

## **Periodic Review Report 2015**

299 MAIN STREET WESTBURY, NEW YORK Site # 130043S

August 2015

Prepared for: 299 Main Street LLC & 19 Liberty, Ltd. 299 Main Street Westbury, NY11590

Prepared by:

CA RICH Consultants, Inc. 17 Dupont Street Plainview, NY 11803



August 12, 2015

**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION** 

DIVISION OF ENVIRONMENTAL REMEDIATION Bureau of Eastern Remedial Action 625 Broadway, 11<sup>th</sup> Floor Albany, New York 12233-7015

Attention: Joseph Jones, Project Manager

Remedial Section A

Re: Periodic Review Report 2015

299 Main Street Westbury, NY Site # 130043S

Dear Mr. Jones:

Enclosed please find the Periodic Review Report for 2015 for the above-referenced location. If you have any questions pertaining to this report, please feel free to contact the undersigned.

Respectfully Submitted,

CA RICH Consultants, Inc.

Richard J. Izzo, CPG Senior Associate

CC:

Alex Holuka



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#### CERTIFICATION

This certification is made on behalf of 299 Main Street, LLC for the property located at 299 Main Street in North Hempstead, New York (hereinafter referred to as the "Site") Site #130043S.

For each institutional control identified for the site, I certify that all of the following statements are true:

- (a) the institutional controls employed at this site are unchanged from the date the control was put in place, or last approved by DER;
- (b) nothing has occurred that would impair the ability of such control to protect public health and the environment;
- (c) nothing has occurred that would constitute a violation or failure to comply with any Site Management Plan for this control;
- (d) access to the site will continue to be provided to DER to evaluate the remedy, including access to evaluate the continued maintenance of this control;

AIPG Certificate No. 9644

8/12/15

**QEP** Certification

Date

Signature





#### **EXECUTIVE SUMMARY**

The following Periodic Review Report (PRR) has been prepared by CA RICH Consultants, Inc. (CA RICH) on behalf of 299 Main Street, LLC and 19 Liberty, Ltd. (the Owners) for property located at 299 Main Street in North Hempstead, New York (hereinafter referred to as "Site"). This document was prepared in accordance with the Site Management Plan dated August 2015 for Site #130043S.

The site is located in the Village of Westbury, Town of North Hempstead, County of Nassau, New York and is identified as Block 144 and Lot 34-46 on the Town of North Hempstead, County of Nassau Tax Map. The site is an approximately 0.689-acre area bounded by a salvage yard to the north, Main Street to the south, Hopper Street to the east, and Garden Street to the west. The site was initially developed around 1956 with a single-story, steel frame, masonry building. The site has been used for light industrial applications, including automotive repair, automotive storage, automotive sales, automotive salvage and bulk petroleum transportation. Former occupants include Mid-Island Transit, Crestwood Bus Service, Asphalt Petroleum, Island Transportation Corp., Frank's Used Auto, Jarrid Limo Service, Sam-Ton Salvage, Scibelli Automotive and One Stop Auto & Truck Center (COLE, 1971-1999). Island Transportation Corp. has been identified as having been a RCRA hazardous waste generator (NYD0205766898) and the site has also been listed on Petroleum Spill Logs for the release of waste oil, anti-freeze, and other unknown petroleum products to the ground surface due to poor housekeeping practices. The site is listed in the NCDH Industrial Chemical Survey. The survey, completed in 1977, indicated that the former occupant Island Transportation Corp. used 80 gallons of trichloroethane (TCA) per year. The TCE was used to coat the inside of bituminous asphalt cement tank trucks on the east side of the site. A United States Geological Survey (USGS) topographical quadrangle map illustrating the Site location is enclosed as Figure 1. A Site Plan is enclosed as Figure 2.

The Site is currently used as offices, warehouse space, a machine shop and exterior materials/vehicle storage yard for Padilla Construction Services Inc.

A Final Focused Remedial Investigation (RI) was conducted at the Site in 2000 by Impact Environmental (Ref. 1). The RI identified five areas of concern: Underground Injection Well (UIW) "drywell" located north of eastern garage bay, Underground Storage Tanks (USTs), easternmost Interior abandoned vehicle service pit, westernmost interior abandoned vehicle service pit, and soil vapor.



#### 1.0 INTRODUCTION

The following PRR has been prepared by CA RICH Consultants, Inc. (CA RICH) on behalf of 299 Main Street, LLC and 19 Liberty, Ltd. for the property located at 299 Main Street in North Hempstead, New York (hereinafter referred to as "Site"). This document was prepared in accordance with the Site Management Plan dated August 2015.

### 1.1 Site Description

The site is located in the Village of Westbury, Town of North Hempstead, County of Nassau, New York and is identified as Block 144 and Lot 34-46 on the Town of North Hempstead, County of Nassau Tax Map. The site is an approximately 0.689-acre area bounded by a salvage yard to the north, Main Street to the south, Hopper Street to the east, and Garden Street to the west. The Site is located in an area consisting of commercial and industrial use.

#### 1.2 Current Site Usage

The Site is currently used as offices, warehouse space, a machine shop and exterior materials/vehicle storage yard for Padilla Construction Services Inc.

## 2.0 SITE HISTORY

The site was initially developed around 1956 with a single-story, steel frame, masonry building. The site has been used for light industrial applications, including automotive repair, automotive storage, automotive sales, automotive salvage and bulk petroleum transportation. Former occupants include Mid-Island Transit, Crestwood Bus Service, Asphalt Petroeum, Island Transportation Corp., Frank's Used Auto, Jarrid Limo Service, Sam-Ton Salvage, Scibelli Automotive and One Stop Auto & Truck Center (COLE, 1971-1999). Island Transportation Corp. has been identified as having been a RCRA hazardous waste generator (NYD0205766898) and the site has also been listed on Petroleum Spill Logs for the release of waste oil, anti-freeze, and other unknown petroleum products to the ground surface due to poor housekeeping practices. The site is listed in the NCDH Industrial Chemical Survey. The survey, completed in 1977, indicated that the former occupant Island Transportation Corp. used 80 gallons of trichloroethane (TCA) per year. The TCE was used to coat the inside of bituminous asphalt cement tank trucks on the east side of the site.

Records on file with the Town of North Hempstead Assessors Office indicated the following ownership history:

- 1956 Micheal Polezzo and Frank Scappatura, subsequently transferred to Frank Scappy Associates, Inc. f/k/a FSR Realty Group.
- 1977 Frank Scappy Associates, Inc. f/k/a FSR Realty Group Frank Scappatura.
- 1994 Frank Scappatura, 2632 Realty Development Corp.
- 1996 2632 Realty Development Corp. Nicolia Industries.
- 1998 Nicolia Industries 2632 Realty Development Corp.

