Syracuse Label Company, Inc.

110 Luther Avenue BCP Site (BCP Site #C734118)

Periodic Review Report - Jan. 2012 - Jun. 2013

July 2013

Executive Summary

The 110 Luther Avenue Brownfield Cleanup Program (BCP) Site (BCP Site #C734118) consists of approximately 1.40-acres of land located at 110 Luther Avenue, Town of Salina, Onondaga County, New York. The Site owner is Syracuse Label Company, Inc. (Syracuse Label). The Site groundwater was found to be contaminated with volatile organic compounds (VOCs), primarily tetrachloroethene (PCE) and it's degradation byproducts, trichloroethene (TCE), dichloroethene (DCE) and vinyl chloride (VC). The Site was remediated to commercial use cleanup standards and received a Certificate of Completion (COC) from the New York State Department of Environmental Conservation (NYSDEC) on December 22, 2011.

The Site is currently in the monitoring stage, and groundwater samples are collected from Site monitoring wells on a quarterly basis. Based on the data, concentrations of target compounds in groundwater have shown a general decrease over time, with the exception of samples taken from groundwater monitoring well MW-13.

Based on a review of quarterly groundwater monitoring results, and discussions with the NYSDEC, Syracuse Label implemented corrective measures to address the elevated concentrations of degradation byproducts identified in Site groundwater monitoring wells and the increasing trend in concentrations of target compounds in groundwater monitoring well MW-13. Implementation of corrective measures was begun on February 25, 2013 and completed on June 18, 2013. The effectiveness of the corrective measures will be monitored quarterly as part of the ongoing groundwater monitoring program.

The institutional controls and engineering controls for the Site remain in place and effective for protecting human health and the environment. The sub-slab depressurization system (SSDS) engineering control is inspected monthly by Syracuse Label and the system has been operating as planned. The soil cover engineering controls remain in place. Groundwater monitoring has been completed in accordance with the Site Management Plan (SMP), which identified the need for quarterly groundwater monitoring.

There is no need to revise the SMP or propose a change to the frequency of PRR submittals at this time. Groundwater will continue to be monitored on a quarterly basis in accordance with the SMP. The requirements necessary to discontinue Site monitoring have not been met at this time.

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1. Introduction

1.1 Purpose

This Periodic Review Report (PRR) is being submitted on behalf of Syracuse Label Company, Inc. (Syracuse Label) for the 110 Luther Avenue Brownfield Cleanup Program (BCP) Site (BCP Site No. C734118) located at 110 Luther Avenue, Liverpool, New York (Figure 1). The purpose of this PRR, and attached documents, is to document that institutional and engineering controls, as described in the New York State Department of Environmental Conservation (NYSDEC)-approved Site Management Plan (SMP) and Environmental Easement, are in place in accordance with 6NYCRR Part 375-3. The following elements are included in this report:

- A complete description of all institutional and/or engineering controls employed at the Site;
- An evaluation of the plans developed for implementation of the engineering and institutional controls, regarding the continued effectiveness of any institutional and/or engineering controls required by the decision document for the Site;
- A certification prepared by a professional engineer or qualified environmental professional that the institutional controls and/or engineering controls employed at the Site during the period are:
  - Unchanged from the previous certification, unless approved by the Department, consistent with the SMP;
  - In place and effective;
  - Performing as designed, and that nothing has occurred that would (1) impair the ability of the controls to protect public health and environment, or (2) constitute a violation or failure to comply with any operation and maintenance plan for such controls;
- The institutional and engineering controls certification form as issued by the Department has been completed and included as Appendix A;
- Data tables and figures depicting results of quarterly groundwater monitoring activities conducted on-Site; and
- Information related to ongoing remedial action.

1.2 Certification Period

This Periodic Review Report (PRR) is the initial PRR and discusses maintenance and monitoring activities for the period between January 1, 2012 and June 30, 2013, which is the 18-month period following issuance of the Certificate of Completion. During this period, Syracuse Label performed regular inspections of the engineering controls on-Site, including the sub-slab depressurization system (SSDS) and soil covers.

1.3 Scope and Limitations

This report: has been prepared by GHD for Syracuse Label Company, Inc. and *may only be used and relied on by Syracuse Label Company, Inc. for the purpose agreed between GHD and the Syracuse Label Company, Inc. as set out in section 1.1 of this report.*

GHD otherwise disclaims responsibility to any person other than Syracuse Label Company, Inc. arising in connection with this report. GHD also excludes implied warranties and conditions, to the extent legally permissible.

The services undertaken by GHD in connection with preparing this report were limited to those specifically detailed in the report and are subject to the scope limitations set out in the report.

The opinions, conclusions and any recommendations in this report are based on conditions encountered and information reviewed at the date of preparation of the report. GHD has no responsibility or obligation to update this report to account for events or changes occurring subsequent to the date that the report was prepared.

The opinions, conclusions and any recommendations in this report are based on assumptions made by GHD described in this report. GHD disclaims liability arising from any of the assumptions being incorrect.

GHD has prepared this report on the basis of information provided by Syracuse Label Company, Inc. and others who provided information to GHD (including Government authorities), which GHD has not independently verified or checked beyond the agreed scope of work. GHD does not accept liability in connection with such unverified information, including errors and omissions in the report which were caused by errors or omissions in that information.

The opinions, conclusions and any recommendations in this report are based on information obtained from, and testing undertaken at or in connection with, specific sample points. Site conditions at other parts of the Site may be different from the Site conditions found at the specific sample points.

Investigations undertaken in respect of this report are constrained by the particular Site conditions, such as the location of buildings, services and vegetation. As a result, not all relevant Site features and conditions may have been identified in this report.

Site conditions (including the presence of hazardous substances and/or Site contamination) may change after the date of this Report. GHD does not accept responsibility arising from, or in connection with, any change to the Site conditions. GHD is also not responsible for updating this report if the Site conditions change.

2. Site Overview

2.1 Background

The Site is located in the Town of Salina, Onondaga County, New York and is identified as Block 12 and Lots 04.1, 05.0, 06.1, 08.0, and 09.0 on the Onondaga County Tax Map (Tax Map No. 85-12). The Site is approximately 1.40-acres of land bounded by Albion Avenue to the northwest, Knapp Street to the northeast, Luther Avenue and a parcel operated by Brannock Devices Company, Inc. to the southeast, and an unpaved parking area operated by Bush Electronics to the southwest (see Figure 2).

The Site is currently developed with a two story building used for office space, light manufacturing, and warehouse operations. The portion of the Site not occupied by the building consists of paved parking and delivery areas, with minor landscaping areas.

The Remedial Investigation (RI), which was conducted under Brownfield Cleanup Agreement (BCA Index #B7-0811-09-08) between December 2009 and November 2010, characterized the nature and extent of contamination at the Site. The results of the RI, as reported in the RI Report (S&W Redevelopment of North America, LLC (SWRNA), January 2011, Revised: June 2011) determined that groundwater contamination, consisting of chlorinated volatile organic solvents (tetrachloroethene, trichloroethene, and their degradation products), existed in a discrete area located in the eastern/central portion of the Site (Figure 3). This area of the Site corresponds to the location of a historic floor trench drain.

A Remedial Action Work Plan (RAWP) was prepared by SWRNA (June 2011, Revised: September 2011), which:

- identified the remedial goals and remedial action objectives;
- discussed the remedy selection;
- summarized remedial action pilot test findings;
- summarized the sub-slab communication testing findings; and
- outlined the remedial design for the proposed remedial approach.

The proposed remedial approach was to remediate the Site to a Track 4 Restricted Use by meeting the Commercial Use Soil Cleanup Objectives (SCOs). This remediation approach included implementation of a groundwater remedy and engineering/institutional controls. The groundwater remedy included in-situ chemical reduction (ISCR), which consisted of injection of 11,100 pounds of a granular carbon and zero valent iron powder mixed into a slurry and 12 liters of a bacterial consortium (Dehalococcoides). The groundwater remedy was completed in a discrete area of the Site between February 2011 (pilot test) and July 2011 (full scale). The engineering controls consisted of maintaining the soil cover system and installing a sub-slab depressurization system (SSDS) in the existing on-Site building. The institutional controls included a Site groundwater use restriction, a Site use restriction restricting the use to Commercial or Industrial uses, and the requirement that a SSDS will be installed in any future buildings constructed on-Site.

An Environmental Easement (EE) for the Site was filed with the Onondaga County Clerk's Office on October 21, 2011. A Site Management Plan, which outlines Site restrictions and requirements of future maintenance and monitoring, was completed in November 2011. A Certificate of Completion

(COC) allowing for commercial or industrial uses of the Site was received from the NYSDEC on December 22, 2011.

The reader of this PRR may refer to previous reports for more detail, as needed. These reports include:

- *Remedial Investigation*, Brownfield Cleanup Program, 110 Luther Avenue Site, 110 Luther Avenue, Liverpool, Onondaga County, New York, BCP Site #C734118, S&W Redevelopment of North America, LLC, January 2011, Revised: June 2011.
- *Remedial Action Work Plan,* Brownfield Cleanup Program, 110 Luther Avenue Brownfield Site, 110 Luther Avenue, Liverpool, Onondaga County, New York, S&W Redevelopment of North America, LLC, June 2011, Revised: September 2011.
- *Site Management Plan,* 110 Luther Avenue Site, Onondaga County, New York, NYSDEC Site Number: C734118, S&W Redevelopment of North America, LLC, August 2011, Revised: November 2011.
- *Final Engineering Report,* 110 Luther Avenue Site, Onondaga County, New York, NYSDEC Site Number: C734118, S&W Redevelopment of North America, LLC, September 2011, Revised: November 2011.

3. Institutional and Engineering Controls

Based on identified groundwater contamination, potential soil vapor contamination, and the Site's past and present use, institutional and engineering controls are utilized at the Site to limit exposure risks. These institutional and engineering controls are described below.

3.1 Institutional Controls

The institutional controls (ICs) for this Site are outlined in the NYSDEC-approved SMP (SWRNA, August 2011, Revised: November 2011), and include the following:

- An Environmental Easement filed with the Onondaga County Clerk's Office;
- A restriction on the use of groundwater without prior approval by NYSDEC;
- An Excavation Work Plan providing guidance for future excavations conducted on-Site;
- A use restriction limiting future Site use to commercial or industrial use without prior approval of the NYSDEC; and
- Monitoring for ownership changes of adjacent property (116 Luther Avenue - Tax Identification 085.-12-10.0).

3.1.1 Groundwater

Groundwater is not being used at the Site.

3.1.2 Excavations

No excavations have occurred on-Site during the certification period.

3.1.3 Site Use

The Site use has not changed since the NYSDEC has issued the Certificate of Completion (COC).

3.1.4 Ownership of Adjacent Property

Based on information from the Onondaga County Real Property Tax Services website (http://www.ongov.net/rpts/propertyTaxInfo.html), the adjacent property located to the south of Syracuse Label has been owned by Salvatore A. Leonardi, Junior since 1995. Based on field observations, the property has been, and continues to be, operated as Brannock Devices Company, Inc. (Appendix B).

3.2 Engineering Controls

The engineering controls (ECs) for this Site are outlined in the NYSDEC-approved SMP (SWRNA, August 2011, Revised: November 2011), and include the following:

3.2.1 Sub-Slab Depressurization System

A sub-slab depressurization system (SSDS) was installed in the existing Site building in July 2011 by Radon Home Services, Inc. a certified radon mitigation contractor. The SSDS is a high vacuum system utilizing fourteen (14) suction points positioned at locations throughout the building (Figure 4). The system is designed to operate continuously to create a negative pressure beneath the

building slab in order to preclude potential soil vapor intrusion issues. The extracted soil vapor is vented to the atmosphere.

System inspection forms, completed by Syracuse Label personnel monthly during the certification period, indicate that the system was operating continuously and that there was no need for repairs or maintenance (Appendix C).

Additional information can be found in the Institutional and Engineering Controls Certification Form (Appendix A).

3.2.2 Soil Cover Engineering Control

Direct contact with soil/fill at the Site is mitigated by a soil cover system in place over the entirety of the Site. This soil cover system is comprised of existing asphalt pavement, existing concrete building slabs, and existing grassed areas. The location of the soil cover system is depicted in Figure 5.

The soil cover system was in place for the duration of the certification period and no maintenance was required to amend the soil cover system.

Additional information can be found in the Institutional and Engineering Controls Certification Form (Appendix A).

4. Operations and Monitoring

The NYSDEC-approved SMP (SWRNA, August 2011, Revised: November 2011) requires quarterly monitoring and reporting to demonstrate groundwater remedy effectiveness (Figure 2 and Tables 1, and 2). The quarterly monitoring is intended to assess the performance of the remedy and overall reduction in contamination on-Site. The laboratory sample results were transmitted to the NYSDEC on:

- May 11, 2012 (1st Quarter 2012 sampling);
- July 24, 2012 (2nd Quarter 2012 sampling);
- October 5, 2012 (3rd Quarter 2012 sampling);
- January 18, 2013 (4th Quarter 2012 sampling); and
- July 2, 2013 (1st Quarter 2013 sampling).

The 2nd Quarter 2013 groundwater monitoring event was conducted on June 27 and 28, 2013. As a result, the data from this groundwater monitoring event was not received prior to completing this PRR and will be included in the next PRR (June 2014).

Based on the data, concentrations of target compounds in groundwater have shown a decrease over time, with several samples from monitoring wells at non-detect (ND) concentrations for PCE and TCE. The exception is samples taken from groundwater monitoring well MW-13, as shown in the summary tables below.

- MW-7:

Target Compounds	Baseline Concentration (February 2010)	Current Concentration (March 2013)
Tetrachloroethene (PCE)	27,000 micrograms per liter (ug/L)	ND (Laboratory detection limit (LDL) of 140 ug/L)
Trichloroethene (TCE)	4,300 ug/L	ND (LDL of 180 ug/L)
cis-1,2-dichloroethene (cis-DCE)	2,600 ug/L	18,000 ug/L
trans-1,2-dichloroethene (trans-DCE)	Non-Detect (ND)	ND (LDL of 360 ug/L)
Vinyl chloride (VC)	260 ug/L	7,900 ug/L

- MW-8:

Target Compounds	Baseline Concentration (February 2010)	Current Concentration (March 2013)
Tetrachloroethene (PCE)	3,900 ug/L	800 ug/L
Trichloroethene (TCE)	860 ug/L	380 ug/L
cis-1,2-dichloroethene (cis-DCE)	2,500 ug/L	9,400 ug/L
trans-1,2-dichloroethene (trans-DCE)	ND (LDL of 15 ug/L)	ND (LDL of 180 ug/L)
Vinyl chloride (VC)	250 ug/L	4,300 ug/L

- MW-11:

Target Compounds	Baseline Concentration (February 2011)	Current Concentration (March 2013)
Tetrachloroethene (PCE)	42,000 ug/L	ND (LDL of 290 ug/L)
Trichloroethene (TCE)	6,300 ug/L	ND (LDL of 370 ug/L)
cis-1,2-dichloroethene (cis-DCE)	3,800 ug/L	37,000 ug/L
trans-1,2-dichloroethene (trans-DCE)	ND (LDL of 380 ug/L)	ND (LDL of 720 ug/L)
Vinyl chloride (VC)	ND (LDL of 500 ug/L)	4,900 ug/L

- MW-12:

Target Compounds	Baseline Concentration (February 2010)	Current Concentration (March 2013)
Tetrachloroethene (PCE)	220 ug/L	ND (LDL of 1.8 ug/L)
Trichloroethene (TCE)	79 ug/L	ND (LDL of 2.3 ug/L)
cis-1,2-dichloroethene (cis-DCE)	670 ug/L	93 ug/L
trans-1,2-dichloroethene (trans-DCE)	ND (LDL of 3.8 ug/L)	ND (LDL of 4.5 ug/L)
Vinyl chloride (VC)	18 ug/L	4.9 ug/L

- MW-13:

Target Compounds	Baseline Concentration (February 2010)	Current Concentration (March 2013)
Tetrachloroethene (PCE)	410 ug/L	4,600 ug/L
Trichloroethene (TCE)	600 ug/L	2,500 ug/L
cis-1,2-dichloroethene (cis-DCE)	780 ug/L	9,600 ug/L
trans-1,2-dichloroethene (trans-DCE)	12 ug/L	ND (LDL of 90 ug/L)
Vinyl chloride (VC)	29 ug/L	500 ug/L

- MW-17:

Target Compounds	Baseline Concentration (February 2010)	Current Concentration (March 2013)
Tetrachloroethene (PCE)	14,000 ug/L	ND (LDL of 3.6 ug/L)
Trichloroethene (TCE)	2,000 ug/L	ND (LDL of 4.6 ug/L)
cis-1,2-dichloroethene (cis-DCE)	750 ug/L	570 ug/L
trans-1,2-dichloroethene (trans-DCE)	ND (LDL of 76 ug/L)	ND (LDL of 9.0 ug/L)
Vinyl chloride (VC)	ND (LDL of 99 ug/L)	410 ug/L

Concentrations of cis-DCE and VC showed a sharp increase in most wells sampled following implementation of the pre-COC groundwater remedy (Table 2). The increases observed for cis-DCE and VC were expected as a result of the groundwater remediation efforts, which are degrading PCE and TCE into cis-DCE and VC. The concentrations of cis-DCE and VC have shown a decreasing trend, which is expected to continue over time as degradation continues (Table 2).

Groundwater sampling results for each quarterly sampling event were uploaded into the NYSDEC EQuIS Database, approved by the EQuIS Team, and are ready for use(Appendix D).

4.1 Corrective Measures

Based on a review of quarterly groundwater monitoring results, and discussions with the NYSDEC, Syracuse Label implemented corrective measures to address the elevated concentrations of degradation byproducts (cis-DCE and VC) identified in Site groundwater monitoring wells as a result of the degradation of PCE and TCE in groundwater and the increasing trend in concentrations of target compounds (PCE and TCE) in groundwater monitoring well MW-13.

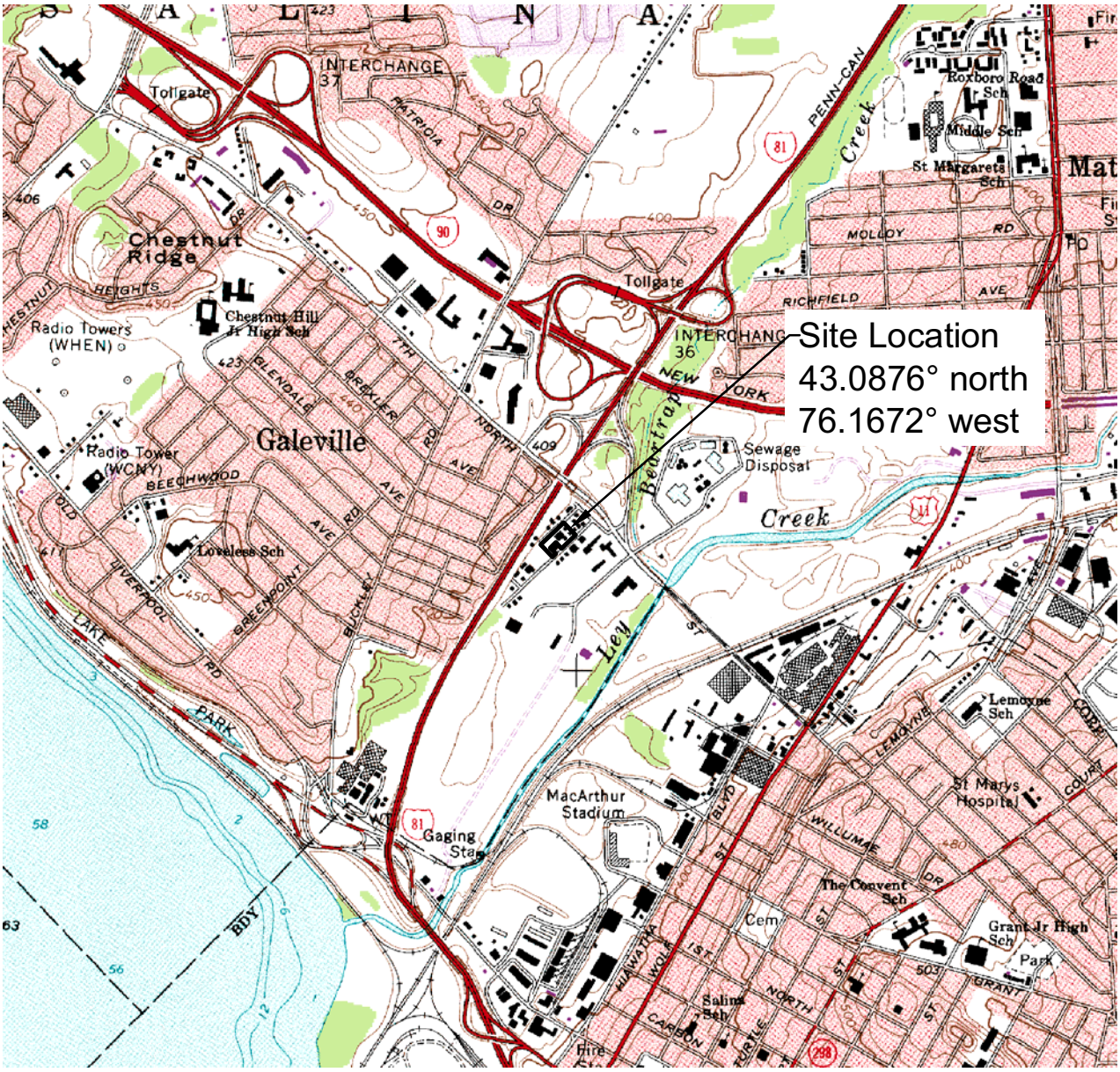
The corrective measures, which included additional carbon and zero valent iron slurry and bacterial consortium injection, were begun on February 25, 2013 and completed on June 18, 2013. The corrective measures injections were completed in areas within the building around MW-12, the trench drain area (around wells MW-7, MW-11, and MW-17), and the area between MW-1 and MW-10 outside of the building (Figure 6). Implementation of the corrective measures will be reported in a separate Corrective Measures Report, and as a result are not discussed further here.

5. Recommendations

Based on a review of the quarterly groundwater data, it is recommended that the ICs and ECs currently in place for the Site remain in place in order to ensure the continued effectiveness and protectiveness of the remedy. Groundwater monitoring should continue to be conducted on a quarterly basis. The effectiveness of the remedy should continue to be evaluated through quarterly groundwater monitoring results.

