
PC-2A	y	
PC-3A	y	

Comments:

Signature: Darrell Crockett

Glenn Springs Holdings, Inc.
A subsidiary of Occidental Petroleum

SEMIANNUAL LANDFILL CAP AND FENCE INSPECTION

Site: Love Canal
Date: 6/10/2014
Inspector: Darrell Corbett
Weather: Sunny

Inspection Item	Inspect For	Satisfactory
1. **Landfill Cover**	- erosion	(Y) / N
	- exposure of the HDPE Liner	(Y) / N
	- areas of insufficient grass coverage	(Y) / N
	- length of grass	(Y) / N
	- dead/dying grass	(Y) / N
	- washouts	(Y) / N
	- settlement causing ponding of water	Y (N) Near PC1
	- slope instability	(Y) / N
	- burrowing by animals	(Y) / N
	- rooting of trees	(Y) / N
2. **Perimeter Fence**	- integrity of fence	(Y) N
	- integrity of gates	(Y) N
	- integrity of locks	(Y) N
	- placement and condition of signs	(Y) / N

Comments/Remarks **(Note: If repair/maintenance is recommended, describe its location/extent below)**

Glenn Springs Holdings, Inc.
A subsidiary of Occidental Petroleum

SEMIANNUAL LANDFILL CAP AND FENCE INSPECTION

Site: Love Canal
Date: 12/10/2014
Inspector: Darrell Goslett
Weather: Cloudy

Inspection Item	Inspect For	Satisfactory
1. Landfill Cover	- erosion	(Y) / N
	- exposure of the HDPE Liner	(Y) / N
	- areas of insufficient grass coverage	(Y) / N
	- length of grass	(Y) / N
	- dead/dying grass	Y / (N)
	- washouts	Y / (N)
	- settlement causing ponding of water	(Y) / N Near PL1
	- slope instability	(Y) / N
	- burrowing by animals	(Y) / N
	- rooting of trees	(Y) / N
2. Perimeter Fence	- integrity of fence	(Y) / N
	- integrity of gates	(Y) / N
	- integrity of locks	(Y) / N
	- placement and condition of signs	(Y) / N

Comments/Remarks (Note: If repair/maintenance is recommended, describe its location/extent below)

Main gate, loops replaced both inner & outer
Cap liner starting to sink esp near PL1 roadway

Appendix C

Niagara Falls Water Board Wastewater Discharge Permit #44

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
Niagara Falls, New York 14304

Phone: 716.297.6150
Fax: 716.297.2265
Email: jpolovich@CRAworld.com
www.CRAworld.com

Appendix E

Laboratory Raw Data Package – June through July 2014 (CD)

Appendix F

Analytical Results and QA/QC Review
Long-Term Monitoring Program
Love Canal
June through July 2014

CONESTOGA-ROVERS & ASSOCIATES

E-Mail Date: August 20, 2014
E-Mail To: Joe Branch
c.c.: John Pentilchuk; Dennis Hoyt

ANALYTICAL RESULTS AND FULL VALIDATION
LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL
JUNE-JULY 2014

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]
Date: August 20, 2014
www.CRAworld.com

TABLE OF CONTENTS

LIST OF TABLES
(Following Text)

1.0 INTRODUCTION

The following document details a validation of analytical results for ground water samples collected in support of the Annual Long-Term Monitoring Program at the Love Canal Site during June and July 2014. Samples were submitted to TestAmerica Laboratory, Inc., located in Pittsburgh, Pennsylvania. A sample collection and analysis summary is presented in Table 1. The validated analytical results are summarized in Table 2. A summary of the analytical methodology and holding times is presented in Table 3.

Evaluation of the data was based on information obtained from the finished data sheets, raw data, chain of custody forms, calibration data, blank data, recovery data from surrogate spikes, laboratory control samples (LCS), and matrix spike samples (MS); and field quality assurance/quality control (QA/QC) samples. The assessment of analytical and in-house data included checks for: data consistency (by observing comparability of duplicate analyses); adherence to accuracy and precision criteria; and transmittal errors.

The quality assurance/quality control (QA/QC) criteria by which these data have been assessed are outlined in the analytical methods referenced in Table 3 and the documents entitled:

i) "Quality Assurance Project Plan", Appendix B of "Sampling Manual Long-Term Groundwater Monitoring Program", June 2013

ii) "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", United States Environmental Protection Agency (USEPA) 540/R-99-008, October 1999

Full Contract Laboratory Program (CLP) equivalent raw data deliverables were provided by the laboratory. The data quality assessment and validation presented in the following subsections were performed based on the sample results, supporting quality assurance/quality control (QA/QC) and all raw data provided.

2.0 SAMPLE HOLDING TIME AND PRESERVATION

The sample holding time criteria for the analyses are summarized in Table 3. Sample chain of custody documents and analytical reports were used to determine sample holding times. All samples were prepared and/or analyzed within the required holding times.

All samples were properly preserved and delivered on ice, and stored by the laboratory at the required temperature (0-6°C).

3.0 GAS CHROMATOGRAPH/MASS SPECTROMETER (GC/MS) TUNING AND MASS CALIBRATION (INSTRUMENT PERFORMANCE CHECK)

3.1 ORGANIC ANALYSES

Prior to volatile organic compound (VOC) and semi-volatile organic compound (SVOC) analysis, GC/MS instrumentation is tuned to ensure optimization over the mass range of interest. To evaluate instrument tuning, methods require the analysis of specific tuning compounds bromofluorobenzene (BFB) and decafluorotriphenylphosphine (DFTPP), respectively. The resulting spectra must meet the criteria cited in the methods before analysis is initiated. Analysis of the tuning compound must then be repeated every 12 hours throughout sample analysis to ensure the continued optimization of the instrument.

Tuning compounds were analyzed at the required frequency throughout the volatile and semi-volatile analysis periods. All tuning criteria were met; indicating that proper optimization of the instrumentation was achieved.

4.0 INSTRUMENT CALIBRATION

4.1 INITIAL CALIBRATION - ORGANIC ANALYSES

4.1.1 GC/MS

To quantify compounds of interest in samples, calibration of the GC/MS over a specific concentration range must be performed. Initially, a five-point calibration curve containing all compounds of interest is analyzed to characterize instrument response for each analyte over a specific concentration range. Linearity of the calibration curve and instrument sensitivity are evaluated against the following criteria:

i) All relative response factors (RRFs) must be greater than or equal to 0.05.

ii) The percent relative standard deviation (RSD) values must not exceed 30.0 percent or minimum correlation coefficient (R) of 0.995 and minimum coefficient of determination (R^2) of 0.99 if linear and quadratic equation calibration curves, respectively, are used.

The initial calibration data for VOCs and SVOCs were reviewed. All compounds met the above criteria for sensitivity and linearity.

4.1.2 GC

To quantify pesticides, the performance evaluation mixture (PEM) is analyzed at the beginning and end of the initial calibration sequence and throughout the analytical sequence. The results of these analyses are used to evaluate dichlorodiphenyltrichloroethane (DDT)/endrin breakdown, using the method degradation criteria of ≤15 percent. PEM standards were analyzed at the required frequency throughout sample analysis and all method performance criteria were met.

In order to quantify organic compounds of interest by GC, calibration of the gas chromatograph over a specific concentration range must be performed. Initially, a calibration curve consisting of a minimum of five concentration levels is analyzed for all single component compounds of interest and for polychlorinated biphenyls (PCBs) (Aroclors 1016 and 1260). A single calibration standard is analyzed for all other multi-response compounds. Linearity of the calibration curve is acceptable if all RSD values are less than or equal to 20.0 percent or if the correlation coefficient (R) is 0.995 or greater for linear regression curves.

Retention time windows are also calculated from the initial calibration analyses. These windows are then used to identify all compounds of interest in subsequent analyses.

All initial calibration standards were analyzed at the required frequencies. All retention time, peak resolution and linearity criteria were satisfied as specified in the methods.

4.3 CONTINUING CALIBRATION - ORGANICS ANALYSES

4.3.1 GC/MS

To ensure that instrument calibration for VOC and SVOC analyses is acceptable throughout the sample analysis period, continuing calibration standards must be analyzed and compared to the initial calibration curve every 12 hours.

The following criteria were employed to evaluate continuing calibration data:

i) All RRF values must be greater than or equal to 0.05.

ii) Percent difference (%D) values must not exceed 25 percent.

Calibration standards were analyzed at the required frequency, and the results met the above criteria for instrument sensitivity. Some VOCs exhibited variability between the initial and continuing calibration standards. A summary of qualified results is presented in Table 4.

4.3.2 GC

To ensure that the calibration of the instrument for organic analyses by GC is valid throughout the sample analysis period, continuing calibration standards are analyzed and evaluated on a regular basis. To evaluate the continued linearity of the calibration, %D values are calculated for each compound. As specified in the methods, all %D values should not exceed 15 percent. To ensure that compound retention times do not vary over the analysis period, all retention times for continuing calibration compounds must fall within the established retention time windows.

All continuing calibration standards were analyzed at the required frequency, and the results met the above criteria for instrument sensitivity

5.0 LABORATORY BLANK ANALYSES

Method blanks are prepared from a purified matrix and analyzed with investigative samples to determine the existence and magnitude of sample contamination introduced during the analytical procedures.

For this study, laboratory method blanks were analyzed at a minimum frequency of one per 20 investigative samples and/or one per analytical batch.

All method blank results were non-detect, indicating that laboratory contamination was not a factor for this investigation.

6.0 SURROGATE SPIKE RECOVERIES

In accordance with the methods employed, all samples, blanks and QC samples analyzed for organics are spiked with surrogate compounds prior to sample extraction and/or analysis. Surrogate recoveries provide a means to evaluate the effects of laboratory performance on individual sample matrices.

All samples submitted for VOC, SVOC, pesticide and PCB determinations were spiked with the appropriate number of surrogate compounds prior to sample extraction and/or analysis.

Each individual surrogate compound is expected to meet the laboratory control limits with the exception of semi-volatile organic compound (SVOC) analyses. According to the "Guidelines" for SVOC analyses, up to one outlying surrogate in the base/neutral or acid fractions is acceptable as long as the recovery is at least 10 percent.

Surrogate recoveries were assessed against laboratory control limits. All surrogate recoveries met the above criteria with the exception of one high pesticide surrogate recovery. All associated positive sample results were qualified as estimated. All non-detect data would not have been impacted by the implied high bias. A summary of qualified results is presented in Table 5.

7.0 INTERNAL STANDARDS ANALYSES

To ensure that changes in the GC/MS sensitivity and response do not affect sample analysis results, internal standard compounds are added to each sample prior to analysis. All results are then calculated as a ratio of the internal standard responses.

The sample internal standard results were evaluated against the following criteria:

i) The retention time of the internal standard must not vary more than ±30 seconds from the associated calibration standard.

ii) internal standard area counts must not vary by more than a factor of two (-50 percent to +100 percent) from the associated calibration standard.

All internal standard recoveries and retention times met the above criteria.

8.0 LABORATORY CONTROL SAMPLE (LCS) ANALYSES

LCS and/or laboratory control sample duplicates (LCSD) are prepared and analyzed as samples to assess the analytical efficiencies of the methods employed, independent of sample matrix effects. The relative percent difference (RPD) of the LCS/LCSD recoveries is used to evaluate analytical precision.

For this study, LCS were analyzed at a minimum frequency of one per 20 investigative samples and/or one per analytical batch. Some LCS were prepared in duplicate.

The LCS/LCSD contained all compounds of interest. All LCS recoveries and relative percent differences (where applicable) were within the laboratory control limits, demonstrating acceptable analytical accuracy and precision with the exception of some low VOC recoveries. The associated sample results were qualified as estimated based on the implied low bias. A summary of qualified results is presented in Table 6.

9.0 MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) ANALYSES - ORGANICS

To evaluate the effects of sample matrices on the extraction process, measurement procedures, and accuracy of a particular analysis, samples are spiked with a known concentration of the analyte of concern and analyzed as MS/MSD samples. The RPD between the MS and MSD is used to assess analytical precision.

MS/MSD analyses were performed at the proper frequency. The MS/MSD samples were spiked with all compounds of interest. All percent recoveries and RPD values were within the laboratory control limits, demonstrating good analytical accuracy and precision with the exception of some low SVOC outliers. The associated results were qualified as estimated to reflect the implied low bias. A summary of qualified sample results is presented in Table 7.

10.0 FIELD QA/QC SAMPLES

10.1 TRIP BLANKS

To evaluate contamination from sample collection, transportation, storage, and analytical activities, six trip blanks were submitted to the laboratory for VOC analysis. All results were non-detect for the compounds of interest.

10.2 RINSE BLANKS

To assess field decontamination procedures, ambient conditions at the site, and cleanliness of sample containers, two rinse blanks were submitted for analysis, as identified in Table 1. All results were non-detect for the analytes of interest with the exception of alpha-BHC, delta-BHC and gamma-BHC present at low concentrations. All associated sample results with similar concentrations were qualified as non-detect. A summary of qualified results is presented in Table 8.

10.3. FIELD DUPLICATES

To assess the analytical and sampling protocol precision, two field duplicate samples were collected and submitted "blind" to the laboratory, as specified in Table 1. The RPDs associated with these duplicate samples must be less than 50 percent for water samples. If the reported concentration in either the investigative sample or its duplicate is less than five times the practical quantitation limit (PQL), the evaluation criteria is one times the PQL value for water samples.

All field duplicate results were within acceptable agreement, demonstrating acceptable sampling and analytical precision.

11.0 TENTATIVELY IDENTIFIED COMPOUNDS (TICS)

Chromatographic peaks recorded during VOC and SVOC sample analyses that are not target compounds, surrogates, or internal standards, are potential TICs.

A summary of the TICs reported by the laboratory is presented in Table 9. Per the "Guidelines", TICs that were present in the method blanks or identified as solvent preservatives/aldol reaction products were rejected and are not included in the table.

12.0 DUAL COLUMN ANALYSIS

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 10). The associated data were qualified as estimated to reflect the implied variability.

13.0 ANALYTE REPORTING

The laboratory reported detected results down to the laboratory's method detection limit (MDL) for each analyte. Positive analyte detections less than the PQL but greater than the MDL were qualified as estimated (J) in Table 2 unless qualified otherwise in this memorandum. Non-detect results were presented as non-detect at the PQL in Table 2.

14.0 TARGET COMPOUND IDENTIFICATION

To minimize erroneous compound identification during organic analyses, qualitative criteria including compound retention time and mass spectra (if applicable) were evaluated according to the identification criteria established by the methods. The samples identified in Table 1 were reviewed. The organic compounds reported adhered to the specified identification criteria.

15.0 CONCLUSION

Based on this assessment of the information provided, the data produced by TestAmerica were found to exhibit acceptable levels of accuracy and precision and may be used with the qualifications noted.

TABLES

TABLE 1

SAMPLE COLLECTION AND ANALYSIS SUMMARY
LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL
JUNE-JULY 2014

				Analysis/Parameters				
Sample Identification	***Location***	***Collection Date (mm/dd/yyyy)***	***Collection Time (hr:min)***	***Pesticides***	***PCBs***	***Volatiles***	***Semi-Volatiles***	***Comments***
TB-9954-060914	-	6/9/2014	-			x		Trip Blank
WG-9954-060914-SG-001	7115	6/9/2014	15:45	x	x	x	x	
WG-9954-060914-SG-002	7125	6/9/2014	16:25	x	x	x	x	
WG-9954-061014-SG-003	7130	6/10/2014	09:05	x	x	x	x	
WG-9954-061014-SG-004	7130	6/10/2014	09:05	x	x	x	x	Field duplicate of sample WG-9954-061014-SG-003
WG-9954-061014-SG-005	7132	6/10/2014	10:00	x	x	x	x	
WG-9954-061014-SG-008	8125	6/10/2014	11:10	x	x	x	x	
WG-9954-061014-SG-009	9105	6/10/2014	12:00	x	x	x	x	
TB-9954-061114	-	6/11/2014	-			x		Trip Blank
WG-9954-061314-SG-020	10272	6/13/2014	13:55	x	x	x	x	
RB-9954-061314-SG-018	-	6/13/2014	11:15	x	x	x	x	Rinse Blank
WG-9954-061314-SG-007	3257	6/13/2014	08:55	x	x	x	x	
WG-9954-061314-SG-013	8115	6/13/2014	13:00	x	x	x	x	
WG-9954-061314-SG-014	8115	6/13/2014	13:00	x	x	x	x	Field duplicate of sample WG-9954-061314-SG-013
WG-9954-061314-SG-015	10135	6/13/2014	14:50	x	x	x	x	
WG-9954-061314-SG-016	10225C	6/13/2014	09:15	x	x	x	x	
WG-9954-061314-SG-017	10278	6/13/2014	10:15	x	x	x	x	
WG-9954-061314-SG-019	10270	6/13/2014	12:40	x	x	x	x	

TABLE 1

SAMPLE COLLECTION AND ANALYSIS SUMMARY
LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL
JUNE-JULY 2014

				Analysis/Parameters				
Sample Identification	***Location***	***Collection Date (mm/dd/yyyy)***	***Collection Time (hr:min)***	***Pesticides***	***PCBs***	***Volatiles***	***Semi-Volatiles***	***Comments***
TB-9954-062314	-	6/23/2014	-			x		Trip Blank
WG-9954-062314-SG-006	8106	6/23/2014	11:30	x	x	x	x	
WG-9954-062314-SG-010	9113	6/23/2014	16:05	x	x	x	x	
WG-9954-062514-SG-011	MW-01	6/25/2014	12:50	x	x	x	x	
WG-9954-062514-SG-012	MW-02	6/25/2014	13:55	x	x	x	x	
TB-9954-062614	-	6/26/2014	-			x		Trip Blank
WG-9954-062614-SG-021	9210	6/26/2014	11:20	x	x	x	x	
WG-9954-062614-SG-022	10205	6/26/2014	12:15	x	x	x	x	
WG-9954-062614-SG-023	10210B	6/26/2014	14:05	x	x	x	x	
WG-9954-062614-SG-024	10210C	6/26/2014	15:00	x	x	x	x	MS/MSD
WG-9954-062714-SG-026	10210A	6/27/2014	13:45	x	x	x	x	
WG-9954-062714-SG-028	10225A	6/27/2014	14:20	x	x	x	x	
WG-9954-062714-SG-027	10225B	6/27/2014	14:10	x	x	x	x	
RB-9954-062714-SG-025	-	6/27/2014	13:15	x	x	x	x	Rinse Blank
TB-9954-070814	-	7/8/2014	-			x		Trip Blank
WG-9954-070814-SG-029	5221	7/8/2014	09:25	x	x	x	x	
WG-9954-070814-SG-030	9205	7/8/2014	10:40	x	x	x	x	
WG-9954-070814-SG-031	8210	7/8/2014	11:30	x	x	x	x	