The following documents summarize previous investigations conducted at this Site and should be used as references:

- REF. 1: Final Focused Remedial Investigation Report; prepared by Impact Environmental, September 2000.
- REF. 2: Final Draft Interim Remedial Measures Work Plan; prepared by Impact Environmental, April 2002.
- REF. 3: Interim Remedial Measures Report Part A; prepared by CA RICH Consultants, Inc. June 16, 2006.
- REF. 4: Interim Remedial Measures Report Part B; Final Engineering Report and Operations, Maintenance & Monitoring Plan for the On-site Soil Vapor Extraction System; prepared by CA RICH Consultants, Inc., September 13, 2007.
- REF. 5: Final Summary Report Onsite Sanitary System Cleanout and Abandonment; prepared by CA RICH Consultants, Inc., July 8, 2008.

As part of the IRM activities completed at the site, the following mechanical equipment associated with SVE system was installed aboveground and inside the SVE system equipment room: a 55-gallon soil vapor moisture knock-out drum, a regenerative vacuum blower, two 180-gallon carbon drums, an electrical panel box and all associated 2-inch PVC pipework, valves and fittings. This

system was operated from 2007 through 2011 and was shut down and decommissioned following receipt of NYSDEC approval following successful cleanup of on-site soil contamination.

The below ground equipment located in the eastern rear area of the yard that is associated with SVE system include: four soil vapor extraction wells and associated manway access vaults installed flush to grade, two soil vapor monitoring points and associated protective curb boxes, and all associated 2-inch PVC pipework, valves and fittings.

Currently, there are three groundwater monitoring wells located on the site. Groundwater monitoring was performed on the site on a quarterly basis until 2011. It is anticipated that these wells will remain intact and functional for the purposes of collecting regional groundwater flow data and chemical analysis of groundwater samples if necessary. The location of the groundwater monitoring wells is illustrated in Figure 2.

#### Soil

As described in the FRI report (Ref. 1), soil samples were collected to characterize the nature and extent of contamination. The soil samples were collected using the Geoprobe® sampling methodology. The majority of soil contamination detected on-site was identified at depths greater than twelve feet below the ground surface near the three abandoned underground storage tanks and the underground injection well formerly connected to the wash bay on the eastern side of the building. These areas are illustrated as "Point Source" locations PS-1 and PS-5 and were impacted with chlorinated organic compounds along with gasoline and diesel related compounds and some metals (beryllium, cadmium, copper, nickel vanadium and zinc).

#### Groundwater

As described in the FRI report (Ref. 1), groundwater samples were collected to characterize the nature and extent of on-site groundwater contamination. The groundwater samples were collected using the Geoprobe® sampling methodology. Groundwater flow direction across the site was confirmed to flow in a southwesterly direction. The FRI identified that impact to groundwater was limited to chlorinated organic compounds and BTEX.

The completion of the FRI demonstrated and concluded the point pollution sources for chlorinated organic solvents identified under the scope of the FRI had not impacted the environmental quality

of groundwater. This was demonstrated by the following facts obtained through the completion of the FRI.

- Based upon information compiled in the Site Background Study and Site Visit aspect of the FRI, there was no direct evidence that chlorinated organic solvents were ever discharged to the site via a point pollution source;
- The soil beneath point pollution sources PS-2, PS-3, and PS-4 were tested and found to contain nominal concentrations of chlorinated target analytes (below applicable SCGs);
- The soil beneath point pollution source PS-1 was tested and found to contain concentrations of chlorinated target analytes above applicable SCGs. However, it was found that the concentrations were below applicable SCGs at 30 and 45 feet below ground surface;
- Groundwater beneath each point pollution source was tested and found free of any detectable concentrations of chlorinated organic target analytes.

The completion of the FRI demonstrated and concluded that groundwater downgradient of point pollution source PS-5 and non-point pollution source PS-8 was impacted with gasoline related target analytes (BTEX). An on-site groundwater monitoring program was initiated in May 2009 and included quarterly monitoring of the existing monitoring wells MW-1, MW-2 and MW-3 (see Figure 2) for two years. The results of the groundwater monitoring program are summarized on Table 1, and indicate that while low levels of some VOCs remain in underlying groundwater, no further action is warranted.

#### **Site-Related Soil Vapor Intrusion**

Based upon the results of the FRI which indicated VOC contamination at depths greater than twelve feet below the ground surface in soil associated with the abandoned underground storage tanks (PS-5) and the UIW (PS-1), these areas were targeted for remediation through soil removal and the installation and full-time operation of a SVE system to remediate residual VOCs and SVOCs in these exterior areas at the site. Therefore, a soil vapor intrusion study was not conducted at the site.

## **Underground Storage Tanks**

During the FRI, a total of three underground storage tanks were identified on the site. This included an approximate 8,500-gallon gasoline tank, one 1,000-gallon fuel oil tank and one 550-

gallon waste oil tank. The tanks are identified as pollution source PS-5. There were also two empty and out-of-service 275-gallon aboveground storage tanks located behind the site building.

The removal of the 8,500-gallon gasoline tank occurred without incident and there was no evidence of contamination. The representative from NCDH authorized the backfilling of the tank excavation. However, during the removal of the fuel and waste oil tanks petroleum impacted soil was encountered. NYSDEC Region I Stony Brook offices were notified and spill number 04-25135 was generated. The tank excavation was advanced until the surrounding soil appeared visually clean. The south sidewall abutting the building and the bottom of the excavation was advanced as far as could be without compromising the footing and wall of the building before excavation endpoint soil samples were collected from four sidewalls and bottom. The excavation was then backfilled with clean imported sand to stabilize the building. Approximately 135 tons of impacted soil was characterized as a non-hazardous petroleum contaminated solid waste and was transported to Clean Earth of Philadelphia, Inc.

Excavation endpoint sample results indicated some residual petroleum-related volatile organic compounds remained in soils at the bottom and south sidewall of the excavation. Further remediation of this area of the Site was successfully accomplished through the installation and successful operation of the soil vapor extraction (SVE) points. Operation of this system from 2006-2011 remediated the residual contamination at PS-5 to meet Part 375 unrestricted SCOs. The locations of the remedial actions and final end-point sample results are summarized on Table 2 and Figure 3.

