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. **C915234**

Site Name Niagara Transformer Corp.

Site Address: 1755 Dale Road Zip Code: 14225
City/Town: Cheektowaga
County: Erie
Site Acreage: 3.2

Reporting Period: December 24, 2010 to June 15, 2012

	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? 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

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information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?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. C915234 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
102.03-3-6.1	Niagara Transformer Corp.	Ground Water Use Restriction IC/EC Plan Landuse Restriction Monitoring Plan Site Management Plan

Box 4

Description of Engineering Controls

None Required

Not Applicable/No EC's

Engineering Control Details for Site No. C915234

Parcel: 102.03-3-6.1

The Site Management Plan includes:
- An Institutional Controls Plan. Institutional controls at the site will include groundwater use restrictions and use restrictions of the Site to restricted use (i.e. industrial purposes).
- A Soil/Fill Management Plan to assure that future intrusive activities and soil/fill handling at the Site are completed in a safe and environmentally responsible manner.
- A Site Monitoring Plan that includes: provisions for a limited stormwater monitoring plan; and,
- A Site-wide Inspection program to assure that the Institutional controls have not been altered and remain effective.

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
☒	☐

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

   (a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

   (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

   (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

   (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

   (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES	NO
☒	☐

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

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

_____ _____

Signature of Owner, Remedial Party or Designated Representative — Date

IC CERTIFICATIONS
SITE NO. C915234

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 PATRICK J. MARTIN at 2430 NORTH FOREST RD GETZVILLE NY,
print name print business address

am certifying as OWNER (DESIGNATED REPRESENTATIVE) (Owner or Remedial Party)

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

Patrick J. Martin 8/3/12
Signature of Owner, Remedial Party, or Designated Representative Rendering Certification Date

Niagara Transformer Corporation

ERIE, NEW YORK

Periodic Review Report

NYSDEC Site Number: C915234

Prepared for:
Niagara Transformer Corporation
1747 Dale Road
Cheektowaga, New York 14225

Prepared by:
Golder Associates Inc.
2430 North Forest Road, Suite 100
Getzville, New York 14068
(716) 204-5880

REVISED OCTOBER 2012

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1.0 SITE OVERVIEW

1.1 Site Location & Description

The site is located at 1755 Dale Road in the Town of Cheektowaga County of Erie, New York and is identified as Block 3 and Lot 6.1 on the Town of Cheektowaga Tax Map. The site is an approximately 3-acre area bounded by Dale Road to the north, CSX rail corridor to the south, a vacant parcel (owned by NTC) to the east, and NTC's manufacturing facility located at 1747 Dale Road to the west (see Figure 1-1). The site was remediated in accordance with Brownfield Cleanup Agreement (BCA) Index# C915234-10-09, Site C915234, which was executed on November 19, 2009.

1.2 Nature and Extent of Contamination Prior to Remediation

Prior to site remediation under the Brownfields Cleanup Program (BCP), PCB contamination ranged from non-detectable to concentrations of 1060 ppm in the shallow soil/fill. The BCP RI sampling program included analysis for a broad range of potential contaminants (VOCs, SVOCs, metals and pesticides) and focused on potential PCB impacts at depths greater than 1 foot and in shallow surface soils at the northernmost end of the Site that were not addressed during an earlier (December 2007) investigation. The BCP RI detected PCBs in the soil/fill borings at concentrations up to 22 parts per million (ppm).

1.3 Site Remedial Program

An IRM was implemented under the Brownfield Cleanup Agreement at the Niagara Transformer 1755 Dale Road Site in February 2010. Details of the IRM approach are described in the August 2009 RI/IRM Work Plan (Ref. 1). Based on the nature and extent of contamination as indicated by prior investigations (primarily based on the PCB impacts identified as a result of the 2007 NTC Soil Investigation) and the planned redevelopment of the subject property, the IRM Work Plan called for source removal via excavation, with off-site disposal of impacted soil.

Impacted soil that exceeded the NYSDEC Part 375 restricted industrial SCOs for total poly-chlorinated biphenyls (PCBs) was identified in thirteen (13) excavation grids that were approximately 50 ft. by 50 ft. in area. These soils were further characterized as hazardous (i.e., greater than 50 ppm for total PCBs) or non-hazardous (i.e., less than 50 ppm for total PBCs) in each of the grids.