A Corrective Measures Report documenting the corrective measures implemented during the first and second quarters of 2013 will be prepared and submitted to the NYSDEC and New York State Department of Health (NYSDOH) for review and comment.

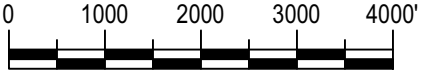
Figures



QUADRANGLE LOCATION

Contour Interval: 10 Feet

Map Taken From: USGS 7.5 Minute Series
Topographic Quadrangle;
Syracuse West (1975, photorevised 1978)
(www.nysgis.state.ny.us/quads/usgsdrg.htm)



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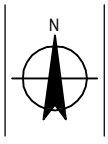

Syracuse Label Company, Inc
Periodic Review Report - Jan. 2012 - Jun. 2013
BCP Site # C734118
Site Location Map

Job Number	86-14941.06
Revision	A
Date	June 2013

Figure 1

One Remington Park Drive, Cazenovia NY 13035 USA **T** 1 315 679 5800 **F** 1 315 679 5853 **E** cazmail@ghd.com **W** www.ghd.com

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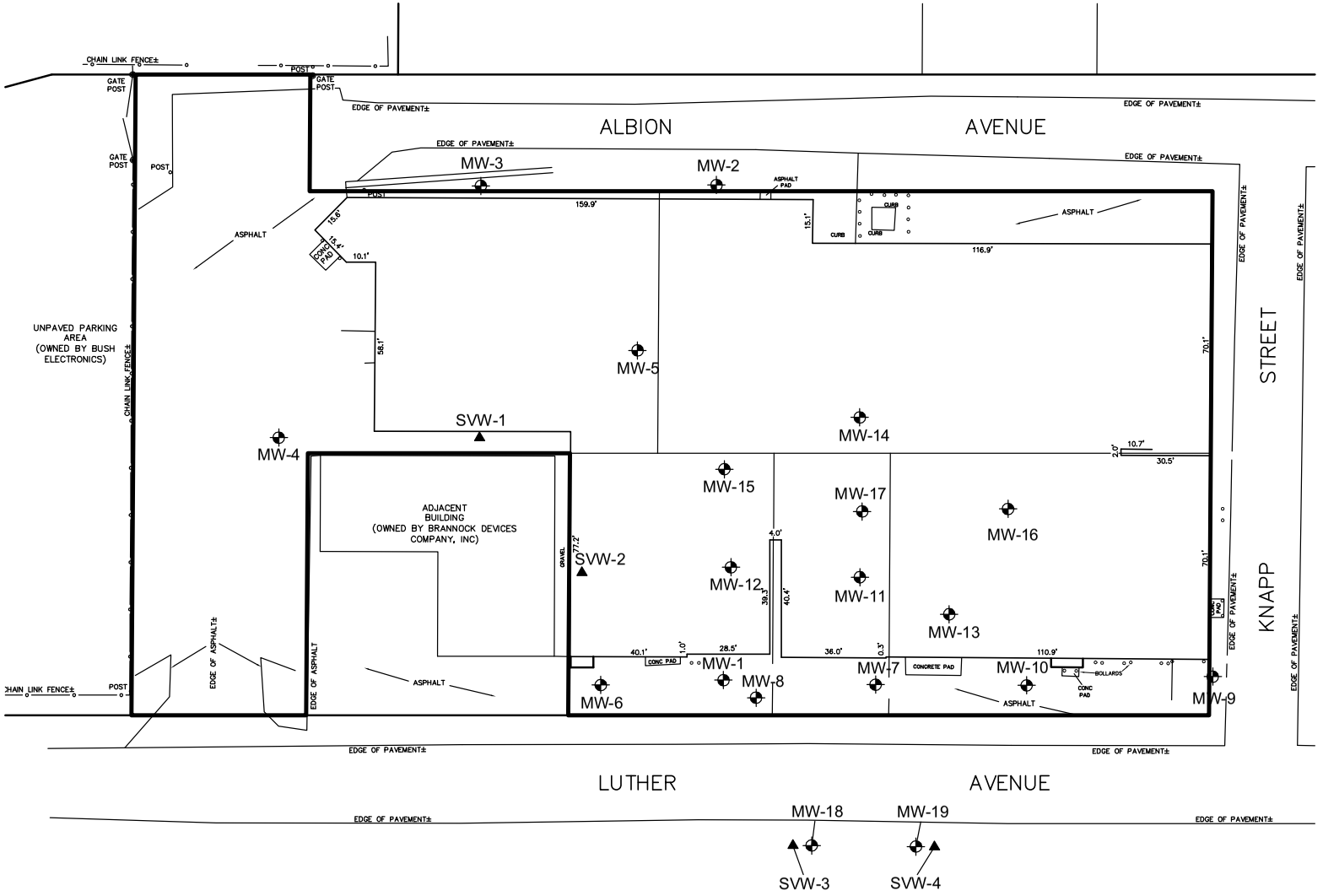

LEGEND:

- MW-1 — GROUNDWATER MONITORING WELL LOCATION AND ID
- SVW-1 — SOIL VAPOR MONITORING WELL LOCATION AND ID
- BCP SITE BOUNDARY (APPROXIMATE)

NOTES:
1. GROUNDWATER MONITORING WELLS SAMPLED FOR IN-SITU CHEMICAL REDUCTION (ISCR) EFFECTIVENESS MONITORING INCLUDE MW-2, MW-7, MW-8, MW-11, MW-12, MW-13, AND MW-17.
2. GROUNDWATER MONITORING WELLS SAMPLED FOR SITE MONITORING INCLUDE MW-1, MW-10, MW-18, AND MW-19.

0 18 36 54 72'

SCALE 1"=36' AT ORIGINAL SIZE

NOTES:
1. SITE FEATURES BASED ON SITE SURVEY BY IANUZI & ROMANS, P.C. MARCH 2010 AND NOVEMBER 2010.

Syracuse Label Company, Inc.
Periodic Review Report - Jan. 2012 - Jun. 2013
BCP Site #C734118

Site Layout

Job Number 86-14941.06
Revision A
Date June 2013

Figure 2

One Remington Park Drive, Cazenovia NY 13035 USA T 1 315 679 5800 F 1 315 679 5801 E cazmail@ghd.com W www.ghd.com

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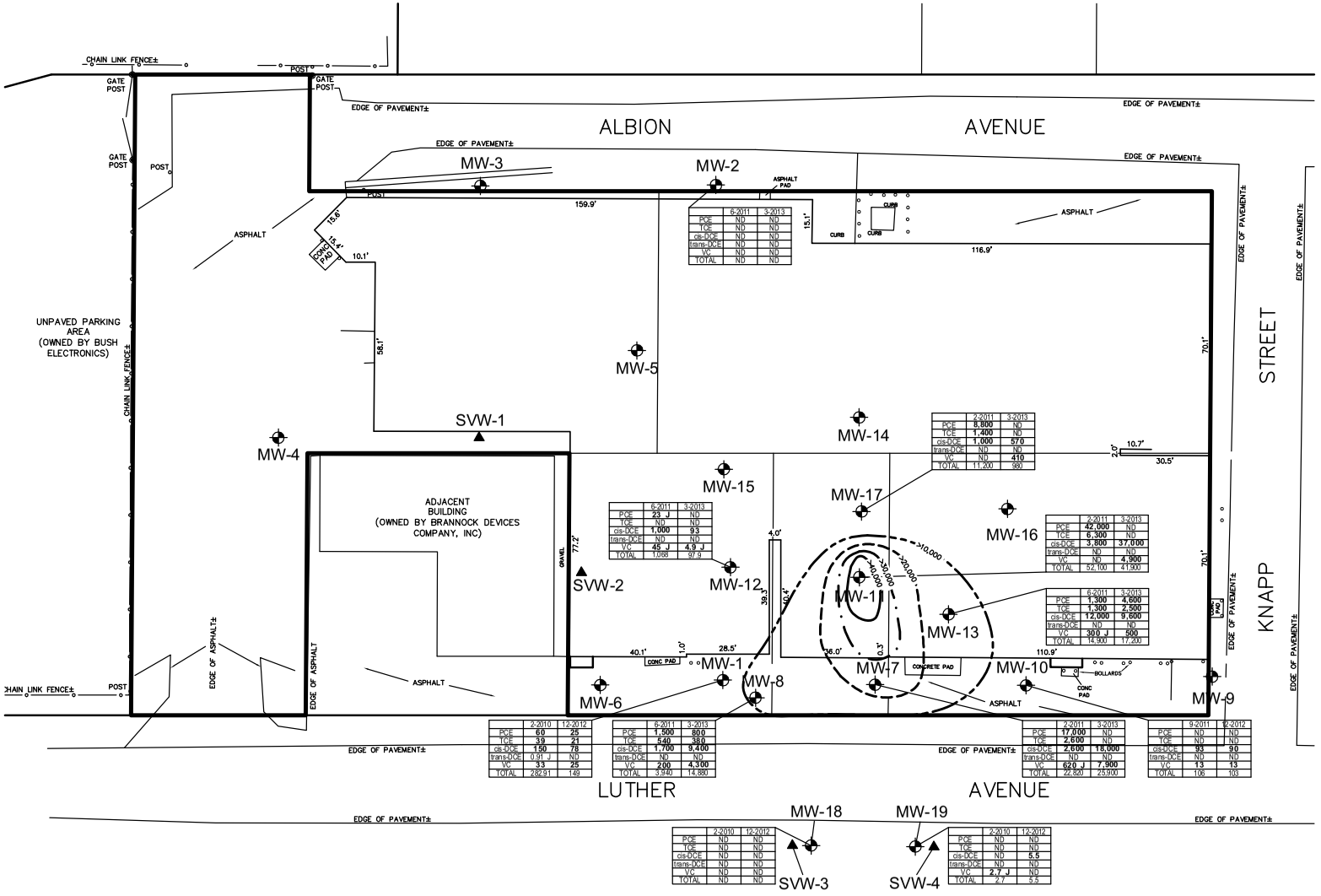


	6-2011	3-2013
PCE	ND	ND
TCE	ND	ND
cis-DCE	ND	ND
trans-DCE	ND	ND
VC	ND	ND
TOTAL	ND	ND

	2-2011	3-2013
PCE	**8,800**	ND
TCE	**1,400**	ND
cis-DCE	**1,000**	**570**
trans-DCE	ND	ND
VC	ND	**410**
TOTAL	11,200	980

	6-2011	3-2013
PCE	**23 J**	ND
TCE	ND	ND
cis-DCE	**1,000**	**93**
trans-DCE	ND	ND
VC	**45 J**	**4.9 J**
TOTAL	1,068	97.9

	2-2011	3-2013
PCE	**42,000**	ND
TCE	**6,300**	ND
cis-DCE	**3,800**	**37,000**
trans-DCE	ND	ND
VC	ND	**4,900**
TOTAL	52,100	41,900

	6-2011	3-2013
PCE	**1,300**	**4,600**
TCE	**1,300**	**2,500**
cis-DCE	**12,000**	**9,600**
trans-DCE	ND	ND
VC	**300 J**	**500**
TOTAL	14,900	17,200

	2-2010	12-2012
PCE	**60**	**25**
TCE	**39**	**21**
cis-DCE	**1.50**	**78**
trans-DCE	0.91 J	ND
VC	**3.3**	**25**
TOTAL	282.91	149

	6-2011	3-2013
PCE	**1,500**	**800**
TCE	**540**	**380**
cis-DCE	**1,700**	**9,400**
trans-DCE	ND	ND
VC	**2.00**	**4,300**
TOTAL	3,940	14,880

	2-2011	3-2013
PCE	**17,000**	ND
TCE	**2,600**	ND
cis-DCE	**2,600**	**18,000**
trans-DCE	ND	ND
VC	**620 J**	**7,900**
TOTAL	22,820	25,900

	9-2011	12-2012
PCE	ND	ND
TCE	ND	ND
cis-DCE	**93**	**9.0**
trans-DCE	ND	ND
VC	**13**	**13**
TOTAL	106	103

	2-2010	12-2012
PCE	ND	ND
TCE	ND	ND
cis-DCE	ND	ND
trans-DCE	ND	ND
VC	ND	ND
TOTAL	ND	ND

	2-2010	12-2012
PCE	ND	ND
TCE	ND	ND
cis-DCE	ND	**5.5**
trans-DCE	ND	ND
VC	**2.7 J**	ND
TOTAL	2.7	5.5

LEGEND:

MW-1 GROUNDWATER MONITORING WELL LOCATION AND ID

SVW-1 SOIL VAPOR MONITORING WELL LOCATION AND ID

BCP SITE BOUNDARY (APPROXIMATE)

TOTAL VOC GROUNDWATER CONCENTRATION CONTOURS (APPROXIMATE BASED ON DECEMBER 2012 AND MARCH 2013 DATA)

- TOTAL VOC GROUNDWATER CONCENTRATION >40,000 ug/L
- TOTAL VOC GROUNDWATER CONCENTRATION >30,000 ug/L
- TOTAL VOC GROUNDWATER CONCENTRATION >20,000 ug/L
- TOTAL VOC GROUNDWATER CONCENTRATION >10,000 ug/L

	DATE OF SAMPLING
ANALYTE	CONCENTRATION (ug/L)

NOTES:
1. DATA TABLES:
   Baseline data is from either the remedial investigation (February 2010), remedial action pilot test baseline event (February 2011), full scale remedial action baseline event (June 2011), or 3rd quarter 2011 event (September 2011).
   Most recent data is from either the 4th quarter 2012 event (December 2012) or the 1st quarter 2013 event (March 2013)
   PCE - Tetrachloroethene
   TCE - Trichloroethene
   cis-DCE - cis-1,2-Dichloroethene
   trans-DCE - trans-1,2-Dichloroethene
   VC - Vinyl Chloride
   TOTAL - Total of PCE, TCE, cis-DCE, trans-DCE, and VC
   ND - Not Detected
   J - Estimated Value
   Bold results indicate an exceedance of applicable groundwater standard
2. REFER TO DATA TABLES IN PERIODIC REVIEW REPORT FOR COMPLETE SUMMARY OF GROUNDWATER SAMPLING RESULTS
3. GROUNDWATER MONITORING WELLS SAMPLED FOR IN-SITU CHEMICAL REDUCTION (ISCR) EFFECTIVENESS MONITORING INCLUDE MW-2, MW-7, MW-8, MW-11, MW-12, MW-13, AND MW-17.
4. GROUNDWATER MONITORING WELLS SAMPLED FOR SITE MONITORING INCLUDE MW-1, MW-10, MW-18, AND MW-19.

0 18 36 54 72'

SCALE 1"=36' AT ORIGINAL SIZE

NOTES:
1. SITE FEATURES BASED ON SITE SURVEY BY IANUZI & ROMANS, P.C. MARCH 2010 AND NOVEMBER 2010.

Syracuse Label Company, Inc.
Periodic Review Report - Jan. 2012 - Jun. 2013
BCP Site #C734118

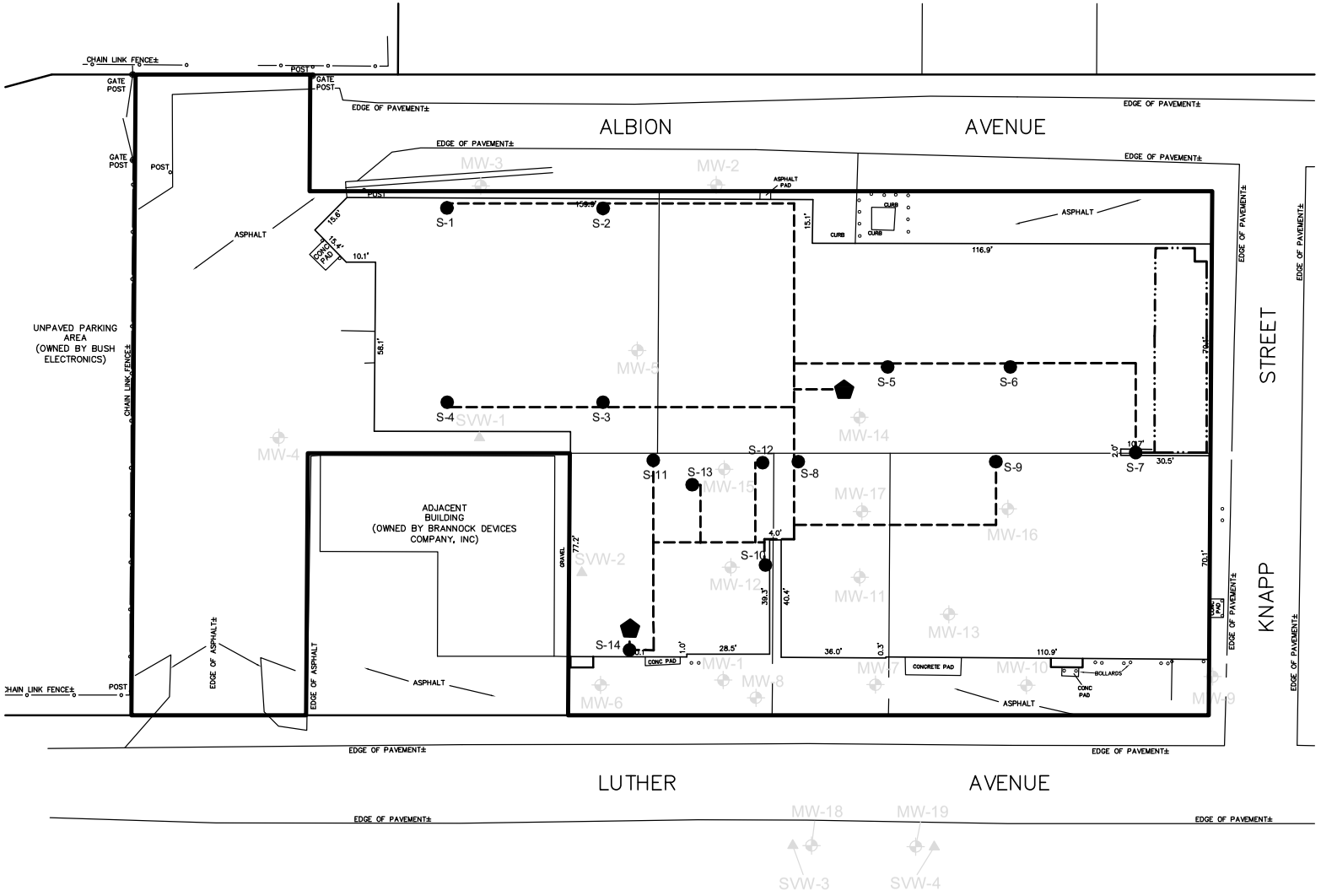
Groundwater Monitoring Results

Job Number 86-14941.06
Revision A
Date June 2013

Figure 3

One Remington Park Drive, Cazenovia NY 13035 USA T 1 315 679 5800 F 1 315 679 5801 E cazmail@ghd.com W www.ghd.com

Plot Date: 2 July 2013 - 3:27 PM Cad File No: G:\86\14941\PRR - Jan 2012 to June 2013\Figures\86-14941.06-L3.cadd.dwg



LEGEND:

- MW-1 GROUNDWATER MONITORING WELL LOCATION AND ID
- SVW-1 SOIL VAPOR MONITORING WELL LOCATION AND ID
- BCP SITE BOUNDARY (APPROXIMATE)
- SSDS SUCTION POINT RISER (APPROXIMATE)
- SSDS FAN LOCATION (APPROXIMATE)
- SSDS SUCTION PIPE RUN (APPROXIMATE)
- SSDS SUB-SLAB PIPING (APPROXIMATE)

0 18 36 54 72'

SCALE 1"=36' AT ORIGINAL SIZE

N

NOTES:
1. SITE FEATURES BASED ON SITE SURVEY BY IANUZI & ROMANS, P.C. MARCH 2010 AND NOVEMBER 2010.

Syracuse Label Company, Inc.
Periodic Review Report - Jan. 2012 - Jun. 2013
BCP Site #C734118

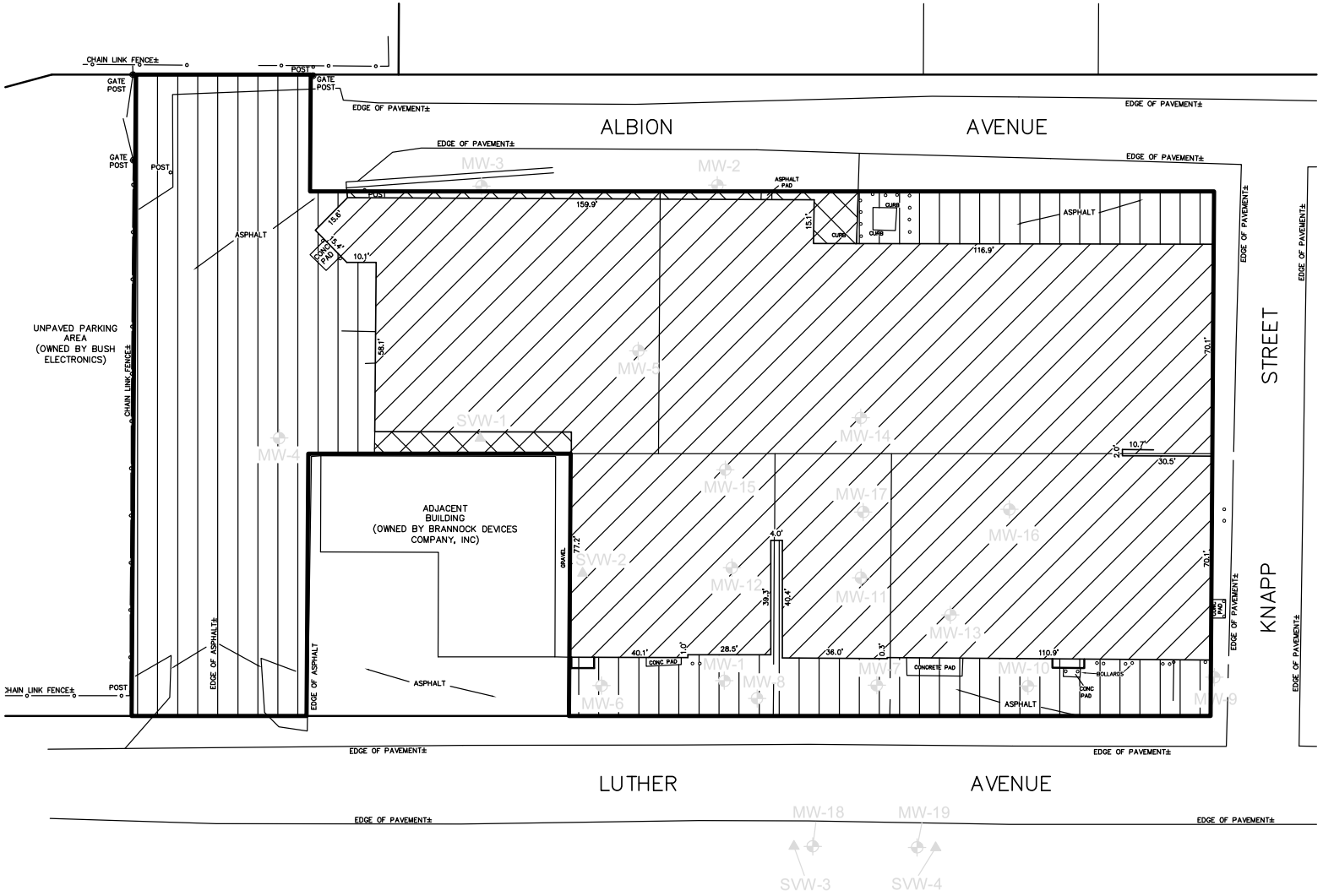
Sub-Slab Depressurization System Layout

Job Number 86-14941.06
Revision A
Date June 2013

Figure 4

One Remington Park Drive, Cazenovia NY 13035 USA T 1 315 679 5800 F 1 315 679 5801 E cazmail@ghd.com W www.ghd.com

Plot Date: 24 June 2013 - 8:20 AM Cad File No: G:\86\14941\PRR - Jan 2012 to June 2013\Figures\86-14941.06-L4.cadd.dwg



LEGEND:

- MW-1 GROUNDWATER MONITORING WELL LOCATION AND ID
- SVW-1 SOIL VAPOR MONITORING WELL LOCATION AND ID
- BCP SITE BOUNDARY (APPROXIMATE)
- EXISTING BUILDING SLAB ACTING AS ENGINEERING CONTROL
- EXISTING ASPHALT PAVEMENT ACTING AND ENGINEERING CONTROL
- EXISTING GRASS AREA ACTING AS ENGINEERING CONTROL

0 18 36 54 72'

SCALE 1"=36' AT ORIGINAL SIZE

NOTES:
1. SITE FEATURES BASED ON SITE SURVEY BY IANUZI & ROMANS, P.C. MARCH 2010 AND NOVEMBER 2010.