TABLE 1

SAMPLE COLLECTION AND ANALYSIS SUMMARY
LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL
JUNE-JULY 2014

				Analysis/Parameters				
Sample Identification	***Location***	***Collection Date (mm/dd/yyyy)***	***Collection Time (hr:min)***	***Pesticides***	***PCBs***	***Volatiles***	***Semi-Volatiles***	***Comments***
WG-9954-070814-SG-032	10215	7/8/2014	12:55	x	x	x	x	
WG-9954-070814-SG-033	10215	7/8/2014	12:55	x	x	x	x	Field duplicate of sample WG-9954-070814-SG-032
WG-9954-070914-SG-035	6209	7/9/2014	09:45	x	x	x	x	MS/MSD
WG-9954-070914-SG-036	7205	7/9/2014	11:05	x	x	x	x	
WG-9954-070914-SG-037	9118	7/9/2014	12:00	x	x	x	x	
TB-9954-070914	-	7/9/2014	-			x		Trip Blank
WG-9954-070914-SG-034	10178A	7/8/2014	14:15	x	x	x	x	

Notes:

- - Not Applicable
PCBs - Polychlorinated Biphenyls
MS - Matrix Spike
MSD - Matrix Spike Duplicate

TABLE 2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL
JUNE-JULY 2014

	Sample Location:	***3257***	***5221***	***6209***	***7115***
	Sample ID:	***WG-9954-061314-SG-007***	***WG-9954-070814-SG-029***	***WG-9954-070914-SG-035***	***WG-9954-060914-SG-001***
	Sample Date:	***6/13/2014***	***7/8/2014***	***7/9/2014***	***6/9/2014***
Parameters	***Units***				
Volatile Organic Compounds					
1,1,1-Trichloroethane	µg/L	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
1,1,2-Trichloroethane	µg/L	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
1,1-Dichloroethene	µg/L	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
1,2-Dichloropropane	µg/L	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 UJ
2-Hexanone	µg/L	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
Acetone	µg/L	20 UJ	5.2 J	20 UJ	20 UJ
Benzene	µg/L	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
Bromoform	µg/L	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
Carbon disulfide	µg/L	1.7 J	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
Chlorobenzene	µg/L	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
Chloroform (Trichloromethane)	µg/L	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
cis-1,2-Dichloroethene	µg/L	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
Dibromochloromethane	µg/L	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

TABLE 2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL
JUNE-JULY 2014

	Sample Location:	***3257***	***5221***	***6209***	***7115***
	Sample ID:	***WG-9954-061314-SG-007***	***WG-9954-070814-SG-029***	***WG-9954-070914-SG-035***	***WG-9954-060914-SG-001***
	Sample Date:	***6/13/2014***	***7/8/2014***	***7/9/2014***	***6/9/2014***
Parameters	***Units***				
Volatile Organic Compounds (Continued)					
Methylene chloride	µg/L	5.0 UJ	5.0 U	5.0 U	5.0 U
Styrene	µg/L	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
Toluene	µg/L	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
trans-1,3-Dichloropropene	µg/L	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
Vinyl acetate	µg/L	5.0 UJ	5.0 U	5.0 UJ	5.0 UJ
Vinyl chloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Xylenes (total)	µg/L	10 U	10 U	10 U	10 U
Semi-volatile Organic Compounds					
1,2,4-Trichlorobenzene	µg/L	9.4 U	9.5 U	9.4 U	9.5 U
1,2-Dichlorobenzene	µg/L	9.4 U	9.5 U	9.4 U	9.5 U
1,3-Dichlorobenzene	µg/L	9.4 U	9.5 U	9.4 U	9.5 U
1,4-Dichlorobenzene	µg/L	9.4 U	9.5 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	1.9 U
2,4,5-Trichlorophenol	µg/L	9.4 U	9.5 U	9.4 U	9.5 U
2,4,6-Trichlorophenol	µg/L	9.4 U	9.5 U	9.4 U	9.5 U
2,4-Dichlorophenol	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
2,4-Dimethylphenol	µg/L	9.4 U	9.5 U	9.4 U	9.5 U
2,4-Dinitrophenol	µg/L	47 U	48 U	47 U	48 U
2,4-Dinitrotoluene	µg/L	9.4 U	9.5 U	9.4 U	9.5 U
2,6-Dinitrotoluene	µg/L	9.4 U	9.5 U	9.4 U	9.5 U
2-Chloronaphthalene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL
JUNE-JULY 2014

	Sample Location:	***3257***	***5221***	***6209***	***7115***
	Sample ID:	***WG-9954-061314-SG-007***	***WG-9954-070814-SG-029***	***WG-9954-070914-SG-035***	***WG-9954-060914-SG-001***
	Sample Date:	***6/13/2014***	***7/8/2014***	***7/9/2014***	***6/9/2014***
Parameters	***Units***				
Semi-volatile Organic Compounds (Continued)					
2-Chlorophenol	µg/L	9.4 U	9.5 U	9.4 U	9.5 U
2-Methylnaphthalene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
2-Methylphenol	µg/L	9.4 U	9.5 U	9.4 U	9.5 U
2-Nitroaniline	µg/L	47 U	48 U	47 U	48 U
2-Nitrophenol	µg/L	9.4 U	9.5 U	9.4 U	9.5 U
3,3'-Dichlorobenzidine	µg/L	9.4 U	9.5 U	9.4 U	9.5 U
3-Nitroaniline	µg/L	47 U	48 U	47 U	48 U
4,6-Dinitro-2-methylphenol	µg/L	47 U	48 U	47 U	48 U
4-Bromophenyl phenyl ether	µg/L	9.4 U	9.5 U	9.4 U	9.5 U
4-Chloro-3-methylphenol	µg/L	9.4 U	9.5 U	9.4 U	9.5 U
4-Chloroaniline	µg/L	9.4 U	9.5 U	9.4 U	9.5 U
4-Chlorophenyl phenyl ether	µg/L	9.4 U	9.5 U	9.4 U	9.5 U
4-Methylphenol	µg/L	9.4 U	9.5 U	9.4 U	9.5 U
4-Nitroaniline	µg/L	47 U	48 U	47 U	48 U
4-Nitrophenol	µg/L	47 U	48 U	47 U	48 U
Acenaphthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Acenaphthylene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Anthracene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(a)anthracene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(a)pyrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(b)fluoranthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(g,h,i)perylene	µg/L	1.9 U	1.9 U	1.9 UJ	1.9 U
Benzo(k)fluoranthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzoic acid	µg/L	47 U	48 U	47 UJ	48 U
Benzyl alcohol	µg/L	9.4 U	9.5 U	9.4 U	9.5 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL
JUNE-JULY 2014

	Sample Location:	***3257***	***5221***	***6209***	***7115***
	Sample ID:	***WG-9954-061314-SG-007***	***WG-9954-070814-SG-029***	***WG-9954-070914-SG-035***	***WG-9954-060914-SG-001***
	Sample Date:	***6/13/2014***	***7/8/2014***	***7/9/2014***	***6/9/2014***
Parameters	***Units***				
Semi-volatile Organic Compounds (Continued)					
bis(2-Chloroethoxy)methane	µg/L	9.4 U	9.5 U	9.4 U	9.5 U
bis(2-Chloroethyl)ether	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
bis(2-Ethylhexyl)phthalate (DEHP)	µg/L	19 U	19 U	19 U	19 U
Butyl benzylphthalate (BBP)	µg/L	9.4 U	9.5 U	9.4 U	9.5 U
Chrysene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Dibenz(a,h)anthracene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Dibenzofuran	µg/L	9.4 U	9.5 U	9.4 U	9.5 U
Diethyl phthalate	µg/L	9.4 U	9.5 U	9.4 U	9.5 U
Dimethyl phthalate	µg/L	9.4 U	9.5 U	9.4 U	9.5 U
Di-n-butylphthalate (DBP)	µg/L	9.4 U	9.5 U	9.4 U	9.5 U
Di-n-octyl phthalate (DnOP)	µg/L	9.4 U	9.5 U	9.4 U	9.5 U
Fluoranthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Fluorene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Hexachlorobenzene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Hexachlorobutadiene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Hexachlorocyclopentadiene	µg/L	9.4 U	9.5 U	9.4 U	9.5 U
Hexachloroethane	µg/L	9.4 U	9.5 U	9.4 U	9.5 U
Indeno(1,2,3-cd)pyrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Isophorone	µg/L	9.4 U	9.5 U	9.4 U	9.5 U
Naphthalene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Nitrobenzene	µg/L	19 U	19 U	19 U	19 U
N-Nitrosodi-n-propylamine	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
N-Nitrosodiphenylamine	µg/L	9.4 U	9.5 U	9.4 U	9.5 U
Pentachlorophenol	µg/L	9.4 U	9.5 U	9.4 U	9.5 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL
JUNE-JULY 2014

	Sample Location:	*3257*	*5221*	*6209*	*7115*
	Sample ID:	*WG-9954-061314-SG-007*	*WG-9954-070814-SG-029*	*WG-9954-070914-SG-035*	*WG-9954-060914-SG-001*
	Sample Date:	*6/13/2014*	*7/8/2014*	*7/9/2014*	*6/9/2014*
Parameters	***Units***				
Semi-volatile Organic Compounds (Continued)					
Phenanthrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Phenol	µg/L	1.9 U	1.9 U	1.9 UJ	1.9 U
Pyrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Polychlorinated Biphenyls (PCBs)					
Aroclor-1016 (PCB-1016)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1221 (PCB-1221)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1232 (PCB-1232)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1242 (PCB-1242)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1248 (PCB-1248)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1254 (PCB-1254)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1260 (PCB-1260)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U
Pesticides					
4,4'-DDD	µg/L	0.047 U	0.047 U	0.047 U	0.048 U
4,4'-DDE	µg/L	0.047 U	0.047 U	0.047 U	0.048 U
4,4'-DDT	µg/L	0.047 U	0.047 U	0.047 U	0.048 U
Aldrin	µg/L	0.047 U	0.047 U	0.047 U	0.048 U
alpha-BHC	µg/L	0.047 U	0.047 U	0.047 U	0.048 U
alpha-Chlordane	µg/L	0.047 U	0.047 U	0.047 U	0.048 U
beta-BHC	µg/L	0.047 U	0.047 U	0.047 U	0.048 U
delta-BHC	µg/L	0.047 U	0.047 U	0.047 U	0.048 U
Dieldrin	µg/L	0.047 U	0.047 U	0.047 U	0.048 U
Endosulfan I	µg/L	0.047 U	0.047 U	0.047 U	0.048 U
Endosulfan II	µg/L	0.047 U	0.047 U	0.047 U	0.048 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL
JUNE-JULY 2014

	Sample Location:	***3257***	***5221***	***6209***	***7115***
	Sample ID:	***WG-9954-061314-SG-007***	***WG-9954-070814-SG-029***	***WG-9954-070914-SG-035***	***WG-9954-060914-SG-001***
	Sample Date:	***6/13/2014***	***7/8/2014***	***7/9/2014***	***6/9/2014***
Parameters	***Units***				
Pesticides (Continued)					
Endosulfan sulfate	µg/L	0.047 U	0.047 U	0.047 U	0.048 U
Endrin	µg/L	0.047 U	0.047 U	0.047 U	0.048 U
Endrin ketone	µg/L	0.047 U	0.047 U	0.047 U	0.048 U
gamma-BHC (lindane)	µg/L	0.047 U	0.047 U	0.047 U	0.048 U
gamma-Chlordane	µg/L	0.047 U	0.047 U	0.047 U	0.048 U
Heptachlor	µg/L	0.047 U	0.047 U	0.047 U	0.048 U
Heptachlor epoxide	µg/L	0.047 U	0.047 U	0.047 U	0.048 U
Methoxychlor	µg/L	0.094 U	0.094 U	0.094 U	0.095 U
Toxaphene	µg/L	3.8 U	3.8 U	3.8 U	3.8 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL
JUNE-JULY 2014

	Sample Location:	***7125***	***7130***	***7130***	***7132***
	Sample ID:	***WG-9954-060914-SG-002***	***WG-9954-061014-SG-003***	***WG-9954-061014-SG-004***	***WG-9954-061014-SG-005***
	Sample Date:	***6/9/2014***	***6/10/2014***	***6/10/2014 (Duplicate)***	***6/10/2014***
Parameters	***Units***				
Volatile Organic Compounds					
1,1,1-Trichloroethane	µg/L	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
1,1,2-Trichloroethane	µg/L	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
1,1-Dichloroethene	µg/L	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
1,2-Dichloropropane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ
2-Hexanone	µg/L	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
Acetone	µg/L	20 UJ	20 UJ	20 UJ	20 UJ
Benzene	µg/L	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
Bromoform	µg/L	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
Carbon disulfide	µg/L	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
Chlorobenzene	µg/L	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
Chloroform (Trichloromethane)	µg/L	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
cis-1,2-Dichloroethene	µg/L	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
Dibromochloromethane	µg/L	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

TABLE 2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL
JUNE-JULY 2014

	Sample Location:	***7125***	***7130***	***7130***	***7132***
	Sample ID:	***WG-9954-060914-SG-002***	***WG-9954-061014-SG-003***	***WG-9954-061014-SG-004***	***WG-9954-061014-SG-005***
	Sample Date:	***6/9/2014***	***6/10/2014***	***6/10/2014 (Duplicate)***	***6/10/2014***
Parameters	***Units***				
Volatile Organic Compounds (Continued)					
Methylene chloride	µg/L	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
Tetrachloroethene	µg/L	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
trans-1,2-Dichloroethene	µg/L	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
Trichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Vinyl acetate	µg/L	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ
Vinyl chloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Xylenes (total)	µg/L	10 U	10 U	10 U	10 U
Semi-volatile Organic Compounds					
1,2,4-Trichlorobenzene	µg/L	9.6 U	9.6 U	9.6 U	9.5 U
1,2-Dichlorobenzene	µg/L	9.6 U	9.6 U	9.6 U	9.5 U
1,3-Dichlorobenzene	µg/L	9.6 U	9.6 U	9.6 U	9.5 U
1,4-Dichlorobenzene	µg/L	9.6 U	9.6 U	9.6 U	9.5 U
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
2,4,5-Trichlorophenol	µg/L	9.6 U	9.6 U	9.6 U	9.5 U
2,4,6-Trichlorophenol	µg/L	9.6 U	9.6 U	9.6 U	9.5 U
2,4-Dichlorophenol	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
2,4-Dimethylphenol	µg/L	9.6 U	9.6 U	9.6 U	9.5 U
2,4-Dinitrophenol	µg/L	48 U	48 U	48 U	48 U
2,4-Dinitrotoluene	µg/L	9.6 U	9.6 U	9.6 U	9.5 U
2,6-Dinitrotoluene	µg/L	9.6 U	9.6 U	9.6 U	9.5 U
2-Chloronaphthalene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL
JUNE-JULY 2014

	Sample Location:	*7125*	*7130*	*7130*	*7132*
	Sample ID:	*WG-9954-060914-SG-002*	*WG-9954-061014-SG-003*	*WG-9954-061014-SG-004*	*WG-9954-061014-SG-005*
	Sample Date:	*6/9/2014*	*6/10/2014*	*6/10/2014 (Duplicate)*	*6/10/2014*
Parameters	***Units***				
Semi-volatile Organic Compounds (Continued)					
2-Chlorophenol	µg/L	9.6 U	9.6 U	9.6 U	9.5 U
2-Methylnaphthalene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
2-Methylphenol	µg/L	9.6 U	9.6 U	9.6 U	9.5 U
2-Nitroaniline	µg/L	48 U	48 U	48 U	48 U
2-Nitrophenol	µg/L	9.6 U	9.6 U	9.6 U	9.5 U
3,3'-Dichlorobenzidine	µg/L	9.6 U	9.6 U	9.6 U	9.5 U
3-Nitroaniline	µg/L	48 U	48 U	48 U	48 U
4,6-Dinitro-2-methylphenol	µg/L	48 U	48 U	48 U	48 U
4-Bromophenyl phenyl ether	µg/L	9.6 U	9.6 U	9.6 U	9.5 U
4-Chloro-3-methylphenol	µg/L	9.6 U	9.6 U	9.6 U	9.5 U
4-Chloroaniline	µg/L	9.6 U	9.6 U	9.6 U	9.5 U
4-Chlorophenyl phenyl ether	µg/L	9.6 U	9.6 U	9.6 U	9.5 U
4-Methylphenol	µg/L	9.6 U	9.6 U	9.6 U	9.5 U
4-Nitroaniline	µg/L	48 U	48 U	48 U	48 U
4-Nitrophenol	µg/L	48 U	48 U	48 U	48 U
Acenaphthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Acenaphthylene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Anthracene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(a)anthracene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(a)pyrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(b)fluoranthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(g,h,i)perylene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(k)fluoranthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzoic acid	µg/L	48 U	48 U	48 U	48 U
Benzyl alcohol	µg/L	9.6 U	9.6 U	9.6 U	9.5 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL
JUNE-JULY 2014