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

- Excavation and on-site staging of non-hazardous soil grids. Approximately 1,097 tons of non-hazardous soil was temporarily relocated to an onsite spoils lay down area for further testing and characterization prior to disposal off site. Grids identified as numbers 3, 4, 5 and 7 were characterized as non-hazardous based on the 2007 surface soil investigation performed by NTC. Grid 3, 4 and 7 sample results from the 2007 investigation indicated that the surficial soils were technically below the Part 375 Restricted Industrial SCO. However, it was determined that based on their location between other grids that exceeded the SCO that it was impractical to leave the soil/fill from these grids in place. Therefore they were included in the non-hazardous excavation plan.

- Excavation of PCBs hazardous (i.e.> 50 ppm) soil/fill. Approximately 2,075 tons of soil/fill were removed as hazardous waste for off-site disposal. Grids identified as numbers 1, 2, 6, 8, 9, 10, 11, 12 and 13 were characterized as hazardous based on the 2007 surface soil investigation performed by NTC.
- Characterization and off-site disposal of approximately 6 partially crushed and deteriorated drums containing non-hazardous roofing tar residuals;
- Excavation and on-site relocation of large pieces of concrete rubble from several designated grid areas;
- Verification sampling of the sidewalls and floor areas of the excavated. Golder personnel collected 11 sidewall, 20 floor and 4 sidewall verification samples within the excavation limits and from stockpiled soil from the non-hazardous grids;
- Off-site transportation and disposal of hazardous and non-hazardous soil/fill to the CWM Chemical Services TSD Facility, Model City, New York;
- Community dust monitoring program implemented during excavation activities;
- 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) monitoring, (3) operation and maintenance and (4) reporting;
- Execution and recording of an Environmental Easement to restrict land use and prevent future exposure to any contamination remaining at the site.

The Site was remediated to meet the restricted industrial SCO for PCBs of 25 ppm. The materials that were removed were primarily non-native fill and small quantities of native soils, and natural vegetation in the contaminated areas. The total amount of material that was disposed of off-site was 3,172 tons.

No long-term treatment systems were required or installed as part of the site remedy based on the results of the RI and subsequent soil/fill removals performed under the IRM.

After completion of the remedial work, some contamination was left in the subsurface at this site, which is hereafter referred to as “remaining contamination.” The contamination remaining on the site consists of low levels of PCBs within the upper soil/fill layer that remains after completion of the remedial excavation across the majority of the site. In general, based on extensive geotechnical and environmental borings, this layer of soil/fill decreases in thickness at the north and west portions of the Site and increases to a thickness of 3 to 4 feet in the southern and western portions of the Site. The remaining concentrations of PCBs in the shallow soil/fill that exceed the Track 1 (unrestricted) SCO for PCBs (0.1 ppm) are were summarized in Table 1 of the Site Management Plan (SMP) [Ref. 2]. The residual concentrations range from 0.15 to 11.2 ppm with an average concentration across the 49 samples of 1.9 ppm. This data consists of samples collected during the December 2007 Investigation from areas of the Site that were not remediated as part of the IRM as well as supplemental BCP RI data and post-IRM remediation verification sample results collected from the IRM excavation areas.

A SMP was prepared to manage remaining contamination at the site until the Environmental Easement is extinguished in accordance with ECL Article 71, Title 36. The SMP addresses the means for implementing the Institutional Controls (ICs) that are required by the Environmental Easement for the site.

1.4 Purpose of Periodic Review Report

This Periodic Review Report (PRR) presents information on the maintenance, monitoring and compliance activities for the Niagara Transformer Site No. C915234 for the period from December 24, 2010 (the issuance of the Site's Certificate of Completion) to June 15, 2012.

During this time period non-intrusive site work (final grading and placement of imported structural fill (crushed stone), topsoil placement and landscaping and seeding of soil berms and limited asphalt paving of a portion of the future western parking area) was performed to prepare the site for the planned construction of a new manufacturing facility and associated infrastructure.

2.0 REMEDIAL SYSTEMS COMPLIANCE

There are no active remedial treatment or engineering control systems operating at the 1755 Dale Road BCP Site because the Interim Remedial Measure (IRM) conducted as part of the overall BCP achieved the Remedial Action Objectives for the Site of:

- Removal of PCB -impacted soil/fill within the Site to levels protective of human health for the intended future use of the Site (industrial Soil Cleanup Objectives [SCOs])
- Mitigate and minimize loadings to storm water from residual PCB-impacted soil/fill.

6NYCRR Part 375 Restricted Industrial SCOs were employed as soil cleanup goals to provide a measure of performance against these RAOs. The SCOs are soil concentration limits protective of human health and groundwater quality. Achievement of the SCOs was confirmed through verification sampling.