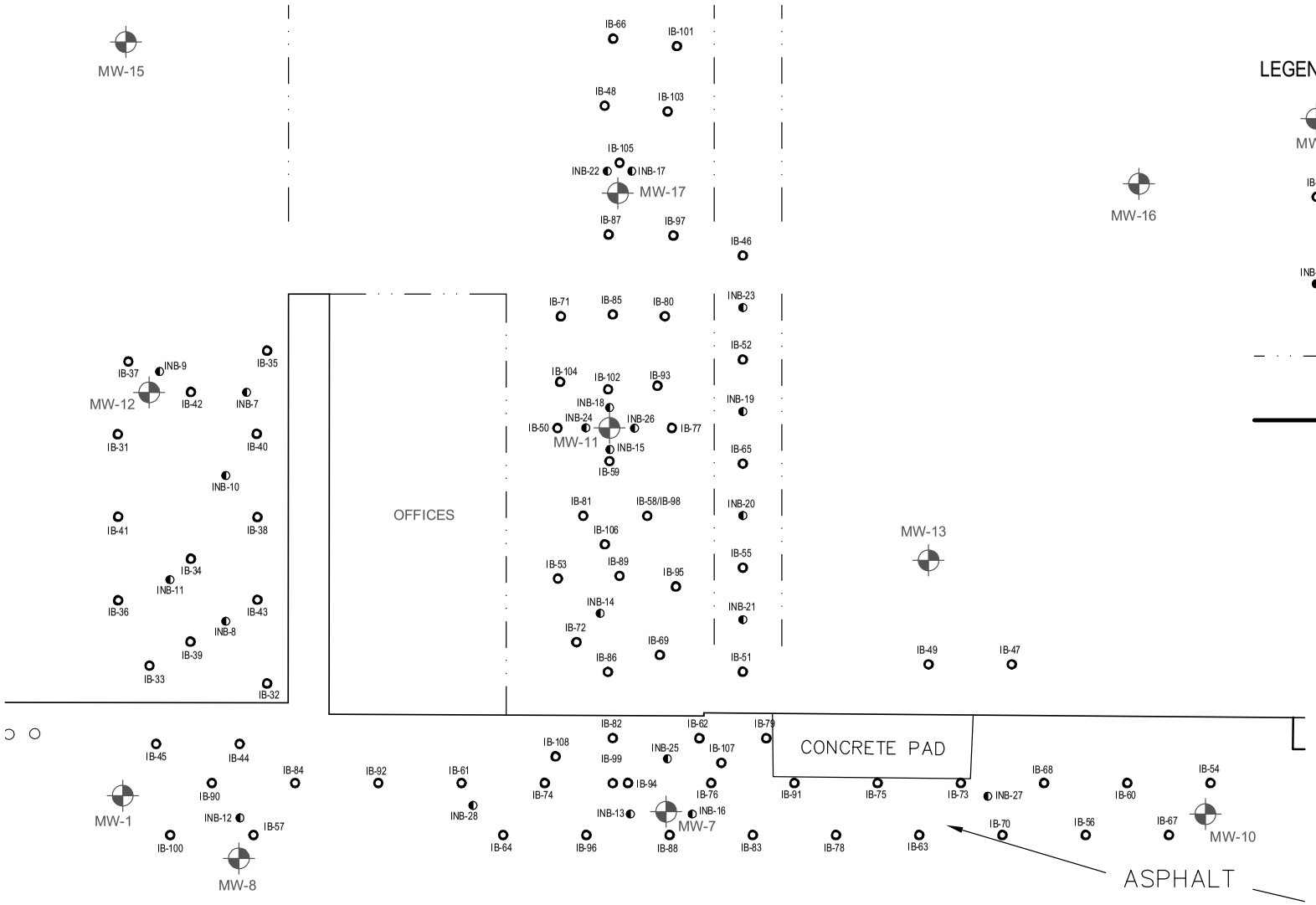
Syracuse Label Company, Inc.
Periodic Review Report - Jan. 2012 - Jun. 2013
BCP Site #C734118
Soil Cover Engineering Controls

Job Number 86-14941.06
Revision A
Date June 2013

Figure 5

One Remington Park Drive, Cazenovia NY 13035 USA T 1 315 679 5800 F 1 315 679 5801 E cazmail@ghd.com W www.ghd.com

Plot Date: 24 June 2013 - 8:22 AM Cad File No: G:\86\14941\PRR - Jan 2012 to June 2013\Figures\86-14941.06-L5.cadd.dwg



0 5 10 15 20'

SCALE 1"=10' AT ORIGINAL SIZE

N

NOTES:
1. ONLY POST CERTIFICATE OF COMPLETION (COC) INJECTION POINTS ARE SHOWN ON THIS FIGURE, IB-1 THROUGH IB-30 AND INB-1 THROUGH INB-6 WERE COMPLETED DURING THE INITIAL REMEDIAL ACTION PRIOR TO THE ISSUANCE OF THE COC.
2. SITE FEATURES BASED ON SITE SURVEY BY IANUZI & ROMANS, P.C. MARCH 2010 AND NOVEMBER 2010.

GHD

Syracuse Label Company, Inc.
Periodic Review Report - Jan. 2012 - Jun. 2013
BCP Site #C734118

Corrective Measures Injection Array

Job Number	86-14941.06
Revision	A
Date	June 2013

Figure 6

One Remington Park Drive, Cazenovia NY 13035 USA T 1 315 679 5800 F 1 315 679 5801 E cazmail@ghd.com W www.ghd.com

Plot Date: 9 July 2013 - 1:24 PM Cad File No: G:\86\14941\PRR - Jan 2012 to June 2013\Figures\86-14941.06-L6.cadd.dwg

Tables

TABLE 1: GROUNDWATER ELEVATION DATA

Monitoring Well I.D.	Date	Reference Point	Reference Elevation (feet)	DTW (feet)	DOW (feet)	Water Elevation (feet)	Volume (gal)
MW-1	9/22/2011	Top of PVC	97.75	2.10	11.11	95.65	0.36
	3/29/2012			2.32	11.11	95.43	0.35
	12/20/2012			2.41	11.11	95.34	0.35
	3/28/2013			2.45	11.11	95.30	0.35
MW-2	6/23/2011	Top of PVC	100.38	3.02	9.90	97.36	0.28
	8/29/2011			2.37	11.17	98.01	0.35
	9/22/2011			2.82	11.17	97.56	0.33
	3/29/2012			3.10	11.90	97.28	0.35
	6/28/2012			3.39	11.90	96.99	0.34
	9/13/2012			3.45	11.90	96.93	0.34
	12/19/2012			3.16	11.90	97.22	0.35
	3/28/2013			3.06	11.90	97.32	0.35
MW-3	12/19/2012	Top of PVC	100.21	2.15	NM	98.06	NM
	3/28/2013			2.22	NM	97.99	NM
MW-4	12/19/2012	Top of PVC	99.22	NM	NM	NM	NM
MW-5	12/19/2012	Top of PVC	99.65	2.28	NM	97.37	NM
	3/28/2013			2.32	NM	97.33	NM
MW-6	12/19/2012	Top of PVC	97.49	NM	NM	NM	NM
MW-7	6/23/2011	Top of PVC	97.28	2.73	15.80	94.55	2.09
	8/30/2011			2.31	15.71	94.97	2.14
	9/22/2011			3.35	15.71	93.93	1.98
	3/29/2012			3.04	15.79	94.24	2.04
	6/28/2012			2.95	15.79	94.33	2.05
	9/13/2012			4.89	15.79	92.39	1.74
	12/21/2012			2.92	15.79	94.36	2.06
	3/28/2013			3.35	16.29	93.93	2.07
MW-8	6/23/2011	Top of PVC	97.38	2.50	17.05	94.88	2.33
	8/30/2011			2.50	17.05	94.88	2.33
	9/22/2011			2.46	17.05	94.92	2.33
	3/30/2012			2.51	17.06	94.87	2.33
	6/28/2012			2.76	17.06	94.62	2.29
	9/13/2012			2.90	17.06	94.48	2.27
	12/21/2012			2.41	17.06	94.97	2.34
	3/28/2013			2.37	17.26	95.01	2.38
MW-9	12/19/2012	Top of PVC	97.14	NM	NM	NM	NM
MW-10	9/22/2011	Top of PVC	97.34	2.60	11.82	94.74	1.48
	3/29/2012			2.64	11.82	94.70	1.47
	12/21/2012			2.63	11.82	94.71	1.47
	3/28/2013			2.49	11.82	94.85	1.49

DTW - Depth to water
DOW - Depth of well
NM - Not measured

110 LUTHER AVENUE BCP SITE (BCP SITE #C734118)
PERIODIC REVIEW REPORT
TABLE 1: GROUNDWATER ELEVATION DATA

Monitoring Well I.D.	Date	Reference Point	Reference Elevation (feet)	DTW (feet)	DOW (feet)	Water Elevation (feet)	Volume (gal)
MW-11	6/23/2011	Top of PVC	97.89	2.51	14.30	95.38	0.47
	8/29/2011			2.48	14.34	95.41	0.47
	9/22/2011			4.22	14.34	93.67	0.40
	3/29/2012			2.43	14.35	95.46	0.48
	6/28/2012			2.81	14.35	95.08	0.46
	9/13/2012			3.28	14.35	94.61	0.44
	12/19/2012			2.67	14.35	95.22	0.47
	3/28/2013			2.23	14.35	95.66	0.48
MW-12	6/23/2011	Top of PVC	98.02	2.27	15.60	95.75	0.53
	8/29/2011			2.12	15.60	95.90	0.54
	9/22/2011			2.32	15.60	95.70	0.53
	3/29/2012			2.16	15.61	95.86	0.54
	6/28/2012			2.05	15.61	95.97	0.54
	9/13/2012			3.08	15.61	94.94	0.50
	12/19/2012			2.25	15.60	95.77	0.53
	3/28/2013			2.00	15.60	96.02	0.54
MW-13	6/23/2011	Top of PVC	97.98	2.70	12.30	95.28	0.38
	8/29/2011			2.62	12.36	95.36	0.39
	9/22/2011			4.41	12.36	93.57	0.32
	3/29/2012			2.59	12.41	95.39	0.39
	6/28/2012			2.93	12.41	95.05	0.38
	9/13/2012			3.36	12.41	94.62	0.36
	12/19/2012			2.85	12.41	95.13	0.38
	3/28/2013			2.42	12.41	95.56	0.40
MW-14	12/19/2012	Top of PVC	100.40	3.89	NM	96.51	NM
	3/28/2013			3.55	NM	96.85	NM
MW-15	12/19/2012	Top of PVC	98.13	1.62	11.91	96.51	0.41
	3/28/2013			1.38	11.91	96.75	0.42
MW-16	12/19/2012	Top of PVC	97.80	2.27	12.11	95.53	0.39
	3/28/2013			1.80	12.11	96.00	0.41
MW-17	6/23/2011	Top of PVC	97.89	2.05	13.00	95.84	1.75
	8/29/2011			1.95	12.60	95.94	1.70
	9/22/2011			3.72	12.60	94.17	1.42
	3/29/2012			1.95	12.52	95.94	1.69
	6/28/2012			2.33	12.52	95.56	1.63
	9/13/2012			2.86	12.52	95.03	1.55
	12/19/2012			2.15	12.52	95.74	1.66
	3/28/2013			1.73	12.52	96.16	1.73
MW-18	9/22/2011	Top of PVC	96.86	4.19	12.61	92.67	1.35
	3/29/2012			2.44	12.61	94.42	1.63
	12/20/2012			2.36	12.58	94.50	1.64
MW-19	9/22/2011	Top of PVC	97.14	4.26	13.11	92.88	1.42
	3/29/2012			2.52	13.11	94.62	1.69
	12/20/2012			2.35	13.10	94.79	1.72

DTW - Depth to water
DOW - Depth of well
NM - Not measured

110 LUTHER AVENUE BCP SITE (BCP SITE #C734118)
PERIODIC REVIEW REPORT
TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Analyte	GW Std^ (ug/L)	MW-1													
		Feb-10		Sep-11			Mar-12					Dec-12				
VOCs by EPA Method 8260B			D.L.		D.L.			D.L.	R.L.	D.F.			D.L.	R.L.	D.F.
Tetrachloroethene	5	**60**		**72**			**45**	0.36	1	1		**25**	0.36	1	1
Trichloroethene	5	**39**		**34**			**19**	1.6	1	1		**21**	0.46	1	1
cis-1,2-dichloroethene	5	**150**		**110**			**100**	0.46	2	2		**78**	0.81	1	1
trans-1,2-dichloroethene	5	0.91 J		U	0.76		U	0.90	1	1		U	0.90	1	1
Vinyl chloride	2	**33**		**12**			**29**	0.90	1	1		**25**	0.90	1	1
EPA Method RSK-175															
Ethane		NS		U	4		3	0.49	1.5	1		U	0.49	7.5	1
Ethylene		NS		U	3		1.3 J	0.52	1.5	1		U	0.52	7	1
Methane		NS		290			1,700	22	100	100		270	2.2	40	10
EPA Method 6010B (total)															
Calcium		229,000		928,000			334,000 B	100	500	1		110,000	100	500	1
Iron	300	**5,140**		**186,000**			**41,100**	19	50	1		**8,300**	19	50	1
Magnesium	35,000	**64,200**		**296,000**			**94,900**	43	200	1		25,400	43	200	1
Manganese	300	**4,820**		**7,180**			**4,100 B**	0.4	3	1		**2,000**	0.4	3	1
EPA Method 6010B (dissolved)															
Iron	300	NS		NS			NS					NS			
EPA Method 300															
Nitrate as N	10,000	NS		U	33		U	11	50	1		39 J	11	50	1
Sulfate	250,000	NS		48,700.0			25,200	1,700	10,000	5		22,300	700	4,000	2
Chloride	250,000	NS		**1,270,000**			**972,000**	5,600	10,000	20		**521,000**	5,600	10,000	20
EPA Method SM5310C															
Dissolved Organic Carbon - Quad		NS		U	230		5,000	430	1,000	1		5,700	430	1,000	1
Total Organic Carbon - Quad		NS		U	230		5,200	430	1,000	1		3,500	430	1,000	1
EPA Method 2320B															
Alkalinity		NS		353,000 B			327,000	790	5,000	1		380,000	790	5,000	1
EPA Method SM2340B															
Hardness as Calcium Carbonate		NS		3,540,000			1,220,000	100	500	1		379,000	100	500	1
EPA Method SM5210B															
Biochemical Oxygen Demand		NS		U	650		U	2,000	2,000	1		4,800	2,000	2,000	1

NOTES:
All values reported as µg/L (parts per billion)
Bold and heavy outlined cells indicate and exceedance of applicable groundwater standard or guidance value
U – Analyzed for but not detected above laboratory detection limits
J – Indicates an estimated value
H – Sample was prepped or analyzed beyond the specified holding time
B – Analyte detected in the associated laboratory blank
b – Result detected in the USB
NS – Not sampled
NA – Not analyzed for
D.L. – Laboratory detection limit
R.L. – Laboratory reporting limit
D.F. – Laboratory dilution factor
* - Reported as 1,2-Dichloroethene, Total is previous laboratory reports
Feb-11, Mar-11, and Apr-11 data represents pilot test baseline, 1st post-pilot test sampling event, and 2nd post-pilot test sampling event, respectively
Jun-11, Aug-11, and Sep-11 data represents full scale ISCR injection baseline, 1st post-ISCR sampling event, and 2nd post-ISCR sampling event, respectively
^ - GW Std – Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

110 LUTHER AVENUE BCP SITE (BCP SITE #C734118)
PERIODIC REVIEW REPORT
TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Analyte	GW Std^ (ug/L)	MW-2																			
		Dec-07		D.L.	Feb-10		D.L.	Jun-11		D.L.	Aug-11		D.L.	Sep-11		D.L.	Mar-12		D.L.	R.L.
VOCs by EPA Method 8260B																				
Tetrachloroethene	5		U	1	**22**			U	0.81		R	0.81		R	0.81		U	0.36	1
Trichloroethene	5	NS			1.2	J		U	0.62		R	0.62		R	0.62		U	0.46	1
cis-1,2-dichloroethene	5	NS				U	0.99	U	0.99		R	0.99		R	0.99		U	0.81	1
trans-1,2-dichloroethene	5	NS				U	0.76	U	0.76		R	0.76		R	0.76		U	0.90	1
Vinyl chloride	2	NS				U	0.99	U	0.99		R	0.99		R	0.99		U	0.90	1
EPA Method RSK-175																				
Ethane		NS			NS			U	4		U	4		U	4	5.9		0.49	1.5
Ethylene		NS			NS			U	3		U	3		U	3	12		0.52	1.5
Methane		NS			NS			U	2	9.3			14			89		0.22	1
EPA Method 6010B (total)																				
Calcium		NS			NS			279,000			999,000			310,000			939,000	B	100	500
Iron	300	NS			NS			**18,500**			**138,000**			**27,100**	**B**		**25,400**		19	50
Magnesium	35,000	NS			NS			**80,700**			**309,000**			**87,300**			**76,300**		43	200
Manganese	300	NS			NS			**1,370**			**5,090**			**1,110**			**5,000**	**B**	0.4	3
EPA Method 6010B (dissolved)																				
Iron	300	NS			NS			NS			NS			NS			NS			
EPA Method 300																				
Nitrate as N	10,000	NS			NS			U	33		120			54	J			U	11	50
Sulfate	250,000	NS			NS			76,600			43,100			57,300			70,000		1,700	10,000
Chloride	250,000	NS			NS			**1,440,000**			**793,000**			**972,000**			**1,140,000**		5,600	10,000
EPA Method SM5310C																				
Dissolved Organic Carbon - Quad		NS			NS			U	230		U	230			U	230	3,400		430	1,000
Total Organic Carbon - Quad		NS			NS			U	230		U	230		167,000			4,700		430	1,000
EPA Method 2320B																				
Alkalinity		NS			NS			401,000			334,000	B		365,000			413,000		790	5,000
EPA Method SM2340B																				
Hardness as Calcium Carbonate		NS			NS			1,030,000			3,760,000			1,130,000			2,660,000		100	500
EPA Method SM5210B																				
Biochemical Oxygen Demand		NS			NS			13,200			1,300	J		174,000			3,500		2,000	2,000

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b – Result detected in the USB
NS – Not sampled
NA – Not analyzed for
D.L. – Laboratory detection limit
R.L. – Laboratory reporting limit
D.F. – Laboratory dilution factor
* - Reported as 1,2-Dichloroethene, Total is previous laboratory reports
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^ - GW Std – Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