#### 3.0 SUMMARY OF REMEDIAL ACTION

The site was remediated in accordance with the NYSDEC-approved Interim Remedial Measure Work Plan dated April, 2002 (Ref.2). Based upon the IRM activities and previous investigations performed at this Site, the environmental contaminants of concern fall within two classes of Volatile Organic Compounds (VOCs):

Aromatic Hydrocarbons; with indicator compounds that include:

1,2,4-Trimethylbenzene	Xylenes (m&p)	Ethylbenzene
1,3,5-Trimethylbenzene	Xylenes (o)	n-Heptane
Benzene	Toluene	n-Hexane

Halogenated VOCs; with indicator compounds that include:

1,1,1-Trichloroethane (1,1,1-TCA)	Trichloroethene (TCE)
1,1-Dichloroethane (1,1-DCA)	cis 1,2-Dichloroethene
1,1-Dichloroethene (1,1-DCE)	trans 1,2-Dichloroethene
Tetrachloroethene (PCE)	

The following is a summary of the Remedial Actions performed at the site:

- Removal of underground storage tanks and removal/disposal of associated petroleum-impacted soils;
- 2. Remediation of former underground injection well and former service pits with excavation and removal/disposal of associated impacted soils;
- Installation and operation of a soil vapor extraction (SVE) system for the in-situ
  treatment of on-site soils impacted by halogenated and aromatic volatile organic
  compounds;
- 4. Execution and recording of an Environmental Easement to restrict land use to commercial and industrial use and prevent future exposure to any contamination remaining at the site through the prohibition of on-site groundwater usage without proper treatment and prior NYSDEC approval;
- 5. Development and implementation of a Site Management Plan for long term management of remaining contamination as required by the Environmental Easement, which includes plans for: (1) Institutional Controls, (2) reporting;

Remedial activities were completed at the site in June 2011.

# 4.0 EVALUATION OF REMEDY PERFORMANCE, EFFECTIVENESS, AND PROTECTIVENESS

The SMP requires inspections of all systems installed at the Site at least annually. In addition, a comprehensive Site-wide inspection is required to be completed annually. Additional inspections in the event of an emergency, such as a natural disaster are also required. The information gathered during the inspection is reported in the following sections.

#### 4.1 Site-wide Inspection

The site-wide inspection was conducted on August 12, 2015 by Richard J. Izzo, CPG (a QEP as per NYSDEC DER-10 Section 1.3(b) 49)) of CA RICH. Mr. Alex Holuka (representing the Property Owners) accompanied Mr. Izzo on the inspection.

No additional site-wide inspections were conducted as there were no emergencies. Select photographs of the Site during the inspection are enclosed as Appendix A. The site-wide inspection form is enclosed in Appendix B.

### 4.2 Engineering Controls

There are currently no active engineering controls in place at the Site. A soil vapor extraction system (SVES) was installed and operated at the site from 2006 through 2011. The SVES was deactivated and decommissioned in 2012 following achievement of the termination criteria and receipt of NYSDEC approval.

# 5.0 INSTITUTIONAL AND ENGINEERING CONTROL (I & EC) PLAN COMPLIANCE REPORT

#### 5.1 Institutional Controls

A series of Institutional Controls (ICs) were required at the Site to: (1) implement, maintain and monitor Engineering Control Systems; (2) prevent future exposure to residual contamination by controlling disturbances of the subsurface contamination; (3) restrict the use of the Site to residential/commercial uses only. Adherence to these ICs on the Site is required under the Environmental Easement and is implemented under the SMP. The ICs are:

- (1) The Controlled Property may be used for:
   Commercial as described in 6 NYCRR Part 375-1.8(g)(2)(iii) and Industrial as described in 6 NYCRR Part 375-1.8(g)(2)(iv);
- (2) All Engineering Controls must be operated and maintained as specified in the Site Management Plan (SMP);

- (3) All Engineering Controls must be inspected at a frequency and in a manner defined in the SMP;
- (4) The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the Nassau County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department;
- (5) Groundwater and other environmental or public health monitoring must be performed as defined in the SMP;
- (6) Data and information pertinent to Site Management of the Controlled
   Property must be reported at the frequency and in a manner defined in the SMP;
- (7) All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;
- (8) Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP;
- (9) Operation, maintenance, monitoring, inspection, and reporting of any
  mechanical or physical components of the remedy shall be performed as defined in the
  SMP:
- (I0) Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by this Environmental Easement.

The environmental easement on this property is enforceable in perpetuity and is the mechanism that will be used to continually implement, maintain, monitor, and enforce such specified controls both by the owner and the owner's successors and assigns, and by State or local governments.

### 5.2 Engineering Controls

There are currently no active engineering controls in place at the site. A soil vapor extraction system (SVES) was installed and operated at the site from 2006 through 2011. The SVES was deactivated and decommissioned in 2012 following achievement of the termination criteria and receipt of NYSDEC approval.

## 5.3 Certification

The annual certification for the Site consists of a completed NYSDEC IC/EC Certification Form for Site#130043S. The completed IC/EC Certification Form was signed on August 12, 2015 and is enclosed as Appendix C. The annual certification was prepared in accordance with the SMP and has been certified by Mr. Alex Holuka representing 299 main Street, LLC; and Richard J. Izzo, CPG. of CA RICH, a Qualified Environmental Professional as defined in NYSDEC DER-10, Section 1.3(b) 49.

#### 6.0 MONITORING PLAN COMPLIANCE REPORT

## 6.1 Groundwater Monitoring

Groundwater monitoring activities to assess natural attenuation were performed on a quarterly basis for a period of two years from 2009 through 2011. Although low levels of VOCs were observed, concentrations were found to be asymptotic at an acceptable level and permission to discontinue was granted by the NYSDEC.

### 7.0 OPERATION & MAINTENANCE PLAN COMPLIANCE REPORT

## 7.1 Soil Vapor Extraction (SVE)

A multi-point SVE system was installed on-site and operated from 2006 through 2011. In 2012, the agreed-upon termination criteria were met, residual soil VOC contamination was reduced to levels below Part 375 unrestricted SCOs and the system was shut down.



#### 8.0 CONCLUSIONS AND RECOMMENDATIONS

The overall objective of the remedial action was to remediate environmental conditions at the Site to the satisfaction of the NYSDEC and NYSDOH for the future commercial/industrial use. As documented in the SMP, the results of the remedial activities conducted at the Site indicate that the identified areas of concern were satisfactorily addressed.

Based on the evaluation of the inspection and monitoring data, the following has been concluded:

- ICs were in place, and remain effective;
- The monitoring plan was properly implemented;
- Operation and maintenance activities were conducted properly;
- The remedy continues to be protective of public health and the environment and compliant with the decision document for the Site.