The approved SMP requires the implementation of a long term monitoring plan that incorporates semi-annual storm water and sediment analysis and annual inspections of the site to identify evidence of excessive soil erosion to the Site soils or deterioration of asphalt or concrete structures on the Site that might indicate that off-site transport of soil/fill is more likely to occur or is occurring. In particular, the annual inspections are to focus on the condition and integrity of the soil berms created as part of the BCP approved remedial program.

The results of the required monitoring activities and annual inspection are presented in Section 4 “Monitoring Plan Compliance Report”.

3.0 INSTITUTIONAL CONTROL COMPLIANCE

3.1 Introduction

3.1.1 General

Since remaining contaminated soil exists beneath the site, Institutional Controls (ICs) are required to protect human health and the environment. The Institutional Control Plan is a component of the SMP and describes the procedures for the implementation and management of all ICs at the site. The goals of the ICs are to: (1) prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination; and, (2) limit the use and development of the site to industrial uses only.

3.2 Description of Institutional Controls

The Institutional Controls are:

- Compliance with the Environmental Easement and the SMP by the Grantor and the Grantor's successors and assigns;
- Performance of semi-annual storm water and sediment (when present) monitoring for PCBs as defined in the SMP;
- Implementation and documentation of the soil/fill management procedures provided in the Excavation Work Plan (EWP); and
- Reporting of the data and information pertinent to Site Management of the Controlled Property.

The site has a series of Institutional Controls in the form of site restrictions. Site restrictions that apply to the Controlled Property are:

- The property may only be used for restricted industrial use provided that the long-term Institutional Controls included in this SMP are employed.
- The use of the groundwater underlying the property is prohibited without treatment rendering it safe for intended use.
- The property may not be used for a higher level of use, such as restricted commercial 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 the SMP and EWP;
- 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.

The environmental easement summarizing the site use restrictions and requirements for the site was executed by the Department on June 22, 2010, and filed with the Erie County Clerk on July 15, 2010. The Easement A copy of the easement and proof of filing is provided in Appendix F of the SMP for this site.

3.2.1 Status of ICs

During the reporting period covered by this PRR, all ICs were in place and effective in meeting their objectives. No intrusive work was conducted at the Site that disturbed or otherwise displaced underlying soils, therefore, the Excavation Work Plan was not utilized during this time.

There are no corrective measures required to address deficiencies in the ICs at this time based on the results of the monitoring and annual inspection performed.

During the reporting period covered by this PRR only one round of storm water and sediment samples were collected. The initial samples were collected on December 7, 2011, which was the first occasion that the storm water retention pond water level reached the overflow structure and storm water effluent was present in sufficient quantity for sampling at the outfall structure. Prior to this date accumulated storm water had not discharged from the pond and the Site. Subsequent to this sampling event a second sampling date was scheduled for early May, 2012 (i.e., six months following the first sampling event). However due to the combination of unseasonably warm spring weather and corresponding dry conditions, the storm water retention pond level has not reached the outfall elevation and no storm water discharge has been observed to occur from the Site since early March of this year. This has also resulted in little or no flow in the drainage swale along the southern perimeter of the Site, therefore upstream or downstream sample collection was also not feasible during the scheduled sampling time in early May 2012 at any time up to June 15, 2012 which was the end of the reporting period covered by this PRR.

4.0 MONITORING PLAN COMPLIANCE REPORT

4.1 3.1 Introduction

4.1.1 General

The Monitoring Plan describes the measures for evaluating the performance and effectiveness of the remedy to reduce or mitigate residual contamination at the site, and all affected site media identified below. This Monitoring Plan may only be revised with the approval of NYSDEC.

4.1.2 Schedule

Semi-annual monitoring of the Site storm water and associated sediment is proposed to assess the effectiveness of the remedy and overall reduction in contamination on-site. Semi-annual monitoring will be conducted for the first 5 years. A reduction in frequency may be requested from the Department if after the initial 5 year monitoring period if the data demonstrates that PCBs are not being detected in the stormwater and sediment runoff from the BCP Site. Trends in PCB contaminant levels in storm water and sediment discharged from the Site will be evaluated to determine if the remedy continues to be effective in achieving remedial goals. The Monitoring program is summarized in Table 4-1 and results of the monitoring performed are discussed further in Section 4.2 below.