110 LUTHER AVENUE BCP SITE (BCP SITE #C734118)
PERIODIC REVIEW REPORT
TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Analyte	GW Std^ (ug/L)	MW-2															
		Jun-12				Sep-12				Dec-12				Mar-13			
VOCs by EPA Method 8260B				D.L.	R.L.		D.L.	R.L.			D.L.	R.L.			D.L.	R.L.	
Tetrachloroethene	5	U	0.36	1		U	0.36	1		U	0.36	1		U	0.36	1	
Trichloroethene	5	U	0.46	1		U	0.46	1		U	0.46	1		U	0.46	1	
cis-1,2-dichloroethene	5	U	0.81	1		U	0.81	1		U	0.81	1		U	0.81	1	
trans-1,2-dichloroethene	5	U	0.90	1		U	0.90	1		U	0.90	1		U	0.90	1	
Vinyl chloride	2	U	0.90	1		U	0.90	1		U	0.90	1		U	0.90	1	
EPA Method RSK-175																	
Ethane		U	0.93	7.2		U	0.49	7.5	1.7	J	0.49	7.5	7.6		0.49	7.5	
Ethylene		U	1.2	6.7		U	0.52	7		U	0.52	7		U	0.52	7	
Methane	63		1.3	3.9	40		0.22	4	41		0.22	4	52		0.22	4	
EPA Method 6010B (total)																	
Calcium		883,000		100	500	884,000		100	500	693,000		100	500	NA			
Iron	300	**70,300**		19	50	**86,800**		19	50	**46,700**		19	50	**65,800**		19	50
Magnesium	35,000	**136,000**		43	200	**134,000**		43	200	**86,100**		43	200	NA			
Manganese	300	**5,000**		0.4	3	**5,300**		0.4	3	**3,500**		0.4	3	NA			
EPA Method 6010B (dissolved)																	
Iron	300	NS				NS				NS				**1,500**		19	50
EPA Method 300																	
Nitrate as N	10,000	U	11	50		U	11	50	27	J	11	50	43	JH	20	50	
Sulfate	250,000	76,400		3,500	20,000	51,000		7,000	40,000	65,300		7,000	40,000	79,000		7,000	40,000
Chloride	250,000	**1,200,000**		5,600	10,000	**1,250,000**		5,600	10,000	**936,000**		5,600	10,000	**1,260,000**		5,600	10,000
EPA Method SM5310C																	
Dissolved Organic Carbon - Quad		3,200		430	1,000	3,200		430	1,000	3,800		430	1,000	3,100		430	1,000
Total Organic Carbon - Quad		3,400		430	1,000	3,300		430	1,000	2,400		430	1,000	4,500		430	1,000
EPA Method 2320B																	
Alkalinity		408,000		790	5,000	396,000		790	5,000	388,000		790	5,000	458,000		790	5,000
EPA Method SM2340B																	
Hardness as Calcium Carbonate		2,760,000		100	500	2,760,000		100	500	2,080,000		100	500	2,430,000		100	500
EPA Method SM5210B																	
Biochemical Oxygen Demand		3,200		2,000	2,000	UH		2,000	2,000	U		2,000	2,000	NS			

NOTES:
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110 LUTHER AVENUE BCP SITE (BCP SITE #C734118)
PERIODIC REVIEW REPORT
TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Analyte	GW Std^ (ug/L)	MW-7															
		Jan-08		Feb-10		Feb-11		Mar-11		Apr-11		Jun-11		Aug-11		Sep-11	
VOCs by EPA Method 8260B			D.L.		D.L.		D.L.		D.L.		D.L.		D.L.		D.L.		D.L.
Tetrachloroethene	5	**14,000**		**27,000**		**17,000**		**6,900**		**370 J**		**1,600**		**240 J**		**240 J**	
Trichloroethene	5	**1,700**		**4,300**		**2,600**		**3,600**		**150 J**		**3,300**		**520 J**		**380**	
cis-1,2-dichloroethene	5	**2,600** *		**2,600**		**2,600**		**14,000**		**17,000**		**19,000**		**24,000**		**7,400**	
trans-1,2-dichloroethene	5	U	200	U	150	U	150	U	76	U	150	U	190	U	190	U	38
Vinyl chloride	2	**560**		**260 J**		**620 J**		**460 J**		**690 J**		**1,100 J**		**8,500**		**4,300**	
EPA Method RSK-175																	
Ethane		NS		NS		4.7		8		4		5		U	8	U	20
Ethylene		NS		NS		9.9		19		11		48		290		330	
Methane		NS		NS		240		350		160		230		390		720	
EPA Method 6010B (total)																	
Calcium		NS		181,000		176,000		313,000		253,000		212,000		274,000		357,000	
Iron	300	NS		**2,800**		**3,270**		**48,300**		**19,700**		**7,370**		**54,200**		**62,300 B**	
Magnesium	35,000	NS		**56,200**		**53,200**		**89,400**		**65,000**		**59,500**		**67,200**		**95,000**	
Manganese	300	NS		150		**314**		**2,270**		**1,130**		**649**		**2,010**		**1,430**	
EPA Method 6010B (dissolved)																	
Iron	300	NS		NS		NS		NS		NS		NS		NS		NS	
EPA Method 300																	
Nitrate as N	10,000	NS		NS		U	33	U	33	U	33	U	33	U	33	U	33
Sulfate	250,000	NS		NS		106,000		88,900		55,100		43,600.0		17,500		30,200	
Chloride	250,000	NS		NS		**325,000**		**280,000**		**277,000**		**268,000**		214,000		**340,000**	
EPA Method SM5310C																	
Dissolved Organic Carbon - Quad		NS		NS		U	230	280,000		NR		115,000		303,000		457,000	
Total Organic Carbon - Quad		NS		NS		U	230	282,000		207,000		123,000		305,000		520,000	
EPA Method 2320B																	
Alkalinity		NS		NS		326,000		521,000		506,000		468,000		594,000	B	725,000	B
EPA Method SM2340B																	
Hardness as Calcium Carbonate		NS		NS		659,000		1,150,000		900,000		773,000		961,000		1,280,000	
EPA Method SM5210B																	
Biochemical Oxygen Demand		NS		NS		U	650	464,000		>228,300		>241,200		783,000		786,000	

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TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Analyte	GW Std^ (ug/L)	MW-7																							
		Mar-12					Jun-12				Sep-12				Dec-12				Mar-13						
VOCs by EPA Method 8260B				D.L.	R.L.	D.F.			D.L.	R.L.	D.F.			D.L.	R.L.	D.F.			D.L.	R.L.	D.F.			D.L.	R.L.	D.F.
Tetrachloroethene	5	**34**		0.36	1	1		U	72	200	200		U	140	400	400		U	140	400	400		U	140	400	400
Trichloroethene	5	**170**	J	92	200	200	**140**	J	92	200	200		U	180	400	400		U	180	400	400		U	180	400	400
cis-1,2-dichloroethene	5	**11,000**		160	200	200	**26,000**		320	400	400	**27,000**		320	400	400	**16,000**		320	400	400	**18,000**		320	400	400
trans-1,2-dichloroethene	5	**36**		0.9	1	1		U	180	200	200		U	360	400	400		U	360	400	400		U	360	400	400
Vinyl chloride	2	**4,300**		180	200	200	**8,400**		180	200	200	**8,900**		360	400	400	**8,100**		360	400	400	**7,900**		360	400	400
EPA Method RSK-175																									
Ethane		120	J	49	150	100		U	47	360	50		U	25	380	50	430		25	380	50	540		25	380	50
Ethylene		280		52	150	100	860		60	340	50	1,800		26	350	50	2,000		26	350	50	1,700		26	350	50
Methane		750		22	150	100	600		66	190	50	3,300		11	200	50	5,300		11	200	50	6,000		11	200	50
EPA Method 6010B (total)																									
Calcium		200,000	B	100	500	1	303,000		100	500	1	649,000		100	500	1	469,000	B	100	500	1	NA				
Iron	300	**5,300**		19	50	1	**23,800**		19	50	1	**179,000**		19	50	1	**73,300**	**B**	19	50	1	**58,300**		19	50	1
Magnesium	35,000	**62,600**		43	200	1	**93,700**		43	200	1	**136,000**		43	200	1	**138,000**	**B**	43	200	1	NA				
Manganese	300	220	B	0.4	3	1	**430**		0.4	3	1	**1,800**		0.4	3	1	**1,000**	**B**	0.4	3	1	NA				
EPA Method 6010B (dissolved)																									
Iron	300	NS					NS					NS					NS					**17,500**		19	50	1
EPA Method 300																									
Nitrate as N	10,000		U	11	50	1		U	11	50	1		U	11	50	1	52		11	50	1	23	J	20	50	1
Sulfate	250,000	47,000		350	2,000	1	12,300		350	2,000	1		U	350	2,000	1	3,500		350	2,000	1	7,400		350	2,000	1
Chloride	250,000	**260,000**		1,400	2,500	5	**315,000**		1,400	2,500	5	**363,000**		1,400	2,500	5	**424,000**		1,400	2,500	5	**356,000**		1,400	2,500	5
EPA Method SM5310C																									
Dissolved Organic Carbon - Quad		18,500		430	1,000	1	308,000		17,400	40,000	40	1,250,000		17,400	40,000	40	334,000		4,300	10,000	10	123,000		4,300	10,000	10
Total Organic Carbon - Quad		19,400		430	1,000	1	287,000		17,400	40,000	40	1,210,000		17,400	40,000	40	351,000		4,300	10,000	10	126,000		4,300	10,000	10
EPA Method 2320B																									
Alkalinity		400,000		790	5,000	1	717,000	B	790	5,000	1	1,510,000		790	5,000	1	1,020,000		790	5,000	1	579,000		790	5,000	1
EPA Method SM2340B																									
Hardness as Calcium Carbonate		757,000		100	500	1	1,140,000		100	500	1	2,180,000		100	500	1	1,740,000		100	500	1	1,440,000		100	500	1
EPA Method SM5210B																									
Biochemical Oxygen Demand		27,400	b	2,000	2,000	1	698,000	H	20,000	20,000	10	2,960,000		8,000	8,000	4	470,000		2,000	2,000	1	NS				

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Analyte	GW Std^ (ug/L)	MW-8																					
		Jan-08		D.L.	Feb-10		D.L.	Jun-11		D.L.	Aug-11		D.L.	Sep-11		D.L.	Mar-12		D.L.	R.L.	D.F.
VOCs by EPA Method 8260B																							
Tetrachloroethene	5	**6,200**			**3,900**			**1,500**			**380**	**J**		**1,100**	**J**		**82**		0.36	1	1
Trichloroethene	5	**920**			**860**			**540**			**140**	**J**		**420**	**J**		**22**		0.46	1	1
cis-1,2-dichloroethene	5	**1,600**	*		**2,500**			**1,700**			**5,100**			**7,900**			**140**		3.2	4	4
trans-1,2-dichloroethene	5		U	200		U	15		U	19	**100**	**J**		**83**	**J**		1.1		0.90	1	1
Vinyl chloride	2	**290**			**250**			**200**			**4,000**			**2,800**			**66**		0.90	1	1
EPA Method RSK-175																							
Ethane		NS			NS			15			20			30			74		0.49	1.5	1
Ethylene		NS			NS			14			290			710				U	52	150	100
Methane		NS			NS			670			930			1,200			930		22	100	100
EPA Method 6010B (total)																							
Calcium		NS			NS			202,000			263,000			284,000			284,000	B	100	500	1
Iron	300	NS			NS			**5,660**			**33,000**			**43,900**			**23,500**		19	50	1
Magnesium	35,000	NS			NS			**62,500**			**76,400**			**82,000**			**101,000**		43	200	1
Manganese	300	NS			NS			**1,990**			**3,870**			**3,730**			**710**	**B**	0.4	3	1
EPA Method 6010B (dissolved)																							
Iron	300	NS			NS			NS			NS			NS			NS					
EPA Method 300																							
Nitrate as N	10,000	NS			NS				U	33		U	33		U	33		U	11	50	1
Sulfate	250,000	NS			NS			81,100			4,500			3,500			44,600		1,700	10,000	5
Chloride	250,000	NS			NS			**431,000**			**482,000**			**474,000**			**538,000**		2,800	5,000	10
EPA Method SM5310C																							
Dissolved Organic Carbon - Quad		NS			NS				U	230	155,000			200,000			2,400		430	1,000	1
Total Organic Carbon - Quad		NS			NS				U	230	173,000			168,000			2,400		430	1,000	1
EPA Method 2320B																							
Alkalinity		NS			NS			385,000			633,000	B		643,000	B		420,000		790	5,000	1
EPA Method SM2340B																							
Hardness as Calcium Carbonate		NS			NS			761,000			971,000			1,050,000			1,120,000		100	500	1
EPA Method SM5210B																							
Biochemical Oxygen Demand		NS			NS			2,600			483,000			216,000				U	2,000	2,000	1

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PERIODIC REVIEW REPORT
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Analyte	GW Std^ (ug/L)	MW-8																			
		Jun-12					Sep-12					Dec-12					Mar-13				
VOCs by EPA Method 8260B				D.L.	R.L.	D.F.			D.L.	R.L.	D.F.			D.L.	R.L.	D.F.			D.L.	R.L.	D.F.
Tetrachloroethene	5	**1,000**		72	200	200	**9,500**		72	200	200	**1,800**		36	100	100	**800**		72	200	200
Trichloroethene	5	**460**		92	200	200	**1,900**		92	200	200	**470**		46	100	100	**380**		92	200	200
cis-1,2-dichloroethene	5	**4,000**		160	200	200	**8,000**		160	200	200	**6,600**		81	100	100	**9,400**		160	200	200
trans-1,2-dichloroethene	5	**21**		3.6	4	4	**34**		0.90	1	1		U	90	100	100		U	180	200	200
Vinyl chloride	2	**1,300**		180	200	200	**2,100**		180	200	200	**2,700**		90	100	100	**4,300**		180	200	200
EPA Method RSK-175																					
Ethane			U	47	360	50		U	25	380	50	160	J	25	380	50	63	J	25	380	50
Ethylene		270	J	60	340	50		U	26	350	50	350		26	350	50	550		26	350	50
Methane		6,800		66	190	50	3,300		11	200	50	6,100		11	200	50	1,900		11	200	50
EPA Method 6010B (total)																					
Calcium		209,000		100	500	1	231,000		100	500	1	177,000	B	100	500	1	NA				
Iron	300	**10,800**		19	50	1	**15,500**		19	50	1	**8,100**	**B**	19	50	1	**269,000**		19	50	1
Magnesium	35,000	**72,100**		43	200	1	**78,800**		43	200	1	**57,600**	**B**	0.43	200	1	NA				
Manganese	300	**2,000**		0.4	3	1	**1,600**		0.4	3	1	**1,800**	**B**	0.4	3	1	NA				
EPA Method 6010B (dissolved)																					
Iron	300	NS					NS					NS					**183,000**		19	50	1
EPA Method 300																					
Nitrate as N	10,000		U	11	50	1	36	J	11	50	1	39	J	11	50	1		U	20	50	1
Sulfate	250,000	49,600		700	4,000	2	71,000		3,500	20,000	10	60,100		3,500	20,000	10	15,600		1,700	10,000	5
Chloride	250,000	**414,000**		2,800	5,000	10	**406,000**		2,800	5,000	10	**370,000**		2,800	5,000	10	**483,000**		2,800	5,000	10
EPA Method SM5310C																					
Dissolved Organic Carbon - Quad		3,700		430	1,000	1	4,500		430	1,000	1	4,000		430	1,000	1	1,880,000		43,400	100,000	100
Total Organic Carbon - Quad		2,800		430	1,000	1		U	430	1,000	1	3,100		430	1,000	1	2,130,000		43,400	100,000	100
EPA Method 2320B																					
Alkalinity		466,000	B	790	5,000	1	420,000		790	5,000	1	392,000		790	5,000	1	2,130,000		790	5,000	1
EPA Method SM2340B																					
Hardness as Calcium Carbonate		818,000		100	500	1	902,000		100	500	1	678,000		100	500	1	2,110,000		100	500	1
EPA Method SM5210B																					
Biochemical Oxygen Demand			U	2,000	2,000	1	6,500		2,000	2,000	1		U	2,000	2,000	1	NS				

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110 LUTHER AVENUE BCP SITE (BCP SITE #C734118)
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Analyte	GW Std^ (ug/L)	MW-10											
		Feb-10		Sep-11			Mar-12				Dec-12		
			D.L.			D.L.			D.L.	R.L.		D.L.	R.L.
VOCs by EPA Method 8260B													
Tetrachloroethene	5	NS		U		0.81	U		0.36	1	U	0.36	1
Trichloroethene	5	NS		U		0.62	U		0.46	1	U	0.46	1
cis-1,2-dichloroethene	5	NS		**93**			**56**		0.81	1	**90**	0.81	1
trans-1,2-dichloroethene	5	NS		U		0.76	U		0.90	1	U	0.90	1
Vinyl chloride	2	NS		**13**			**13**		0.90	1	**13**	0.90	1
EPA Method RSK-175													
Ethane		NS		U		4	U		0.49	1.5	U	0.49	7.5
Ethylene		NS		U		3	U		0.52	1.5	U	0.52	7
Methane		NS		9.4			20		0.22	1	19	0.22	4
EPA Method 6010B (total)													
Calcium		141,000		595,000			173,000	B	100	500	178,000	100	500
Iron	300	**1,570**		**71,000**			**8,500**		19	50	**17,600**	19	50
Magnesium	35,000	**47,300**		**230,000**			**61,000**		43	200	**60,500**	43	200
Manganese	300	140		**3,550**			**350**	**B**	0.4	3	**370**	0.4	3
EPA Method 6010B (dissolved)													
Iron	300	NS		NS			NS				NS		
EPA Method 300													
Nitrate as N	10,000	NS		U		33	U		11	50	32 J	11	50
Sulfate	250,000	NS		24,800.0			26,400		350	2,000	20,400	1,700	10,000
Chloride	250,000	NS		221,000			180,000		1,400	2,500	187,000	1,400	2,500
EPA Method SM5310C													
Dissolved Organic Carbon - Quad		NS		U		230	1,600		430	1,000	2,800	430	1,000
Total Organic Carbon - Quad		NS		U		230		U	430	1000	880 J	430	1,000
EPA Method 2320B													
Alkalinity		NS		359,000	B		327		790	5,000	304,000	790	5,000
EPA Method SM2340B													
Hardness as Calcium Carbonate		NS		2,430,000			684,000		100	500	694,000	100	500
EPA Method SM5210B													
Biochemical Oxygen Demand		NS		U		650	U		2,000	2,000	U	2,000	2,000

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110 LUTHER AVENUE BCP SITE (BCP SITE #C734118)
PERIODIC REVIEW REPORT
TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Analyte	GW Std^ (ug/L)	MW-11																	
		Mar-08		Feb-10		Feb-11		Mar-11		Apr-11		Jun-11		Aug-11		Sep-11			
VOCs by EPA Method 8260B			D.L.		D.L.		D.L.		D.L.		D.L.		D.L.		D.L.		D.L.		D.L.
Tetrachloroethene	5	**14,000**		**20,000**		**42,000**		**4,200**		**2,200 J**		U	810	U	410	**370 J**			
Trichloroethene	5	**2,400**		**6,100**		**6,300**		**1,100**		U	310	U	620	**390 J**		**480 J**			
cis-1,2-dichloroethene	5	NS		**4,400**		**3,800**		**39,000**		**77,000**		**58,000**		**49,000**		**45,000**			
trans-1,2-dichloroethene	5	U	1,000	U	76	U	380	U	150	U	380	U	760	U	380	U	300		
Vinyl chloride	2	U	1,000	**270 J**		U	500	U	200	U	500	U	990	**1,100 J**		**680 J**			
EPA Method RSK-175																			
Ethane		NS		NS		U	4	U	4	U	4	36		100		100			
Ethylene		NS		NS		5.2		U	3	U	3	53		58		66			
Methane		NS		NS		46		4.8		8.7		270		170		130			
EPA Method 6010B (total)																			
Calcium		NS		170,000		189,000		361,000		515,000		930,000		1,230,000		1,240,000			
Iron	300	NS		**34,900**		**37,300**		**298,000**		**459,000**		**470,000**		**1,070,000**		**1,100,000**			
Magnesium	35,000	NS		**50,800**		**55,700**		**82,300**		**111,000**		**140,000**		**178,000**		**178,000**			
Manganese	300	NS		233		**359**		**2,270**		**2,510**		**3,830**		**7,300**		**7,900**			
EPA Method 6010B (dissolved)																			
Iron	300	NS		NS		NS		NS		NS		NS		NS		NS			
EPA Method 300																			
Nitrate as N	10,000	NS		NS		U	33	U	33	33	J	U	33	U	170	U	33		
Sulfate	250,000	NS		NS		107,000		40,100		100,000		106,000		124,000		176,000			
Chloride	250,000	NS		NS		**300,000**		**404,000**		**529,000**		**541,000**		**256,000**		241,000			
EPA Method SM5310C																			
Dissolved Organic Carbon - Quad		NS		NS		U	230	1,290,000		NR		2,350,000		3,570,000		5,190,000			
Total Organic Carbon - Quad		NS		NS		U	230	1,310,000		2,280,000		2,720,000		4,620,000		4,430,000			
EPA Method 2320B																			
Alkalinity		NS		NS		281,000		837,000		1,700,000		2,070,000		3,170,000		3,310,000			
EPA Method SM2340B																			
Hardness as Calcium Carbonate		NS		NS		701,000		1,240,000		1,740,000		14,500,000		3,800,000		3,820,000			
EPA Method SM5210B																			
Biochemical Oxygen Demand		NS		NS		U	650	>2,367,000		337,000		>2,412,000		>4,566,000		6,830,000			

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TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Analyte	GW Std^ (ug/L)	MW-11																							
		Mar-12				Jun-12				Sep-12				Dec-12				Mar-13							
VOCs by EPA Method 8260B			D.L.	R.L.	D.F.		D.L.	R.L.	D.F.		D.L.	R.L.	D.F.		D.L.	R.L.	D.F.		D.L.	R.L.	D.F.		D.L.	R.L.	D.F.
Tetrachloroethene	5	**58**	3.6	10	10	U	14	40	40	U	290	800	800	U	290	800	800	U	290	800	800				
Trichloroethene	5	**40**	4.6	10	10	U	18	40	40	U	370	800	800	U	370	800	800	U	370	800	800				
cis-1,2-dichloroethene	5	**53,000**	650	800	800	**47,000**	1,600	2,000	2,000	**59,000**	650	800	800	**45,000**	650	800	800	**37,000**	650	800	800				
trans-1,2-dichloroethene	5	**16**	9.0	10	10	U	36	40	40	U	720	800	800	U	720	800	800	U	720	800	800				
Vinyl chloride	2	**2,700**	720	800	800	**3,500**	36	40	40	**4,300**	720	800	800	**4,200**	720	800	800	**4,900**	720	800	800				
EPA Method RSK-175																									
Ethane		9.1	0.49	1.5	1	1,800	47	360	50	1,100	25	380	50	1,800	49	750	100	1,400	49	750	100				
Ethylene		9.4	0.52	1.5	1	2,100	60	340	50	1,500	26	350	50	3,300	52	700	100	3,400	52	700	100				
Methane		14	0.22	1	1	4,900	66	190	50	3,700	11	200	50	7,300	22	400	100	7,500	22	400	100				
EPA Method 6010B (total)																									
Calcium		1,390,000 B	500	2,500	5	1,450,000	500	2,500	5	1,590,000	500	2,500	5	1,240,000	1,000	5,000	10	NA							
Iron	300	**1,280,000**	97	250	5	**1,270,000**	97	250	5	**1,120,000**	97	250	5	**687,000**	19	50	1	**615,000**	19	50	1				
Magnesium	35,000	**169,000**	43	200	1	**184,000**	43	200	1	**210,000**	43	200	1	**155,000**	43	200	1	NA							
Manganese	300	**6,600 B**	0.4	3	1	**6,600**	0.4	3	1	**6,800**	0.4	3	1	**3,800**	0.4	3	1	NA							
EPA Method 6010B (dissolved)																									
Iron	300	NS				NS				NS				NS				**556,000**	19	50	1				
EPA Method 300																									
Nitrate as N	10,000	U	11	50	1	U	11	50	1	U	11	50	1	U	11	50	1	UH	20	50	1				
Sulfate	250,000	U*	350	2,000	1	780 J	350	2,000	1	7,200 J	1,700	10,000	5	2,000 J	1,700	10,000	5	U	350	2,000	1				
Chloride	250,000	**343,000**	2,800	5,000	10	**470,000**	1,400	2,500	5	**455,000**	1,400	2,500	5	**479,000**	1,400	2,500	5	**366,000**	1,400	2,500	5				
EPA Method SM5310C																									
Dissolved Organic Carbon - Quad		4,940,000	174,000	400,000	400	4,630,000	43,400	100,000	100	4,310,000	43,400	100,000	100	4,220,000	43,400	100,000	100	3,720,000	174,000	400,000	400				
Total Organic Carbon - Quad		4,600,000	174,000	400,000	400	4,950,000	43,400	100,000	100	4,450,000	43,400	100,000	100	4,030,000	43,400	100,000	100	3,740,000	174,000	400,000	400				
EPA Method 2320B																									
Alkalinity		3,620,000	790	5,000	1	3,800,000 B	790	5,000	1	3,470,000	790	5,000	1	3,070,000	790	5,000	1	2,430,000 B	790	5,000	1				
EPA Method SM2340B																									
Hardness as Calcium Carbonate		4,160,000	100	500	1	4,380,000	100	500	1	4,840,000	100	500	1	3,740,000	100	500	1	4,410,000	100	500	1				
EPA Method SM5210B																									
Biochemical Oxygen Demand		9,870,000 H	20,000	20,000	10	10,200,000 H	20,000	20,000	10	10,200,000 Hb	200,000	200,000	100	7,540,000	100,000	100,000	50	NS							