	Sample Location:	*7125*	*7130*	*7130*	*7132*
	Sample ID:	*WG-9954-060914-SG-002*	*WG-9954-061014-SG-003*	*WG-9954-061014-SG-004*	*WG-9954-061014-SG-005*
	Sample Date:	*6/9/2014*	*6/10/2014*	*6/10/2014 (Duplicate)*	*6/10/2014*
Parameters	***Units***				
Semi-volatile Organic Compounds (Continued)					
bis(2-Chloroethoxy)methane	µg/L	9.6 U	9.6 U	9.6 U	9.5 U
bis(2-Chloroethyl)ether	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
bis(2-Ethylhexyl)phthalate (DEHP)	µg/L	19 U	19 U	19 U	19 U
Butyl benzylphthalate (BBP)	µg/L	9.6 U	9.6 U	9.6 U	9.5 U
Chrysene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Dibenz(a,h)anthracene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Dibenzofuran	µg/L	9.6 U	9.6 U	9.6 U	9.5 U
Diethyl phthalate	µg/L	9.6 U	9.6 U	9.6 U	9.5 U
Dimethyl phthalate	µg/L	9.6 U	9.6 U	9.6 U	9.5 U
Di-n-butylphthalate (DBP)	µg/L	9.6 U	9.6 U	9.6 U	9.5 U
Di-n-octyl phthalate (DnOP)	µg/L	9.6 U	9.6 U	9.6 U	9.5 U
Fluoranthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Fluorene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Hexachlorobenzene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Hexachlorobutadiene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Hexachlorocyclopentadiene	µg/L	9.6 U	9.6 U	9.6 U	9.5 U
Hexachloroethane	µg/L	9.6 U	9.6 U	9.6 U	9.5 U
Indeno(1,2,3-cd)pyrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Isophorone	µg/L	9.6 U	9.6 U	9.6 U	9.5 U
Naphthalene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Nitrobenzene	µg/L	19 U	19 U	19 U	19 U
N-Nitrosodi-n-propylamine	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
N-Nitrosodiphenylamine	µg/L	9.6 U	9.6 U	9.6 U	9.5 U
Pentachlorophenol	µg/L	9.6 U	9.6 U	9.6 U	9.5 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL
JUNE-JULY 2014

	Sample Location:	*7125*	*7130*	*7130*	*7132*
	Sample ID:	*WG-9954-060914-SG-002*	*WG-9954-061014-SG-003*	*WG-9954-061014-SG-004*	*WG-9954-061014-SG-005*
	Sample Date:	*6/9/2014*	*6/10/2014*	*6/10/2014 (Duplicate)*	*6/10/2014*
Parameters	***Units***				
Semi-volatile Organic Compounds (Continued)					
Phenanthrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Phenol	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Pyrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Polychlorinated Biphenyls (PCBs)					
Aroclor-1016 (PCB-1016)	µg/L	0.38 U	0.38 U	0.037 U	0.38 U
Aroclor-1221 (PCB-1221)	µg/L	0.38 U	0.38 U	0.037 U	0.38 U
Aroclor-1232 (PCB-1232)	µg/L	0.38 U	0.38 U	0.037 U	0.38 U
Aroclor-1242 (PCB-1242)	µg/L	0.38 U	0.38 U	0.037 U	0.38 U
Aroclor-1248 (PCB-1248)	µg/L	0.38 U	0.38 U	0.037 U	0.38 U
Aroclor-1254 (PCB-1254)	µg/L	0.38 U	0.38 U	0.037 U	0.38 U
Aroclor-1260 (PCB-1260)	µg/L	0.38 U	0.38 U	0.037 U	0.38 U
Pesticides					
4,4'-DDD	µg/L	0.048 U	0.048 U	0.0046 U	0.048 U
4,4'-DDE	µg/L	0.048 U	0.048 U	0.0046 U	0.048 U
4,4'-DDT	µg/L	0.048 U	0.048 U	0.0046 U	0.048 U
Aldrin	µg/L	0.048 U	0.048 U	0.0046 U	0.048 U
alpha-BHC	µg/L	0.048 U	0.048 U	0.0046 U	0.048 U
alpha-Chlordane	µg/L	0.048 U	0.048 U	0.0046 U	0.048 U
beta-BHC	µg/L	0.048 U	0.048 U	0.0046 U	0.048 U
delta-BHC	µg/L	0.048 U	0.048 U	0.0046 U	0.048 U
Dieldrin	µg/L	0.048 U	0.048 U	0.0046 U	0.048 U
Endosulfan I	µg/L	0.048 U	0.048 U	0.0046 U	0.048 U
Endosulfan II	µg/L	0.048 U	0.048 U	0.0046 U	0.048 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL
JUNE-JULY 2014

	Sample Location:	***7125***	***7130***	***7130***	***7132***
	Sample ID:	***WG-9954-060914-SG-002***	***WG-9954-061014-SG-003***	***WG-9954-061014-SG-004***	***WG-9954-061014-SG-005***
	Sample Date:	***6/9/2014***	***6/10/2014***	***6/10/2014 (Duplicate)***	***6/10/2014***
Parameters	***Units***				
Pesticides (Continued)					
Endosulfan sulfate	µg/L	0.048 U	0.048 U	0.0046 U	0.048 U
Endrin	µg/L	0.048 U	0.048 U	0.0046 U	0.048 U
Endrin ketone	µg/L	0.048 U	0.048 U	0.0046 U	0.048 U
gamma-BHC (lindane)	µg/L	0.048 U	0.048 U	0.0046 U	0.048 U
gamma-Chlordane	µg/L	0.048 U	0.048 U	0.0046 U	0.048 U
Heptachlor	µg/L	0.048 U	0.048 U	0.0046 U	0.048 U
Heptachlor epoxide	µg/L	0.048 U	0.048 U	0.0046 U	0.048 U
Methoxychlor	µg/L	0.095 U	0.095 U	0.0092 U	0.095 U
Toxaphene	µg/L	3.8 U	3.8 U	0.37 U	3.8 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL
JUNE-JULY 2014

	Sample Location:	***7205***	***8106***	***8115***	***8115***
	Sample ID:	***WG-9954-070914-SG-036***	***WG-9954-062314-SG-006***	***WG-9954-061314-SG-013***	***WG-9954-061314-SG-014***
	Sample Date:	***7/9/2014***	***6/23/2014***	***6/13/2014***	***6/13/2014 (Duplicate)***
Parameters	***Units***				
Volatile Organic Compounds					
1,1,1-Trichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	µg/L	5.0 U	5.0 UJ	5.0 U	5.0 U
1,1,2-Trichloroethane	µg/L	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
1,1-Dichloroethene	µg/L	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
1,2-Dichloropropane	µg/L	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
2-Hexanone	µg/L	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
Acetone	µg/L	20 UJ	20 U	20 U	20 U
Benzene	µg/L	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
Bromoform	µg/L	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
Carbon disulfide	µg/L	1.2 J	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
Chlorobenzene	µg/L	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
Chloroform (Trichloromethane)	µg/L	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
cis-1,2-Dichloroethene	µg/L	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
Dibromochloromethane	µg/L	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

TABLE 2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL
JUNE-JULY 2014

	Sample Location:	***7205***	***8106***	***8115***	***8115***
	Sample ID:	***WG-9954-070914-SG-036***	***WG-9954-062314-SG-006***	***WG-9954-061314-SG-013***	***WG-9954-061314-SG-014***
	Sample Date:	***7/9/2014***	***6/23/2014***	***6/13/2014***	***6/13/2014 (Duplicate)***
Parameters	***Units***				
Volatile Organic Compounds (Continued)					
Methylene chloride	µg/L	5.0 U	5.0 UJ	5.0 U	5.0 U
Styrene	µg/L	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
Toluene	µg/L	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
trans-1,3-Dichloropropene	µg/L	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
Vinyl acetate	µg/L	5.0 UJ	5.0 UJ	5.0 U	5.0 U
Vinyl chloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Xylenes (total)	µg/L	10 U	10 U	10 U	10 U
Semi-volatile Organic Compounds					
1,2,4-Trichlorobenzene	µg/L	9.5 U	9.5 U	9.4 U	9.4 U
1,2-Dichlorobenzene	µg/L	9.5 U	9.5 U	9.4 U	9.4 U
1,3-Dichlorobenzene	µg/L	9.5 U	9.5 U	9.4 U	9.4 U
1,4-Dichlorobenzene	µg/L	9.5 U	9.5 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	1.9 U
2,4,5-Trichlorophenol	µg/L	9.5 U	9.5 U	9.4 U	9.4 U
2,4,6-Trichlorophenol	µg/L	9.5 U	9.5 U	9.4 U	9.4 U
2,4-Dichlorophenol	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
2,4-Dimethylphenol	µg/L	9.5 U	9.5 U	9.4 U	9.4 U
2,4-Dinitrophenol	µg/L	48 U	48 U	47 U	47 U
2,4-Dinitrotoluene	µg/L	9.5 U	9.5 U	9.4 U	9.4 U
2,6-Dinitrotoluene	µg/L	9.5 U	9.5 U	9.4 U	9.4 U
2-Chloronaphthalene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL
JUNE-JULY 2014

	Sample Location:	*7205*	*8106*	*8115*	*8115*
	Sample ID:	*WG-9954-070914-SG-036*	*WG-9954-062314-SG-006*	*WG-9954-061314-SG-013*	*WG-9954-061314-SG-014*
	Sample Date:	*7/9/2014*	*6/23/2014*	*6/13/2014*	*6/13/2014 (Duplicate)*
Parameters	***Units***				
Semi-volatile Organic Compounds (Continued)					
2-Chlorophenol	µg/L	9.5 U	9.5 U	9.4 U	9.4 U
2-Methylnaphthalene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
2-Methylphenol	µg/L	9.5 U	9.5 U	9.4 U	9.4 U
2-Nitroaniline	µg/L	48 U	48 U	47 U	47 U
2-Nitrophenol	µg/L	9.5 U	9.5 U	9.4 U	9.4 U
3,3'-Dichlorobenzidine	µg/L	9.5 U	9.5 U	9.4 U	9.4 U
3-Nitroaniline	µg/L	48 U	48 U	47 U	47 U
4,6-Dinitro-2-methylphenol	µg/L	48 U	48 U	47 U	47 U
4-Bromophenyl phenyl ether	µg/L	9.5 U	9.5 U	9.4 U	9.4 U
4-Chloro-3-methylphenol	µg/L	9.5 U	9.5 U	9.4 U	9.4 U
4-Chloroaniline	µg/L	9.5 U	9.5 U	9.4 U	9.4 U
4-Chlorophenyl phenyl ether	µg/L	9.5 U	9.5 U	9.4 U	9.4 U
4-Methylphenol	µg/L	9.5 U	9.5 U	9.4 U	9.4 U
4-Nitroaniline	µg/L	48 U	48 U	47 U	47 U
4-Nitrophenol	µg/L	48 U	48 U	47 U	47 U
Acenaphthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Acenaphthylene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Anthracene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(a)anthracene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(a)pyrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(b)fluoranthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(g,h,i)perylene	µg/L	1.9 UJ	1.9 U	1.9 U	1.9 U
Benzo(k)fluoranthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzoic acid	µg/L	48 U	48 U	47 U	47 U
Benzyl alcohol	µg/L	9.5 U	9.5 U	9.4 U	9.4 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL
JUNE-JULY 2014

	Sample Location:	*7205*	*8106*	*8115*	*8115*
	Sample ID:	*WG-9954-070914-SG-036*	*WG-9954-062314-SG-006*	*WG-9954-061314-SG-013*	*WG-9954-061314-SG-014*
	Sample Date:	*7/9/2014*	*6/23/2014*	*6/13/2014*	*6/13/2014 (Duplicate)*
Parameters	***Units***				
Semi-volatile Organic Compounds (Continued)					
bis(2-Chloroethoxy)methane	µg/L	9.5 U	9.5 U	9.4 U	9.4 U
bis(2-Chloroethyl)ether	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
bis(2-Ethylhexyl)phthalate (DEHP)	µg/L	19 U	19 U	19 U	19 U
Butyl benzylphthalate (BBP)	µg/L	9.5 U	9.5 U	9.4 U	9.4 U
Chrysene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Dibenz(a,h)anthracene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Dibenzofuran	µg/L	9.5 U	9.5 U	9.4 U	9.4 U
Diethyl phthalate	µg/L	9.5 U	9.5 U	9.4 U	9.4 U
Dimethyl phthalate	µg/L	9.5 U	9.5 U	9.4 U	9.4 U
Di-n-butylphthalate (DBP)	µg/L	9.5 U	9.5 U	9.4 U	9.4 U
Di-n-octyl phthalate (DnOP)	µg/L	9.5 U	9.5 U	9.4 U	9.4 U
Fluoranthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Fluorene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Hexachlorobenzene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Hexachlorobutadiene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Hexachlorocyclopentadiene	µg/L	9.5 U	9.5 U	9.4 U	9.4 U
Hexachloroethane	µg/L	9.5 U	9.5 U	9.4 U	9.4 U
Indeno(1,2,3-cd)pyrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Isophorone	µg/L	9.5 U	9.5 U	9.4 U	9.4 U
Naphthalene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Nitrobenzene	µg/L	19 U	19 U	19 U	19 U
N-Nitrosodi-n-propylamine	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
N-Nitrosodiphenylamine	µg/L	9.5 U	9.5 U	9.4 U	9.4 U
Pentachlorophenol	µg/L	9.5 U	9.5 U	9.4 U	9.4 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL
JUNE-JULY 2014

	Sample Location:	*7205*	*8106*	*8115*	*8115*
	Sample ID:	*WG-9954-070914-SG-036*	*WG-9954-062314-SG-006*	*WG-9954-061314-SG-013*	*WG-9954-061314-SG-014*
	Sample Date:	*7/9/2014*	*6/23/2014*	*6/13/2014*	*6/13/2014 (Duplicate)*
Parameters	***Units***				
Semi-volatile Organic Compounds (Continued)					
Phenanthrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Phenol	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Pyrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Polychlorinated Biphenyls (PCBs)					
Aroclor-1016 (PCB-1016)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1221 (PCB-1221)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1232 (PCB-1232)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1242 (PCB-1242)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1248 (PCB-1248)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1254 (PCB-1254)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1260 (PCB-1260)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U
Pesticides					
4,4'-DDD	µg/L	0.047 U	0.047 U	0.047 U	0.047 U
4,4'-DDE	µg/L	0.047 U	0.047 U	0.047 U	0.047 U
4,4'-DDT	µg/L	0.047 U	0.047 U	0.047 U	0.047 U
Aldrin	µg/L	0.047 U	0.047 U	0.047 U	0.047 U
alpha-BHC	µg/L	0.047 U	0.047 U	0.047 U	0.047 U
alpha-Chlordane	µg/L	0.047 U	0.047 U	0.047 U	0.047 U
beta-BHC	µg/L	0.047 U	0.047 U	0.047 U	0.047 U
delta-BHC	µg/L	0.047 U	0.047 U	0.047 U	0.047 U
Dieldrin	µg/L	0.047 U	0.047 U	0.047 U	0.047 U
Endosulfan I	µg/L	0.047 U	0.047 U	0.047 U	0.047 U
Endosulfan II	µg/L	0.047 U	0.047 U	0.047 U	0.047 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL
JUNE-JULY 2014

	Sample Location:	***7205***	***8106***	***8115***	***8115***
	Sample ID:	***WG-9954-070914-SG-036***	***WG-9954-062314-SG-006***	***WG-9954-061314-SG-013***	***WG-9954-061314-SG-014***
	Sample Date:	***7/9/2014***	***6/23/2014***	***6/13/2014***	***6/13/2014 (Duplicate)***
Parameters	***Units***				
Pesticides (Continued)					
Endosulfan sulfate	µg/L	0.047 U	0.047 U	0.047 U	0.047 U
Endrin	µg/L	0.047 U	0.047 U	0.047 U	0.047 U
Endrin ketone	µg/L	0.047 U	0.047 U	0.047 U	0.047 U
gamma-BHC (lindane)	µg/L	0.047 U	0.047 U	0.047 U	0.047 U
gamma-Chlordane	µg/L	0.047 U	0.047 U	0.047 U	0.047 U
Heptachlor	µg/L	0.047 U	0.047 U	0.047 U	0.047 U
Heptachlor epoxide	µg/L	0.047 U	0.047 U	0.047 U	0.047 U
Methoxychlor	µg/L	0.094 U	0.094 U	0.094 U	0.094 U
Toxaphene	µg/L	3.8 U	3.8 U	3.8 U	3.8 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL
JUNE-JULY 2014

	Sample Location:	***8125***	***8210***	***9105***	***9113***
	Sample ID:	***WG-9954-061014-SG-008***	***WG-9954-070814-SG-031***	***WG-9954-061014-SG-009***	***WG-9954-062314-SG-010***
	Sample Date:	***6/10/2014***	***7/8/2014***	***6/10/2014***	***6/23/2014***
Parameters	***Units***				
Volatile Organic Compounds					
1,1,1-Trichloroethane	µg/L	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
1,1,2-Trichloroethane	µg/L	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
1,1-Dichloroethene	µg/L	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
1,2-Dichloropropane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	5.0 UJ	5.0 U	5.0 UJ	5.0 U
2-Hexanone	µg/L	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
Acetone	µg/L	20 UJ	20 U	20 UJ	20 U
Benzene	µg/L	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
Bromoform	µg/L	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
Carbon disulfide	µg/L	5.0 U	1.2 J	5.0 U	5.0 U
Carbon tetrachloride	µg/L	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
Chloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 UJ
Chloroform (Trichloromethane)	µg/L	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
cis-1,2-Dichloroethene	µg/L	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
Dibromochloromethane	µg/L	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

TABLE 2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL
JUNE-JULY 2014

	Sample Location:	***8125***	***8210***	***9105***	***9113***
	Sample ID:	***WG-9954-061014-SG-008***	***WG-9954-070814-SG-031***	***WG-9954-061014-SG-009***	***WG-9954-062314-SG-010***
	Sample Date:	***6/10/2014***	***7/8/2014***	***6/10/2014***	***6/23/2014***
Parameters	***Units***				
Volatile Organic Compounds (Continued)					
Methylene chloride	µg/L	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
Tetrachloroethene	µg/L	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
trans-1,2-Dichloroethene	µg/L	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
Trichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Vinyl acetate	µg/L	5.0 UJ	5.0 U	5.0 UJ	5.0 U
Vinyl chloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Xylenes (total)	µg/L	10 U	10 U	10 U	10 U
Semi-volatile Organic Compounds					
1,2,4-Trichlorobenzene	µg/L	9.5 U	9.4 U	9.5 U	9.4 U
1,2-Dichlorobenzene	µg/L	9.5 U	9.4 U	9.5 U	9.4 U
1,3-Dichlorobenzene	µg/L	9.5 U	9.4 U	9.5 U	9.4 U
1,4-Dichlorobenzene	µg/L	9.5 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	1.9 U	1.9 U
2,4,5-Trichlorophenol	µg/L	9.5 U	9.4 U	9.5 U	9.4 U
2,4,6-Trichlorophenol	µg/L	9.5 U	9.4 U	9.5 U	9.4 U
2,4-Dichlorophenol	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
2,4-Dimethylphenol	µg/L	9.5 U	9.4 U	9.5 U	9.4 U
2,4-Dinitrophenol	µg/L	48 U	47 U	48 U	47 U
2,4-Dinitrotoluene	µg/L	9.5 U	9.4 U	9.5 U	9.4 U
2,6-Dinitrotoluene	µg/L	9.5 U	9.4 U	9.5 U	9.4 U
2-Chloronaphthalene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL
JUNE-JULY 2014