Table 4-1: Monitoring/Inspection Schedule

Monitoring Program	Frequency*	Matrix	Analysis
Stormwater: Upstream, Outfall, Downstream	Semi-annually (first five years)	Stormwater runoff and sediment (when present)	PCBs, Method 8082
Annual Site Inspection	Annually	Visually inspect entire site (with particular focus on soil berms) for signs of deterioration/erosion	NA

* The frequency of events will be conducted as specified until otherwise approved by NYSDEC and NYSDOH

4.2 Monitoring Program Results

4.2.1 Surface Water and Sediment Monitoring

Subsequent to the completion of the storm water pond construction on the parcel directly contiguous with the 1755 parcel and due east of the Site performed in the late spring and early summer of 2011, the pond water level did not reach the overflow structure level in sufficient volume to allow for sampling until early December of 2011. Storm water samples were collected on December 7, 2011 by Golder. Samples

were collected at three (3) locations in accordance with the NTC C915234 Site SMP. Samples were collected from the storm water retention pond outfall structure on the East parcel (outfall sample), in the drainage swale 50 feet east and upstream of the combined 1747/1755 storm water outfall (upstream sample) and in the drainage swale approximately 10 feet downstream of the combined outfall (downstream sample). Refer to Figure 4-1 for the location where these sample were collected.

The storm water samples were analyzed for PCBs. The analytical results from the December 2011 sampling event are summarized and compared to NYSDEC surface water standards (NYSDEC 1998) in Table 4-2. Arochlor 1260, was the only PCB detected above its NYSDEC surface water standard in the downstream sample, it was not detected in the upstream or Site outfall sample. The downstream sample includes contributions from the 1747 Dale Road site storm water discharge outfall to the drainage swale where the sample was collected.

In conjunction with the storm water sampling, 2 of the 3 sediment samples identified in the SMP Monitoring Plan were collected. The upstream and downstream sediment sample locations were sampled, however, there was not sufficient sediment present in the new outfall structure to allow for collection of this sample.

Arochlor 1260 was detected in the downstream sediment sample at a concentration of 2.7 mg/kg. The positive analytical results from the December 2011 sediment sampling event are also summarized and presented in Table 4-2. This result is comparable to the concentrations detected in the NTC-001 downstream sediment samples collected and analyzed for the 1747 Dale Road SMP in 2009, 2010 and 2011.

A copy of the laboratory Analytical Report for all storm water and sediment analyses performed is attached in Appendix A

As noted in Section 3.2.1, the second storm water and sediment monitoring event planned for May of 2012 could not be performed at that time or subsequently prior to June 15, 2012 due to no flow conditions present in the outfall and off-site drainage swale.

4.3 Annual Site Inspection Results

An annual inspection was performed on December 7, 2011 in accordance with the SMP Monitoring Program requirements. A Site-wide inspection form was completed (Appendix B). The form compiles sufficient information to assess the following:

- Compliance with all ICs, including site usage;
- General site conditions at the time of the inspection;
- The site management activities being conducted including, where appropriate, confirmation sampling and a health and safety inspection;

- Compliance with permits and schedules included in the Operation and Maintenance Plan; and
- Confirm that site records are up to date.

All areas of the Site were carefully inspected to assess the condition of surface soil integrity, asphalt (not present at time of inspection) and concrete areas to determine if evidence of erosion or related deterioration of the site soils, asphalt or concrete structures is occurring that would result in the erosion of Site soil/fill onto surrounding properties. In particular, special attention was given to inspecting the condition and integrity of the soil berms created in 2010 as part of the initial Site redevelopment plan. These berms were covered with clean topsoil in the spring of 2011 and seeded and planted with trees as part of the approved landscaping plan with the Town. No erosion or deterioration in any areas was noted, and therefore no corrective actions w replace or otherwise correct the problem(s) identified during the inspection

4.4 Conclusions and Recommendations

At the time of the annual inspection, the Site was only partially developed with completion of foundation base stone and grading and vegetation of soil berms completed. All monitoring results and inspection results were acceptable with no detection of PCBs in the Site outfall discharge and no deterioration or evidence of erosion from the soil berms and the Site. The positive detections of PCBs in the downstream storm water and sediment samples were consistent with detections reported for the samples collected in nearly the same locations as part of the SMP monitoring associated with the adjacent 1747 Dale Road Site (where storm water and sediment is also present from the 1747 parcel).

No recommendations for changing of the monitoring and inspection program are proposed at this time.

5.0 OVERALL CONCLUSIONS AND RECOMMENDATIONS

Based on the initial monitoring and inspection results described in Section 4 and conducted during the timeframe covered by this PRR, compliance with all relevant components of the SMP ICs were achieved.

The limited storm water and sediment sampling completed to date (i.e., one event) cannot conclusively assess the performance of the remedy. However, the initial sample results and the overall condition of the site and integrity of the final vegetated soil berms provide solid evidence that the remedy performed under the BCP is achieving its intended goals of minimizing, to the extent feasible, exposure of remaining contamination to the environment through storm water runoff and associated sediment erosion.