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110 LUTHER AVENUE BCP SITE (BCP SITE #C734118)
PERIODIC REVIEW REPORT
TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Analyte	GW Std^ (ug/L)	MW-12																							
		Mar-08		D.L.	Feb-10		D.L.	Jun-11		D.L.	Aug-11		D.L.	Sep-11		D.L.	Mar-12		D.L.	R.L.	D.F.
VOCs by EPA Method 8260B																					
Tetrachloroethene	5	**1,200**			**220**			**23**	**J**		**20**	**J**		**17**			**8.1**		0.36	1	1
Trichloroethene	5	**280**			**79**				U	12	**16**	**J**		**15**			**6.9**		0.46	1	1
cis-1,2-dichloroethene	5	NS			**670**			**1,000**			**480**			**350**			**280**		4.1	5	5
trans-1,2-dichloroethene	5		U	20		U	3.8		U	15		U	7.6		U	1.5		U	0.90	1	1
Vinyl chloride	2		U	20	**18**	**J**		**45**	**J**		**100**			**66**			**95**		0.90	1	1
EPA Method RSK-175																					
Ethane		NS			NS			22				U	4		U	4	4.5		0.49	1.5	1
Ethylene		NS			NS			41			7.8			5.5			20		0.52	1.5	1
Methane		NS			NS			61			110			74			280		22	100	100
EPA Method 6010B (total)																					
Calcium		NS			NS			105,000			388,000			497,000			541,000	B	100	500	1
Iron	300	NS			NS			**38,400**			**85,400**			**76,800**			**98,500**		19	50	1
Magnesium	35,000	NS			NS			**40,500**			**146,000**			**184,000**			**183,000**		43	200	1
Manganese	300	NS			NS			**583**			**1,500**			**2,110**			**2,500**	**B**	0.4	3	1
EPA Method 6010B (dissolved)																					
Iron	300	NS			NS			NS			NS			NS			NS				
EPA Method 300																					
Nitrate as N	10,000	NS			NS				U	33		U	33		U	33		U	11	50	1
Sulfate	250,000	NS			NS			4,200			66,600			71,900			67,500		1,700	10,000	5
Chloride	250,000	NS			NS			**485,000**			**526,000**			**473,000**			**481,000**		2,800	5,000	10
EPA Method SM5310C																					
Dissolved Organic Carbon - Quad		NS			NS			690	J			U	230		U	230	3,800		430	1,000	1
Total Organic Carbon - Quad		NS			NS			2,000				U	230		U	230	2,000		430	1,000	1
EPA Method 2320B																					
Alkalinity		NS			NS			142,000			469,000	B		482,000			380,000		790	5,000	1
EPA Method SM2340B																					
Hardness as Calcium Carbonate		NS			NS			429,000			1,570,000			2,000,000			2,100,000		100	500	1
EPA Method SM5210B																					
Biochemical Oxygen Demand		NS			NS			6,500			2,500				U	650		U	2,000	2,000	1

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110 LUTHER AVENUE BCP SITE (BCP SITE #C734118)
PERIODIC REVIEW REPORT
TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Analyte	GW Std^ (ug/L)	MW-12																	
		Jun-12				Sep-12				Dec-12				Mar-13					
VOCs by EPA Method 8260B			D.L.	R.L.	D.F.		D.L.	R.L.	D.F.		D.L.	R.L.	D.F.		D.L.	R.L.	D.F.		
Tetrachloroethene	5	**7.4**	1.8	5	5	**22**	1.8	5	5	**13**	1.8	5	5	U	1.8	5	5		
Trichloroethene	5	**6.8**	2.3	5	5	**17**	2.3	5	5	**15**	2.3	5	5	U	2.3	5	5		
cis-1,2-dichloroethene	5	**250**	4.1	5	5	**310**	4.1	5	5	**250**	4.1	5	5	**93**	4.1	5	5		
trans-1,2-dichloroethene	5	U	4.5	5	5	U	4.5	5	5	U	4.5	5	5	U	4.5	5	5		
Vinyl chloride	2	**57**	4.5	5	5	**64**	4.5	5	5	**58**	4.5	5	5	**4.9**	J	4.5	5	5	
EPA Method RSK-175																			
Ethane		U	47	360	50	U	4.9	75	10	U	4.9	75	10	U	4.9	75	10		
Ethylene		U	60	340	50	U	5.2	70	10	U	5.2	70	10	7.9	J	5.2	70	10	
Methane		340	66	190	50	130	2.2	40	10	140	2.2	40	10	130		2.2	40	10	
EPA Method 6010B (total)																			
Calcium		699,000	100	500	1	431,000	100	500	1	632,000	100	500	1	NA					
Iron	300	**76,500**	19	50	1	**115,000**	19	50	1	**95,300**	19	50	1	**942,000**		97	250	5	
Magnesium	35,000	**180,000**	43	200	1	**165,000**	43	200	1	**131,000**	43	200	1	NA					
Manganese	300	**3,500**	0.4	3	1	**2,000**	0.4	3	1	**3,300**	0.4	3	1	NA					
EPA Method 6010B (dissolved)																			
Iron	300	NS				NS				NS				**748,000**		19	50	1	
EPA Method 300																			
Nitrate as N	10,000	U	11	50	1	U	11	50	1	24	J	11	50	1	UH	20	50	1	
Sulfate	250,000	70,500	1,700	10,000	5	82,000	1,700	10,000	5	83,900	3,500	20,000	10	28,800		3,500	20,000	10	
Chloride	250,000	**444,000**	1,400	2,500	5	**636,000**	2,800	5,000	10	**529,000**	2,800	5,000	10	**619,000**		2,800	5,000	10	
EPA Method SM5310C																			
Dissolved Organic Carbon - Quad		2,000	430	1,000	1	1,800	430	1,000	1	800	J	430	1,000	1	2,930,000		43,400	100,000	100
Total Organic Carbon - Quad		1,400	430	1,000	1	1,600	430	1,000	1	550	J	430	1,000	1	2,860,000		43,400	100,000	100
EPA Method 2320B																			
Alkalinity		433,000	B	790	5,000	1	456,000	790	5,000	1	393,000	790	5,000	1	2,340,000		790	5,000	1
EPA Method SM2340B																			
Hardness as Calcium Carbonate		2,490,000	100	500	1	1,760,000	100	500	1	2,120,000	100	500	1	2,430,000		100	500	1	
EPA Method SM5210B																			
Biochemical Oxygen Demand		U	2,000	2,000	1	UH	2,000	2,000	1	U	2,000	2,000	1	NS					

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Analyte	GW Std^ (ug/L)	MW-13																					
		Mar-08		D.L.	Feb-10		D.L.	Jun-11		D.L.	Aug-11		D.L.	Sep-11		D.L.	Mar-12		D.L.	R.L.	D.F.
VOCs by EPA Method 8260B																					
Tetrachloroethene	5	**900**			**410**			**1,300**			**2,500**			**2,800**			**1,900**		36	100	100
Trichloroethene	5	**470**			**600**			**1,300**			**1,800**			**2,000**			**1,300**		46	100	100
cis-1,2-dichloroethene	5	NS			**780**			**12,000**			**11,000**			**7,800**			**8,900**		81	100	100
trans-1,2-dichloroethene	5		U	100	**12**	**J**			U	150		U	150		U	76	**14**		0.90	1	1
Vinyl chloride	2		U	100	**29**			**300**	**J**		**220**	**J**		**140**	**J**		**470**		90	100	100
EPA Method RSK-175																					
Ethane		NS			NS			9.3			4				U	4	14		0.49	1.5	1
Ethylene		NS			NS			24			10			6.6			39		0.52	1.5	1
Methane		NS			NS			230			160			91			360		22	100	100
EPA Method 6010B (total)																					
Calcium		NS			NS			130,000			97,000			96,900			334,000	B	100	500	1
Iron	300	NS			NS			**103,000**			**25,600**			**28,500**			**116,000**		19	50	1
Magnesium	35,000	NS			NS			**37,900**			29,800			30,500			**115,000**		43	200	1
Manganese	300	NS			NS			**757**			201			236			**2,000**	**B**	0.4	3	1
EPA Method 6010B (dissolved)																					
Iron	300	NS			NS			NS			NS			NS			NS				
EPA Method 300																					
Nitrate as N	10,000	NS			NS			190				U	33		U	33		U	11	50	1
Sulfate	250,000	NS			NS			10,400			8,700			9,400			8,900		350	2,000	1
Chloride	250,000	NS			NS			114,000			119,000			115,000			112,000		560	1,000	2
EPA Method SM5310C																					
Dissolved Organic Carbon - Quad		NS			NS			560	J		410	J		580	J		3,000		430	1,000	1
Total Organic Carbon - Quad		NS			NS			1,500				U	230		U	230	2,900		430	1,000	1
EPA Method 2320B																					
Alkalinity		NS			NS			246,000			260,000	B		264,000			233,000		790	5,000	1
EPA Method SM2340B																					
Hardness as Calcium Carbonate		NS			NS			480,000			365,000			368,000			1,310,000		100	500	1
EPA Method SM5210B																					
Biochemical Oxygen Demand		NS			NS			10,200			660	J		1,100	J		2,900	H	2,000	2,000	1

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TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Analyte	GW Std^ (ug/L)	MW-13																			
		Jun-12					Sep-12					Dec-12					Mar-13				
				D.L.	R.L.	D.F.			D.L.	R.L.	D.F.			D.L.	R.L.	D.F.			D.L.	R.L.	D.F.
VOCs by EPA Method 8260B																					
Tetrachloroethene	5	**2,400**		36	100	100	**3,300**		36	100	100	**5,100**		36	100	100	**4,600**		36	100	100
Trichloroethene	5	**1,400**		46	100	100	**1,900**		46	100	100	**2,600**		46	100	100	**2,500**		46	100	100
cis-1,2-dichloroethene	5	**9,200**		160	200	200	**9,700**		81	100	100	**8,400**		81	100	100	**9,600**		81	100	100
trans-1,2-dichloroethene	5		U	90	100	100		U	90	100	100		U	90	100	100		U	90	100	100
Vinyl chloride	2	**290**		90	100	100	**440**		90	100	100	**480**		90	100	100	**500**		90	100	100
EPA Method RSK-175																					
Ethane			U	47	360	50		U	4.9	75	10		U	4.9	75	10	16	J	4.9	75	10
Ethylene			U	60	340	50		U	5.2	70	10		U	5.2	70	10	27	J	5.2	70	10
Methane		430		66	190	50	420		2.2	40	10	320		2.2	40	1	290		2.2	40	10
EPA Method 6010B (total)																					
Calcium		111,000		100	500	1	878,000		100	500	1	116,000		100	500	1	NA				
Iron	300	**23,900**		19	50	1	**275,000**		19	50	1	**29,300**		19	50	1	**347,000**		19	50	1
Magnesium	35,000	**36,800**		43	200	1	**224,000**		43	200	1	**39,600**		43	200	1	NA				
Manganese	300	250		0.4	3	1	**6,700**		0.4	3	1	**390**		0.4	3	1	NA				
EPA Method 6010B (dissolved)																					
Iron	300	NS					NS					NS					**7,800**		19	50	1
EPA Method 300																					
Nitrate as N	10,000		U	11	50	1		U	11	50	1		U	11	50	1	46	JH	20	50	1
Sulfate	250,000	10,200		350	2,000	1	8,900		700	4,000	2	7,400		700	4,000	2	9,200		700	4,000	2
Chloride	250,000	113,000		560	1,000	2	117,000		560	1,000	2	109,000		560	1,000	2	126,000		560	1,000	2
EPA Method SM5310C																					
Dissolved Organic Carbon - Quad		2,800		430	1,000	1	5,200		430	1,000	1	4,600		430	1,000	1	2,500		430	1,000	1
Total Organic Carbon - Quad		820	J	430	1,000	1	2,500		430	1,000	1	1,300		430	1,000	1	4,200		430	1,000	1
EPA Method 2320B																					
Alkalinity		258,000	B	790	5,000	1	265,000		790	5,000	1	240,000		790	5,000	1	249,000		790	5,000	1
EPA Method SM2340B																					
Hardness as Calcium Carbonate		429,000		100	500	1	3,110,000		100	500	1	452,000		100	500	1	3,330,000		100	500	1
EPA Method SM5210B																					
Biochemical Oxygen Demand		2,600		2,000	2,000	1		UH	2,000	2,000	1	2,200	b	2,000	2,000	1	NS				

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Analyte	GW Std^ (ug/L)	MW-15 Apr-08		D.L.	MW-15 Dec-12		D.L.	R.L.	D.F.
VOCs by EPA Method 8260B									
Tetrachloroethene	5		U	1	U		0.36	1	1
Trichloroethene	5		U	1	U		0.46	1	1
cis-1,2-dichloroethene	5	NS			U		0.81	1	1
trans-1,2-dichloroethene	5		U	1	U		0.90	1	1
Vinyl chloride	2		U	1	U		0.90	1	1
EPA Method RSK-175									
Ethane		NS			U		2.5	38	5
Ethylene		NS			U		2.6	35	5
Methane		NS			44		1.1	20	5
EPA Method 6010B (total)									
Calcium		NS			879,000		100	500	1
Iron	300	NS			**42,600**		19	50	1
Magnesium	35,000	NS			**126,000**		43	200	1
Manganese	300	NS			**4,400**		0.4	3	1
EPA Method 6010B (dissolved)									
Iron	300	NS			NS				
EPA Method 300									
Nitrate as N	10,000	NS				U	11	50	1
Sulfate	250,000	NS			72,900		1,700	10,000	5
Chloride	250,000	NS			**416,000**		1,400	2,500	5
EPA Method SM5310C									
Dissolved Organic Carbon - Quad		NS			4,200		430	1,000	1
Total Organic Carbon - Quad		NS			1,600		430	1,000	1
EPA Method 2320B									
Alkalinity		NS			460,000		790	5,000	1
EPA Method SM2340B									
Hardness as Calcium Carbonate		NS			2,710,000		100	500	1
EPA Method SM5210B									
Biochemical Oxygen Demand		NS			3,700	b	2,000	2,000	1

Analyte	GW Std^ (ug/L)	MW-16 Apr-08		D.L.	MW-16 Feb-10		D.L.	MW-16 Dec-12		D.L.	R.L.	D.F.
VOCs by EPA Method 8260B												
Tetrachloroethene	5		U	1		U		0.87	J	0.36	1	1
Trichloroethene	5		U	1		U			U	0.46	1	1
cis-1,2-dichloroethene	5	NS			**50**			**43**		0.81	1	1
trans-1,2-dichloroethene	5		U	1		U			U	0.90	1	1
Vinyl chloride	2	**2.5**			**2.3**	**J**		1.1		0.90	1	1
EPA Method RSK-175												
Ethane		NS			NS				U	0.49	7.5	1
Ethylene		NS			NS				U	0.52	7	1
Methane		NS			NS			38		0.22	4	1
EPA Method 6010B												
Calcium		NS			NS			912,000		100	500	1
Iron	300	NS			NS			**65,700**		19	50	1
Magnesium	35,000	NS			NS			**112,000**		43	200	1
Manganese	300	NS			NS			**5,500**		0.4	3	1
EPA Method 6010B (dissolved)												
Iron	300	NS			NS			NS				
EPA Method 300												
Nitrate as N	10,000	NS			NS			23	J	11	50	1
Sulfate	250,000	NS			NS			36,400		700	4,000	2
Chloride	250,000	NS			NS			236,000		1,400	2,500	5
EPA Method SM5310C												
Dissolved Organic Carbon - Quad		NS			NS			1,400		430	1,000	1
Total Organic Carbon - Quad		NS			NS			1,700		430	1000	1
EPA Method 2320B												
Alkalinity		NS			NS			287,000		790	5,000	1
EPA Method SM2340B												
Hardness as Calcium Carbonate		NS			NS			2,740,000		100	500	1
EPA Method SM5210B												
Biochemical Oxygen Demand		NS			NS			3,800	b	2,000	2,000	1

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		Feb-10	D.L.	Feb-11	D.L.	Mar-11	D.L.	Apr-11	D.L.	Jun-11	D.L.	Aug-11	D.L.	Sep-11	D.L.
VOCs by EPA Method 8260B															
Tetrachloroethene	5	**14,000**		**8,800**		**6,300**		**6,900**		**7,600**		U	200	U	81
Trichloroethene	5	**2,000**		**1,400**		**1,200**		**1,800**		**1,000**		U	160	U	62
cis-1,2-dichloroethene	5	**750**		**1,000**		**780**		**1,400**		**940**		**21,000**		**12,000**	
trans-1,2-dichloroethene	5	U	76	U	76	U	30	U	38	U	76	U	190	U	76
Vinyl chloride	2	U	99	U	99	U	40	U	50	U	99	**360 J**		**1,800**	
EPA Method RSK-175															
Ethane		NS		U	4	U	4	U	4	U	4	U	40	U	40
Ethylene		NS		U	3	U	3	U	3	U	3	U	30	41	
Methane		NS		11		27		9.5		32		2,100		2,100	
EPA Method 6010B (total)															
Calcium		NS		295,000		126,000		341,000		89,600		465,000		387,000	
Iron	300	NS		**50,000**		**13,200**		**36,400**		**924**		**89,200**		**58,900**	
Magnesium	35,000	NS		**102,000**		**35,500**		**110,000**		21,100		**81,500**		**85,400**	
Manganese	300	NS		**2,080**		**737**		**2,210**		**521**		**6,710**		**4,530**	
EPA Method 6010B (dissolved)															
Iron	300	NS		NS		NS		NS		NS		NS		NS	
EPA Method 300															
Nitrate as N	10,000	NS		U	33	U	33	U	33	U	33	U	33	UH	330
Sulfate	250,000	NS		97,000		84,200		101,000		212,000		31,000		21,700	
Chloride	250,000	NS		193,000		213,000		222,000		89,700.0		169,000		**279,000**	
EPA Method SM5310C															
Dissolved Organic Carbon - Quad		NS		U	230	U	230	U	230	U	230	804,000		415,000	
Total Organic Carbon - Quad		NS		U	230	U	230	U	230	U	230	813,000		457,000	
EPA Method 2320B															
Alkalinity		NS		245,000		249,000		258,000		247,000		1,150,000	B	889,000	
EPA Method SM2340B															
Hardness as Calcium Carbonate		NS		1,160,000		461,000		1,300,000		310,000		1,500,000		1,320,000	
EPA Method SM5210B															
Biochemical Oxygen Demand		NS		U	650	U	650	U	650	1,400	J	>1,743,000		717,000	

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		Mar-12					Jun-12					Sep-12					Dec-12					Mar-13			
VOCs by EPA Method 8260B			D.L.	R.L.	D.F.			D.L.	R.L.	D.F.			D.L.	R.L.	D.F.			D.L.	R.L.	D.F.			D.L.	R.L.	D.F.
Tetrachloroethene	5	**9.7**	1.8	5	5		3.6	0.36	1	1		U	18	50	50		U	18	50	50		U	3.6	10	10
Trichloroethene	5	**6.5**	2.3	5	5		**7.0**	0.46	1	1		U	23	50	50		U	23	50	50		U	4.6	10	10
cis-1,2-dichloroethene	5	**2,700**	41	50	50		**4,300**	65	80	80		**3,500**	41	50	50		**3,800**	41	50	50		**570**	8.1	10	10
trans-1,2-dichloroethene	5	**6.6**	4.5	5	5		U	0.90	1	1		U	45	50	50		U	45	50	50		U	9.0	10	10
Vinyl chloride	2	**990**	45	50	50		**1,800**	72	80	80		**1,200**	45	50	50		**2,100**	45	50	50		**410**	9.0	10	10
EPA Method RSK-175																									
Ethane		260	0.49	1.5	1		400	47	360	50		470	9.8	150	20		490	25	380	50		450	25	380	50
Ethylene		160	52	150	100		460	60	340	50		390	10	140	20		560	26	350	50		400	26	350	50
Methane		4,000	22	100	100		11,000	260	780	200		5,100	44	800	200		6,800	11	200	50		5,100	11	200	50
EPA Method 6010B (total)																									
Calcium		256,000 B	100	500	1		242,000	100	500	1		295,000	100	500	1		254,000	100	500	1		NA			
Iron	300	**22,500**	19	50	1		**24,800**	19	50	1		**41,200**	19	50	1		**23,400**	19	50	1		**62,200**	19	50	1
Magnesium	35,000	**63,600**	43	200	1		**65,400**	43	200	1		**87,600**	43	200	1		**68,400**	43	200	1		NA			
Manganese	300	**2,500 B**	0.4	3	1		**2,100**	0.4	3	1		**2,200**	0.4	3	1		**1,700**	0.4	3	1		NA			
EPA Method 6010B (dissolved)																									
Iron	300	NS					NS					NS					NS					**21,600**	19	50	1
EPA Method 300																									
Nitrate as N	10,000	U	11	50	1		U	11	50	1		U	11	50	1		36 J	11	50	1		44 JH	20	50	1
Sulfate	250,000	28,000	1,700	10,000	5		28,800	1,700	10,000	5		10,200	1,700	10,000	5		2,100	350	2,000	1		6,500	350	2,000	1
Chloride	250,000	**260,000**	1,400	2,500	5		**253,000**	1,400	2,500	5		**280,000**	1,400	2,500	5		234,000	1,400	2,500	5		228,000	1,400	2,500	5
EPA Method SM5310C																									
Dissolved Organic Carbon - Quad		6,600	430	1,000	1		20,300	430	1,000	1		2,600	430	1,000	1		35,600	430	1,000	1		41,800	430	1,000	1
Total Organic Carbon - Quad		34,100	430	1,000	1		15,100	430	1,000	1		26,200	430	1,000	1		51,500	430	1,000	1		42,000	430	1,000	1
EPA Method 2320B																									
Alkalinity		760,000	790	5,000	1		792,000 B	790	5,000	1		787,000	790	5,000	1		770,000	790	5,000	1		830,000	790	5,000	1
EPA Method SM2340B																									
Hardness as Calcium Carbonate		901,000	100	500	1		874,000	100	500	1		1,100,000	100	500	1		917,000	100	500	1		1,430,000	100	500	1
EPA Method SM5210B																									
Biochemical Oxygen Demand		49,000	2,000	2,000	1		47,300	2,000	2,000	1		55,200	2,000	2,000	1		80,600	2,000	2,000	1		NS			