	Sample Location:	*8125*	*8210*	*9105*	*9113*
	Sample ID:	*WG-9954-061014-SG-008*	*WG-9954-070814-SG-031*	*WG-9954-061014-SG-009*	*WG-9954-062314-SG-010*
	Sample Date:	*6/10/2014*	*7/8/2014*	*6/10/2014*	*6/23/2014*
Parameters	***Units***				
Semi-volatile Organic Compounds (Continued)					
2-Chlorophenol	µg/L	9.5 U	9.4 U	9.5 U	9.4 U
2-Methylnaphthalene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
2-Methylphenol	µg/L	9.5 U	9.4 U	9.5 U	9.4 U
2-Nitroaniline	µg/L	48 U	47 U	48 U	47 U
2-Nitrophenol	µg/L	9.5 U	9.4 U	9.5 U	9.4 U
3,3'-Dichlorobenzidine	µg/L	9.5 U	9.4 U	9.5 U	9.4 U
3-Nitroaniline	µg/L	48 U	47 U	48 U	47 U
4,6-Dinitro-2-methylphenol	µg/L	48 U	47 U	48 U	47 U
4-Bromophenyl phenyl ether	µg/L	9.5 U	9.4 U	9.5 U	9.4 U
4-Chloro-3-methylphenol	µg/L	9.5 U	9.4 U	9.5 U	9.4 U
4-Chloroaniline	µg/L	9.5 U	9.4 U	9.5 U	9.4 U
4-Chlorophenyl phenyl ether	µg/L	9.5 U	9.4 U	9.5 U	9.4 U
4-Methylphenol	µg/L	9.5 U	9.4 U	9.5 U	9.4 U
4-Nitroaniline	µg/L	48 U	47 U	48 U	47 U
4-Nitrophenol	µg/L	48 U	47 U	48 U	47 U
Acenaphthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Acenaphthylene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Anthracene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(a)anthracene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(a)pyrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(b)fluoranthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(g,h,i)perylene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(k)fluoranthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzoic acid	µg/L	48 U	47 U	48 U	47 U
Benzyl alcohol	µg/L	9.5 U	9.4 U	9.5 U	9.4 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL
JUNE-JULY 2014

	Sample Location:	***8125***	***8210***	***9105***	***9113***
	Sample ID:	***WG-9954-061014-SG-008***	***WG-9954-070814-SG-031***	***WG-9954-061014-SG-009***	***WG-9954-062314-SG-010***
	Sample Date:	***6/10/2014***	***7/8/2014***	***6/10/2014***	***6/23/2014***
Parameters	***Units***				
Semi-volatile Organic Compounds (Continued)					
bis(2-Chloroethoxy)methane	µg/L	9.5 U	9.4 U	9.5 U	9.4 U
bis(2-Chloroethyl)ether	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
bis(2-Ethylhexyl)phthalate (DEHP)	µg/L	19 U	19 U	19 U	19 U
Butyl benzylphthalate (BBP)	µg/L	9.5 U	9.4 U	9.5 U	9.4 U
Chrysene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Dibenz(a,h)anthracene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Dibenzofuran	µg/L	9.5 U	9.4 U	9.5 U	9.4 U
Diethyl phthalate	µg/L	9.5 U	9.4 U	9.5 U	9.4 U
Dimethyl phthalate	µg/L	9.5 U	9.4 U	9.5 U	9.4 U
Di-n-butylphthalate (DBP)	µg/L	9.5 U	9.4 U	9.5 U	9.4 U
Di-n-octyl phthalate (DnOP)	µg/L	9.5 U	9.4 U	9.5 U	9.4 U
Fluoranthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Fluorene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Hexachlorobenzene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Hexachlorobutadiene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Hexachlorocyclopentadiene	µg/L	9.5 U	9.4 U	9.5 U	9.4 U
Hexachloroethane	µg/L	9.5 U	9.4 U	9.5 U	9.4 U
Indeno(1,2,3-cd)pyrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Isophorone	µg/L	9.5 U	9.4 U	9.5 U	9.4 U
Naphthalene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Nitrobenzene	µg/L	19 U	19 U	19 U	19 U
N-Nitrosodi-n-propylamine	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
N-Nitrosodiphenylamine	µg/L	9.5 U	9.4 U	9.5 U	9.4 U
Pentachlorophenol	µg/L	9.5 U	9.4 U	9.5 U	9.4 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL
JUNE-JULY 2014

	Sample Location:	*8125*	*8210*	*9105*	*9113*
	Sample ID:	*WG-9954-061014-SG-008*	*WG-9954-070814-SG-031*	*WG-9954-061014-SG-009*	*WG-9954-062314-SG-010*
	Sample Date:	*6/10/2014*	*7/8/2014*	*6/10/2014*	*6/23/2014*
Parameters	***Units***				
Semi-volatile Organic Compounds (Continued)					
Phenanthrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Phenol	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Pyrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Polychlorinated Biphenyls (PCBs)					
Aroclor-1016 (PCB-1016)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1221 (PCB-1221)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1232 (PCB-1232)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1242 (PCB-1242)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1248 (PCB-1248)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1254 (PCB-1254)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1260 (PCB-1260)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U
Pesticides					
4,4'-DDD	µg/L	0.048 U	0.047 U	0.047 U	0.047 U
4,4'-DDE	µg/L	0.048 U	0.047 U	0.047 U	0.047 U
4,4'-DDT	µg/L	0.048 U	0.047 U	0.047 U	0.047 U
Aldrin	µg/L	0.048 U	0.047 U	0.047 U	0.047 U
alpha-BHC	µg/L	0.048 U	0.047 U	0.047 U	0.047 U
alpha-Chlordane	µg/L	0.048 U	0.047 U	0.047 U	0.047 U
beta-BHC	µg/L	0.048 U	0.047 U	0.047 U	0.047 U
delta-BHC	µg/L	0.048 U	0.047 U	0.047 U	0.047 U
Dieldrin	µg/L	0.048 U	0.047 U	0.047 U	0.047 U
Endosulfan I	µg/L	0.048 U	0.047 U	0.047 U	0.047 U
Endosulfan II	µg/L	0.048 U	0.047 U	0.047 U	0.047 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL
JUNE-JULY 2014

	Sample Location:	*8125*	*8210*	*9105*	*9113*
	Sample ID:	*WG-9954-061014-SG-008*	*WG-9954-070814-SG-031*	*WG-9954-061014-SG-009*	*WG-9954-062314-SG-010*
	Sample Date:	*6/10/2014*	*7/8/2014*	*6/10/2014*	*6/23/2014*
Parameters	***Units***				
Pesticides (Continued)					
Endosulfan sulfate	µg/L	0.048 U	0.047 U	0.047 U	0.047 U
Endrin	µg/L	0.048 U	0.047 U	0.047 U	0.047 U
Endrin ketone	µg/L	0.048 U	0.047 U	0.047 U	0.047 U
gamma-BHC (lindane)	µg/L	0.048 U	0.047 U	0.047 U	0.047 U
gamma-Chlordane	µg/L	0.048 U	0.047 U	0.047 U	0.047 U
Heptachlor	µg/L	0.048 U	0.047 U	0.047 U	0.047 U
Heptachlor epoxide	µg/L	0.048 U	0.047 U	0.047 U	0.047 U
Methoxychlor	µg/L	0.096 U	0.094 U	0.094 U	0.094 U
Toxaphene	µg/L	3.8 U	3.8 U	3.8 U	3.8 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL
JUNE-JULY 2014

	Sample Location:	***9118***	***9205***	***9210***	***10135***
	Sample ID:	***WG-9954-070914-SG-037***	***WG-9954-070814-SG-030***	***WG-9954-062614-SG-021***	***WG-9954-061314-SG-015***
	Sample Date:	***7/9/2014***	***7/8/2014***	***6/26/2014***	***6/13/2014***
Parameters	***Units***				
Volatile Organic Compounds					
1,1,1-Trichloroethane	µg/L	5.0 U	5.0 U	5.0 U	630 U
1,1,2,2-Tetrachloroethane	µg/L	5.0 U	5.0 U	5.0 U	630 U
1,1,2-Trichloroethane	µg/L	5.0 U	5.0 U	5.0 U	630 U
1,1-Dichloroethane	µg/L	5.0 U	5.0 U	5.0 U	630 U
1,1-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	630 U
1,2-Dichloroethane	µg/L	5.0 U	5.0 U	5.0 U	630 U
1,2-Dichloropropane	µg/L	5.0 U	5.0 U	5.0 U	630 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	5.0 U	5.0 U	5.0 U	630 U
2-Hexanone	µg/L	5.0 U	5.0 U	5.0 U	630 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	5.0 U	5.0 U	5.0 U	630 U
Acetone	µg/L	20 UJ	20 U	20 U	2500 UJ
Benzene	µg/L	5.0 U	5.0 U	5.0 U	6100
Bromodichloromethane	µg/L	5.0 U	5.0 U	5.0 U	630 U
Bromoform	µg/L	5.0 U	5.0 U	5.0 U	630 U
Bromomethane (Methyl bromide)	µg/L	5.0 U	5.0 U	5.0 U	630 U
Carbon disulfide	µg/L	5.0 U	5.0 U	5.0 U	630 UJ
Carbon tetrachloride	µg/L	5.0 U	5.0 U	5.0 U	630 U
Chlorobenzene	µg/L	5.0 U	5.0 U	5.0 U	2300
Chloroethane	µg/L	5.0 U	5.0 U	5.0 UJ	630 U
Chloroform (Trichloromethane)	µg/L	5.0 U	5.0 U	5.0 U	630 U
Chloromethane (Methyl chloride)	µg/L	5.0 U	5.0 U	5.0 U	630 U
cis-1,2-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	630 U
cis-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	5.0 U	630 U
Dibromochloromethane	µg/L	5.0 U	5.0 U	5.0 U	630 U
Ethylbenzene	µg/L	5.0 U	5.0 U	5.0 U	630 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL
JUNE-JULY 2014

	Sample Location:	***9118***	***9205***	***9210***	***10135***
	Sample ID:	***WG-9954-070914-SG-037***	***WG-9954-070814-SG-030***	***WG-9954-062614-SG-021***	***WG-9954-061314-SG-015***
	Sample Date:	***7/9/2014***	***7/8/2014***	***6/26/2014***	***6/13/2014***
Parameters	***Units***				
Volatile Organic Compounds (Continued)					
Methylene chloride	µg/L	5.0 U	5.0 U	5.0 U	630 UJ
Styrene	µg/L	5.0 U	5.0 U	5.0 U	630 U
Tetrachloroethene	µg/L	5.0 U	5.0 U	5.0 U	630 U
Toluene	µg/L	5.0 U	5.0 U	5.0 U	20000
trans-1,2-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	630 U
trans-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	5.0 U	630 U
Trichloroethene	µg/L	5.0 U	5.0 U	5.0 U	630 U
Vinyl acetate	µg/L	5.0 UJ	5.0 U	5.0 U	630 UJ
Vinyl chloride	µg/L	5.0 U	5.0 U	5.0 U	630 U
Xylenes (total)	µg/L	10 U	10 U	10 U	1300 U
Semi-volatile Organic Compounds					
1,2,4-Trichlorobenzene	µg/L	9.6 U	9.4 U	9.4 U	64 J
1,2-Dichlorobenzene	µg/L	9.6 U	9.4 U	9.4 U	34 J
1,3-Dichlorobenzene	µg/L	9.6 U	9.4 U	9.4 U	190 U
1,4-Dichlorobenzene	µg/L	9.6 U	9.4 U	9.4 U	94 J
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	µg/L	1.9 U	1.9 U	1.9 U	38 U
2,4,5-Trichlorophenol	µg/L	9.6 U	9.4 U	9.4 U	190 U
2,4,6-Trichlorophenol	µg/L	9.6 U	9.4 U	9.4 U	190 U
2,4-Dichlorophenol	µg/L	1.9 U	1.9 U	1.9 U	660
2,4-Dimethylphenol	µg/L	9.6 U	9.4 U	9.4 U	190 U
2,4-Dinitrophenol	µg/L	48 U	47 U	47 U	940 U
2,4-Dinitrotoluene	µg/L	9.6 U	9.4 U	9.4 U	190 U
2,6-Dinitrotoluene	µg/L	9.6 U	9.4 U	9.4 U	190 U
2-Chloronaphthalene	µg/L	1.9 U	1.9 U	1.9 U	38 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL
JUNE-JULY 2014

	Sample Location:	*9118*	*9205*	*9210*	*10135*
	Sample ID:	*WG-9954-070914-SG-037*	*WG-9954-070814-SG-030*	*WG-9954-062614-SG-021*	*WG-9954-061314-SG-015*
	Sample Date:	*7/9/2014*	*7/8/2014*	*6/26/2014*	*6/13/2014*
Parameters	***Units***				
Semi-volatile Organic Compounds (Continued)					
2-Chlorophenol	µg/L	9.6 U	9.4 U	9.4 U	190 U
2-Methylnaphthalene	µg/L	1.9 U	1.9 U	1.9 U	38 U
2-Methylphenol	µg/L	9.6 U	9.4 U	9.4 U	23 J
2-Nitroaniline	µg/L	48 U	47 U	47 U	940 U
2-Nitrophenol	µg/L	9.6 U	9.4 U	9.4 U	190 U
3,3'-Dichlorobenzidine	µg/L	9.6 U	9.4 U	9.4 U	190 U
3-Nitroaniline	µg/L	48 U	47 U	47 U	940 U
4,6-Dinitro-2-methylphenol	µg/L	48 U	47 U	47 U	940 U
4-Bromophenyl phenyl ether	µg/L	9.6 U	9.4 U	9.4 U	190 U
4-Chloro-3-methylphenol	µg/L	9.6 U	9.4 U	9.4 U	190 U
4-Chloroaniline	µg/L	9.6 U	9.4 U	9.4 U	190 U
4-Chlorophenyl phenyl ether	µg/L	9.6 U	9.4 U	9.4 U	190 U
4-Methylphenol	µg/L	9.6 U	9.4 U	9.4 U	53 J
4-Nitroaniline	µg/L	48 U	47 U	47 U	940 U
4-Nitrophenol	µg/L	48 U	47 U	47 U	940 U
Acenaphthene	µg/L	1.9 U	1.9 U	1.9 U	38 U
Acenaphthylene	µg/L	1.9 U	1.9 U	1.9 U	38 U
Anthracene	µg/L	1.9 U	1.9 U	1.9 U	38 U
Benzo(a)anthracene	µg/L	1.9 U	1.9 U	1.9 U	38 U
Benzo(a)pyrene	µg/L	1.9 U	1.9 U	1.9 U	38 U
Benzo(b)fluoranthene	µg/L	1.9 U	1.9 U	1.9 U	38 U
Benzo(g,h,i)perylene	µg/L	1.9 U	1.9 U	1.9 U	38 U
Benzo(k)fluoranthene	µg/L	1.9 U	1.9 U	1.9 U	38 U
Benzoic acid	µg/L	48 UJ	47 U	47 U	14000
Benzyl alcohol	µg/L	9.6 U	9.4 U	9.4 U	290

TABLE 2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL
JUNE-JULY 2014

	Sample Location:	*9118*	*9205*	*9210*	*10135*
	Sample ID:	*WG-9954-070914-SG-037*	*WG-9954-070814-SG-030*	*WG-9954-062614-SG-021*	*WG-9954-061314-SG-015*
	Sample Date:	*7/9/2014*	*7/8/2014*	*6/26/2014*	*6/13/2014*
Parameters	***Units***				
Semi-volatile Organic Compounds (Continued)					
bis(2-Chloroethoxy)methane	µg/L	9.6 U	9.4 U	9.4 U	190 U
bis(2-Chloroethyl)ether	µg/L	1.9 U	1.9 U	1.9 U	19 J
bis(2-Ethylhexyl)phthalate (DEHP)	µg/L	19 U	19 U	19 U	380 U
Butyl benzylphthalate (BBP)	µg/L	9.6 U	9.4 U	9.4 U	190 U
Chrysene	µg/L	1.9 U	1.9 U	1.9 U	38 U
Dibenz(a,h)anthracene	µg/L	1.9 U	1.9 U	1.9 U	38 U
Dibenzofuran	µg/L	9.6 U	9.4 U	9.4 U	190 U
Diethyl phthalate	µg/L	9.6 U	9.4 U	9.4 U	190 U
Dimethyl phthalate	µg/L	9.6 U	9.4 U	9.4 U	190 U
Di-n-butylphthalate (DBP)	µg/L	9.6 U	9.4 U	9.4 U	190 U
Di-n-octyl phthalate (DnOP)	µg/L	9.6 U	9.4 U	9.4 U	190 U
Fluoranthene	µg/L	1.9 U	1.9 U	1.9 U	38 U
Fluorene	µg/L	1.9 U	1.9 U	1.9 U	38 U
Hexachlorobenzene	µg/L	1.9 U	1.9 U	1.9 U	38 U
Hexachlorobutadiene	µg/L	1.9 U	1.9 U	1.9 U	38 U
Hexachlorocyclopentadiene	µg/L	9.6 U	9.4 U	9.4 U	190 U
Hexachloroethane	µg/L	9.6 U	9.4 U	9.4 U	190 U
Indeno(1,2,3-cd)pyrene	µg/L	1.9 U	1.9 U	1.9 U	38 U
Isophorone	µg/L	9.6 U	9.4 U	9.4 U	190 U
Naphthalene	µg/L	1.9 U	1.9 U	1.9 U	38 U
Nitrobenzene	µg/L	19 U	19 U	19 U	380 U
N-Nitrosodi-n-propylamine	µg/L	1.9 U	1.9 U	1.9 U	38 U
N-Nitrosodiphenylamine	µg/L	9.6 U	9.4 U	9.4 U	190 U
Pentachlorophenol	µg/L	9.6 U	9.4 U	9.4 U	190 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL
JUNE-JULY 2014