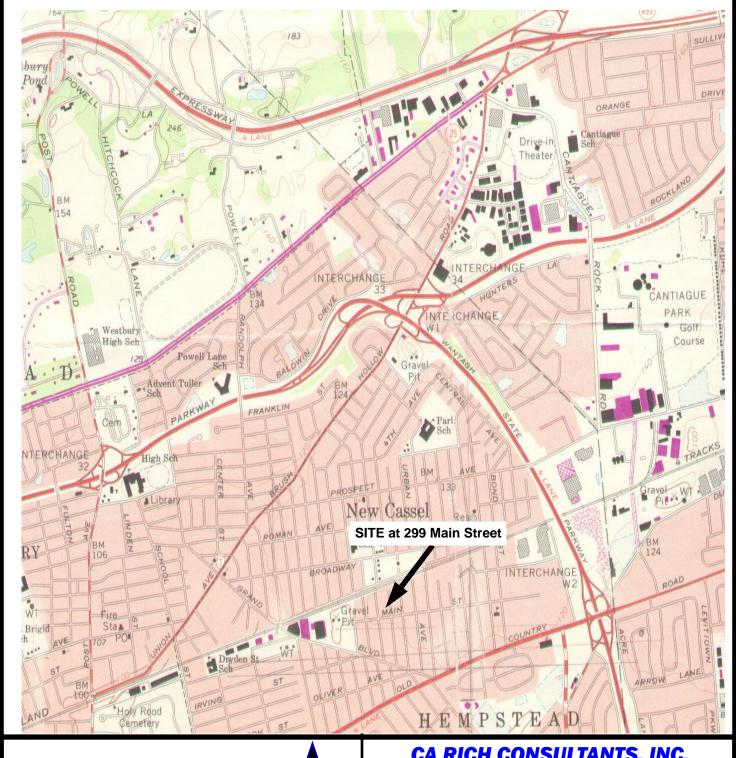
Based on the above conclusions, the following is recommended:

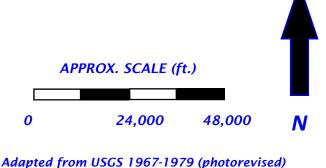
• The next Periodic Review Report should be submitted by August 2016.

#### 9.0 REFERENCES

- 1. Final Focused Remedial Investigation Report; prepared by Impact Environmental, September 2000.
- 2. Final Draft Interim Remedial Measures Work Plan; prepared by Impact Environmental, April 2002.
- 3. Interim Remedial Measures Report Part A; prepared by CA RICH Consultants, Inc. June 16, 2006.
- 4. Interim Remedial Measures Report Part B; Final Engineering Report and Operations, Maintenance & Monitoring Plan for the On-site Soil Vapor Extraction System; prepared by CA RICH Consultants, Inc., September 13, 2007.
- 5. Final Summary Report Onsite Sanitary System Cleanout and Abandonment; prepared by CA RICH Consultants, Inc., July 8, 2008.
- 6. Site Management Plan; prepared by CA RICH Consultants, Inc. August 2015.

FIGURES
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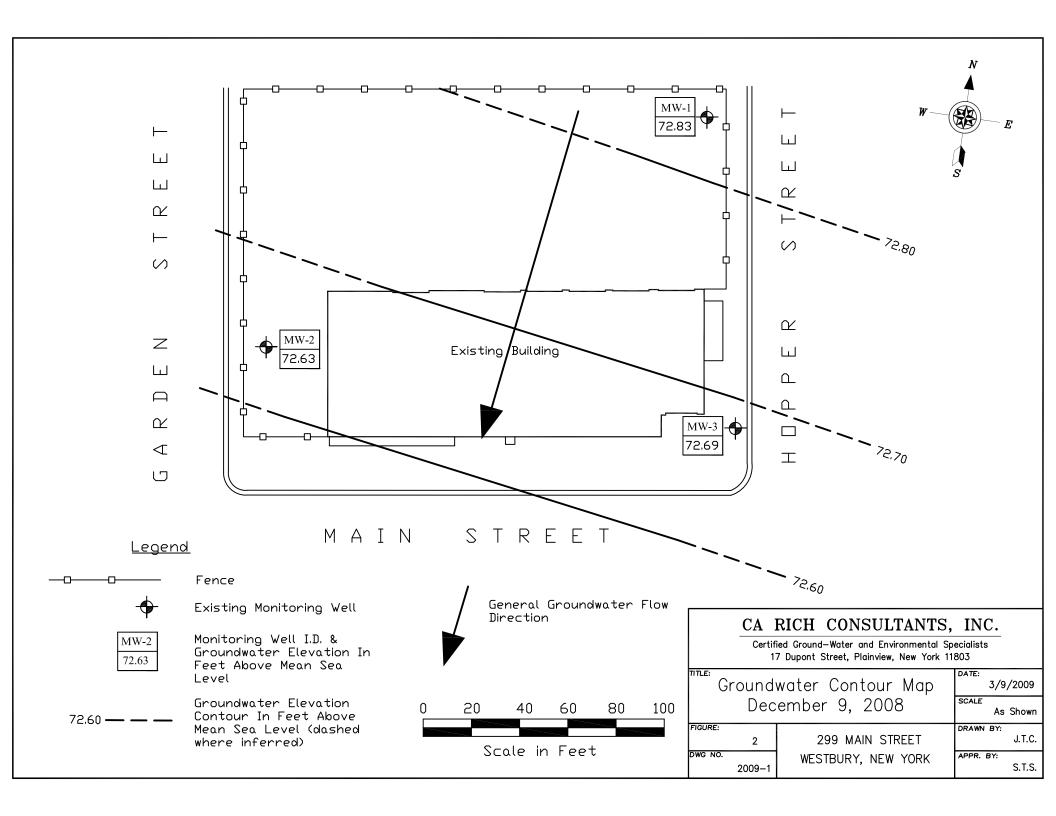


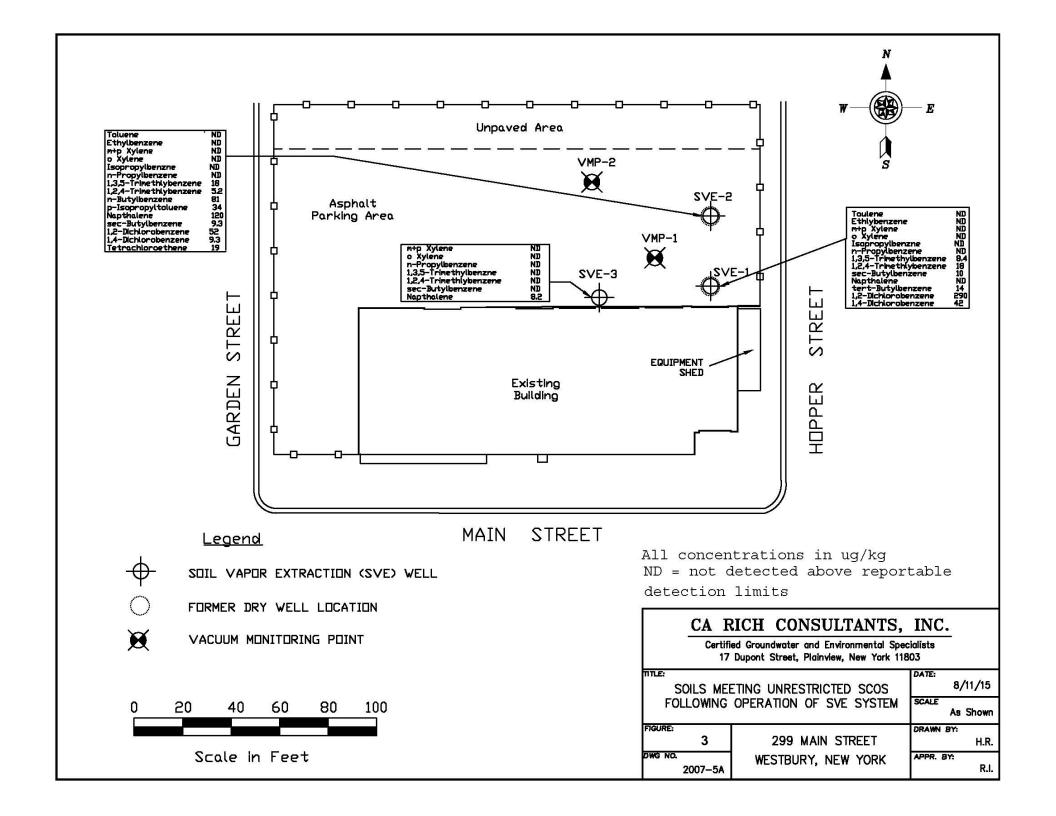
Hicksville Quadrangle Map.