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Analyte	GW Std^ (ug/L)	MW-18											
		Feb-10			Sep-11			Mar-12			Dec-12		
VOCs by EPA Method 8260B			D.L.			D.L.			D.L.	R.L.		D.L.	R.L.
Tetrachloroethene	5	U	0.81		U	0.81		U	0.36	1	U	0.36	1
Trichloroethene	5	U	0.62		U	0.62		U	0.46	1	U	0.46	1
cis-1,2-dichloroethene	5	U	0.99		**13**			**29**	0.81	1	**5.5**	0.81	1
trans-1,2-dichloroethene	5	U	0.76		U	0.76		U	0.90	1	U	0.90	1
Vinyl chloride	2	**2.7**	**J**		**17**			**9.2**	0.90	1	U	0.90	1
EPA Method RSK-175													
Ethane		NS			U	4		U	0.49	1.5	U	4.9	75
Ethylene		NS			U	3	1.2	J	0.52	1.5	U	5.2	70
Methane		NS			70		42		0.22	1	240	2.2	40
EPA Method 6010B (total)													
Calcium		NS			120,000		81,600	B	100	500	41,900	100	500
Iron	300	NS			**34,500**		**10,000**		19	50	**5,600**	19	50
Magnesium	35,000	NS			**37,800**		21,500		43	200	10,200	43	200
Manganese	300	NS			**1,270**		**670**	**B**	0.4	3	**400**	0.4	3
EPA Method 6010B (dissolved)													
Iron	300	NS			NS		NS				NS		
EPA Method 300													
Nitrate as N	10,000	NS			U	33		U	11	50	23	J 11	50
Sulfate	250,000	NS			62,800		42,200		1,700	10,000	58,900	7,000	40,000
Chloride	250,000	NS			**388,000**		**892,000**		5,600	10,000	**580,000**	5,600	10,000
EPA Method SM5310C													
Dissolved Organic Carbon - Quad		NS			640	J	3,700		430	1,000	10,900	430	1,000
Total Organic Carbon - Quad		NS			620	J	2,500		430	1,000	10,100	430	1,000
EPA Method 2320B													
Alkalinity		NS			370,000	B	247,000		790	5,000	400,000	790	5,000
EPA Method SM2340B													
Hardness as Calcium Carbonate		NS			455,000		292,000		100	500	146,000	100	500
EPA Method SM5210B													
Biochemical Oxygen Demand		NS			660	J		U	2,000	2,000	U	2,000	2,000

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H – Sample was prepped or analyzed beyond the specified holding time
B – Analyte detected in the associated laboratory blank
b – Result detected in the USB
NS – Not sampled
NA – Not analyzed for
D.L. – Laboratory detection limit
R.L. – Laboratory reporting limit
D.F. – Laboratory dilution factor
* - Reported as 1,2-Dichloroethene, Total is previous laboratory reports
Feb-11, Mar-11, and Apr-11 data represents pilot test baseline, 1st post-pilot test sampling event, and 2nd post-pilot test sampling event, respectively
Jun-11, Aug-11, and Sep-11 data represents full scale ISCR injection baseline, 1st post-ISCR sampling event, and 2nd post-ISCR sampling event, respectively
^ - GW Std – Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

110 LUTHER AVENUE BCP SITE (BCP SITE #C734118)
PERIODIC REVIEW REPORT
TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Analyte	GW Std^ (ug/L)	MW-19											
		Feb-10		Sep-11			Mar-12				Dec-12		
			D.L.		D.L.			D.L.	R.L.			D.L.	R.L.
VOCs by EPA Method 8260B													
Tetrachloroethene	5	U	0.81	U	0.81		U	0.36	1		U	0.36	1
Trichloroethene	5	U	0.62	U	0.62		U	0.46	1		U	0.46	1
cis-1,2-dichloroethene	5	U	0.99	U	0.99		U	0.81	1		U	0.81	1
trans-1,2-dichloroethene	5	U	0.76	U	0.76		U	0.90	1		U	0.90	1
Vinyl chloride	2	U	0.99	U	0.99		U	0.90	1		U	0.90	1
EPA Method RSK-175													
Ethane		NS		U	8		U	0.49	1.5		U	0.49	7.5
Ethylene		NS		U	6		U	0.52	1.5		U	0.52	7
Methane		NS		680			180		2.2	10	36	0.22	4
EPA Method 6010B (total)													
Calcium		NS		101,000			79,900	B	100	500	43,600	100	500
Iron	300	NS		**3,440**			**26,500**		19	50	**3,400**	19	50
Magnesium	35,000	NS		22,700			22,700		43	200	8,100	43	200
Manganese	300	NS		**997**			**1,000**	**B**	0.4	3	180	0.4	3
EPA Method 6010B (dissolved)													
Iron	300	NS		NS			NS				NS		
EPA Method 300													
Nitrate as N	10,000	NS			U	33		U	11	50	88	11	50
Sulfate	250,000	NS		43,100			30,200		350	2,000	26,600	1,700	10,000
Chloride	250,000	NS		**661,000**			**433,000**		1,400	2,500	149,000	1,400	2,500
EPA Method SM5310C													
Dissolved Organic Carbon - Quad		NS		520	J		4,300		430	1,000	4,100	430	1,000
Total Organic Carbon - Quad		NS		230	J		3,100		430	1,000	3,700	430	1,000
EPA Method 2320B													
Alkalinity		NS		336,000	B		220,000		790	5,000	207,000	790	5,000
EPA Method SM2340B													
Hardness as Calcium Carbonate		NS		347,000			293,000		100	500	142,000	100	500
EPA Method SM5210B													
Biochemical Oxygen Demand		NS		3,700				U	2,000	2,000		2,000	2,000

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110 LUTHER AVENUE BCP SITE (BCP SITE #C734118)
PERIODIC REVIEW REPORT
TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Analyte	GW Std^ (ug/L)	DUPLICATE																					
		Feb-10 (MW-8)		D.L.	Feb-11 (MW-17)		D.L.	Mar-11 (MW-17)		D.L.	Apr-11 (MW-17)		D.L.	Jun-11 (MW-8)		D.L.	Aug-11 (MW-8)		D.L.	Sep-11 (MW-8)		D.L.
VOCs by EPA Method 8260B																							
Tetrachloroethene	5	**3,500**			**14,000**			**4,000**			**11,000**			**1,700**			**330**			**500**	J	
Trichloroethene	5	**900**			**2,700**			**1,000**			**2,000**			**570**			**130**	J		**220**	J	
cis-1,2-dichloroethene	5	**2,500**			**1,900**			**740**			**1,200**			**1,800**			**3,900**			**5,500**		
trans-1,2-dichloroethene	5		U	30		U	150		U	30		U	76		U	19	**80**	J		**87**	J	
Vinyl chloride	2	**270**				U	200		U	40		U	99	**220**			**2,900**			**3,400**		
EPA Method RSK-175																							
Ethane		NS				U	4		U	4		U	4		U	20	21			25		
Ethylene		NS				U	3		U	3		U	3		U	15	320			640		
Methane		NS			23			24			8.7			390			1,000			1,100		
EPA Method 6010B (total)																							
Calcium		NS			305,000			128,000			324,000			200,000			265,000			282,000		
Iron	300	NS			**52,400**			**14,100**			**32,900**			**5,460**			**33,300**			**43,400**		
Magnesium	35,000	NS			**106,000**			**36,200**			**100,000**			**62,100**			**77,000**			**82,400**		
Manganese	300	NS			**2,160**			**762**			**2,100**			**1,960**			**3,870**			**3,740**		
EPA Method 6010B (dissolved)																							
Iron	300	NS			NS			NS			NS			NS			NS			NS		
EPA Method 300																							
Nitrate as N	10,000	NS				U	33		U	33		U	33		U	33		U	33		U	33
Sulfate	250,000	NS			97,800			83,200			99,800			81,000.0			4,400			4000.0		
Chloride	250,000	NS			196,000			209,000			222,000			**433,000**			469,000			468,000		
EPA Method SM5310C																							
Dissolved Organic Carbon - Quad		NS				U	230		U	230		U	230		U	230	164,000			198,000		
Total Organic Carbon - Quad		NS				U	230		U	230		U	230		U	230	172,000			177,000		
EPA Method 2320B																							
Alkalinity		NS			251,000			248,000			257,000			381,000			638,000	B		645,000	B	
EPA Method SM2340B																							
Hardness as Calcium Carbonate		NS			1,200,000			469,000			1,220,000			756,000			978,000			1,040,000		
EPA Method SM5210B																							
Biochemical Oxygen Demand		NS				U	650		U	650		U	650	4,000			363,000			>213,600		

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110 LUTHER AVENUE BCP SITE (BCP SITE #C734118)
PERIODIC REVIEW REPORT
TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Analyte	GW Std^ (ug/L)	DUPLICATE																					
		Mar-12 (MW-10)		D.L.	R.L.	Jun-12 (MW-8)		D.L.	R.L.	Sep-12 (MW-8)		D.L.	R.L.	Dec-12 (MW-19)		D.L.	R.L.	Mar-13 (MW-7)		D.L.	R.L.
VOCs by EPA Method 8260B																					
Tetrachloroethene	5		U	0.36	1	**3,000**		29	80	**6,800**		72	200		U	0.36	1		U	140	400
Trichloroethene	5		U	0.46	1	**1,300**		37	80	**1,500**		92	200		U	0.46	1		U	180	400
cis-1,2-dichloroethene	5	**54**		0.81	1	**6,500**		65	80	**7,000**		160	200		U	0.81	1	**16,000**		320	400
trans-1,2-dichloroethene	5		U	0.90	1		U	72	80	**34**		0.90	1		U	0.90	1		U	360	400
Vinyl chloride	2	**12**		0.90	1	**2,000**		72	80	**2,200**		180	200		U	0.90	1	**6,600**		360	400
EPA Method RSK-175																					
Ethane			U	0.49	1.5		U	47	360		U	25	380		U	0.49	7.5	470		25	380
Ethylene		1.2	J	0.52	1.5		U	60	340	46	J	26	350		U	0.52	7	1,400		26	350
Methane		21		0.22	1	3,500		66	190	4,200		11	200	62		0.22	4	4,800		11	200
EPA Method 6010B (total)																					
Calcium		171,000	B	100	500	210,000		100	500	228,000		100	500	44,200		100	500	NA			
Iron	300	**8,600**		19	50	**10,800**		19	50	**14,200**		19	50	**3,200**		19	50	**63,100**		19	50
Magnesium	35,000	**60,200**		43	200	**71,400**		43	200	**77,700**		43	200	8,300		43	200	NA			
Manganese	300	**330**	**B**	0.4	3	**1,900**		0.4	3	**1,600**		0.4	3	180		0.4	3	NA			
EPA Method 6010B (dissolved)																					
Iron	300	NS				NS				NS				NS				**16,800**		19	50
EPA Method 300																					
Nitrate as N	10,000		U	11	50		U	11	50	35	J	11	50	60		11	50	23	J	20	50
Sulfate	250,000	26,400		350	2,000	25,100		350	2,000	74,200		1,700	10,000	27,000		1,700	10,000	14,100		1,700	10,000
Chloride	250,000	180,000		1,400	2,500	**419,000**		1,400	2,500	**407,000**		1,400	2,500	151,000		1,400	2,500	**309,000**		1,400	2,500
EPA Method SM5310C																					
Dissolved Organic Carbon - Quad		2,900		430	1,000	2,900		430	1,000	5,800		430	1,000	3,900		430	1,000	121,000		4,300	10,000
Total Organic Carbon - Quad		1,000		430	1,000	2,700		430	1,000	710	J	430	1,000	3,700		430	1,000	126,000		4,300	10,000
EPA Method 2320B																					
Alkalinity		333,000		790	5,000	466,000	B	790	5,000	419,000		790	5,000	207,000		790	5,000	589,000		790	5,000
EPA Method SM2340B																					
Hardness as Calcium Carbonate		674,000		100	500	818,000		100	500	888,000		100	500	144,000		100	500	1,500,000		100	500
EPA Method SM5210B																					
Biochemical Oxygen Demand			U	2,000	2,000	8,900	b	2,000	2,000	5,900		2,000	2,000		U	2,000	2,000	NS			

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Appendices

Appendix A - Institutional and Engineering Controls Certification 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. C734118

Site Name 110 Luther Ave. Site

Site Address: 110 Luther Avenue Zip Code: 13088
City/Town: Liverpool
County: Onondaga
Site Acreage: 1.4

Reporting Period: ~~November 16, 2011 to March 17, 2013~~
JANUARY 1, 2012 TO JUNE 30, 2013

	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? Commercial and Industrial	☒	☐
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: 7/8/13

Box 2A

	YES	NO
8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?	☐	☒

If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.

9. Are the assumptions in the Qualitative Exposure Assessment still valid? (The Qualitative Exposure Assessment must be certified every five years)	☒	☐

If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.

SITE NO. C734118

Box 3

Description of Institutional Controls

Parcel	Owner	Institutional Control
085-12-04.1	Syracuse Label Co., Inc.	Ground Water Use Restriction IC/EC Plan Landuse Restriction Monitoring Plan O&M Plan Site Management Plan
085-12-05.0	Syracuse Label Co., Inc.	Ground Water Use Restriction IC/EC Plan Landuse Restriction Monitoring Plan O&M Plan Site Management Plan
085-12-06.1	Syracuse Label Co., Inc.	Ground Water Use Restriction IC/EC Plan Landuse Restriction Monitoring Plan O&M Plan Site Management Plan
085-12-08.0	Syracuse Label Co., Inc.	Ground Water Use Restriction IC/EC Plan Landuse Restriction Monitoring Plan O&M Plan Site Management Plan
085-12-09.0	Syracuse Label Co., Inc.	Ground Water Use Restriction IC/EC Plan Landuse Restriction Monitoring Plan O&M Plan Site Management Plan

Box 4

Description of Engineering Controls

Parcel	Engineering Control
085-12-04.1	Cover System Vapor Mitigation
085-12-05.0	Cover System Vapor Mitigation
085-12-06.1	Cover System Vapor Mitigation
085-12-08.0	Cover System Vapor Mitigation
085-12-09.0	

Parcel	Engineering Control
	Cover System Vapor Mitigation

Engineering Control Details for Site No. C734118

Engineering Control Details for Site No. C734118

Parcel: 085-12-04.1

A sub-slab depressurization system (SSDS) was installed in the existing Site building in 2011. The SSDS is a high vacuum system utilizing fourteen (14) suction points positioned at location shown on Figure 9. Photographs of the system installation are included in Appendix B of this SMP. The fourteen (14) suction points are identified herein, and will be referenced in the future, as S-1, S-2, S-3, and S-4 (clockwise around warehouse starting in the southwest corner); S-5, S-6, and S-7 (south to north along office area wall); S-8 and S-9 (northeastern rooms of building), and S-10, S-11, S-12, S-13, and S-14 (southeastern rooms of building).

Each SSDS suction point consists of a 4 inch hole cored through the existing concrete slab. Each suction riser was constructed of 3 inch diameter schedule 40 polyvinyl chloride (PVC) piping. Each suction riser was connected to a single fan on the roof utilizing a trunk line network consisting of 4 inch diameter PVC piping. Each riser pipe is outfitted with a magnehelic pressure gauge, to allow for monitoring of system performance, and an interior baffle that can be adjusted to regulate airflow. All floor, wall, and roof penetrations were sealed with a VOC compliant urethane sealant. Design details are presented in the Operation and Maintenance Plan (Section 4 of this SMP).

Procedures for monitoring the system, including inspections in the event that an identified severe condition occurs, are included in the Monitoring Plan (Section 3 of this SMP). Procedures for operating and maintaining the SSDS are documented in the Operation and Maintenance Plan (Section 4 of this SMP).

A series of Institutional Controls is required by the RAWP to: (1) implement, maintain and monitor Engineering Control systems; (2) prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination; and, (3) limit the use and development of the Site to Commercial or Industrial uses only. Adherence to these Institutional Controls on the Site is required by the Environmental Easement and will be implemented under this Site Management Plan. These Institutional Controls are:

- Compliance with the Environmental Easement and this SMP by the Grantor and the Grantor's successors and assigns;
- All Engineering Controls must be operated and maintained as specified in this SMP;
- All Engineering Controls on the Controlled Property must be inspected at a frequency and in a manner defined in the SMP;
- Groundwater and other environmental or public health monitoring must be performed as defined in this SMP; and
- Data and information pertinent to Site Management of the Controlled Property must be reported at the frequency and in a manner defined in this SMP.

Institutional Controls identified in the Environmental Easement may not be discontinued without an amendment to or extinguishment of the Environmental Easement.

The Site has a series of Institutional Controls in the form of Site restrictions. Adherence to these Institutional Controls is required by the Environmental Easement. Site restrictions that apply to the Controlled Property are:

- The property may only be used for Commercial or Industrial use provided that the long-term Engineering and Institutional Controls included in this SMP are employed;
- The property may not be used for a higher level of use, such as unrestricted, residential, or restricted residential use without additional remediation and amendment of the Environmental Easement, as approved by the NYSDEC;
- All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with this SMP and the Excavation Work Plan (Appendix C);
- The use of the groundwater underlying the property is prohibited without treatment rendering it safe for intended use;
- The potential for vapor intrusion must be evaluated for any buildings developed onsite, and any potential impacts that are identified must be monitored or mitigated;
- Vegetable gardens and farming on the property are prohibited;
- The Site owner or remedial party will submit to NYSDEC a written statement that certifies, under penalty of perjury, that: (1) controls employed at the Controlled Property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP. NYSDEC retains the right to access such Controlled Property at any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable; and
- The Site owner is required to monitor whether there is a change in ownership of the adjacent property currently owned by The Brannock Device Company, located at 116 Luther Avenue. If a change in ownership occurs the current owner will need to be notified of the environmental conditions of the 110

Luther Avenue Site and afforded the option to evaluate the potential for soil vapor intrusion into the building. Notification must also be made to the NYSDEC if the adjacent property is sold or ownership is transferred.

2.3.1 Excavation Work Plan

The Site has been remediated for commercial use. Any future intrusive work that will encounter or disturb the remaining contamination, including any modifications or repairs to the existing cover system will be performed in compliance with the Excavation Work Plan (EWP) that is attached as Appendix C to this SMP. Any work conducted pursuant to the EWP must also be conducted in accordance with the procedures defined in a Health and Safety Plan (HASP) and Community Air Monitoring Plan (CAMP) prepared for the Site. A sample HASP and CAMP are attached as Appendix D to this SMP that is in current compliance with DER-10, and 29 CFR 1910, 29 CFR 1926, and all other applicable Federal, State and local regulations. Based on future changes to State and federal health and safety requirements, and specific methods employed by future contractors, the HASP and CAMP will be updated and re-submitted with the notification provided in Section C-1 of the EWP. Any intrusive construction work will be performed in compliance with the EWP, HASP and CAMP, and will be included in the periodic inspection and certification reports submitted under the Site Management Reporting Plan (See Section 5).

The Site owner and associated parties preparing the remedial documents submitted to the State, and parties performing this work, are completely responsible for the safe performance of all intrusive work, the structural integrity of excavations, proper disposal of excavation de-water, control of runoff from open excavations into remaining contamination, and for structures that may be affected by excavations (such as building foundations and bridge footings). The Site owner will ensure that Site development activities will not interfere with, or otherwise impair or compromise, the engineering controls described in this SMP.

2.3.2 Soil Vapor Intrusion Evaluation

Prior to the construction of any enclosed structures at the Site, an SVI evaluation will be performed to determine whether any mitigation measures are necessary to eliminate potential exposure to vapors in the proposed structure. Alternatively, an SVI mitigation system may be installed as an element of the building foundation without first conducting an investigation. This mitigation system will include a vapor barrier and passive sub-slab depressurization system that is capable of being converted to an active system.

Prior to conducting an SVI investigation or installing a mitigation system, a work plan will be developed and submitted to the NYSDEC and NYSDOH for approval. This work plan will be developed in accordance with the most recent NYSDOH "Guidance for Evaluating Vapor Intrusion in the State of New York". Measures to be employed to mitigate potential vapor intrusion will be evaluated, selected, designed, installed, and maintained based on the SVI evaluation, the NYSDOH guidance, and construction details of the proposed structure.

Preliminary (unvalidated) SVI sampling data will be forwarded to the NYSDEC and NYSDOH for initial review and interpretation. Upon validation, the final data will be transmitted to the agencies, along with a recommendation for follow-up action, such as mitigation. If any indoor air test results exceed NYSDOH guidelines, relevant NYSDOH fact sheets will be provided to all tenants and occupants of the property within 15 days of receipt of validated data.