	Sample Location:	*9118*	*9205*	*9210*	*10135*
	Sample ID:	*WG-9954-070914-SG-037*	*WG-9954-070814-SG-030*	*WG-9954-062614-SG-021*	*WG-9954-061314-SG-015*
	Sample Date:	*7/9/2014*	*7/8/2014*	*6/26/2014*	*6/13/2014*
Parameters	***Units***				
Semi-volatile Organic Compounds (Continued)					
Phenanthrene	µg/L	1.9 U	1.9 U	1.9 U	38 U
Phenol	µg/L	1.9 U	1.9 U	1.9 U	62
Pyrene	µg/L	1.9 U	1.9 U	1.9 U	38 U
Polychlorinated Biphenyls (PCBs)					
Aroclor-1016 (PCB-1016)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1221 (PCB-1221)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1232 (PCB-1232)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1242 (PCB-1242)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1248 (PCB-1248)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1254 (PCB-1254)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1260 (PCB-1260)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U
Pesticides					
4,4'-DDD	µg/L	0.047 U	0.047 U	0.047 U	0.047 U
4,4'-DDE	µg/L	0.047 U	0.047 U	0.047 U	0.047 U
4,4'-DDT	µg/L	0.047 U	0.047 U	0.047 U	0.24 U
Aldrin	µg/L	0.047 U	0.047 U	0.031 J	0.060 J
alpha-BHC	µg/L	0.047 U	0.047 U	0.047 U	21 J
alpha-Chlordane	µg/L	0.047 U	0.047 U	0.047 U	0.047 U
beta-BHC	µg/L	0.047 U	0.047 U	0.047 U	5.3 J
delta-BHC	µg/L	0.047 U	0.054 U	0.047 U	4.8 J
Dieldrin	µg/L	0.047 U	0.047 U	0.047 U	0.047 U
Endosulfan I	µg/L	0.047 U	0.047 U	0.047 U	0.047 U
Endosulfan II	µg/L	0.047 U	0.047 U	0.047 U	0.12 J

TABLE 2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL
JUNE-JULY 2014

	Sample Location:	*9118*	*9205*	*9210*	*10135*
	Sample ID:	*WG-9954-070914-SG-037*	*WG-9954-070814-SG-030*	*WG-9954-062614-SG-021*	*WG-9954-061314-SG-015*
	Sample Date:	*7/9/2014*	*7/8/2014*	*6/26/2014*	*6/13/2014*
Parameters	***Units***				
Pesticides (Continued)					
Endosulfan sulfate	µg/L	0.047 U	0.047 U	0.047 U	0.047 U
Endrin	µg/L	0.047 U	0.047 U	0.047 U	0.047 U
Endrin ketone	µg/L	0.047 U	0.047 U	0.047 U	0.067 J
gamma-BHC (lindane)	µg/L	0.047 U	0.047 U	0.047 U	4.3 J
gamma-Chlordane	µg/L	0.047 U	0.047 U	0.047 U	0.064 J
Heptachlor	µg/L	0.047 U	0.047 U	0.047 U	0.23 J
Heptachlor epoxide	µg/L	0.047 U	0.047 U	0.047 U	0.23 J
Methoxychlor	µg/L	0.094 U	0.094 U	0.094 U	0.47 U
Toxaphene	µg/L	3.8 U	3.8 U	3.8 U	3.8 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL
JUNE-JULY 2014

	Sample Location:	***10178A***	***10205***	***10210A***	***10210B***
	Sample ID:	***WG-9954-070914-SG-034***	***WG-9954-062614-SG-022***	***WG-9954-062714-SG-026***	***WG-9954-062614-SG-023***
	Sample Date:	***7/8/2014***	***6/26/2014***	***6/27/2014***	***6/26/2014***
Parameters	***Units***				
Volatile Organic Compounds					
1,1,1-Trichloroethane	µg/L	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
1,1,2-Trichloroethane	µg/L	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
1,1-Dichloroethene	µg/L	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
1,2-Dichloropropane	µg/L	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
2-Hexanone	µg/L	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
Acetone	µg/L	20 UJ	20 U	20 UJ	20 U
Benzene	µg/L	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
Bromoform	µg/L	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
Carbon disulfide	µg/L	5.0 U	1.6 J	5.0 U	2.9 J
Carbon tetrachloride	µg/L	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
Chloroethane	µg/L	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ
Chloroform (Trichloromethane)	µg/L	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
cis-1,2-Dichloroethene	µg/L	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
Dibromochloromethane	µg/L	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

TABLE 2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL
JUNE-JULY 2014

	Sample Location:	***10178A***	***10205***	***10210A***	***10210B***
	Sample ID:	***WG-9954-070914-SG-034***	***WG-9954-062614-SG-022***	***WG-9954-062714-SG-026***	***WG-9954-062614-SG-023***
	Sample Date:	***7/8/2014***	***6/26/2014***	***6/27/2014***	***6/26/2014***
Parameters	***Units***				
Volatile Organic Compounds (Continued)					
Methylene chloride	µg/L	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
Tetrachloroethene	µg/L	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
trans-1,2-Dichloroethene	µg/L	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
Trichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Vinyl acetate	µg/L	5.0 UJ	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
Xylenes (total)	µg/L	10 U	10 U	10 U	10 U
Semi-volatile Organic Compounds					
1,2,4-Trichlorobenzene	µg/L	9.4 U	9.4 U	9.4 U	9.4 U
1,2-Dichlorobenzene	µg/L	9.4 U	9.4 U	9.4 U	9.4 U
1,3-Dichlorobenzene	µg/L	9.4 U	9.4 U	9.4 U	9.4 U
1,4-Dichlorobenzene	µg/L	9.4 U	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	1.9 U
2,4,5-Trichlorophenol	µg/L	9.4 U	9.4 U	9.4 U	9.4 U
2,4,6-Trichlorophenol	µg/L	9.4 U	9.4 U	9.4 U	9.4 U
2,4-Dichlorophenol	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
2,4-Dimethylphenol	µg/L	9.4 U	9.4 U	9.4 U	9.4 U
2,4-Dinitrophenol	µg/L	47 U	47 U	47 U	47 U
2,4-Dinitrotoluene	µg/L	9.4 U	9.4 U	9.4 U	9.4 U
2,6-Dinitrotoluene	µg/L	9.4 U	9.4 U	9.4 U	9.4 U
2-Chloronaphthalene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL
JUNE-JULY 2014

	Sample Location:	*10178A*	*10205*	*10210A*	*10210B*
	Sample ID:	*WG-9954-070914-SG-034*	*WG-9954-062614-SG-022*	*WG-9954-062714-SG-026*	*WG-9954-062614-SG-023*
	Sample Date:	*7/8/2014*	*6/26/2014*	*6/27/2014*	*6/26/2014*
Parameters	***Units***				
Semi-volatile Organic Compounds (Continued)					
2-Chlorophenol	µg/L	9.4 U	9.4 U	9.4 U	9.4 U
2-Methylnaphthalene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
2-Methylphenol	µg/L	9.4 U	9.4 U	9.4 U	9.4 U
2-Nitroaniline	µg/L	47 U	47 U	47 U	47 U
2-Nitrophenol	µg/L	9.4 U	9.4 U	9.4 U	9.4 U
3,3'-Dichlorobenzidine	µg/L	9.4 U	9.4 U	9.4 U	9.4 U
3-Nitroaniline	µg/L	47 U	47 U	47 U	47 U
4,6-Dinitro-2-methylphenol	µg/L	47 U	47 U	47 U	47 U
4-Bromophenyl phenyl ether	µg/L	9.4 U	9.4 U	9.4 U	9.4 U
4-Chloro-3-methylphenol	µg/L	9.4 U	9.4 U	9.4 U	9.4 U
4-Chloroaniline	µg/L	9.4 U	9.4 U	9.4 U	9.4 U
4-Chlorophenyl phenyl ether	µg/L	9.4 U	9.4 U	9.4 U	9.4 U
4-Methylphenol	µg/L	9.4 U	9.4 U	9.4 U	9.4 U
4-Nitroaniline	µg/L	47 U	47 U	47 U	47 U
4-Nitrophenol	µg/L	47 U	47 U	47 U	47 U
Acenaphthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Acenaphthylene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Anthracene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(a)anthracene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(a)pyrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(b)fluoranthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(g,h,i)perylene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(k)fluoranthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzoic acid	µg/L	47 U	47 U	47 U	47 U
Benzyl alcohol	µg/L	9.4 U	9.4 U	9.4 U	9.4 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL
JUNE-JULY 2014

	Sample Location:	*10178A*	*10205*	*10210A*	*10210B*
	Sample ID:	*WG-9954-070914-SG-034*	*WG-9954-062614-SG-022*	*WG-9954-062714-SG-026*	*WG-9954-062614-SG-023*
	Sample Date:	*7/8/2014*	*6/26/2014*	*6/27/2014*	*6/26/2014*
Parameters	***Units***				
Semi-volatile Organic Compounds (Continued)					
bis(2-Chloroethoxy)methane	µg/L	9.4 U	9.4 U	9.4 U	9.4 U
bis(2-Chloroethyl)ether	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
bis(2-Ethylhexyl)phthalate (DEHP)	µg/L	19 U	19 U	19 U	19 U
Butyl benzylphthalate (BBP)	µg/L	9.4 U	9.4 U	9.4 U	9.4 U
Chrysene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Dibenz(a,h)anthracene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Dibenzofuran	µg/L	9.4 U	9.4 U	9.4 U	9.4 U
Diethyl phthalate	µg/L	9.4 U	9.4 U	9.4 U	9.4 U
Dimethyl phthalate	µg/L	9.4 U	9.4 U	9.4 U	9.4 U
Di-n-butylphthalate (DBP)	µg/L	9.4 U	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	9.4 U
Fluoranthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Fluorene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Hexachlorobenzene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Hexachlorobutadiene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Hexachlorocyclopentadiene	µg/L	9.4 U	9.4 U	9.4 U	9.4 U
Hexachloroethane	µg/L	9.4 U	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	1.9 U
Isophorone	µg/L	9.4 U	9.4 U	9.4 U	9.4 U
Naphthalene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Nitrobenzene	µg/L	19 U	19 U	19 U	19 U
N-Nitrosodi-n-propylamine	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
N-Nitrosodiphenylamine	µg/L	9.4 U	9.4 U	9.4 U	9.4 U
Pentachlorophenol	µg/L	9.4 U	9.4 U	9.4 U	9.4 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL
JUNE-JULY 2014

	Sample Location:	*10178A*	*10205*	*10210A*	*10210B*
	Sample ID:	*WG-9954-070914-SG-034*	*WG-9954-062614-SG-022*	*WG-9954-062714-SG-026*	*WG-9954-062614-SG-023*
	Sample Date:	*7/8/2014*	*6/26/2014*	*6/27/2014*	*6/26/2014*
Parameters	***Units***				
Semi-volatile Organic Compounds (Continued)					
Phenanthrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Phenol	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Pyrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Polychlorinated Biphenyls (PCBs)					
Aroclor-1016 (PCB-1016)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1221 (PCB-1221)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1232 (PCB-1232)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1242 (PCB-1242)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1248 (PCB-1248)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1254 (PCB-1254)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1260 (PCB-1260)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U
Pesticides					
4,4'-DDD	µg/L	0.048 U	0.047 U	0.047 U	0.047 U
4,4'-DDE	µg/L	0.048 U	0.047 U	0.047 U	0.047 U
4,4'-DDT	µg/L	0.048 U	0.047 U	0.047 U	0.047 U
Aldrin	µg/L	0.048 U	0.047 U	0.047 U	0.047 U
alpha-BHC	µg/L	0.048 U	0.047 U	0.047 U	0.047 U
alpha-Chlordane	µg/L	0.048 U	0.047 U	0.047 U	0.047 U
beta-BHC	µg/L	0.048 U	0.047 U	0.047 U	0.047 U
delta-BHC	µg/L	0.048 U	0.047 U	0.047 U	0.047 U
Dieldrin	µg/L	0.048 U	0.047 U	0.047 U	0.047 U
Endosulfan I	µg/L	0.048 U	0.047 U	0.047 U	0.047 U
Endosulfan II	µg/L	0.048 U	0.047 U	0.047 U	0.047 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL
JUNE-JULY 2014

	Sample Location:	*10178A*	*10205*	*10210A*	*10210B*
	Sample ID:	*WG-9954-070914-SG-034*	*WG-9954-062614-SG-022*	*WG-9954-062714-SG-026*	*WG-9954-062614-SG-023*
	Sample Date:	*7/8/2014*	*6/26/2014*	*6/27/2014*	*6/26/2014*
Parameters	***Units***				
Pesticides (Continued)					
Endosulfan sulfate	µg/L	0.048 U	0.047 U	0.047 U	0.047 U
Endrin	µg/L	0.048 U	0.047 U	0.047 U	0.047 U
Endrin ketone	µg/L	0.048 U	0.047 U	0.047 U	0.047 U
gamma-BHC (lindane)	µg/L	0.048 U	0.047 U	0.047 U	0.047 U
gamma-Chlordane	µg/L	0.048 U	0.047 U	0.047 U	0.047 U
Heptachlor	µg/L	0.048 U	0.047 U	0.047 U	0.047 U
Heptachlor epoxide	µg/L	0.048 U	0.047 U	0.047 U	0.047 U
Methoxychlor	µg/L	0.095 U	0.094 U	0.094 U	0.094 U
Toxaphene	µg/L	3.8 U	3.8 U	3.8 U	3.8 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL
JUNE-JULY 2014

	Sample Location:	*10210C*	*10215*	*10215*	*10225A*
	Sample ID:	*WG-9954-062614-SG-024*	*WG-9954-070814-SG-032*	*WG-9954-070814-SG-033*	*WG-9954-062714-SG-028*
	Sample Date:	*6/26/2014*	*7/8/2014*	*7/8/2014 (Duplicate)*	*6/27/2014*
Parameters	***Units***				
Volatile Organic Compounds					
1,1,1-Trichloroethane	µg/L	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
1,1,2-Trichloroethane	µg/L	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
1,1-Dichloroethene	µg/L	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
1,2-Dichloropropane	µg/L	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
2-Hexanone	µg/L	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
Acetone	µg/L	20 U	20 U	20 U	20 UJ
Benzene	µg/L	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
Bromoform	µg/L	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
Carbon disulfide	µg/L	5.0 U	2.2 J	1.4 J	5.0 U
Carbon tetrachloride	µg/L	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
Chloroethane	µg/L	5.0 UJ	5.0 U	5.0 U	5.0 UJ
Chloroform (Trichloromethane)	µg/L	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
cis-1,2-Dichloroethene	µg/L	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
Dibromochloromethane	µg/L	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

TABLE 2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL
JUNE-JULY 2014

	Sample Location:	*10210C*	*10215*	*10215*	*10225A*
	Sample ID:	*WG-9954-062614-SG-024*	*WG-9954-070814-SG-032*	*WG-9954-070814-SG-033*	*WG-9954-062714-SG-028*
	Sample Date:	*6/26/2014*	*7/8/2014*	*7/8/2014 (Duplicate)*	*6/27/2014*
Parameters	***Units***				
Volatile Organic Compounds (Continued)					
Methylene chloride	µg/L	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
Tetrachloroethene	µg/L	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
trans-1,2-Dichloroethene	µg/L	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
Trichloroethene	µg/L	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
Vinyl chloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Xylenes (total)	µg/L	10 U	10 U	10 U	10 U
Semi-volatile Organic Compounds					
1,2,4-Trichlorobenzene	µg/L	9.4 U	9.4 U	9.4 U	9.4 U
1,2-Dichlorobenzene	µg/L	9.4 U	9.4 U	9.4 U	9.4 U
1,3-Dichlorobenzene	µg/L	9.4 U	9.4 U	9.4 U	9.4 U
1,4-Dichlorobenzene	µg/L	9.4 U	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	1.9 U
2,4,5-Trichlorophenol	µg/L	9.4 U	9.4 U	9.4 U	9.4 U
2,4,6-Trichlorophenol	µg/L	9.4 U	9.4 U	9.4 U	9.4 U
2,4-Dichlorophenol	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
2,4-Dimethylphenol	µg/L	9.4 U	9.4 U	9.4 U	9.4 U
2,4-Dinitrophenol	µg/L	47 U	47 U	47 U	47 U
2,4-Dinitrotoluene	µg/L	9.4 U	9.4 U	9.4 U	9.4 U
2,6-Dinitrotoluene	µg/L	9.4 U	9.4 U	9.4 U	9.4 U
2-Chloronaphthalene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL
JUNE-JULY 2014

	Sample Location:	*10210C*	*10215*	*10215*	*10225A*
	Sample ID:	*WG-9954-062614-SG-024*	*WG-9954-070814-SG-032*	*WG-9954-070814-SG-033*	*WG-9954-062714-SG-028*
	Sample Date:	*6/26/2014*	*7/8/2014*	*7/8/2014 (Duplicate)*	*6/27/2014*
Parameters	***Units***				
Semi-volatile Organic Compounds (Continued)					
2-Chlorophenol	µg/L	9.4 U	9.4 U	9.4 U	9.4 U
2-Methylnaphthalene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
2-Methylphenol	µg/L	9.4 U	9.4 U	9.4 U	9.4 U
2-Nitroaniline	µg/L	47 U	47 U	47 U	47 U
2-Nitrophenol	µg/L	9.4 U	9.4 U	9.4 U	9.4 U
3,3'-Dichlorobenzidine	µg/L	9.4 U	9.4 U	9.4 U	9.4 U
3-Nitroaniline	µg/L	47 U	47 U	47 U	47 U
4,6-Dinitro-2-methylphenol	µg/L	47 U	47 U	47 U	47 U
4-Bromophenyl phenyl ether	µg/L	9.4 U	9.4 U	9.4 U	9.4 U
4-Chloro-3-methylphenol	µg/L	9.4 U	9.4 U	9.4 U	9.4 U
4-Chloroaniline	µg/L	9.4 U	9.4 U	9.4 U	9.4 U
4-Chlorophenyl phenyl ether	µg/L	9.4 U	9.4 U	9.4 U	9.4 U
4-Methylphenol	µg/L	9.4 U	9.4 U	9.4 U	9.4 U
4-Nitroaniline	µg/L	47 U	47 U	47 U	47 U
4-Nitrophenol	µg/L	47 U	47 U	47 U	47 U
Acenaphthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Acenaphthylene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Anthracene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(a)anthracene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(a)pyrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(b)fluoranthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(g,h,i)perylene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(k)fluoranthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzoic acid	µg/L	47 U	47 U	47 U	47 U
Benzyl alcohol	µg/L	9.4 U	9.4 U	9.4 U	9.4 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL
JUNE-JULY 2014