## **CA RICH CONSULTANTS, INC.**

Certified Ground Water and Environmental Specialists 17 Dupont Street, Plainview, NY 11803

DATE: TITLE: 6/8/06 **SITE LOCATION MAP** SCALE: **AS SHOWN** FIGURE: DRAWN BY: **299 Main Street** Westbury, New York 11590 APPR. BY: DRAWING: **EAW** 





# **TABLES**

## Table 1

# Historical Summary of Groundwater Samples MW-1 299 Main Street Westbury, New York NYSDEC Site # 1-30-043S

Sample ID Matrix Date Sampled	MW-1 Groundwater 5/12/2009	MW-1 Groundwater 1/22/2010	MW-1 Groundwater 7/23/2010	MW-1 Groundwater 3/29/2011	NYSDEC (1) Drinking Water Standard TOGS
Volatile Organic Compounds					
(USEPA Method 8260)					
<u>Parameters</u>	<u>μg/L</u>	<u>μg/L</u>	<u>μg/L</u>	<u>μg/L</u>	<u>μg/L</u>
MTBE	ND	ND	ND	ND	10
Benzene	ND	ND	ND	ND	1
Toluene	ND	ND	ND	ND	5
Ethyl Benzene	ND	ND	ND	ND	5
m + p Xylene	ND	ND	ND	ND	5
o Xylene	ND	ND	ND	ND	5
Isopropylbenzene	ND	ND	ND	ND	5
n-Propylbenzene	ND	ND	ND	ND	5
1,3,5-Trimethylbenzene	ND	ND	ND	ND	5
1,2,4-Trimethylbenzene	ND	ND	ND	ND	5
p-Isopropyltoluene	ND	ND	ND	ND	5
n-Butylbenzene	ND	ND	ND	ND	5
Naphthalene	ND	ND	ND	ND	10
sec-Butylbenzene	ND	ND	ND	ND	5
tert-Butylbenzene	ND	ND	ND	ND	5
2-Chlorotoluene	ND	ND	ND	ND	5
1,2-Dichlorobenzene	ND	ND	ND	ND	3
1,4-Dichlorobenzene	ND	ND	ND	ND	3
p-Ethyltoluene	ND	ND	ND	ND	NS
1,2,4,5-Tetramethylbenzene	ND	ND	ND	ND	5
Acetone	ND	ND	ND	ND	50
Tetrachloroethene	ND	ND	ND	ND	5
Trichloroethene	ND	ND	ND	ND	5

## Notes:

All concentrations reported in ug/L (parts per billion).

ND - Not Detected above laboratory detection limits.

NS - No Standard.

(1) NYSDEC Division of Water TOG Series (1.1.1) Ambient Water Quality Standards and Guidance Values; June 1998.

## Table 1 (Cont'd.)

# Historical Summary of Groundwater Samples MW-2 299 Main Street Westbury, New York NYSDEC Site # 1-30-043S

Sample ID Matrix Date Sampled	MW-2 Groundwater 5/12/2009	<b>MW-2</b> Groundwater 1/22/2010	MW-2 Groundwater 7/23/2010	<b>MW-2</b> Groundwater 3/29/2011	NYSDEC (1) Drinking Water Standard TOGS
Volatile Organic Compounds					
(USEPA Method 8260)					
<u>Parameters</u>	μg/L	<u>μg/L</u>	<u>μg/L</u>	<u>µg/L</u>	<u>µg/L</u>
MTBE	ND	ND	ND	ND	10
Benzene	ND	ND	ND	ND	1
Toluene	ND	ND	ND	ND	5
Ethyl Benzene	ND	ND	ND	ND	5
m + p Xylene	ND	ND	ND	ND	5
o Xylene	ND	ND	ND	ND	5
Isopropylbenzene	ND	ND	ND	ND	5
n-Propylbenzene	ND	ND	ND	ND	5
1,3,5-Trimethylbenzene	ND	ND	ND	ND	5
1,2,4-Trimethylbenzene	ND	ND	ND	ND	5
p-Isopropyltoluene	ND	ND	ND	ND	5
n-Butylbenzene	ND	ND	ND	ND	5
Naphthalene	ND	ND	ND	ND	10
sec-Butylbenzene	ND	ND	ND	ND	5
tert-Butylbenzene	ND	ND	ND	ND	5
2-Chlorotoluene	ND	ND	ND	ND	5
1,2-Dichlorobenzene	ND	ND	ND	ND	3
1,4-Dichlorobenzene	ND	ND	ND	ND	3
p-Ethyltoluene	ND	ND	ND	ND	NS -
1,2,4,5-Tetramethylbenzene	ND	ND	ND	ND	5
Acetone	ND	ND	ND	ND	50
Tetrachloroethene	4	2	4	3	5
Trichloroethene	ND	ND	ND	ND	5

### Notes:

All concentrations reported in ug/L (parts per billion).

ND - Not Detected above laboratory detection limits.

NS - No Standard.

(1) NYSDEC Division of Water TOG Series (1.1.1) Ambient Water Quality Standards and Guidance Values; June 1998.