SVI sampling results, evaluations, and follow-up actions will also be summarized in the next Periodic Review Report.

Engineering Control Details for Site No. C734118

Parcel: 085-12-05.0

A sub-slab depressurization system (SSDS) was installed in the existing Site building in 2011. The SSDS is a high vacuum system utilizing fourteen (14) suction points positioned at location shown on Figure 9. Photographs of the system installation are included in Appendix B of this SMP. The fourteen (14) suction points are identified herein, and will be referenced in the future, as S-1, S-2, S-3, and S-4 (clockwise around warehouse starting in the southwest corner); S-5, S-6, and S-7 (south to north along office area wall); S-8 and S-9 (northeastern rooms of building), and S-10, S-11, S-12, S-13, and S-14 (southeastern rooms of building).

Each SSDS suction point consists of a 4 inch hole cored through the existing concrete slab. Each suction riser was constructed of 3 inch diameter schedule 40 polyvinyl chloride (PVC) piping. Each suction riser was connected to a single fan on the roof utilizing a trunk line network consisting of 4 inch diameter PVC piping. Each riser pipe is outfitted with a magnehelic pressure gauge, to allow for monitoring of system performance, and an interior baffle that can be adjusted to regulate airflow. All floor, wall, and roof penetrations were sealed with a VOC compliant urethane sealant. Design details are presented in the Operation and Maintenance Plan (Section 4 of this SMP).

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- The use of the groundwater underlying the property is prohibited without treatment rendering it safe for intended use;
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Engineering Control Details for Site No. C734118

Parcel: 085-12-06.1

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Box 5

Periodic Review Report (PRR) Certification Statements

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

   a) the Periodic Review report and all attachments were prepared under the direction 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 compete.

YES	NO
X	☐

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. NA

YES	NO
X	☐

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: 7/8/13

IC CERTIFICATIONS
SITE NO. C734118

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 Kathleen Alaimo at 110 Luther Ave Liverpool, NY, 13088
print name print business address

am certifying as Owner (Owner or Remedial Party)

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

Kathleen Alaimo 7/11/13
Signature of Owner, Remedial Party, or Designated Representative Rendering Certification Date

IC/EC CERTIFICATIONS

Box 7

Professional Engineer 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 WAYNE MCFARLAND (print name) at 1 REMINGTON PARK DRIVE, CAZENOVIA, NY (print business address)

am certifying as a Professional Engineer for the SYRACUSE LABEL (Owner or Remedial Party)

STATE OF NEW YORK
WAYNE EDWARD MCFARLAND
No. 59177
LICENSED PROFESSIONAL ENGINEER

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

Stamp (Required for PE)

Date: 7/8/13

Appendix B - Property Ownership Information for Adjoining Property

Department of Finance
Office of Real Property Services

SDG
Image Mate Online

Navigation GIS Map Tax Maps | ORPS Links Assessment Info Help Log In

Commercial

Property Info
Owner/Sales
Inventory
Improvements

Report
Comparables

Tax Info

Tax data not available. Some or all of the systems serving the requested information may be down for maintenance at this time.

Municipality of Town of Salina

SWIS:	314889	Tax ID:	085.-12-10.0
Property #:			

Ownership Information

Name	Address
Leonardi Salvatore A Jr	116 Luther Ave Liverpool NY 13088-6726

Sale Information

Sale Date	Price	Property Class	Sale Type	Prior Owner
7/12/1995	$125,000	710 - Manufacture	Land & Building	Masterpol Nicholas J
	Value Usable	Arms Length	Deed Book	Deed Page
	Yes	Yes	4013	42

Sale Date	Price	Property Class	Sale Type	Prior Owner
1/4/1995	$75,000	710 - Manufacture	Land & Building	Krull Duane
	Value Usable	Arms Length	Deed Book	Deed Page
	Yes	Yes	3977	76

Photographs

No Photo Available

Tax Bills

(Select tax bill from list, click button.)

2013 Town & County Tax
2012 Town & County Tax
2012-2013 School Tax
2011 Town & County Tax
2011-2012 School Tax

Show Tax Bill

Pictometry LiveLink

View this property's Pictometry imagery in LiveLink.

Documents

No documents found for this parcel

Maps

View Tax Map
Pin Property on GIS Map
View in Google Maps
View in Yahoo! Maps
View in Bing Maps

Map Disclaimer

Appendix C - Sub-Slab Depressurization System Inspection Checklists

Sub-Slab Depressurization System

Inspection Checklist

Syracuse Label, 110 Luther Avenue, Liverpool, NY

Date: 1-10-12

Insepctors Name: Kevin Gagnon

Company: SYRLSP

Inspector Initials: KG.

I. Pressure Readings

Suction Riser Identification	Pressure Reading (inWC)
S-1	3.0
S-2	3.0
S-3	6.5
S-4	5.0
S-5	3.5
S-6	3.0
S-7	3.0
S-8	4.5
S-9	2.0
S-10	2.25
S-11	2.0
S-12	2.25
S-13	2.5
S-14	2.0

Notes:

Locations of suction risers can be found on attached Figure.

System details are included in Appendix B.

II. Fan Inspection

1. Operational?	Y	X	N	___
2. Fan/Controls Clear of obstructions?	Y	X	N	___
3. Rapair needs?	Y	___	N	X

A. Observations/comments:

Attach photographs as appropriate

III. Piping/Penetrations

1. Is piping intact? (Y) or N)
2. Are floor/wall penetrations sealed? (Y) or N)

If 'No' to either of the above, provide observations and describe corrective actions taken

B. Actions taken:

C. Recommended Maintenance/Repairs:

Do any of the pressure gages require repair or replacement? Y ___ N X

If so, indicate locations, and actions taken:

IV. Building Modifications: Have building modifications been made that could affect the operation of the SSD System? (Describe)

None at this time

Additional Comments:

Checked condensation trap - No water at all.

Kevin Gagnon

Report all maintenance/repair needs immediately to building facility manager

Sub-Slab Depressurization System

Inspection Checklist

Syracuse Label, 110 Luther Avenue, Liverpool, NY

Date: 2/16/12

Insepctors Name: Kevin Gagnon

Company: SYRLSP

Inspector Initials: KG

I. Pressure Readings

Suction Riser Identification	Pressure Reading (inWC)
S-1	3.0
S-2	3.0
S-3	5.7
S-4	5.0
S-5	3.5
S-6	3.0
S-7	2.0
S-8	4.5
S-9	2.0
S-10	2.1
S-11	2.0
S-12	2.0
S-13	2.4
S-14	2.0

Notes:

Locations of suction risers can be found on attached Figure.

System details are included in Appendix B.

II. Fan Inspection

1. Operational?	Y	X	N	___
2. Fan/Controls Clear of obstructions?	Y	X	N	___
3. Rapair needs?	Y	___	N	X

A. Observations/comments:

Attach photographs as appropriate

III. Piping/Penetrations

1. Is piping intact? (Y or N)
2. Are floor/wall penetrations sealed? (Y or N)

If 'No' to either of the above, provide observations and describe corrective actions taken

B. Actions taken:

C. Recommended Maintenance/Repairs:

Do any of the pressure gages require repair or replacement? Y ___ N X

If so, indicate locations, and actions taken:

IV. Building Modifications: Have building modifications been made that could affect the operation of the SSD System? (Describe)

None at this time

Additional Comments:

Checked Condensation trap - NO water at all (KG)

Report all maintenance/repair needs immediately to building facility manager

Sub-Slab Depressurization System

Inspection Checklist

Syracuse Label, 110 Luther Avenue, Liverpool, NY

Date: 3/26/12

Insepctors Name: Kevin Gagnon

Company: SMRLSP

Inspector Initials: KG

I. Pressure Readings

Suction Riser Identification	Pressure Reading (inWC)
S-1	3.0
S-2	3.0
S-3	5.6
S-4	5.0
S-5	3.5
S-6	3.0
S-7	2.1
S-8	4.5
S-9	2.0
S-10	2.3
S-11	2.1
S-12	2.1
S-13	2.4
S-14	2.1

Notes:

Locations of suction risers can be found on attached Figure.

System details are included in Appendix B.

II. Fan Inspection

1. Operational?	Y	X	N	___
2. Fan/Controls Clear of obstructions?	Y	X	N	___
3. Rapair needs?	Y	___	N	X

A. Observations/comments:

Attach photographs as appropriate

III. Piping/Penetrations

1. Is piping intact? (Y or N)
2. Are floor/wall penetrations sealed? (Y or N)

If 'No' to either of the above, provide observations and describe corrective actions taken

B. Actions taken:

C. Recommended Maintenance/Repairs:

Do any of the pressure gages require repair or replacement? Y ___ N X

If so, indicate locations, and actions taken:

IV. Building Modifications: Have building modifications been made that could affect the operation of the SSD System? (Describe)

None at this time. (KG)

Additional Comments:

Checked condensation trap - no water at all (KG)

Report all maintenance/repair needs immediately to building facility manager

Sub-Slab Depressurization System

Inspection Checklist

Syracuse Label, 110 Luther Avenue, Liverpool, NY

Date: 4/25/12

Insepctors Name: Kevin Gagnon

Company: SYRLSP

Inspector Initials: KG

I. Pressure Readings

Suction Riser Identification	Pressure Reading (inWC)
S-1	3.0
S-2	3.0
S-3	5.5
S-4	5.0
S-5	3.5
S-6	3.0
S-7	2.0
S-8	4.5
S-9	2.0
S-10	2.3
S-11	2.1
S-12	2.1
S-13	2.4
S-14	2.1

Notes:

Locations of suction risers can be found on attached Figure.

System details are included in Appendix B.

II. Fan Inspection

1. Operational?	Y	X	N	
2. Fan/Controls Clear of obstructions?	Y	X	N	
3. Rapair needs?	Y		N	X

A. Observations/comments:

Attach photographs as appropriate

III. Piping/Penetrations

1. Is piping intact? (Y) or N)
2. Are floor/wall penetrations sealed? (Y) or N)

If 'No' to either of the above, provide observations and describe corrective actions taken

B. Actions taken:

C. Recommended Maintenance/Repairs:

Do any of the pressure gages require repair or replacement? Y ___ N X

If so, indicate locations, and actions taken:

IV. Building Modifications: Have building modifications been made that could affect the operation of the SSD System? (Describe)

None at this time (KG)

Additional Comments:

Checked Condensation trap NO water at all (KG)

Report all maintenance/repair needs immediately to building facility manager

Sub-Slab Depressurization System

Inspection Checklist

Syracuse Label, 110 Luther Avenue, Liverpool, NY

Date: 5/23/12

Insepctors Name: Kevin GAGNON

Company: SYRLSP

Inspector Initials: KG

I. Pressure Readings

Suction Riser Identification	Pressure Reading (inWC)
S-1	3.0
S-2	3.0
S-3	5.5
S-4	5.0
S-5	3.5
S-6	3.0
S-7	2.0
S-8	4.5
S-9	2.0
S-10	2.4
S-11	2.2
S-12	2.3
S-13	2.4
S-14	2.2

Notes:

Locations of suction risers can be found on attached Figure.

System details are included in Appendix B.

II. Fan Inspection

1. Operational?	Y	X	N	____
2. Fan/Controls Clear of obstructions?	Y	X	N	____
3. Rapair needs?	Y	____	N	X

A. Observations/comments:

Attach photographs as appropriate

III. Piping/Penetrations

1. Is piping intact? (Y or N)
2. Are floor/wall penetrations sealed? (Y or N)

If 'No' to either of the above, provide observations and describe corrective actions taken

B. Actions taken:

C. Recommended Maintenance/Repairs:

Do any of the pressure gages require repair or replacement? Y ____ N X

If so, indicate locations, and actions taken:

IV. Building Modifications: Have building modifications been made that could affect the operation of the SSD System? (Describe)

NO - None at this time. (KG)

Additional Comments:

Checked condensation trap - NO water at all (KG)

Report all maintenance/repair needs immediately to building facility manager

Sub-Slab Depressurization System

Inspection Checklist

Syracuse Label, 110 Luther Avenue, Liverpool, NY

Date: 6/25/12

Insepctors Name: Kevin Gagnon

Company: SYRLSP

Inspector Initials: KG.

I. Pressure Readings

Suction Riser Identification	Pressure Reading (inWC)
S-1	3.0
S-2	2.9
S-3	5.5
S-4	4.9
S-5	3.2
S-6	2.9
S-7	2.0
S-8	4.5
S-9	1.9
S-10	2.1
S-11	2.1
S-12	2.1
S-13	2.3
S-14	2.1

Notes:

Locations of suction risers can be found on attached Figure.

System details are included in Appendix B.

II. Fan Inspection

1. Operational?	Y	X	N	___
2. Fan/Controls Clear of obstructions?	Y	X	N	___
3. Rapair needs?	Y	___	N	X

A. Observations/comments:

Attach photographs as appropriate

III. Piping/Penetrations

1. Is piping intact? (Y or N)
2. Are floor/wall penetrations sealed? (Y or N)

If 'No' to either of the above, provide observations and describe corrective actions taken

B. Actions taken:

C. Recommended Maintenance/Repairs:

Do any of the pressure gages require repair or replacement? Y ___ N X

If so, indicate locations, and actions taken:

IV. Building Modifications: Have building modifications been made that could affect the operation of the SSD System? (Describe)

No - None at this time

Additional Comments:

Checked Condensation trap - NO water

Report all maintenance/repair needs immediately to building facility manager

Sub-Slab Depressurization System

Inspection Checklist

Syracuse Label, 110 Luther Avenue, Liverpool, NY

Date: 7/30/12

Insepctors Name: Kevin Gannon

Company: SYRLSP

Inspector Initials: KG

I. Pressure Readings

Suction Riser Identification	Pressure Reading (inWC)
S-1	3.0
S-2	3.0
S-3	5.5
S-4	4.9
S-5	3.2
S-6	2.9
S-7	2.1
S-8	4.5
S-9	1.9
S-10	2.1
S-11	2.0
S-12	2.1
S-13	2.3
S-14	2.1

Notes:

Locations of suction risers can be found on attached Figure.

System details are included in Appendix B.

II. Fan Inspection

1. Operational? Y X N ___
2. Fan/Controls Clear of obstructions? Y X N ___
3. Rapair needs? Y ___ N X

A. Observations/comments:

Attach photographs as appropriate

III. Piping/Penetrations

1. Is piping intact? (Y or N)
2. Are floor/wall penetrations sealed? (Y or N)

If 'No' to either of the above, provide observations and describe corrective actions taken

B. Actions taken:

C. Recommended Maintenance/Repairs:

Do any of the pressure gages require repair or replacement? Y ___ N X

If so, indicate locations, and actions taken:

IV. Building Modifications: Have building modifications been made that could affect the operation of the SSD System? (Describe)

NO - None at this time KG

Additional Comments:

Checked condensation trap - NO Water KG

Report all maintenance/repair needs immediately to building facility manager

Sub-Slab Depressurization System

Inspection Checklist

Syracuse Label, 110 Luther Avenue, Liverpool, NY

Date: 8·31·12

Insepctors Name: Kevin Sayre

Company: Syr. Label Co

Inspector Initials: (KS)

I. Pressure Readings

Suction Riser Identification	Pressure Reading (inWC)
S-1	4.0
S-2	2.8
S-3	5.4
S-4	4.7
S-5	3.1
S-6	2.9
S-7	2.0
S-8	4.3
S-9	1.9
S-10	2.1
S-11	2.0
S-12	2.0
S-13	2.2
S-14	2.0

Notes:

Locations of suction risers can be found on attached Figure.

System details are included in Appendix B.

II. Fan Inspection

1. Operational? Y X N ____
2. Fan/Controls Clear of obstructions? Y X N ____
3. Rapair needs? Y ____ N X

A. Observations/comments:

Attach photographs as appropriate

III. Piping/Penetrations

1. Is piping intact? (Y or N)
2. Are floor/wall penetrations sealed? (Y or N)

If 'No' to either of the above, provide observations and describe corrective actions taken

B. Actions taken:

C. Recommended Maintenance/Repairs:

Do any of the pressure gages require repair or replacement? Y ____ N X

If so, indicate locations, and actions taken:

IV. Building Modifications: Have building modifications been made that could affect the operation of the SSD System? (Describe)

NO changes at this time. (KS)

Additional Comments:

Checked Condensation trap

Report all maintenance/repair needs immediately to building facility manager

Sub-Slab Depressurization System

Inspection Checklist

Syracuse Label, 110 Luther Avenue, Liverpool, NY

Date: 9.25.12

Insepctors Name: Kevin Gargano

Company: SYR LSP

Inspector Initials: KG

I. Pressure Readings

Suction Riser Identification	Pressure Reading (inWC)
S-1	2.9
S-2	2.8
S-3	5.4
S-4	4.8
S-5	3.2
S-6	2.9
S-7	2.1
S-8	4.5
S-9	2.1
S-10	2.2
S-11	2.0
S-12	2.1
S-13	2.3
S-14	2.1

Notes:

Locations of suction risers can be found on attached Figure.

System details are included in Appendix B.

II. Fan Inspection

1. Operational? Y ✓ N ___
2. Fan/Controls Clear of obstructions? Y X N ___
3. Rapair needs? Y ___ N X

A. Observations/comments:

Attach photographs as appropriate

III. Piping/Penetrations

1. Is piping intact? (Y or N)
2. Are floor/wall penetrations sealed? (Y or N)

If 'No' to either of the above, provide observations and describe corrective actions taken

B. Actions taken:

C. Recommended Maintenance/Repairs:

Do any of the pressure gages require repair or replacement? Y ___ N X

If so, indicate locations, and actions taken:

IV. Building Modifications: Have building modifications been made that could affect the operation of the SSD System? (Describe)

None at this time (KG)

Additional Comments:

Check condensation trap - NO water (KG)

Report all maintenance/repair needs immediately to building facility manager

Sub-Slab Depressurization System

Inspection Checklist

Syracuse Label, 110 Luther Avenue, Liverpool, NY

Date: 10-26-12

Insepctors Name: Kevin Gagnon

Company: SYRLSP

Inspector Initials: KG

I. Pressure Readings

Suction Riser Identification	Pressure Reading (inWC)
S-1	4.2
S-2	2.9
S-3	5.6
S-4	4.9
S-5	3.3
S-6	3.0
S-7	2.1
S-8	4.6
S-9	2.1
S-10	2.6
S-11	2.4
S-12	2.4
S-13	2.6
S-14	2.3

Notes:

Locations of suction risers can be found on attached Figure.

System details are included in Appendix B.

II. Fan Inspection

1. Operational?	Y	X	N	___
2. Fan/Controls Clear of obstructions?	Y	X	N	___
3. Rapair needs?	Y	___	N	X

A. Observations/comments:

Attach photographs as appropriate

III. Piping/Penetrations

1. Is piping intact? (Y or N)
2. Are floor/wall penetrations sealed? (Y or N)

If 'No' to either of the above, provide observations and describe corrective actions taken

B. Actions taken:

C. Recommended Maintenance/Repairs:

Do any of the pressure gages require repair or replacement? Y ___ N X

If so, indicate locations, and actions taken:

IV. Building Modifications: Have building modifications been made that could affect the operation of the SSD System? (Describe)

None at this time (KG)

Additional Comments:

Checked condensation trap - Nothing (KG)

Report all maintenance/repair needs immediately to building facility manager

Sub-Slab Depressurization System

Inspection Checklist

Syracuse Label, 110 Luther Avenue, Liverpool, NY

Date: 11-28-12

Insepctors Name: Kevin Gagnon

Company: SYRLSP

Inspector Initials: KG

I. Pressure Readings

Suction Riser Identification	Pressure Reading (inWC)
S-1	4.2
S-2	3.0
S-3	5.5
S-4	4.9
S-5	3.3
S-6	3.0
S-7	2.1
S-8	4.6
S-9	2.1
S-10	2.6
S-11	2.4
S-12	2.4
S-13	2.6
S-14	2.3

Notes:

Locations of suction risers can be found on attached Figure.

System details are included in Appendix B.

II. Fan Inspection

1. Operational?	Y	X	N	___
2. Fan/Controls Clear of obstructions?	Y	X	N	___
3. Rapair needs?	Y	___	N	X

A. Observations/comments:

Attach photographs as appropriate

III. Piping/Penetrations

1. Is piping intact? (Y or N)
2. Are floor/wall penetrations sealed? (Y or N)

If 'No' to either of the above, provide observations and describe corrective actions taken

B. Actions taken:

C. Recommended Maintenance/Repairs:

Do any of the pressure gages require repair or replacement? Y ___ N X

If so, indicate locations, and actions taken:

IV. Building Modifications: Have building modifications been made that could affect the operation of the SSD System? (Describe)

None at this time (KG)

Additional Comments:

Checked Condensation tray - Nothing (KG)

Report all maintenance/repair needs immediately to building facility manager

Sub-Slab Depressurization System

Inspection Checklist

Syracuse Label, 110 Luther Avenue, Liverpool, NY

Date: 12-28-12

Insepctors Name: Kevin Gagnon

Company: SyrISp

Inspector Initials: (KG)

I. Pressure Readings

Suction Riser Identification	Pressure Reading (inWC)
S-1	3.4
S-2	3.0
S-3	5.7
S-4	5.0
S-5	~~5.7~~ 3.4
S-6	3.0
S-7	2.1
S-8	4.7
S-9	2.3
S-10	3.0
S-11	2.9
S-12	3.0
S-13	3.2
S-14	2.9

Notes:

Locations of suction risers can be found on attached Figure.

System details are included in Appendix B.

II. Fan Inspection

1. Operational?	Y	X	N	___
2. Fan/Controls Clear of obstructions?	Y	X	N	___
3. Rapair needs?	Y	___	N	X

A. Observations/comments:

Attach photographs as appropriate

III. Piping/Penetrations

1. Is piping intact? (Y or N)
2. Are floor/wall penetrations sealed? (Y or N)

If 'No' to either of the above, provide observations and describe corrective actions taken

B. Actions taken:

C. Recommended Maintenance/Repairs:

Do any of the pressure gages require repair or replacement? Y ___ N X

If so, indicate locations, and actions taken:

IV. Building Modifications: Have building modifications been made that could affect the operation of the SSD System? (Describe)

None @ this time (KG)

Additional Comments:

Checked Condensation trap. - Nothing (KG)

Sub-Slab Depressurization System

Inspection Checklist

Syracuse Label, 110 Luther Avenue, Liverpool, NY

Date: 1/31/13

Insepctors Name: Kevin Gagnon

Company: SYRLSP

Inspector Initials: KG

I. Pressure Readings

Suction Riser Identification	Pressure Reading (inWC)
S-1	3.2
S-2	3.1
S-3	5.9
S-4	5.0
S-5	3.5
S-6	3.1
S-7	2.2
S-8	5.1
S-9	2.9
S-10	4.0
S-11	4.5
S-12	4.0
S-13	4.0
S-14	3.5

Notes:

Locations of suction risers can be found on attached Figure.