	Sample Location:	*10210C*	*10215*	*10215*	*10225A*
	Sample ID:	*WG-9954-062614-SG-024*	*WG-9954-070814-SG-032*	*WG-9954-070814-SG-033*	*WG-9954-062714-SG-028*
	Sample Date:	*6/26/2014*	*7/8/2014*	*7/8/2014 (Duplicate)*	*6/27/2014*
Parameters	***Units***				
Semi-volatile Organic Compounds (Continued)					
bis(2-Chloroethoxy)methane	µg/L	9.4 U	9.4 U	9.4 U	9.4 U
bis(2-Chloroethyl)ether	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
bis(2-Ethylhexyl)phthalate (DEHP)	µg/L	19 U	19 U	19 U	19 U
Butyl benzylphthalate (BBP)	µg/L	9.4 U	9.4 U	9.4 U	9.4 U
Chrysene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Dibenz(a,h)anthracene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Dibenzofuran	µg/L	9.4 U	9.4 U	9.4 U	9.4 U
Diethyl phthalate	µg/L	9.4 U	9.4 U	9.4 U	9.4 U
Dimethyl phthalate	µg/L	9.4 U	9.4 U	9.4 U	9.4 U
Di-n-butylphthalate (DBP)	µg/L	9.4 U	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	9.4 U
Fluoranthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Fluorene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Hexachlorobenzene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Hexachlorobutadiene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Hexachlorocyclopentadiene	µg/L	9.4 U	9.4 U	9.4 U	9.4 U
Hexachloroethane	µg/L	9.4 U	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	1.9 U
Isophorone	µg/L	9.4 U	9.4 U	9.4 U	9.4 U
Naphthalene	µg/L	1.9 U	1.9 U	1.9 U	0.84 J
Nitrobenzene	µg/L	19 U	19 U	19 U	19 U
N-Nitrosodi-n-propylamine	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
N-Nitrosodiphenylamine	µg/L	9.4 U	9.4 U	9.4 U	9.4 U
Pentachlorophenol	µg/L	9.4 U	9.4 U	9.4 U	9.4 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL
JUNE-JULY 2014

	Sample Location:	*10210C*	*10215*	*10215*	*10225A*
	Sample ID:	*WG-9954-062614-SG-024*	*WG-9954-070814-SG-032*	*WG-9954-070814-SG-033*	*WG-9954-062714-SG-028*
	Sample Date:	*6/26/2014*	*7/8/2014*	*7/8/2014 (Duplicate)*	*6/27/2014*
Parameters	***Units***				
Semi-volatile Organic Compounds (Continued)					
Phenanthrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Phenol	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Pyrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Polychlorinated Biphenyls (PCBs)					
Aroclor-1016 (PCB-1016)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1221 (PCB-1221)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1232 (PCB-1232)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1242 (PCB-1242)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1248 (PCB-1248)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1254 (PCB-1254)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1260 (PCB-1260)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U
Pesticides					
4,4'-DDD	µg/L	0.048 U	0.047 U	0.047 U	0.047 U
4,4'-DDE	µg/L	0.048 U	0.047 U	0.047 U	0.047 U
4,4'-DDT	µg/L	0.048 U	0.047 U	0.047 U	0.047 U
Aldrin	µg/L	0.048 U	0.047 U	0.047 U	0.047 U
alpha-BHC	µg/L	0.048 U	0.047 U	0.047 U	0.047 U
alpha-Chlordane	µg/L	0.048 U	0.047 U	0.047 U	0.047 U
beta-BHC	µg/L	0.048 U	0.047 U	0.047 U	0.047 U
delta-BHC	µg/L	0.048 U	0.047 U	0.047 U	0.047 U
Dieldrin	µg/L	0.048 U	0.047 U	0.047 U	0.047 U
Endosulfan I	µg/L	0.048 U	0.047 U	0.047 U	0.047 U
Endosulfan II	µg/L	0.048 U	0.047 U	0.047 U	0.047 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL
JUNE-JULY 2014

	Sample Location:	*10210C*	*10215*	*10215*	*10225A*
	Sample ID:	*WG-9954-062614-SG-024*	*WG-9954-070814-SG-032*	*WG-9954-070814-SG-033*	*WG-9954-062714-SG-028*
	Sample Date:	*6/26/2014*	*7/8/2014*	*7/8/2014 (Duplicate)*	*6/27/2014*
Parameters	***Units***				
Pesticides (Continued)					
Endosulfan sulfate	µg/L	0.048 U	0.047 U	0.047 U	0.047 U
Endrin	µg/L	0.048 U	0.047 U	0.047 U	0.047 U
Endrin ketone	µg/L	0.048 U	0.047 U	0.047 U	0.047 U
gamma-BHC (lindane)	µg/L	0.048 U	0.047 U	0.047 U	0.047 U
gamma-Chlordane	µg/L	0.048 U	0.047 U	0.047 U	0.047 U
Heptachlor	µg/L	0.048 U	0.047 U	0.047 U	0.047 U
Heptachlor epoxide	µg/L	0.048 U	0.047 U	0.047 U	0.047 U
Methoxychlor	µg/L	0.095 U	0.094 U	0.094 U	0.094 U
Toxaphene	µg/L	3.8 U	3.8 U	3.8 U	3.8 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL
JUNE-JULY 2014

	Sample Location:	***10225B***	***10225C***	***10270***	***10272***
	Sample ID:	***WG-9954-062714-SG-027***	***WG-9954-061314-SG-016***	***WG-9954-061314-SG-019***	***WG-9954-061314-SG-020***
	Sample Date:	***6/27/2014***	***6/13/2014***	***6/13/2014***	***6/13/2014***
Parameters	***Units***				
Volatile Organic Compounds					
1,1,1-Trichloroethane	µg/L	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
1,1,2-Trichloroethane	µg/L	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
1,1-Dichloroethene	µg/L	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
1,2-Dichloropropane	µg/L	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
2-Hexanone	µg/L	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
Acetone	µg/L	20 U	20 UJ	20 U	20 U
Benzene	µg/L	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
Bromoform	µg/L	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
Carbon disulfide	µg/L	2.4 J	1.3 J	5.0 U	5.0 U
Carbon tetrachloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	µg/L	5.0 U	2.2 J	5.0 U	5.0 U
Chloroethane	µg/L	5.0 UJ	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
Chloromethane (Methyl chloride)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	µg/L	5.0 U	3.3 J	5.0 U	5.0 U
cis-1,3-Dichloropropene	µg/L	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
Ethylbenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL
JUNE-JULY 2014

	Sample Location:	***10225B***	***10225C***	***10270***	***10272***
	Sample ID:	***WG-9954-062714-SG-027***	***WG-9954-061314-SG-016***	***WG-9954-061314-SG-019***	***WG-9954-061314-SG-020***
	Sample Date:	***6/27/2014***	***6/13/2014***	***6/13/2014***	***6/13/2014***
Parameters	***Units***				
Volatile Organic Compounds (Continued)					
Methylene chloride	µg/L	5.0 U	5.0 UJ	5.0 U	5.0 U
Styrene	µg/L	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
Toluene	µg/L	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
trans-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	µg/L	5.0 U	14	5.0 U	5.0 U
Vinyl acetate	µg/L	5.0 U	5.0 UJ	5.0 U	5.0 U
Vinyl chloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Xylenes (total)	µg/L	10 U	10 U	10 U	10 U
Semi-volatile Organic Compounds					
1,2,4-Trichlorobenzene	µg/L	9.4 U	6.2 J	9.4 U	9.4 U
1,2-Dichlorobenzene	µg/L	9.4 U	9.5 U	9.4 U	9.4 U
1,3-Dichlorobenzene	µg/L	9.4 U	9.5 U	9.4 U	9.4 U
1,4-Dichlorobenzene	µg/L	9.4 U	0.97 J	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	1.9 U
2,4,5-Trichlorophenol	µg/L	9.4 U	9.5 U	9.4 U	9.4 U
2,4,6-Trichlorophenol	µg/L	9.4 U	9.5 U	9.4 U	9.4 U
2,4-Dichlorophenol	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
2,4-Dimethylphenol	µg/L	9.4 U	9.5 U	9.4 U	9.4 U
2,4-Dinitrophenol	µg/L	47 U	48 U	47 U	47 U
2,4-Dinitrotoluene	µg/L	9.4 U	9.5 U	9.4 U	9.4 U
2,6-Dinitrotoluene	µg/L	9.4 U	9.5 U	9.4 U	9.4 U
2-Chloronaphthalene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL
JUNE-JULY 2014

	Sample Location:	*10225B*	*10225C*	*10270*	*10272*
	Sample ID:	*WG-9954-062714-SG-027*	*WG-9954-061314-SG-016*	*WG-9954-061314-SG-019*	*WG-9954-061314-SG-020*
	Sample Date:	*6/27/2014*	*6/13/2014*	*6/13/2014*	*6/13/2014*
Parameters	***Units***				
Semi-volatile Organic Compounds (Continued)					
2-Chlorophenol	µg/L	9.4 U	9.5 U	9.4 U	9.4 U
2-Methylnaphthalene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
2-Methylphenol	µg/L	9.4 U	9.5 U	9.4 U	9.4 U
2-Nitroaniline	µg/L	47 U	48 U	47 U	47 U
2-Nitrophenol	µg/L	9.4 U	9.5 U	9.4 U	9.4 U
3,3'-Dichlorobenzidine	µg/L	9.4 U	9.5 U	9.4 U	9.4 U
3-Nitroaniline	µg/L	47 U	48 U	47 U	47 U
4,6-Dinitro-2-methylphenol	µg/L	47 U	48 U	47 U	47 U
4-Bromophenyl phenyl ether	µg/L	9.4 U	9.5 U	9.4 U	9.4 U
4-Chloro-3-methylphenol	µg/L	9.4 U	9.5 U	9.4 U	9.4 U
4-Chloroaniline	µg/L	9.4 U	9.5 U	9.4 U	9.4 U
4-Chlorophenyl phenyl ether	µg/L	9.4 U	9.5 U	9.4 U	9.4 U
4-Methylphenol	µg/L	9.4 U	9.5 U	9.4 U	9.4 U
4-Nitroaniline	µg/L	47 U	48 U	47 U	47 U
4-Nitrophenol	µg/L	47 U	48 U	47 U	47 U
Acenaphthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Acenaphthylene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Anthracene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(a)anthracene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(a)pyrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(b)fluoranthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(g,h,i)perylene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(k)fluoranthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzoic acid	µg/L	47 U	48 UJ	47 UJ	47 UJ
Benzyl alcohol	µg/L	9.4 U	9.5 U	9.4 U	9.4 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL
JUNE-JULY 2014

	Sample Location:	***10225B***	***10225C***	***10270***	***10272***
	Sample ID:	***WG-9954-062714-SG-027***	***WG-9954-061314-SG-016***	***WG-9954-061314-SG-019***	***WG-9954-061314-SG-020***
	Sample Date:	***6/27/2014***	***6/13/2014***	***6/13/2014***	***6/13/2014***
Parameters	***Units***				
Semi-volatile Organic Compounds (Continued)					
bis(2-Chloroethoxy)methane	µg/L	9.4 U	9.5 U	9.4 U	9.4 U
bis(2-Chloroethyl)ether	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
bis(2-Ethylhexyl)phthalate (DEHP)	µg/L	19 U	19 U	19 U	19 U
Butyl benzylphthalate (BBP)	µg/L	9.4 U	9.5 U	9.4 U	9.4 U
Chrysene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Dibenz(a,h)anthracene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Dibenzofuran	µg/L	9.4 U	9.5 U	9.4 U	9.4 U
Diethyl phthalate	µg/L	9.4 U	9.5 U	9.4 U	9.4 U
Dimethyl phthalate	µg/L	9.4 U	9.5 U	9.4 U	9.4 U
Di-n-butylphthalate (DBP)	µg/L	9.4 U	9.5 U	9.4 U	9.4 U
Di-n-octyl phthalate (DnOP)	µg/L	9.4 U	9.5 U	9.4 U	9.4 U
Fluoranthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Fluorene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Hexachlorobenzene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Hexachlorobutadiene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Hexachlorocyclopentadiene	µg/L	9.4 U	9.5 U	9.4 U	9.4 U
Hexachloroethane	µg/L	9.4 U	9.5 U	9.4 U	9.4 U
Indeno(1,2,3-cd)pyrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Isophorone	µg/L	9.4 U	9.5 U	9.4 U	9.4 U
Naphthalene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Nitrobenzene	µg/L	19 U	19 U	19 U	19 U
N-Nitrosodi-n-propylamine	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
N-Nitrosodiphenylamine	µg/L	9.4 U	9.5 U	9.4 U	9.4 U
Pentachlorophenol	µg/L	9.4 U	9.5 U	9.4 U	9.4 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL
JUNE-JULY 2014

	Sample Location:	*10225B*	*10225C*	*10270*	*10272*
	Sample ID:	*WG-9954-062714-SG-027*	*WG-9954-061314-SG-016*	*WG-9954-061314-SG-019*	*WG-9954-061314-SG-020*
	Sample Date:	*6/27/2014*	*6/13/2014*	*6/13/2014*	*6/13/2014*
Parameters	***Units***				
Semi-volatile Organic Compounds (Continued)					
Phenanthrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Phenol	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Pyrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Polychlorinated Biphenyls (PCBs)					
Aroclor-1016 (PCB-1016)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1221 (PCB-1221)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1232 (PCB-1232)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1242 (PCB-1242)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1248 (PCB-1248)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1254 (PCB-1254)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1260 (PCB-1260)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U
Pesticides					
4,4'-DDD	µg/L	0.048 U	0.047 U	0.047 U	0.047 U
4,4'-DDE	µg/L	0.048 U	0.047 U	0.047 U	0.047 U
4,4'-DDT	µg/L	0.048 U	0.047 U	0.047 U	0.047 U
Aldrin	µg/L	0.048 U	0.047 U	0.047 U	0.047 U
alpha-BHC	µg/L	0.048 U	1.1 U	0.047 U	0.047 U
alpha-Chlordane	µg/L	0.048 U	0.047 U	0.047 U	0.047 U
beta-BHC	µg/L	0.048 U	0.047 U	0.047 U	0.047 U
delta-BHC	µg/L	0.048 U	0.058 U	0.047 U	0.047 U
Dieldrin	µg/L	0.048 U	0.047 U	0.047 U	0.047 U
Endosulfan I	µg/L	0.048 U	0.047 U	0.047 U	0.047 U
Endosulfan II	µg/L	0.048 U	0.047 U	0.047 U	0.047 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL
JUNE-JULY 2014

	Sample Location:	*10225B*	*10225C*	*10270*	*10272*
	Sample ID:	*WG-9954-062714-SG-027*	*WG-9954-061314-SG-016*	*WG-9954-061314-SG-019*	*WG-9954-061314-SG-020*
	Sample Date:	*6/27/2014*	*6/13/2014*	*6/13/2014*	*6/13/2014*
Parameters	***Units***				
Pesticides (Continued)					
Endosulfan sulfate	µg/L	0.048 U	0.047 U	0.047 U	0.047 U
Endrin	µg/L	0.048 U	0.047 U	0.047 U	0.047 U
Endrin ketone	µg/L	0.048 U	0.047 U	0.047 U	0.047 U
gamma-BHC (lindane)	µg/L	0.048 U	0.092 U	0.047 U	0.047 U
gamma-Chlordane	µg/L	0.048 U	0.047 U	0.047 U	0.047 U
Heptachlor	µg/L	0.048 U	0.047 U	0.047 U	0.047 U
Heptachlor epoxide	µg/L	0.048 U	0.047 U	0.047 U	0.047 U
Methoxychlor	µg/L	0.095 U	0.094 U	0.094 U	0.094 U
Toxaphene	µg/L	3.8 U	3.8 U	3.8 U	3.8 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL
JUNE-JULY 2014

	Sample Location:	***10278***	***MW-01***	***MW-02***
	Sample ID:	***WG-9954-061314-SG-017***	***WG-9954-062514-SG-011***	***WG-9954-062514-SG-012***
	Sample Date:	***6/13/2014***	***6/25/2014***	***6/25/2014***
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	5.0 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 UJ	5.0 UJ
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

TABLE 2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL
JUNE-JULY 2014

	Sample Location:	***10278***	***MW-01***	***MW-02***
	Sample ID:	***WG-9954-061314-SG-017***	***WG-9954-062514-SG-011***	***WG-9954-062514-SG-012***
	Sample Date:	***6/13/2014***	***6/25/2014***	***6/25/2014***
Parameters	***Units***			
Volatile Organic Compounds (Continued)				
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
Xylenes (total)	µg/L	10 U	10 U	10 U
Semi-volatile Organic Compounds				
1,2,4-Trichlorobenzene	µg/L	9.4 U	9.5 U	9.5 U
1,2-Dichlorobenzene	µg/L	9.4 U	9.5 U	9.5 U
1,3-Dichlorobenzene	µg/L	9.4 U	9.5 U	9.5 U
1,4-Dichlorobenzene	µg/L	9.4 U	9.5 U	9.5 U
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	µg/L	1.9 U	1.9 UJ	1.9 UJ
2,4,5-Trichlorophenol	µg/L	9.4 U	9.5 U	9.5 U
2,4,6-Trichlorophenol	µg/L	9.4 U	9.5 U	9.5 U
2,4-Dichlorophenol	µg/L	1.9 U	1.9 U	1.9 U
2,4-Dimethylphenol	µg/L	9.4 U	9.5 U	9.5 U
2,4-Dinitrophenol	µg/L	47 U	48 U	48 U
2,4-Dinitrotoluene	µg/L	9.4 U	9.5 U	9.5 U
2,6-Dinitrotoluene	µg/L	9.4 U	9.5 U	9.5 U
2-Chloronaphthalene	µg/L	1.9 U	1.9 U	1.9 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL
JUNE-JULY 2014