The extremely dry conditions experienced over the past six to seven months resulted in the cancelling of the second planned semi-annual storm water and sediment sampling event in the spring of 2012. Niagara Transformer will therefore monitor the storm water retention pond level weekly and arrange for collection of the required SMP Monitoring Plan samples as soon as outfall overflow occurs and sample collection is feasible. The expectation is that this will be possible in September or October of 2012 dependent on precipitation during this timeframe.

In conjunction with this next sampling event, the Annual Inspection will be performed. The next semi-annual SMP sampling event would be performed in the late spring of 2013, contingent on storm water availability for sampling.

6.0 REFERENCES

1. Golder Associates Inc., *Remedial Investigation & Interim Remedial Measures Work Plan*, *Niagara Transformer Corporation – 1755 Dale Road Cheektowaga, New York,* prepared for New York State Department of Environmental Conservation, September 2009.

2. Golder Associates Inc., *Site Management Plan, Niagara Transformer Corporation, NYSDEC Site No. 915234*, prepared for Niagara Transformer Corporation, September 2010.

TABLE 4-2

(Table 4-1 in Text)

TABLE 4-2
SUMMARY OF ANALYTICAL RESULTS FOR STORMWATER AND SEDIMENT SAMPLING

PERIODIC REVIEW REPORT

1755 DALE RD. BCP SITE # C915234 - NIAGARA TRANSFORMER CORP
CHEEKTOWAGA, NY

Lab ID		480-13586-1	480-13586-2	480-13586-3	480-13586-4	480-13586-5
Sample ID		Stormwater Outfall	Stormwater Upstream	Stormwater Downstream	Upstream Sediment	Downstream Sediment
Sample Date		12/6/11	12/6/11	12/6/11	12/6/11	12/6/11
Sample Matrix		Water	Water	Water	Sediment	Sediment
Units		ug/L	ug/L	ug/L	ug/Kg	ug/Kg
Polychlorinated Biphenyls (8082)	NYSDEC Surface Water Standards (ug/L)					
Aroclor 1016		ND	ND	ND	ND	ND
Aroclor 1221		ND	ND	ND	ND	ND
Aroclor 1232		ND	ND	ND	ND	ND
Aroclor 1242		ND	ND	ND	ND	ND
Aroclor 1248		ND	ND	ND	ND	ND
Aroclor 1254		ND	ND	ND	ND	ND
Aroclor 1260		ND	ND	0.33 J	ND	2700
TOTAL PCBs	0.09	0	0	0.33	0	2700

Data Qualifiers:

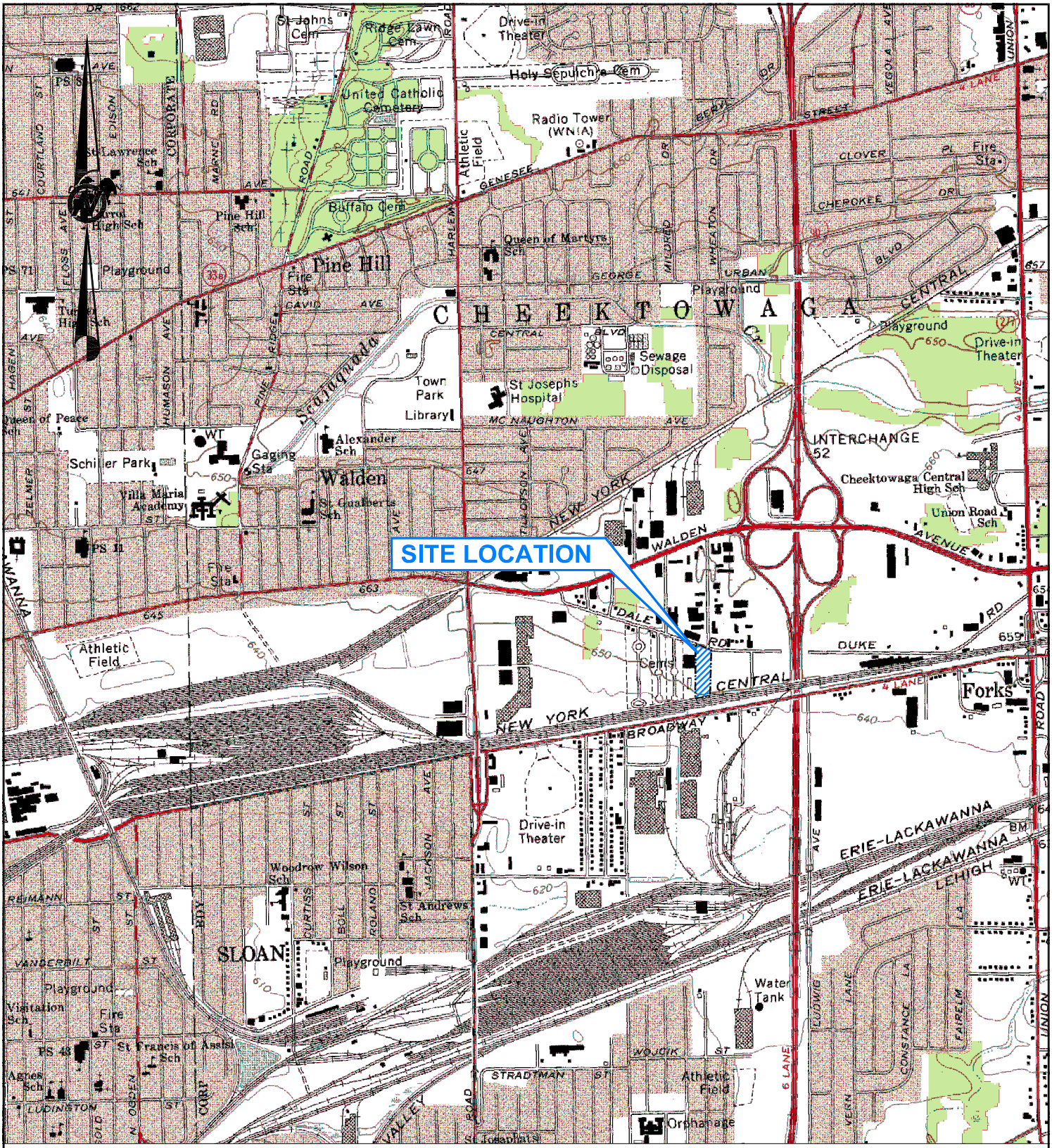
J = Result is less than reporting limit (RL) but greater than or equal to the MDL and the concentration is an approximate value.