## Table 1 (Cont'd.)

# Historical Summary of Groundwater Samples MW-3 299 Main Street Westbury, New York NYSDEC Site # 1-30-043S

Sample ID Matrix Date Sampled	MW-3 Groundwater 5/12/2009	MW-3 Groundwater 1/22/2010	MW-3 Groundwater 7/23/2010	MW-3 Groundwater 3/29/2011	NYSDEC (1) Drinking Water Standard TOGS
Volatile Organic Compounds					
(USEPA Method 8260)	_		_	_	
<u>Parameters</u>	μg/L	<u>μg/L</u>	<u>μg/L</u>	<u>µg/L</u>	<u>µg/L</u>
MTBE	ND	ND	ND	ND	10
Benzene	ND	ND	ND	ND	1
Toluene	ND	ND	ND	ND	5
Ethyl Benzene	ND	ND	ND	ND	5
m + p Xylene	ND	ND	ND	ND	5
o Xylene	ND	ND	ND	ND	5
Isopropylbenzene	ND	ND	ND	ND	5
n-Propylbenzene	ND	ND	ND	ND	5
1,3,5-Trimethylbenzene	ND	ND	ND	ND	5
1,2,4-Trimethylbenzene	ND	ND	ND	ND	5
p-Isopropyltoluene	ND	ND	ND	ND	5
n-Butylbenzene	ND	ND	ND	ND	5
Naphthalene	ND	ND	ND	ND	10
sec-Butylbenzene	ND	ND	ND	ND	5
tert-Butylbenzene	ND	ND	ND	ND	5
2-Chlorotoluene	ND	ND	ND	ND	5
1,2-Dichlorobenzene	ND	ND	ND	ND	3
1,4-Dichlorobenzene	ND	ND	ND	ND	3
p-Ethyltoluene	ND	ND	ND	ND	NS
1,2,4,5-Tetramethylbenzene	ND	ND	ND	ND	5
Acetone	ND	ND	ND	ND	50
Tetrachloroethene	8	5	6	9	5
Trichloroethene	3	ND	1	ND	5

#### Notes:

All concentrations reported in ug/L (parts per billion).

ND - Not Detected above laboratory detection limits.

NS - No Standard.

(1) NYSDEC Division of Water TOG Series (1.1.1) Ambient Water Quality Standards and Guidance Values; June 1998.

Table 2
Summary of Soil Samples at SVE -1

## 299 Main Street Westbury, New York NYSDEC Site # 1-30-043S

Sample ID	SV-1 (35-40')	SV-1 (40-45')	SV-1 (45-47')	SV-1 (Xft)	NYSDEC (1)	NYSDEC (1)	NYSDEC (2)	NYSDEC (1)
Location	SV-1	SV-1	SV-1	SV-1(45-48') Dup	6NYCRR Part 375	6NYCRR Part 375	TAGM #4046	6NYCRR Part 375
Matrix	Soil	Soil	Soil	Soil	Restricted Use	Restricted Use	Guidance	Unrestricted Use
Date Sampled	6/8/2011	6/8/2011	6/8/2011	6/8/2011	Industrial	Protection of	Value	Soil Cleanup
						Groundwater		Objectives
Volatile Organic Compounds								
(USEPA Method 8260)								
<u>Parameters</u>	<u>µg/Kg</u>	<u>μg/Kg</u>	<u>μg/Kg</u>	<u>μg/Kg</u>	<u>μg/Kg</u>	<u>μg/Kg</u>	<u>ug/Kg</u>	<u>ug/Kg</u>
MTBE	ND	ND	ND	ND	1,000,000	930	120	930
Benzene	ND	ND	ND	ND	89,000	60	60	60
Toluene	ND	ND	ND	ND	1,000,000	700	1,500	700
Ethyl Benzene	ND	ND	ND	ND	780,000	100	5,500	1,000
m + p Xylene	ND	ND	ND	ND	1,000,000	1,600	1,200	260
o Xylene	ND	ND	ND	ND	1,000,000	1,600	600	260
Isopropylbenzene	ND	ND	ND	ND	NS	NS	2,300	NS
n-Propylbenzene	ND	ND	ND	ND	1,000,000	3,900	3,700	3,900
1,3,5-Trimethylbenzene	ND	ND	ND	8.4	380,000	8,400	3,300	8,400
1,2,4-Trimethylbenzene	ND	6.3	9.6	18	380,000	3,600	10,000	3,600
p-Isopropyltoluene	ND	130	ND	ND	NS	NS	10,000	NS
n-Butylbenzene	ND	ND	ND	ND	1,000,000	1,200	10,000	12,000
Naphthalene	ND	ND	ND	ND	1,000,000	12	13,000	NS
sec-Butylbenzene	ND	10	ND	ND	1,000,000	11,000	10,000	11,000
tert-Butylbenzene	ND	14	ND	ND	1,000,000	5,900	10,000	5,900
2-Chlorotoluene	ND	ND	ND	ND	NS	NS	NS	NS
1,2-Dichlorobenzene	ND	290	ND	ND	1,000,000	1,100	7,900	1,100
1,4-Dichlorobenzene	ND	42	ND	ND	250,000	1,800	8,500	1,800
p-Ethyltoluene	ND	20	ND	ND	NS	NS	NS	NS
1,2,4,5-Tetramethylbenzene	ND	110	340	390	NS	NS	NS	NS
Acetone	ND	ND	ND	ND	1,000,000	50	200	50
Tetrachloroethene	ND	ND	ND	ND	300,000	1,300	1,400	1,300

#### Notes:

All concentrations reported in ug/Kg (parts per billion).

ND - Not Detected above laboratory detection limits.

NS - No Standard.

(2) NYSDEC Technical and Administrative Guidance Memorandum #4046: Determination of Cleanup Objectives and Cleanup Levels; 1/24/94.

<sup>(1)</sup> NYSDEC 6 NYCRR Part 375: Environmental Remediation Programs; 12/14/2006.