	Sample Location:	***10278***	***MW-01***	***MW-02***
	Sample ID:	***WG-9954-061314-SG-017***	***WG-9954-062514-SG-011***	***WG-9954-062514-SG-012***
	Sample Date:	***6/13/2014***	***6/25/2014***	***6/25/2014***
Parameters	***Units***			
Semi-volatile Organic Compounds (Continued)				
2-Chlorophenol	µg/L	9.4 U	9.5 U	9.5 U
2-Methylnaphthalene	µg/L	1.9 U	1.9 U	1.9 U
2-Methylphenol	µg/L	9.4 U	9.5 U	9.5 U
2-Nitroaniline	µg/L	47 U	48 U	48 U
2-Nitrophenol	µg/L	9.4 U	9.5 U	9.5 U
3,3'-Dichlorobenzidine	µg/L	9.4 U	9.5 U	9.5 U
3-Nitroaniline	µg/L	47 U	48 U	48 U
4,6-Dinitro-2-methylphenol	µg/L	47 U	48 U	48 U
4-Bromophenyl phenyl ether	µg/L	9.4 U	9.5 U	9.5 U
4-Chloro-3-methylphenol	µg/L	9.4 U	9.5 U	9.5 U
4-Chloroaniline	µg/L	9.4 U	9.5 U	9.5 U
4-Chlorophenyl phenyl ether	µg/L	9.4 U	9.5 U	9.5 U
4-Methylphenol	µg/L	9.4 U	9.5 U	9.5 U
4-Nitroaniline	µg/L	47 U	48 U	48 U
4-Nitrophenol	µg/L	47 U	48 U	48 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
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	48 U	48 U
Benzyl alcohol	µg/L	9.4 U	9.5 U	9.5 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL
JUNE-JULY 2014

	Sample Location:	***10278***	***MW-01***	***MW-02***
	Sample ID:	***WG-9954-061314-SG-017***	***WG-9954-062514-SG-011***	***WG-9954-062514-SG-012***
	Sample Date:	***6/13/2014***	***6/25/2014***	***6/25/2014***
Parameters	***Units***			
Semi-volatile Organic Compounds (Continued)				
bis(2-Chloroethoxy)methane	µg/L	9.4 U	9.5 U	9.5 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	9.5 U	9.5 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	9.5 U	9.5 U
Diethyl phthalate	µg/L	9.4 U	9.5 U	9.5 U
Dimethyl phthalate	µg/L	9.4 U	9.5 U	9.5 U
Di-n-butylphthalate (DBP)	µg/L	9.4 U	9.5 U	9.5 U
Di-n-octyl phthalate (DnOP)	µg/L	9.4 U	9.5 U	9.5 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 U	9.5 U	9.5 U
Hexachloroethane	µg/L	9.4 U	9.5 U	9.5 U
Indeno(1,2,3-cd)pyrene	µg/L	1.9 U	1.9 U	1.9 U
Isophorone	µg/L	9.4 U	9.5 U	9.5 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	9.5 U	9.5 U
Pentachlorophenol	µg/L	9.4 U	9.5 U	9.5 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL
JUNE-JULY 2014

	Sample Location:	***10278***	***MW-01***	***MW-02***
	Sample ID:	***WG-9954-061314-SG-017***	***WG-9954-062514-SG-011***	***WG-9954-062514-SG-012***
	Sample Date:	***6/13/2014***	***6/25/2014***	***6/25/2014***
Parameters	***Units***			
Semi-volatile Organic Compounds (Continued)				
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 (PCBs)				
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
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	0.047 U	0.047 U	0.047 U
4,4'-DDE	µg/L	0.047 U	0.047 U	0.047 U
4,4'-DDT	µg/L	0.047 U	0.047 U	0.047 U
Aldrin	µg/L	0.047 U	0.047 U	0.047 U
alpha-BHC	µg/L	0.047 U	0.047 U	0.047 U
alpha-Chlordane	µg/L	0.047 U	0.047 U	0.047 U
beta-BHC	µg/L	0.047 U	0.047 U	0.047 U
delta-BHC	µg/L	0.047 U	0.047 U	0.047 U
Dieldrin	µg/L	0.047 U	0.047 U	0.047 U
Endosulfan I	µg/L	0.047 U	0.047 U	0.047 U
Endosulfan II	µg/L	0.047 U	0.047 U	0.047 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL
JUNE-JULY 2014

	Sample Location:	***10278***	***MW-01***	***MW-02***
	Sample ID:	***WG-9954-061314-SG-017***	***WG-9954-062514-SG-011***	***WG-9954-062514-SG-012***
	Sample Date:	***6/13/2014***	***6/25/2014***	***6/25/2014***
Parameters	***Units***			
Pesticides (Continued)				
Endosulfan sulfate	µg/L	0.047 U	0.047 U	0.047 U
Endrin	µg/L	0.047 U	0.047 U	0.047 U
Endrin ketone	µg/L	0.047 U	0.047 U	0.047 U
gamma-BHC (lindane)	µg/L	0.047 U	0.047 U	0.047 U
gamma-Chlordane	µg/L	0.047 U	0.047 U	0.047 U
Heptachlor	µg/L	0.047 U	0.047 U	0.047 U
Heptachlor epoxide	µg/L	0.047 U	0.047 U	0.047 U
Methoxychlor	µg/L	0.094 U	0.094 U	0.094 U
Toxaphene	µg/L	3.8 U	3.8 U	3.8 U

Notes:

J - Estimated concentration.
U - Not detected at the associated reporting limit.
UJ - Not detected; associated reporting limit is estimated.

TABLE 3

ANALYTICAL METHODS AND HOLDING TIME CRITERIA
LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL
JUNE-JULY 2014

Parameter	*Method* [1]	*Matrix*	*Holding Time*	
			Collection to Extraction (Days)	*Collection or Extraction to Analysis (Days)*
Volatiles	SW-846 8260	Water	-	14
Semi-Volatiles	SW-846 8270	Water	7	40
Pesticides	SW-846 8081	Water	7	40
PCB	SW-846 8082	Water	7	40

Notes:

[1] - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition, 1986, with subsequent revisions.

PCB - Polychlorinated Biphenyls

TABLE 4

QUALIFIED SAMPLE RESULTS DUE TO OUTLYING CONTINUING CALIBRATION RESULTS
LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL
JUNE-JULY 2014

Parameter	*Analyte*	*Calibration Date*	*RRF*	*%D*	*Associated Sample ID*	*Qualified Result*	*Units*
VOCs	Acetone	6/18/2014	-	42.1	WG-9954-060914-SG-001	20 UJ	µg/L
					WG-9954-060914-SG-002	20 UJ	µg/L
					WG-9954-061014-SG-003	20 UJ	µg/L
					WG-9954-061014-SG-004	20 UJ	µg/L
					WG-9954-061014-SG-005	20 UJ	µg/L
					WG-9954-061014-SG-008	20 UJ	µg/L
					WG-9954-061014-SG-009	20 UJ	µg/L
VOCs	2-Butanone	6/18/2014	-	44.0	WG-9954-060914-SG-001	5.0 UJ	µg/L
					WG-9954-060914-SG-002	5.0 UJ	µg/L
					WG-9954-061014-SG-003	5.0 UJ	µg/L
					WG-9954-061014-SG-004	5.0 UJ	µg/L
					WG-9954-061014-SG-005	5.0 UJ	µg/L
					WG-9954-061014-SG-008	5.0 UJ	µg/L
					WG-9954-061014-SG-009	5.0 UJ	µg/L
VOCs	Vinyl acetate	6/18/2014	-	37.7	WG-9954-060914-SG-001	5.0 UJ	µg/L
					WG-9954-060914-SG-002	5.0 UJ	µg/L
					WG-9954-061014-SG-003	5.0 UJ	µg/L
					WG-9954-061014-SG-004	5.0 UJ	µg/L
					WG-9954-061014-SG-005	5.0 UJ	µg/L
					WG-9954-061014-SG-008	5.0 UJ	µg/L
					WG-9954-061014-SG-009	5.0 UJ	µg/L
VOCs	Acetone	6/23/2014	-	41.0	WG-9954-061314-SG-007	20 UJ	µg/L
					WG-9954-061314-SG-015	2500 UJ	µg/L
					WG-9954-061314-SG-016	20 UJ	µg/L
VOCs	Carbon disulfide	6/23/2014	-	29.4	WG-9954-061314-SG-007	1.7 J	µg/L
					WG-9954-061314-SG-015	630 UJ	µg/L
					WG-9954-061314-SG-016	1.3 J	µg/L

TABLE 4

QUALIFIED SAMPLE RESULTS DUE TO OUTLYING CONTINUING CALIBRATION RESULTS
LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL
JUNE-JULY 2014

Parameter	*Analyte*	*Calibration Date*	*RRF*	*%D*	*Associated Sample ID*	*Qualified Result*	*Units*
VOCs	Vinyl acetate	6/23/2014	-	78.5	WG-9954-061314-SG-007	5.0 UJ	µg/L
					WG-9954-061314-SG-015	630 UJ	µg/L
					WG-9954-061314-SG-016	5.0 UJ	µg/L
VOCs	Vinyl acetate	6/30/2014	-	58.9	WG-9954-062314-SG-006	5.0 UJ	µg/L
VOCs	1,1,2,2-Tetrachloroethane	6/30/2014	-	31.7	WG-9954-062314-SG-006	5.0 UJ	µg/L
VOCs	Acetone	7/21/2014	-	41.9	WG-9954-070914-SG-034	20 UJ	µg/L
					WG-9954-070914-SG-035	20 UJ	µg/L
					WG-9954-070914-SG-036	20 UJ	µg/L
					WG-9954-070914-SG-037	20 UJ	µg/L
VOCs	Vinyl acetate	7/21/2014	-	38.5	WG-9954-070914-SG-034	5.0 UJ	µg/L
					WG-9954-070914-SG-035	5.0 UJ	µg/L
					WG-9954-070914-SG-036	5.0 UJ	µg/L
					WG-9954-070914-SG-037	5.0 UJ	µg/L
VOCs	Choroethane	7/2/2014	-	68.7	WG-9954-062314-SG-010	5.0 UJ	µg/L
					WG-9954-062514-SG-011	5.0 UJ	µg/L
					WG-9954-062514-SG-012	5.0 UJ	µg/L
					WG-9954-062614-SG-021	5.0 UJ	µg/L
					WG-9954-062614-SG-022	5.0 UJ	µg/L
					WG-9954-062614-SG-023	5.0 UJ	µg/L
					WG-9954-062614-SG-024	5.0 UJ	µg/L
					WG-9954-062714-SG-027	5.0 UJ	µg/L
VOCs	Choroethane	7/3/2014	-	185.9	WG-9954-062714-SG-026	5.0 UJ	µg/L
					WG-9954-062714-SG-028	5.0 UJ	µg/L

TABLE 4

QUALIFIED SAMPLE RESULTS DUE TO OUTLYING CONTINUING CALIBRATION RESULTS
LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL
JUNE-JULY 2014

Parameter	*Analyte*	*Calibration Date*	*RRF*	*%D*	*Associated Sample ID*	*Qualified Result*	*Units*
VOCs	Acetone	7/3/2014	-	72.8	WG-9954-062714-SG-026	20 UJ	µg/L
					WG-9954-062714-SG-028	20 UJ	µg/L
SVOCs	Benzoic acid	6/24/2014	-	42.8	WG-9954-061314-SG-016	48 UJ	µg/L
					WG-9954-061314-SG-017	47 UJ	µg/L
					WG-9954-061314-SG-019	47 UJ	µg/L
					WG-9954-061314-SG-020	47 UJ	µg/L
SVOCs	2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	7/7/2014	-	69.8	WG-9954-062514-SG-011	1.9 UJ	µg/L
					WG-9954-062514-SG-012	1.9 UJ	µg/L
SVOCs	Benzo(g,h,i)perylene	7/16/2014	-	27.1	WG-9954-070914-SG-035	1.9 UJ	µg/L
					WG-9954-070914-SG-036	1.9 UJ	µg/L
SVOCs	Benzoic acid	7/17/2014	-	31.8	WG-9954-070914-SG-037	48 UJ	µg/L

Notes:

- - Not applicable
%D - Percent Difference
RRF - Relative Response Factor
SVOCs - Semi-volatile Organic Compounds
VOCs - Volatile Organic Compounds
J - Estimated Concentration
UJ - Not detected; the associated reporting limit is estimated.

TABLE 5

QUALIFIED SAMPLE DATA DUE TO OUTLYING OF SURROGATE RECOVERIES
LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL
JUNE-JULY 2014

Parameter	*Sample ID*	*Surrogate*	*Surrogate Recovery (percent)*	*Control Limits (percent)*	*Analyte*	*Qualified Result*	*Units*
Pesticides	WG-9954-061314-SG-015	TCMX	194	45 - 130	Aldrin	0.060 J	µg/L
					beta-BHC	5.3 J	µg/L
					Endosulfan II	0.12 J	µg/L
					gamma-Chlordane	0.064 J	µg/L
					Endrin ketone	0.067 J	µg/L
					gamma-BHC (lindane)	4.3 J	µg/L
					Heptachlor epoxide	0.23 J	µg/L
					delta-BHC	4.8 J	µg/L
					Heptachlor	0.23 J	µg/L
					alpha-BHC	21 J	µg/L

Notes:

TCMX - Tetrachloro-m-xylene
J - Estimated Concentration

TABLE 6

QUALIFIED SAMPLE RESULTS DUE TO OUTLYING LABORATORY CONTROL SAMPLE RESULTS
LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL
JUNE-JULY 2014

Parameter	*Analyte*	*LCS Date*	*LCS (percent)*	*Control Limits (percent)*	*Associated Sample ID*	*Qualified Results*	*Units*
VOCs	Methylene chloride	06/23/14	65	75 - 120	WG-9954-061314-SG-007	5.0 UJ	µg/L
					WG-9954-061314-SG-015	630 UJ	µg/L
					WG-9954-061314-SG-016	5.0 UJ	µg/L
VOCs	Methylene chloride	06/30/14	74	75 - 120	WG-9954-062314-SG-006	5.0 UJ	µg/L
VOCs	Chloroethane	06/30/14	74	75 - 120	WG-9954-062314-SG-006	5.0 UJ	µg/L

Notes:

LCS - Laboratory control sample
VOCs - Volatile Organic Compounds
UJ - Not detected; the associated reporting limit is estimated.

TABLE 7

QUALIFIED SAMPLE RESULTS DUE TO OUTLYING MATRIX SPIKE/MATRIX SPIKE DUPLICATE RESULTS
LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL
JUNE-JULY 2014

Parameter	*Sample ID*	*Analyte*	*MS % Recovery*	*MSD % Recovery*	*RPD (percent)*	*Control Limits*		*Qualified Result*	*Units*
						% Recovery	*RPD*		
SVOCs	WG-9954-070914-SG-035	Phenol	30	31	5	35 - 98	35	1.9 UJ	µg/L
		Benzoic acid	10	10	4	12 - 114	58	47 UJ	µg/L

Notes:

MS - Matrix Spike
MSD - Matrix Spike Duplicate
RPD - Relative Percent Difference
SVOCs - Semi-volatile Organic Compounds
UJ - Not detected; the associated reporting limit is estimated.

TABLE 8

QUALIFIED SAMPLE DATA DUE TO ANALYTE CONCENTRATIONS IN THE RINSE BLANKS
LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL
JUNE-JULY 2014

Parameter	*Rinse Blank ID*	*Blank Date*	*Analyte*	*Blank Result*	*Associated Sample ID*	*Original Result*	*Qualified Result*	*Units*
Pesticides	RB-9954-061314-SG-018	06/13/14	alpha-BHC	1.1	WG-9954-061314-SG-016	0.12	1.1 U	µg/L
					WG-9954-062614-SG-023	0.034 J	0.047 U	µg/L
Pesticides	RB-9954-061314-SG-018	06/13/14	delta-BHC	0.52	WG-9954-061314-SG-016	0.058	0.058 U	µg/L
					WG-9954-062614-SG-021	0.042 J	0.047 U	µg/L
					WG-9954-062614-SG-023	0.016 J	0.047 U	µg/L
					WG-9954-070814-SG-030	0.054	0.054 U	µg/L
					WG-9954-070914-SG-035	0.018 J	0.047 U	µg/L
Pesticides	RB-9954-061314-SG-018	06/13/14	gamma-BHC	0.92	WG-9954-061314-SG-016	0.092	0.092 U	µg/L

Notes:
J - Estimated Concentration
U - Not detected at the associated reporting limit.