Footnotes:

All values are in Parts per Billion (PPB).
ND = Not detected at the RL.

Table by: AML
Checked by: DMP
Reviewed by: PTM

FIGURES



REFERENCE

1.) BASE FROM 7.5 MINUTE QUADRANGLE OF BUFFALO NORTHEAST, NEW YORK DATED 1965.

2000 0 2000
SCALE FEET

Golder Associates
Mt. Laurel, New Jersey

SCALE	AS SHOWN
DATE	07/06/09
DESIGN	PTM
CADD	GLS
CHECK	
REVIEW	

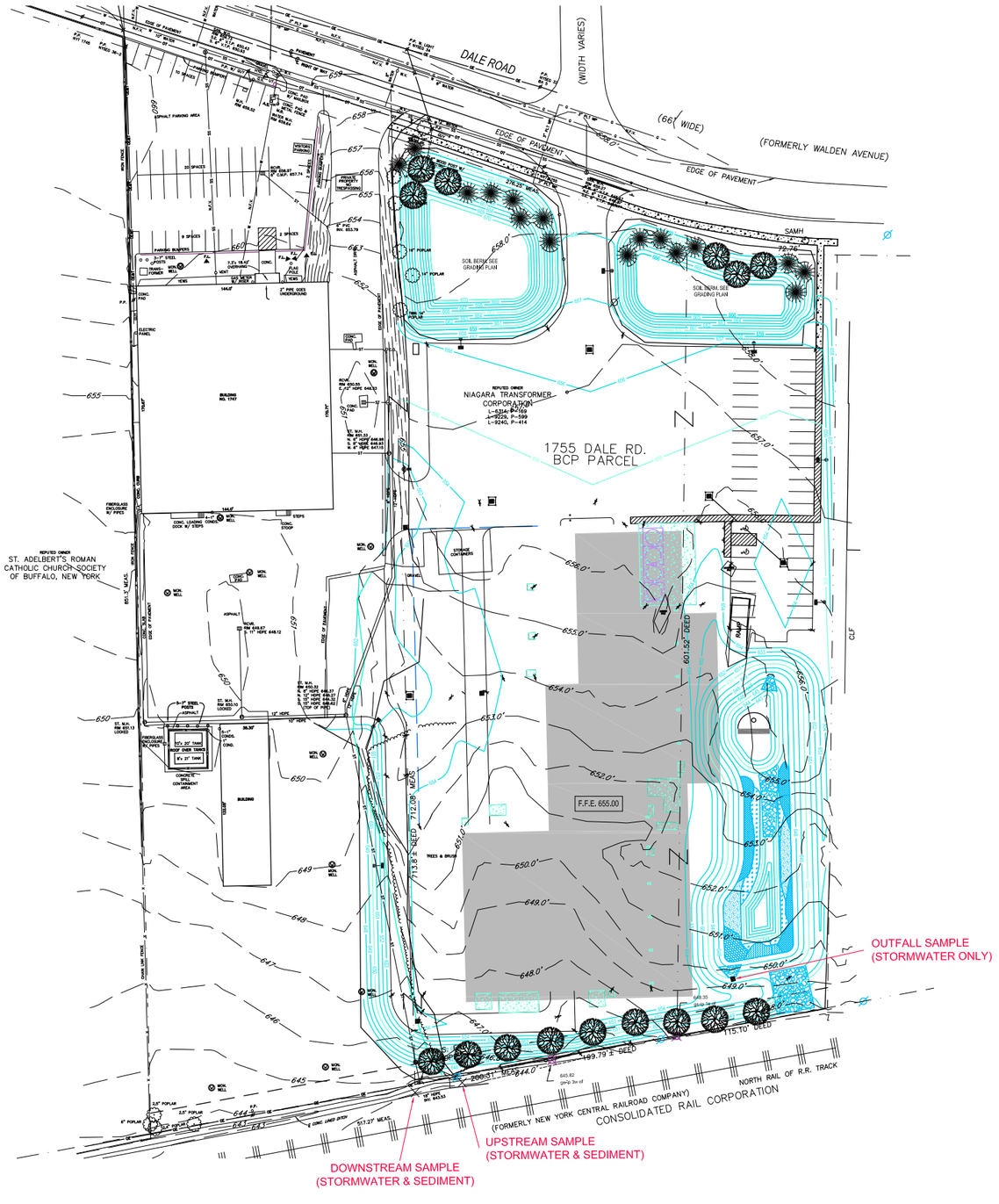
FILE No. 0938914402A001
PROJECT No. 093-89144-02 REV. 0