## Table 2 (cont'd)

## Summary of Soil Samples at SVE -2

## 299 Main Street Westbury, New York NYSDEC Site # 1-30-043S

Sample ID	SV-2 (30-35')	SV-2 (35-40')	SV-2 (40-45')	SV-2 (45-50')	NYSDEC (1)	NYSDEC (1)	NYSDEC (2)	NYSDEC (1)
Location	SV-2	SV-2	SV-2	SV-2	6NYCRR Part 375	6NYCRR Part 375	TAGM #4046	6NYCRR Part 375
Matrix	Soil	Soil	Soil	Soil	Restricted Use	Restricted Use	Guidance	Unrestricted Use
Date Sampled	5/12/2009	5/12/2009	5/12/2009	5/12/2009	Industrial	Protection of	Value	Soil Cleanup
						Groundwater		Objectives
Volatile Organic Compounds								
(USEPA Method 8260)								
<u>Parameters</u>	<u>µg/Kg</u>	<u>μg/Kg</u>	μg/Kg	μg/Kg	<u>μg/Kg</u>	<u>μg/Kg</u>	<u>ug/Kg</u>	<u>ug/Kg</u>
MTBE	ND	ND	ND	ND	1,000,000	930	120	930
Benzene	ND	ND	ND	ND	89,000	60	60	60
Toluene	ND	ND	ND	ND	1,000,000	700	1,500	700
Ethyl Benzene	ND	ND	ND	ND	780,000	100	5,500	1,000
m + p Xylene	ND	ND	ND	ND	1,000,000	1,600	1,200	260
o Xylene	ND	ND	ND	ND	1,000,000	1,600	600	260
Isopropylbenzene	ND	ND	ND	ND	NS	NS	2,300	NS
n-Propylbenzene	ND	ND	ND	ND	1,000,000	3,900	3,700	3,900
1,3,5-Trimethylbenzene	ND	ND	ND	18	380,000	8,400	3,300	8,400
1,2,4-Trimethylbenzene	ND	ND	ND	5.2	380,000	3,600	10,000	3,600
p-Isopropyltoluene	ND	ND	ND	34	NS	NS	10,000	NS
n-Butylbenzene	ND	ND	ND	81	1,000,000	1,200	10,000	12,000
Naphthalene	ND	ND	ND	120	1,000,000	12	13,000	NS
sec-Butylbenzene	ND	ND	ND	9.3	1,000,000	11,000	10,000	11,000
tert-Butylbenzene	ND	ND	ND	ND	1,000,000	5,900	10,000	5,900
2-Chlorotoluene	ND	ND	ND	ND	NS	NS	NS	NS
1,2-Dichlorobenzene	ND	ND	ND	52	1,000,000	1,100	7,900	1,100
1,4-Dichlorobenzene	ND	ND	ND	9.3	250,000	1,800	8,500	1,800
p-Ethyltoluene	ND	ND	ND	ND	NS	NS	NS	NS
1,2,4,5-Tetramethylbenzene	ND	ND	ND	800	NS	NS	NS	NS
Acetone	ND	ND	ND	ND	1,000,000	50	200	50
Tetrachloroethene	ND	ND	ND	19	300,000	1,300	1,400	1,300

#### Notes:

All concentrations reported in ug/Kg (parts per billion).

ND - Not Detected above laboratory detection limits.

NS - No Standard.

(2) NYSDEC Technical and Administrative Guidance Memorandum #4046: Determination of Cleanup Objectives and Cleanup Levels; 1/24/94.

<sup>(1)</sup> NYSDEC 6 NYCRR Part 375: Environmental Remediation Programs; 12/14/2006.

## Table 2 (cont'd)

## Summary of Soil Samples at SVE -3

## 299 Main Street Westbury, New York NYSDEC Site # 1-30-043S

Sample ID	SV-3 (30-35')	SV-3 (35-40')	SV-3 (43-45')	SV-3 (45-48')	NYSDEC (1)	NYSDEC (1)	NYSDEC (2)	NYSDEC (1)
Location	SV-3	SV-3	SV-3	SV-3	6NYCRR Part 375	6NYCRR Part 375	TAGM #4046	6NYCRR Part 375
Matrix	Soil	Soil	Soil	Soil	Restricted Use	Restricted Use	Guidance	Unrestricted Use
Date Sampled	5/13/2009	5/13/2009	5/13/2009	5/13/2009	Industrial	Protection of	Value	Soil Cleanup
						Groundwater		Objectives
Volatile Organic Compounds								
(USEPA Method 8260)								
<u>Parameters</u>	<u>µg/Kg</u>	<u>μg/Kg</u>	μg/Kg	μg/Kg	<u>μg/Kg</u>	<u>μg/Kg</u>	<u>ug/Kg</u>	<u>ug/Kg</u>
MTBE	ND	ND	ND	ND	1,000,000	930	120	930
Benzene	ND	ND	ND	ND	89,000	60	60	60
Toluene	ND	ND	ND	ND	1,000,000	700	1,500	700
Ethyl Benzene	ND	ND	ND	ND	780,000	100	5,500	1,000
m + p Xylene	ND	ND	ND	ND	1,000,000	1,600	1,200	260
o Xylene	ND	ND	ND	ND	1,000,000	1,600	600	260
Isopropylbenzene	ND	ND	ND	ND	NS	NS	2,300	NS
n-Propylbenzene	ND	ND	ND	ND	1,000,000	3,900	3,700	3,900
1,3,5-Trimethylbenzene	ND	ND	ND	ND	380,000	8,400	3,300	8,400
1,2,4-Trimethylbenzene	ND	ND	ND	ND	380,000	3,600	10,000	3,600
p-Isopropyltoluene	ND	ND	ND	ND	NS	NS	10,000	NS
n-Butylbenzene	ND	ND	ND	ND	1,000,000	1,200	10,000	12,000
Naphthalene	ND	8.2	ND	ND	1,000,000	12	13,000	NS
sec-Butylbenzene	ND	ND	ND	ND	1,000,000	11,000	10,000	11,000
tert-Butylbenzene	ND	ND	ND	ND	1,000,000	5,900	10,000	5,900
2-Chlorotoluene	ND	ND	ND	ND	NS	NS	NS	NS
1,2-Dichlorobenzene	ND	ND	ND	ND	1,000,000	1,100	7,900	1,100
1,4-Dichlorobenzene	ND	ND	ND	ND	250,000	1,800	8,500	1,800
p-Ethyltoluene	ND	ND	ND	ND	NS	NS	NS	NS
1,2,4,5-Tetramethylbenzene	ND	22	ND	ND	NS	NS	NS	NS
Acetone	ND	ND	ND	ND	1,000,000	50	200	50
Tetrachloroethene	ND	ND	ND	ND	300,000	1,300	1,400	1,300

#### Notes:

All concentrations reported in ug/Kg (parts per billion).

ND - Not Detected above laboratory detection limits.

NS - No Standard.

(2) NYSDEC Technical and Administrative Guidance Memorandum #4046: Determination of Cleanup Objectives and Cleanup Levels; 1/24/94.

<sup>(1)</sup> NYSDEC 6 NYCRR Part 375: Environmental Remediation Programs; 12/14/2006.