TABLE 9

TENTATIVELY IDENTIFIED COMPOUNDS SUMMARY
LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL
JUNE-JULY 2014

		Volatiles		*Semi-Volatiles*	
Sample ID		***Compound***	***Estimated Concentration (µg/L)***	***Compound***	***Estimated Concentration (µg/L)***
WG-9954-060914-SG-001	8120	Unknown	74 J	-	-
WG-9954-060914-SG-002		Hexanal	17 J	Unknown	98.6 J
WG-9954-061014-SG-005		-	-	Unknown	61 J
WG-9954-062314-SG-006		Unknown	5.2 J	Unknown	17.2 J
WG-9954-061314-SG-007		Methyl Tert Butyl Ether	7.1 J	Unknown	110 J
WG-9954-061014-SG-008		Hexanal	26 J	Unknown	76 J
WG-9954-061014-SG-009		-	-	Unknown	150 J
WG-9954-062314-SG-010		Sulfur dioxide	27 J	Caprolactam Unknown	170 J 7.2 J
WG-9954-062314-SG-011		Sulfur dioxide	79 J	Butane, 2-methoxy-2-methyl-	95 J
WG-9954-062314-SG-012		Sulfur dioxide	62 J	Butane, 2-methoxy-2-methyl-	78 J
WG-9954-061314-SG-013		-	-	Unknown	43 J
WG-9954-061314-SG-014		-	-	Unknown	63 J

TABLE 9

TENTATIVELY IDENTIFIED COMPOUNDS SUMMARY
LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL
JUNE-JULY 2014

	Volatiles		*Semi-Volatiles*	
Sample ID	***Compound***	***Estimated Concentration (µg/L)***	***Compound***	***Estimated Concentration (µg/L)***
WG-9954-061314-SG-015	Unknown	2100 J	Unknown	9030 J
	Unknown Substituted Benzene	47000 J	Unknown Substituted Benzene	7910 J
	Cyclotetrasiloxane, octamethyl-	1300 J	Unknown Substituted Phenol	630 J
			Benzenemethanol, 2-chloro-	490 J
			Benzoic acid, 4-chloro-	6400 J
			Benzoic acid, 2-chloro-	2100 J
WG-9954-061314-SG-016	Unknown	19 J	Caprolactam	42 J
	2-Chloro-benzotrifluoride	17 J	Unknown	1268 J
	Benzene, 1-chloro-2-methyl-	31 J		
WG-9954-061314-SG-017	-	-	Unknown	3670 J
WG-9954-061314-SG-019	-	-	Unknown	359 J
WG-9954-061314-SG-020	-	-	Unknown	283 J
WG-9954-062614-SG-021	Sulfur dioxide	130 J	-	-
WG-9954-062614-SG-022	Sulfur dioxide	120 J	Unknown	7.0 J
WG-9954-062614-SG-023	Sulfur dioxide	140 J	Unknown	68 J
WG-9954-062614-SG-024	Sulfur dioxide	86 J	Unknown	86 J
	Idomethane	4.8 J		
	Hexane	1.6 J		

TABLE 9

TENTATIVELY IDENTIFIED COMPOUNDS SUMMARY
LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL
JUNE-JULY 2014

	Volatiles		*Semi-Volatiles*	
Sample ID	***Compound***	***Estimated Concentration (µg/L)***	***Compound***	***Estimated Concentration (µg/L)***
WG-9954-062714-SG-026	Sulfur dioxide	63 J	Unknown	521 J
WG-9954-062714-SG-027	Sulfur dioxide	170 J	Unknown	86 J
WG-9954-062714-SG-028	Sulfur dioxide	32 J	Unknown	449 J
WG-9954-070814-SG-030	-	-	Caprolactam	14 J
	-	-	Unknown	4.4 J
WG-9954-070814-SG-031	Sulfur dioxide	11 J	Caprolactam	26 J
	Unknown	6.1 J	Unknown	6.4 J
WG-9954-070814-SG-032	Sulfur dioxide	17 J	Caprolactam	26 J
	Unknown	5.5 J	Unknown	14 J
WG-9954-070814-SG-033	Unknown	21 J	Caprolactam	62 J
			Unknown	21 J
WG-9954-070914-SG-034	-	-	Unknown	610 J
WG-9954-070914-SG-035	-	-	Unknown	146 J

TABLE 9

TENTATIVELY IDENTIFIED COMPOUNDS SUMMARY
LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL
JUNE-JULY 2014

	Volatiles		*Semi-Volatiles*	
Sample ID	***Compound***	***Estimated Concentration (µg/L)***	***Compound***	***Estimated Concentration (µg/L)***
WG-9954-070914-SG-036	Sulfur dioxide Unknown	9.8 J 6.6 J	Unknown	49 J
WG-9954-070914-SG-037	-	-	Unknown	140 J

Notes:

- - Not Applicable
J - Estimated Concentration

TABLE 10

QUALIFIED SAMPLE DATA DUE TO DIFFERENCES IN DUAL COLUMN RESULTS
LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL
JUNE-JULY 2014

Parameter	*Analyte*	*RPD (percent)*	*Criteria (percent)*	*Associated Sample ID*	*Qualified Result*	*Units*
Pesticides	Heptachlor	154.9	40	WG-9954-061314-SG-015	0.060 J	µg/L
	Aldrin	186.2	40		0.064 J	µg/L
	gamma-Chlordane	70.7	40		0.067 J	µg/L
	Endrin ketone	59.8	40		0.23 J	µg/L
Pesticides	Aldrin	124.6	40	WG-9954-062614-SG-021	0.031 J	µg/L

Notes:

RPD - Relative Percent Difference
J - Estimated Concentration

Appendix G

2014 Niagara Falls Water Board Inspection Letter

NIAGARA FALLS WATER BOARD

SEMIANNUAL PLANT INSPECTION

INDUSTRIAL PRETREATMENT PROGRAM

Name and Address of SIU
Occidental Chemical Corporation
Love Canal Treatment Facility
805 – 97th Street
Niagara Falls, NY 14304

Permit Number: 44
SIC Codes: 4951
Date of Last Inspection: 1/11/2013
CATEGORICAL IU? NO
Day/Date and Time of Inspection:
Monday, January 6th, 2014 @ 9:15AM

SIU Representative:
Darrell Crockett

Inspectors Name:
Joel Paradise

Contact Phone No.: 998-5804

PART I FLOW RECORDING AND SAMPLING INSTRUMENTATION

a) Flow measurement instrument meets permit requirements? **YES**

b) Primary flow measurement device properly installed? **YES**

c) Type of flow measurement device -

Weir [ ]	Flume(s) [ ]	Water meter [ ]	Mag meter [**X**]

d) Does device measure flow adequately? **YES**

e) Is primary measuring device properly operated and maintained? [1960.6] **YES**

f) Are secondary instruments (recorders, integrators) properly operated and maintained? [1960.6] **YES**

g) Calibration frequency adequate? (date of last calibration): ***Quarterly – January 30th, 2014*** **YES**

PART II SAMPLE COLLECTION

a)	Does permit require SIU to submit Periodic Self Monitoring Reports? [40 CFR403.12h]	**YES**
b)	If "yes", does the sample collection frequency and pollutant type conform with permit requirements?	**YES**
c)	Are the sample collection locations as described in the permit adequate for representative sample collection? [1960.6 (a)]	**YES**
d)	Does the method of sample collection conform with permit requirements, **Sewer Use Ordinance** and **Federal Standards**?	**YES**
	i) Sample **refrigerated throughout collection and storage?**	**YES**
	ii) Are samples properly preserved?	**YES**
	iii) Are samples collected using **flow proportion composite** or **grab sampling where appropriate**? [40 CFR12(b)(5)(iii)].	**YES**
	iv) Sample holding times appropriate? [40 CFR136.3]	**YES**

PART III LABORATORY FACILITIES

a)	Is a commercial laboratory used?	**YES**
	i) Name of laboratory: **TestAmerica Pittsburg**	
	ii)	
	ii) Address: **301 Alpha Drive Pittsburg, PA 15238**	
	iii) Is laboratory State certified?	**YES**
b)	Does SIU perform its own analysis?	**NO**
	i) Is the SIU's laboratory State certified?	**N/A**
	ii) Are your laboratory wastes properly disposed of?	**N/A**
c)	Are EPA approved testing methods used?	**YES**

PART IV RECORDS AND REPORTS

a)	Are monitoring records and reports retained in SIU files for **at least three years**? [1960.5 (d)(3)]	**YES**
b)	Are **all** records of sludge volume and disposal practices maintained in files? [1960.5 (d)(2)]	**YES**
c)	Have all hazardous waste discharges been reported to POTW? [40 CFR403.12(p)].	**N/A**
d)	If hazardous waste is discharged, is a waste minimization plan developed and implemented?	**N/A**
e)	Does the SIU have a valid wastewater discharge permit retained on file? [40 CFR403.8(f)(I)(iii)(A)-(E)]	**YES**
f)	Have **all** required reports been submitted on time?	**YES**
g)	Do Self Monitoring reports contain necessary information (samplers name, date & time, sample type, flow, preservation, chain of custody, results) ? [40 CFR403.8(f)(3)(vi)].	**YES**

PART V PLANT OPERATION AND MAINTENANCE

a)	Have there been any accidental discharge(s) that entered the sewer system?	**NO**
	Have they been reported to the POTW as well as other appropriate agencies? [1960.6 (d)]	**N/A**
b)	Is a spill notification procedure conspicuously posted in process areas of the plant?	**YES**
c)	Is there any evidence of spills?	**NO**
d)	Are all hazardous sludges and solids properly disposed of?	**YES**

e) Has this facility been evaluated ***OR*** re-evaluated for its' potential to experience a slug discharge? 1/6/2014 **YES**

1) Is a **Slug Control Plan** required for this facility [40 CFR403.8(f)(2)(vi)] ? **NO**

A. Has the facility **Developed** and **Implemented** a **Slug Control Plan**? **N/A**

a. The date of the plan's last update: **N/A**
b. Is the latest update on file at the NFWB? **N/A**
c. Does it contain the correct Water Board phone numbers and extensions. **N/A**

2) Has the facility experienced a slug discharge since The last inspection? **NO**

f) Have there been any significant **manufacturing** or **process** changes? [1960.5 (c)] **NO**

List**:** ***None***

Who was contacted **prior** to implementation of these changes?
N/A Date: ***N/A***

g) Describe your hazardous waste storage area(s).
Double contained in the decontamination/storage facility.

Do they meet DEC & EPA containment requirements? **YES**

Are all containers correctly labeled and time limits adhered to? **YES**

Describe your method of disposal:

Incineration as needed through Clean Harbors Inc. at their Deer Park Texas Facility, approximately once per quarter.

h) Regarding the blueprints that you submitted with your last permit application, **have there been any significant changes made to your process or sewer lines?** **NO**

Have revised blueprints been sent to the WWTP? **N/A**

PART VI PRETREATMENT

a) Briefly describe all required pretreatment.
Clarifier → Bag filter → Carbon treatment → WWTP

b) Are all pretreatment facilities properly maintained? **YES**

c) How many pH probes does your pH monitoring system contain? ***0***

List the frequency for calibration.
N/A

d) To your knowledge, has **anyone** discharged any un-permitted waste or waste not properly pretreated into the sewer system? [40 CFR 403.179] **NO**

e) Were WWTP personal notified? **N/A**

-- Prior to discharge to sewer? **N/A**

-- During or after discharge? **N/A**

Who? ***N/A*** Date: ***N/A*** Time: ***N/A***

SIU personal who contacted WWTP: ***N/A***

Was written notification given to the WWTP **within five (5) working days** of the start of the event? [40 CFR 403.17a] **N/A**

Sent to: ***N/A*** From: ***N/A*** Date: ***N/A***

f) List any pretreatment changes that were made in the past 12 months.
None

Who was contacted **prior** to implementation of these pretreatment changes?
N/A

PART VII COMPLIANCE AND ENFORCEMENT

a)	Has the SIU had any violations since the last inspection? List: ***None***	**NO**
b)	If numeric violations were noted by SIU, was a repeat sample collection and analysis performed within 30 days and the results submitted to the POTW [40 CFR403.12(g)] ?	**N/A**
c)	Is SIU currently on an administrative order and/or compliance schedule?	**NO**
d)	If yes, have milestone dates on schedule been met?	**N/A**
e)	Was escalating enforcement action required to achieve compliance? Describe: ***None Required***	**NO**

PART VIII RECOMMENDATIONS, REQUIREMENTS AND COMMENTS:

January 16, 2015

Mr. Darrell Crockett – Facility Manager
Occidental Chemical Corporation
Love Canal
805 – 97th Street
Niagara Falls, New York 14304

Dear Mr. Crockett:

Enclosed please find the results of the Plant Inspection that was conducted at your facility on Monday, January 6th, 2014 @ 9:15AM

If you have any questions, I can be reached at 283-9770 ext 261.

Sincerely,

NIAGARA FALLS WATER BOARD
WASTEWATER FACILITIES

Joel R. Paradise
Senior Industrial Waste Inspector

Cc: A. Zaepfel → J. Paradise → **File: - I-44**
Emailed to SIU

Appendix H

2014 Test and Maintenance of Backflow Prevention Device Reports

Glenn Springs Holdings, Inc.
A subsidiary of Occidental Petroleum

Joe Branch
Project Manager
Direct Dial (231) 670-6809

7601 Old Channel Trail
Montague, MI 49437
Fax (231) 894-4033

March 31, 2014

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: 2014 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 March 25, 2014 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 231-670-6809 or by email at joseph_branch@oxy.com.

Very truly yours,

GLENN SPRINGS HOLDINGS, INC.

JBranch

Joseph Branch
Project Manager

JB/adh/6
Encl.

c.c.: J. Pentilchuk, CRA
J. Polovich, CRA

NEW YORK STATE DEPARTMENT OF HEALTH
Bureau of Public Water Supply Protection
Empire State Plaza - Corning Tower Room 1110
Albany, NY 12237

Report on Test and Maintenance of Backflow Prevention Device

Please use a separate form for each device.

For the year 2014
☐ 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 (Street) 805 95TH ST. (City) NIAGARA FALLS (Zip) 14304
Location of Device: TREATMENT BDG.

Device Information	Manufacturer	Type	Model	Size (in inches)	Serial Number
	WATTS	☒ RPZ ☐ DCV	009M2QT	2"	179645

	Check Valve No. 1	Check Valve No. 2	Differential Pressure Relief Valve	Line Pressure 80 psi
Test before repair	Leaked ☐ Closed tight ☒ Pressure drop across first check valve 7.8 psid	Leaked ☐ Closed tight ☒	Opened at 2.9 psid	Date 03 25 14 (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		04/30/14

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

Print Name	Title	Signature	Telephone
Darrell Corbett	Technician		( ) -

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		Describe minor installation changes	
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)

NEW YORK STATE DEPARTMENT OF HEALTH
Bureau of Public Water Supply Protection
Empire State Plaza - Corning Tower Room 1110
Albany, NY 12237

Report on Test and Maintenance of Backflow Prevention Device

Please use a separate form for each device.

For the year 2014
☐ 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 95TH ST. NIAGARA FALLS 14304 (Street / City / Zip)
Location of Device: TREATMENT BDG. (WASHROOM)

Device Information	Manufacturer	Type	Model	Size (in inches)	Serial Number
	WATTS	☒ RPZ ☐ DCV	009M3QT	3/4	82766

	Check Valve No. 1	Check Valve No. 2	Differential Pressure Relief Valve	Line Pressure
Test before repair	Leaked ☐ Closed tight ☒ Pressure drop across first check valve 7.0 psid	Leaked ☐ Closed tight ☒	Opened at 2.0 psid	60 psi Date 03 25 14 (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 ____ paid	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 JOHN A. GELBA — Certified Tester No. 5808 — Signature — Expiration Date 04/30/14

Property owner's (or owner's agent) certification that test was performed:
Print Name Darrell Crockett — Title Technician — Signature — Telephone ( )

Part II 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		Describe minor installation changes	
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.

NEW YORK STATE DEPARTMENT OF HEALTH
Bureau of Public Water Supply Protection
Empire State Plaza - Corning Tower Room 1110
Albany, NY 12237

Report on Test and Maintenance of Backflow Prevention Device

PART A

Please use a separate form for each device.

For the year 2014
[ ] Initial test - Complete entire form
[X] 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 95TH ST NIAGARA FALLS 14304 (Street, City, Zip)

Location of Device: TREATMENT BDG. (MECH. ROOM)

Device Information	Manufacturer: WATTS	Type: [X] RPZ [ ] DCV	Model 909	Size (in inches) 3"	Serial Number 192775

	Check Valve No. 1	Check Valve No. 2	Differential Pressure Relief Valve	Line Pressure 85 psi
Test before repair	Leaked [ ] Closed tight [X]; Pressure drop across first check valve 7.6 psid	Leaked [ ] Closed tight [X]	Opened at 2.1 psid	Date 03 25 14 (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	504057 016911 0	(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 [X] 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.

JOHN A. GOLBA — Print Name
5808 — Certified Tester No.
[signature] — Signature
04/30/14 — Expiration Date

Property owners (or owner's agent) certification that test was performed:
Darrell Crockett — Print Name
Technician — Title
[signature] — Signature
( ) - Telephone

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	Describe minor installation changes		
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.

NEW YORK STATE DEPARTMENT OF HEALTH
Bureau of Public Water Supply Protection
Empire State Plaza - Corning Tower Room 1110
Albany, NY 12237

Report on Test and Maintenance of Backflow Prevention Device

Please use a separate form for each device.

For the year 2014
☐ 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 GLENRIDGE REMEDIATION
Address (Street) 805 95TH ST. (City) NIAGARA FALLS (Zip) 14304
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 85 psi
Test before repair	Leaked ☐ Closed tight ☒ Pressure drop across first check valve 7.2 psid	Leaked ☐ Closed tight ☒	Opened at 4.0 psid	Date 03 25 14 (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	060152	• 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		04/30/14

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

Print Name	Title	Signature	Telephone
Darrell Crocker	Technician		( ) -

PART C 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		Describe minor installation changes	
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(6/01)

NEW YORK STATE DEPARTMENT OF HEALTH
Bureau of Public Water Supply Protection
Empire State Plaza - Corning Tower Room 1110
Albany, NY 12237

Report on Test and Maintenance of Backflow Prevention Device

Please use a separate form for each device.

For the year 2014
☐ 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 GLELEPRIXS REMEDIATION
Address 805 95TH ST. NIAGARA FALLS 14304 (Street / City / Zip)
Location of Device: LOCKER ROOM

Device Information	Manufacturer	Type	Model	Size (in inches)	Serial Number
	WATTS	☒ RPZ ☐ DCV	909	1½"	364807

	Check Valve No. 1	Check Valve No. 2	Differential Pressure Relief Valve	Line Pressure 85 psi
Test before repair	Leaked ☐ Closed tight ☒ Pressure drop across first check valve 7.2 psid	Leaked ☐ Closed tight ☒	Opened at 2.6 psid	Date 03 25 14 (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	810504	• 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		04/30/14

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

Print Name	Title	Signature	Telephone
Darrell Cloutier	Technician		( ) -

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		Describe minor installation changes	
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)