System details are included in Appendix B.

II. Fan Inspection

1. Operational? Y X N ___
2. Fan/Controls Clear of obstructions? Y X N ___
3. Rapair needs? Y ___ N X

A. Observations/comments:

Attach photographs as appropriate

III. Piping/Penetrations

1. Is piping intact? (Y or N)
2. Are floor/wall penetrations sealed? (Y or N)

If 'No' to either of the above, provide observations and describe corrective actions taken

B. Actions taken:

C. Recommended Maintenance/Repairs:

Do any of the pressure gages require repair or replacement? Y ___ N X

If so, indicate locations, and actions taken:

IV. Building Modifications: Have building modifications been made that could affect the operation of the SSD System? (Describe)

None at this time (KG)

Additional Comments:

Checked condensation trap - NO water (KG)

Sub-Slab Depressurization System

Inspection Checklist

Syracuse Label, 110 Luther Avenue, Liverpool, NY

Date: 2/28/13

Insepctors Name: Kevin Gagnon

Company: SVRLSP

Inspector Initials: KG

I. Pressure Readings

Suction Riser Identification	Pressure Reading (inWC)
S-1	3.6
S-2	3.4
S-3	6.2
S-4	5.5
S-5	4.1
S-6	3.6
S-7	2.5
S-8	6.0
S-9	4.5
S-10	4.5
S-11	4.1
S-12	4.2
S-13	4.5
S-14	4.2

Notes:

Locations of suction risers can be found on attached Figure.

System details are included in Appendix B.

II. Fan Inspection

1. Operational? Y X N ___

2. Fan/Controls Clear of obstructions? Y X N ___

3. Rapair needs? Y ___ N X

A. Observations/comments:

Attach photographs as appropriate

B. Actions taken:

C. Recommended Maintenance/Repairs:

III. Piping/Penetrations

1. Is piping intact? (Y) or N)

2. Are floor/wall penetrations sealed? (Y) or N)

If 'No' to either of the above, provide observations and describe corrective actions taken

Do any of the pressure gages require repair or replacement? Y ___ N X

If so, indicate locations, and actions taken:

IV. Building Modifications: Have building modifications been made that could affect the operation of the SSD System? (Describe)

None at this time

Comments: water (KG)

Sub-Slab Depressurization System

Inspection Checklist

Syracuse Label, 110 Luther Avenue, Liverpool, NY

Date: 3/25/13

Insepctors Name: Kevin Gorman

Company: SYRLSP

Inspector Initials: KG

I. Pressure Readings

Suction Riser Identification	Pressure Reading (inWC)
S-1	3.2
S-2	3.0
S-3	5.6
S-4	5.0
S-5	3.4
S-6	3.1
S-7	2.1
S-8	4.5
S-9	2.1
S-10	2.9
S-11	2.7
S-12	2.6
S-13	2.9
S-14	2.9

Notes:

Locations of suction risers can be found on attached Figure.

System details are included in Appendix B.

II. Fan Inspection

1. Operational? Y X N ___
2. Fan/Controls Clear of obstructions? Y X N ___
3. Rapair needs? Y ___ N X

A. Observations/comments:

Attach photographs as appropriate

III. Piping/Penetrations

1. Is piping intact? (Y) or N)
2. Are floor/wall penetrations sealed? (Y) or N)

If 'No' to either of the above, provide observations and describe corrective actions taken

B. Actions taken:

C. Recommended Maintenance/Repairs:

Do any of the pressure gages require repair or replacement? Y ___ N X

If so, indicate locations, and actions taken:

IV. Building Modifications: Have building modifications been made that could affect the operation of the SSD System? (Describe)

None at this time (KG)

Additional Comments:

Opened Condensation trap- NO water (KG)

Sub-Slab Depressurization System

Inspection Checklist

Syracuse Label, 110 Luther Avenue, Liverpool, NY

Date: 4/30/13

Insepctors Name: KG

Company: SYRLSP

Inspector Initials: KG

I. Pressure Readings

Suction Riser Identification	Pressure Reading (inWC)
S-1	3.1
S-2	3.0
S-3	5.5
S-4	5.0
S-5	3.4
S-6	3.1
S-7	2.1
S-8	4.5
S-9	2.1
S-10	2.5
S-11	2.4
S-12	2.4
S-13	2.6
S-14	2.5

Notes:

Locations of suction risers can be found on attached Figure.

System details are included in Appendix B.

II. Fan Inspection

1. Operational?	Y	✓	N	___
2. Fan/Controls Clear of obstructions?	Y	X	N	___
3. Rapair needs?	Y	___	N	✓

A. Observations/comments:

Attach photographs as appropriate

III. Piping/Penetrations

1. Is piping intact? (Y or N)
2. Are floor/wall penetrations sealed? (Y or N)

If 'No' to either of the above, provide observations and describe corrective actions taken

B. Actions taken:

C. Recommended Maintenance/Repairs:

Do any of the pressure gages require repair or replacement? Y ___ N X

If so, indicate locations, and actions taken:

IV. Building Modifications: Have building modifications been made that could affect the operation of the SSD System? (Describe)

None at this time - (MW-17 drilling) (KG)

Additional Comments: Checked Condensation trap - NO water. KG

Sub-Slab Depressurization System

Inspection Checklist

Syracuse Label, 110 Luther Avenue, Liverpool, NY

Date: 5/30/13

Insepctors Name: Kevin Gannon

Company: Sitelogic

Inspector Initials: KG

I. Pressure Readings

Suction Riser Identification	Pressure Reading (inWC)
S-1	3.2
S-2	3.1
S-3	6.5
S-4	5.0
S-5	3.4
S-6	3.1
S-7	2.0
S-8	~~2.3~~ 5.0
S-9	2.3
S-10	4.5
S-11	4.0
S-12	4.2
S-13	4.5
S-14	4.5

Notes:

Locations of suction risers can be found on attached Figure.

System details are included in Appendix B.

II. Fan Inspection

1. Operational? Y X N ___
2. Fan/Controls Clear of obstructions? Y X N ___
3. Rapair needs? Y ___ N X

A. Observations/comments:

Attach photographs as appropriate

III. Piping/Penetrations

1. Is piping intact? (Y) or N)
2. Are floor/wall penetrations sealed? (Y) or N)

If 'No' to either of the above, provide observations and describe corrective actions taken

B. Actions taken:

C. Recommended Maintenance/Repairs:

Do any of the pressure gages require repair or replacement? Y ___ N X
If so, indicate locations, and actions taken:

IV. Building Modifications: Have building modifications been made that could affect the operation of the SSD System? (Describe)

NONE @ this time (MW 17 drilling) KG

Additional Comments:

Checked Condensation trap - NO water KG

Report all maintenance/repair needs immediately to building facility manager

Sub-Slab Depressurization System

Inspection Checklist

Syracuse Label, 110 Luther Avenue, Liverpool, NY

Date: 6/18/13

Insepctors Name: Kevin Gaynor

Company: Syr. Label Co

Inspector Initials: KG

I. Pressure Readings

Suction Riser Identification	Pressure Reading (inWC)
S-1	3.4
S-2	3.2
S-3	5.8
S-4	5.1
S-5	3.6
S-6	3.2
S-7	2.2
S-8	5.0
S-9	2.5
S-10	4.5
S-11	4.2
S-12	4.5
S-13	4.5
S-14	4.5

Notes:

Locations of suction risers can be found on attached Figure.

System details are included in Appendix B.

II. Fan Inspection

1. Operational? Y ✓ N ___
2. Fan/Controls Clear of obstructions? Y ✓ N ___
3. Rapair needs? Y ___ N ✓

A. Observations/comments:

Attach photographs as appropriate

III. Piping/Penetrations

1. Is piping intact? (Y or N)
2. Are floor/wall penetrations sealed? (Y or N)

If 'No' to either of the above, provide observations and describe corrective actions taken

B. Actions taken:

C. Recommended Maintenance/Repairs:

Do any of the pressure gages require repair or replacement? Y ___ N ✓

If so, indicate locations, and actions taken:

IV. Building Modifications: Have building modifications been made that could affect the operation of the SSD System? (Describe)

Still drilling in MW-17

Additional Comments:

Checked condensation trap - NO water (KG)

Report all maintenance/repair needs immediately to building facility manager

Appendix D - Approval Notifications for EQuIS Database Submittals

Ian McNamara

From: NYENVDATA <NYENVDATA@gw.dec.state.ny.us>
Sent: Monday, November 05, 2012 2:00 PM
To: Ian McNamara
Cc: Christopher Mannes
Subject: Re: BCP Site #C734118 Groundwater Sampling EDD's

Data Provider,

Thank you for your EDD submittals. NYSDEC has successfully uploaded the EDDs "20121003 1350.C734118.NYSDEC.zip" and "20121003 1353.C734118.NYSDEC.zip" and the data is ready for use.

Thank you,
Aaron
NYSDEC EIMS Team

>>> Ian McNamara <Ian.McNamara@ghd.com> 10/5/2012 10:32 AM >>>
Hi,
Attached are 2 EDD's for the above referenced site. These EDD's are for 3rd Quarter 2012 Groundwater Sampling activities.
Thanks,

Ian McNamara
Environmental Scientist

GHD
T: 1 315 314 5661 | M: 1 315 368 8432 | E: ian.mcnamara@ghd.com
301 Plainfield Road Suite 180 Syracuse New York 13212 USA | www.ghd.com
WATER | ENERGY & RESOURCES | ENVIRONMENT | PROPERTY & BUILDINGS | TRANSPORTATION

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Ian McNamara

From: NYENVDATA <NYENVDATA@gw.dec.state.ny.us>
Sent: Thursday, November 08, 2012 2:56 PM
To: Ian McNamara
Cc: Christopher Mannes; Eric Hausamann
Subject: Re: 2nd Quarter 2012 Groundwater Monitoring EDD for BCP#C734118

Ian,

Thank you for your EDD submittals. NYSDEC has successfully uploaded the EDDs "20120718 1457.C734118.NYSDEC.zip" and "20120718 1502.C734118.NYSDEC.zip". The data is ready for use.

Thank you,
Aaron
NYSDEC EIMS Team

>>> <Ian.McNamara@ghd.com> 7/18/2012 3:06 PM >>>
Hi,
Attached are 2 EDDs for the above referenced Site. They are split into a field results and a sample results EDD. Please let me know if these need any edits to be acceptable.
Thanks,

Ian McNamara
Environmental Scientist

GHD
T: 1 315 314 5661 | M: 1 315 368 8432 | E: ian.mcnamara@ghd.com
301 Plainfield Road Suite 180 Syracuse New York 13212 USA | www.ghd.com

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Ian McNamara

From: NYENVDATA <NYENVDATA@gw.dec.state.ny.us>
Sent: Monday, January 28, 2013 12:12 PM
To: Ian McNamara
Cc: Christopher Mannes
Subject: RE: BCP Site #C734118 Groundwater Sampling EDD's

Ian,

Thank you for your EDD resubmission. NYSDEC has successfully uploaded the EDD "20130122 1412.C734118.NYSDEC.zip" and the data is ready for use.

Aaron
NYSDEC EIMS Team

>>> Ian McNamara <Ian.McNamara@ghd.com> 1/22/2013 2:22 PM >>>
Hi,
Attached is the revised EDD with the additional sample locations.
Your proposed solutions to the 2 issues outlined below are acceptable to me. Is there anything that I need to do to allow for these solutions, such as fixing them in my EDDs and resubmitting?
Thanks,

Ian McNamara
Environmental Scientist

Please note my new telephone (T) number and address.

GHD
T: 1 315 679 5732 | M: 1 315 368 8432 | V: 865732 | E: ian.mcnamara@ghd.com
One Remington Park Drive Cazenovia New York 13035 USA | www.ghd.com
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From: NYENVDATA [mailto:NYENVDATA@gw.dec.state.ny.us]
Sent: Tuesday, January 22, 2013 1:48 PM
To: Ian McNamara
Cc: Christopher Mannes
Subject: Re: BCP Site #C734118 Groundwater Sampling EDD's

Ian,

NYSDEC has encountered some errors while reviewing your data packages "20130110 1035.C734118.NYSDEC.zip" and "20130110 1036.C734118.NYSDEC.zip" with the EQuIS Data Processor application available here: http://www.earthsoft.com/products/edp/edp-format-for-nysdec/ to all data providers. These errors include:

- Missing Locations: The WaterLevel table refers to the following locations which have not been loaded into the database with previous EDDs: 'MW-14' 'MW-15' 'MW-16' 'MW-3' and 'MW-5'. Please provide a location table with the location data for these locations with your resubmission. To avoid error messages, you may choose to include all locations referenced by the WaterLevel table, but if you choose to include only the locations referenced above, we can provide the rest of the location data.

Please review these errors and resubmit your EDD for upload into the NYSDEC database. Please do not hesitate to contact us with any questions. Also, for future reference, here is the link for the updated EDD Manual:

http://www.dec.ny.gov/docs/remediation_hudson_pdf/eddmanual.pdf, and the link for the main EDD instruction page: http://www.dec.ny.gov/chemical/62440.html.

In addition to reviewing the currently submitted EDDs, the EIMS team is also responsible for conducting reviews of the overall data, within the EQuIS database, for each facility. This is to ensure that the data previously loaded into the system is indeed correct and is able to properly generate reports.

In reviewing the facility C734118 we have noticed some QAQC items that may need some more attention before we load any future data. Below, please find a list of the issues we are finding as well as how we would like to resolve them.

1. Issue 1: The Sample Name field is inconsistently populated in our database.
    - Solution: Where the Sample Name field is unpopulated, we would populate it with the sys loc code.
2. Issue 2: The Column Number field is inconsistently populated in the database
    - Solution: Where the Column Number is unpopulated from previous EDD submissions, we would populate the field with the value 'NA'.

We would really appreciate discussing these changes with you, but if you agree with these proposed corrections and have no further concerns, please let us know and we will move forward on these changes. Thank you so much for your time and cooperation throughout this process.

Sincerely,
Aaron
NYSDEC EIMS Team

>>> Ian McNamara <Ian.McNamara@ghd.com> 1/10/2013 10:40 AM >>>
Hi,
Attached are 2 EDD's for the above referenced site. These EDD's are for 4th Quarter 2012 Groundwater Sampling activities.
Thanks,

Ian McNamara
Environmental Scientist

Please note my new telephone (T) number and address.

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Ian McNamara

From: NYENVDATA <NYENVDATA@gw.dec.state.ny.us>
Sent: Thursday, March 21, 2013 1:53 PM
To: Ian McNamara
Cc: Christopher Mannes
Subject: Re: BCP #C734118 EDDs Resubmitted due to QAQC issues identified by EIMS Team

Ian, Chris,

We of the EIMS Team actually expected to be contacted by the PM before we all worked to resolve the issues present in the database.

The EDD review process has evolved over time, and NYSDEC decided in the fall that the database's information should, where possible, match the quality standards we hold for incoming EDDs. We proposed solutions for each of the issues associated with the 110 Luther Ave. Site – none of our proposed solutions, in the e-mail you both read, necessarily required a resubmission of EDDs. That said, we appreciate the lengths you went to in order to produce these resubmissions, especially as they appear to be in line with our present QC standards. The only issue your EDDs do not address is that of the Location Name field in the DT_LOCATION table. We have taken this thread, from us, to the PM, to you, and back to us, as confirmation that we should populate the loc name fields in the database with the values from the sys loc code fields.

As I noted above, the EDDs are in line with our present QC standards, and have therefore been successfully loaded. The data from the EDDs "20130305 1323.C734118.NYSDEC.zip" "20130305 1451.C734118.NYSDEC.zip" "20130305 1505.C734118.NYSDEC.zip" "20130305 1556.C734118.NYSDEC.zip" "20130305 1606.C734118.NYSDEC.zip" and "20130305 1646.C734118.NYSDEC.zip" have been successfully loaded and have replaced related data in the database. The data is ready for use.

Thank you,
Aaron
NYSDEC EIMS Team

>>> Ian McNamara <Ian.McNamara@ghd.com> 3/5/2013 4:59 PM >>>
Hi,
Attached are the EDD's that are being resubmitted with the additional information requested in an e-mail forwarded to me from Chris Mannes on Thursday February 21, 2013.
The e-mail had a subject line of *110 Luther Ave. Site, C734118* and consisted of QAQC issues identified by the EIMS team. These issues were updated on the attached EDD's. The attached EDD's are the only ones provided by GHD that had errors. Any other EDD's submitted for this site were submitted by another consultant.

I am assuming that this information was not required in the initial EDD's since they were uploaded and ready for use when I initially submitted them. Could you please provide me with an explanation as to why the additional information is required for historically submitted EDD's? Our client is going to question why we are billing additional time to something that was thought to already be completed.

Please let me know if you need anything else.

Thanks,
Ian McNamara
Environmental Scientist

Please note my new telephone (T) number and address.

GHD
T: 1 315 679 5732 | M: 1 315 368 8432 | V: 865732 | E: ian.mcnamara@ghd.com
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Ian McNamara

From: NYENVDATA <NYENVDATA@gw.dec.state.ny.us>
Sent: Thursday, June 27, 2013 5:26 PM
To: Ian McNamara
Cc: Christopher Mannes
Subject: Re: EDD's for BCP Site #C734118

Ian,

First, thank you for dividing the EDDs by section. Because of this step, we were able to successfully load the EDD "20130624 1516.C734118.NYSDEC.zip" with the FieldActivities section. That data is in the database and ready for use.

However, there were some issues with the EDD "20130624 1514.C734118.NYSDEC.zip" which, while they do not arise as errors in EDP, will create problems during the reporting process. These items include:

- Sample Type Codes: The sample type codes for samples must reflect their nature. The sample types for the samples DUPLICATE_03/28/13, TRIP BLANK_03/28/13, and TRIP BLANK_03/29/13 must be revised. These are not normal samples, they are duplicate and trip blank samples, therefore their sample types should be revised to FD for 'Field Duplicate', and TB for Trip Blank. Moreover, The location code references for these samples are unnecessary – which is handy, because we are obliged to reject location data for location codes like 'DUPLICATE' or 'TRIP BLANK' in the first place.

Because of the above issues, we are unable to load the data into the database. Please review these errors, revise the EDD, check it in EDP, and resubmit your EDD for upload into the NYSDEC database. Please do not hesitate to contact us with any questions. Also, for future reference, here is the link for the updated EDD Manual: http://www.dec.ny.gov/docs/remediation_hudson_pdf/eddmanual.pdf, and the link for the main EDD instruction page: http://www.dec.ny.gov/chemical/62440.html.

Thank you,
Aaron
NYSDEC EIMS Team

>>> Ian McNamara <Ian.McNamara@ghd.com> 6/24/2013 4:54 PM >>>
Hello,
The attached files are EDD's related to 1st Quarter 2013 sampling conducted at the 110 Luther Avenue BCP Site (BCP Site #C734118).
Please let me know if they need any edits.
Thanks,
Ian

Ian McNamara
Environmental Scientist

Please note my new telephone (T) number and address.

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Ian McNamara

From: NYENVDATA <NYENVDATA@gw.dec.state.ny.us>
Sent: Tuesday, July 09, 2013 1:13 PM
To: Ian McNamara
Cc: Christopher Mannes
Subject: RE: EDD's for BCP Site #C734118

CompleteRepository: 861494104
Description: Syracuse Label 2013 Groundwater Monitoring
JobNo: 14941
OperatingCentre: 86
RepoEmail: 8614941@ghd.com
RepoType: Job
SubJob: 04

Ian,

Thank you for your EDD submission. NYSDEC has successfully uploaded the EDD "20130701 1506.C734118.NYSDEC.zip" and the data is ready for use.

Aaron
NYSDEC EIMS Team

>>> Ian McNamara <Ian.McNamara@ghd.com> 7/1/2013 3:08 PM >>>
Hello,
Attached is the revised EDD for BCP Site #C734118. Please let me know if there are any other issues.
Thanks,
Ian

Ian McNamara
Environmental Scientist

Please note my new telephone (T) number and address.

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From: NYENVDATA [mailto:NYENVDATA@gw.dec.state.ny.us]
Sent: Thursday, June 27, 2013 5:26 PM
To: Ian McNamara
Cc: Christopher Mannes
Subject: Re: EDD's for BCP Site #C734118

Ian,

First, thank you for dividing the EDDs by section. Because of this step, we were able to successfully load the EDD "20130624 1516.C734118.NYSDEC.zip" with the FieldActivities section. That data is in the database and ready for use.

However, there were some issues with the EDD "20130624 1514.C734118.NYSDEC.zip" which, while they do not arise as errors in EDP, will create problems during the reporting process. These items include:

- Sample Type Codes: The sample type codes for samples must reflect their nature. The sample types for the samples DUPLICATE_03/28/13, TRIP BLANK_03/28/13, and TRIP BLANK_03/29/13 must be revised. These are not normal samples, they are duplicate and trip blank samples, therefore their sample types should be revised to FD for 'Field Duplicate', and TB for Trip Blank. Moreover, The location code references for these samples are unnecessary – which is handy, because we are obliged to reject location data for location codes like 'DUPLICATE' or 'TRIP BLANK' in the first place.

Because of the above issues, we are unable to load the data into the database. Please review these errors, revise the EDD, check it in EDP, and resubmit your EDD for upload into the NYSDEC database. Please do not hesitate to contact us with any questions. Also, for future reference, here is the link for the updated EDD Manual: http://www.dec.ny.gov/docs/remediation_hudson_pdf/eddmanual.pdf, and the link for the main EDD instruction page: http://www.dec.ny.gov/chemical/62440.html.

Thank you,
Aaron
NYSDEC EIMS Team

>>> Ian McNamara <Ian.McNamara@ghd.com> 6/24/2013 4:54 PM >>>
Hello,
The attached files are EDD's related to 1st Quarter 2013 sampling conducted at the 110 Luther Avenue BCP Site (BCP Site #C734118).
Please let me know if they need any edits.
Thanks,
Ian

Ian McNamara
Environmental Scientist

Please note my new telephone (T) number and address.

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