TITLE

SITE VICINITY MAP
1755 DALE ROAD BCP PARCEL
CHEEKTOWAGA, NEW YORK

NIAGARA TRANSFORMER CORP.

FIGURE 1-1



LEGEND

- STORMWATER/SEDIMENT SAMPLE LOCATION (DRAINAGE DITCH)
- STORMWATER OUTFALL STRUCTURE

REFERENCES

1.) BASE MAP FROM C&S DRAWING: NT-C103.DWG

100 0 100
SCALE FEET

Golder Associates
Mt. Laurel, New Jersey

PROJECT
NIAGARA TRANSFORMER CORP.
PERIODIC REVIEW REPORT
CHEEKTOWAGA, NEW YORK

TITLE
DECEMBER 2011
SURFACE WATER & SEDIMENT
SAMPLE LOCATIONS

PROJECT No.	093-89144-02	
FILE No.	0938914402A001	
REV. 0	SCALE AS SHOWN	
DESIGN	PTM	10/5/2012
CADD	AM/RJM	10/5/2012
CHECK	PTM	10/5/2012
REVIEW	PTM	10/5/2012

FIG 4-1

Drawing file: Tree Removal Plan.dwg Oct 09, 2012 - 8:52am

APPENDIX A

ANALTICAL DATA REPORT – TESTAMERICA

DECEMBER 9, 2011

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-13586-1
Client Project/Site: Golder - Niagara Transformer site

For:
Golder Associates Inc.
2430 North Forest Rd
Suite 100
Getzville, New York 14068

Attn: Mr. Patrick Martin

Authorized for release by:
12/9/2011 1:14:51 PM

Brian Fischer
Project Manager II
brian.fischer@testamericainc.com

Table of Contents

Definitions/Glossary

Client: Golder Associates Inc.
Project/Site: Golder - Niagara Transformer site

TestAmerica Job ID: 480-13586-1

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 480-13586-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-13586-1

Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

GC Semi VOA
No analytical or quality issues were noted.

Organic Prep
Method(s) 3550B: A significant amount of liquid was present in the following samples: DOWNSTREAM SEDIMENT (480-13586-5), UPSTREAM SEDIMENT (480-13586-4). These samples were decanted prior to preparation .

No other analytical or quality issues were noted.