## **APPENDIX A**

**Selected Photographs** 



## 299 Main Street Digital Photo Log August 12, 2015 Inspection

## **Subject Property**









## **APPENDIX B**

**Inspection & Monitoring Forms** 

## Site-Wide Inspection Check List 299 Main Street 299 Main Street Westbury, New York BCP SITE #130043S

Compliances to be Addressed	Comments
Are all institutional controls, including Site usage in compliance?	Yes
What are the general Site conditions?	The Site is well maintained and in excellent condition
Are Site management activies being conducted including, confirmation sampling and a health and safety inspection?	Yes
Are all Site records up to date?	Yes
Does Site access remain available to maintain engineering controls?	Yes
Are all permits and schedules included in the Operation and Maintenance Plan in Compliance?	Yes

Phat J. Oggs

Inspector-

Richard J. Izzo

Date/Time-

August 12, 2015 /11:00 AM

## **APPENDIX C**

IC/EC Form



# Enclosure 2 NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION Site Management Periodic Review Report Notice Institutional and Engineering Controls Certification Form



Site	e No.	130043S	Site Details		Box 1	
Site	e Name 29	9 Main Street				
City Cou			Zip Code: 11590			·
Re	porting Perio	od: January 16, 200	09 to June 30, 2015			
					YES	NO
1.	Is the infor	mation above corre	ct?		× = 3	
	If NO, inclu	ıde handwritten abo	ove or on a separate sheet.			
2.			perty been sold, subdivided, mergeo is Reporting Period?	l, or undergone a	Θ.	档
3.		been any change of CRR 375-1.11(d))?	f use at the site during this Reporting	g Period	_ ·	×
4.			or local permits (e.g., building, discha nis Reporting Period?	arge) been issued		ĕ.
			stions 2 thru 4, include document on previously submitted with this o			
5.	Is the site	currently undergoin	g development?			ZI.
	•				Box 2	
					YES	NO
					150	NO
6.	·	ent site use consist ial and Industrial	ent with the use(s) listed below?		X X	
	Commerci	al and Industrial	ent with the use(s) listed below?			
	Commerci Are all ICs	al and Industrial  ECs in place and f  HE ANSWER TO EI	•		ă ă	_
7.	Commerci Are all ICs IF T	al and Industrial  EECs in place and f  HE ANSWER TO EI  DO NOT COMPLE	functioning as designed?  THER QUESTION 6 OR 7 IS NO, sign	erwise continue.	哲 函 and	

SITE NO. 130043S Box 3

**Description of Institutional Controls** 

Parcel

11-144-37

<u>Owner</u>

299 Main St. LLC

Institutional Control

**Ground Water Use Restriction** 

Monitoring Plan Site Management Plan

O&M Plan

An Environmental Easement restricting use of groundwater at the site, groundwater and soil vapor monitoring plan, O&M plan for the SVE system and a site management plan

11-144-38

299 Main St. LLC

O&M Plan

Monitoring Plan Site Management Plan Ground Water Use Restriction

An environmental easement restricting grounwater usage at the site, OM@M plan, groundwater and soil vapor monitoring plan and a site management plan

11-144-39

299 Main St. LLC

Ground Water Use Restriction

Monitoring Plan Site Management Plan

O&M Plan

An environmental easement restricting groundwater usage at the site, an OM&M plan for the SVE system, a groundwater and soil vapor monitoring plan, and a site management plan

11-144-40

299 Main St. LLC

Ground Water Use Restriction

Monitoring Plan Site Management Plan

O&M Plan

An environmental easement restricting groundwater usage at the property, , an O&M plan for the SVE system, a groundwater and soil vapor monitoring plan and a site management plan

11-144-41

299 Main St. LLC

**Ground Water Use Restriction** 

Monitoring Plan Site Management Plan

O&M Plan

an environmental easement restricting groundwater usage at the site, O&M plan for the SVE system, groundwater and soil vapor monitoring plan and a site managemeent plan

11-144-42

299 Main St. LLC

Ground Water Use Restriction

Monitoring Plan Site Management Plan

O&M Plan

an environmental easement restricting groundwater usage at the site, an O&M plan for the SVE system, a Groundwater and soil vapor monitoring plan and a site management plan

11-144-43

299 Main St. LLC

Ground Water Use Restriction

Monitoring Plan Site Management Plan

O&M Plan

an environmetnal easement restricting groundwater usage at the property, a groundwater and soil vapor monitoring plan, an O&M plan for the SVE system, and a site management plan

11-144-44

299 Main St. LLC

Monitoring Plan
O&M Plan
Ground Water Use Restriction
Site Management Plan

an envorinmental easement restricting gtroundwater usage at the property, and O&M plan for the sve system, a groundwater and soil vapor monitoring plan and a site management plan.

Box 4

## **Description of Engineering Controls**

<u>Parcel</u>

**Engineering Control** 

11-144-37

Vapor Mitigation

soil vapor extraction

11-144-38

Vapor Mitigation

SVE system

11-144-39

SVE system

11-144-40

Vapor Mitigation

Vapor Mitigation

SVE system

11-144-41

Vapor Mitigation

SVE system

11-144-42

Vapor Mitigation

SVE system

11-144-43

Vapor Mitigation

An SVE system

11-144-44

Vapor Mitigation

An sve system

			Box 5
	Periodic Review Report (PRR) Certification Statements		
1.	I certify by checking "YES" below that:		
	<ul> <li>a) the Periodic Review report and all attachments were prepared under the direct reviewed by, the party making the certification;</li> </ul>	ction of,	and
	<ul> <li>b) to the best of my knowledge and belief, the work and conclusions described in are in accordance with the requirements of the site remedial program, and gener engineering practices; and the information presented is accurate and compete.</li> </ul>	n this co	ertification cepted
	engineering practices, and the information presented is accurate and compete.	YES	NO
		<b>A</b>	
2.	If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below tha following statements are true:	each Ir t all of t	nstitutional he
	(a) the Institutional Control and/or Engineering Control(s) employed at this site is the date that the Control was put in-place, or was last approved by the Department		nged since *
	(b) nothing has occurred that would impair the ability of such Control, to protect the environment;	public h	nealth and
	<ul> <li>(c) access to the site will continue to be provided to the Department, to evaluate including access to evaluate the continued maintenance of this Control;</li> </ul>	the rer	medy,
	(d) nothing has occurred that would constitute a violation or failure to comply wit Management Plan for this Control; and	h the S	ite
	(e) if a financial assurance mechanism is required by the oversight document fo mechanism remains valid and sufficient for its intended purpose established in the		
		YES	NO
		<b>2</b>	
	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 the	nese iss	sues.

 $^{\star}$  note: the SVE system was deactivated and decommissioned in 2012 when the termination criteria were met, as approved by NYSDEC

Date

Signature of Owner, Remedial Party or Designated Representative

## IC CERTIFICATIONS SITE NO. 130043S

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.

print na	ame	print busine	ess address
om cortifuing as	Owner		(Owner or Remedial Party)
an ceruiying as		- Total Pylane	(Owner of Homodian arty)
	in the Site Details	Section of this form	(o moi or romosiari aiy)
am certifying as	in the Site Details	Section of this form.	(emol of remedian disy)

## IC/EC CERTIFICATIONS

Box 7

## **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.

CA RICH Consultants, Inc.

Richard J. Izzo, CPG

at 17 Dupont St., Plainview, NY 11803

print name

print business address

am certifying as a Qualified Environmental Professional for the Owner

(Owner or Remedial Party)

Mary Days

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

Stamp (Required for PE)

8/12/15

Date