Detection Summary

Client: Golder Associates Inc.
Project/Site: Golder - Niagara Transformer site

TestAmerica Job ID: 480-13586-1

Client Sample ID: STORMWATER OUTFALL — Lab Sample ID: 480-13586-1

No Detections

Client Sample ID: STORMWATER UPSTREAM — Lab Sample ID: 480-13586-2

No Detections

Client Sample ID: STORMWATER DOWNSTREAM — Lab Sample ID: 480-13586-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1260	0.33	J	0.53	0.26	ug/L	1		8082	Total/NA

Client Sample ID: UPSTREAM SEDIMENT — Lab Sample ID: 480-13586-4

No Detections

Client Sample ID: DOWNSTREAM SEDIMENT — Lab Sample ID: 480-13586-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1260	2700		460	220	ug/Kg	1	☼	8082	Total/NA

Client: Golder Associates Inc.
Project/Site: Golder - Niagara Transformer site

TestAmerica Job ID: 480-13586-1

Client Sample ID: STORMWATER OUTFALL
Date Collected: 12/06/11 16:15
Date Received: 12/07/11 09:10

Lab Sample ID: 480-13586-1
Matrix: Water

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.48	0.17	ug/L		12/08/11 15:01	12/08/11 21:01	1
PCB-1221	ND		0.48	0.17	ug/L		12/08/11 15:01	12/08/11 21:01	1
PCB-1232	ND		0.48	0.17	ug/L		12/08/11 15:01	12/08/11 21:01	1
PCB-1242	ND		0.48	0.17	ug/L		12/08/11 15:01	12/08/11 21:01	1
PCB-1248	ND		0.48	0.17	ug/L		12/08/11 15:01	12/08/11 21:01	1
PCB-1254	ND		0.48	0.24	ug/L		12/08/11 15:01	12/08/11 21:01	1
PCB-1260	ND		0.48	0.24	ug/L		12/08/11 15:01	12/08/11 21:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*56*		*19 - 112*	*12/08/11 15:01*	*12/08/11 21:01*	*1*
Tetrachloro-m-xylene	*78*		*23 - 127*	*12/08/11 15:01*	*12/08/11 21:01*	*1*

Client: Golder Associates Inc.
Project/Site: Golder - Niagara Transformer site

TestAmerica Job ID: 480-13586-1

Client Sample ID: STORMWATER UPSTREAM
Date Collected: 12/06/11 16:25
Date Received: 12/07/11 09:10

Lab Sample ID: 480-13586-2
Matrix: Water

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.52	0.18	ug/L		12/08/11 15:01	12/08/11 21:16	1
PCB-1221	ND		0.52	0.18	ug/L		12/08/11 15:01	12/08/11 21:16	1
PCB-1232	ND		0.52	0.18	ug/L		12/08/11 15:01	12/08/11 21:16	1
PCB-1242	ND		0.52	0.18	ug/L		12/08/11 15:01	12/08/11 21:16	1
PCB-1248	ND		0.52	0.18	ug/L		12/08/11 15:01	12/08/11 21:16	1
PCB-1254	ND		0.52	0.26	ug/L		12/08/11 15:01	12/08/11 21:16	1
PCB-1260	ND		0.52	0.26	ug/L		12/08/11 15:01	12/08/11 21:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*46*		*19 - 112*	*12/08/11 15:01*	*12/08/11 21:16*	*1*
Tetrachloro-m-xylene	*74*		*23 - 127*	*12/08/11 15:01*	*12/08/11 21:16*	*1*

Client: Golder Associates Inc.
Project/Site: Golder - Niagara Transformer site

TestAmerica Job ID: 480-13586-1

Client Sample ID: STORMWATER DOWNSTREAM
Date Collected: 12/06/11 16:45
Date Received: 12/07/11 09:10

Lab Sample ID: 480-13586-3
Matrix: Water

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.53	0.19	ug/L		12/08/11 15:01	12/08/11 21:31	1
PCB-1221	ND		0.53	0.19	ug/L		12/08/11 15:01	12/08/11 21:31	1
PCB-1232	ND		0.53	0.19	ug/L		12/08/11 15:01	12/08/11 21:31	1
PCB-1242	ND		0.53	0.19	ug/L		12/08/11 15:01	12/08/11 21:31	1
PCB-1248	ND		0.53	0.19	ug/L		12/08/11 15:01	12/08/11 21:31	1
PCB-1254	ND		0.53	0.26	ug/L		12/08/11 15:01	12/08/11 21:31	1
PCB-1260	**0.33**	**J**	0.53	0.26	ug/L		12/08/11 15:01	12/08/11 21:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*58*		*19 - 112*	*12/08/11 15:01*	*12/08/11 21:31*	*1*
Tetrachloro-m-xylene	*78*		*23 - 127*	*12/08/11 15:01*	*12/08/11 21:31*	*1*

Client: Golder Associates Inc.
Project/Site: Golder - Niagara Transformer site

TestAmerica Job ID: 480-13586-1

Client Sample ID: UPSTREAM SEDIMENT
Date Collected: 12/06/11 16:38
Date Received: 12/07/11 09:10

Lab Sample ID: 480-13586-4
Matrix: Solid
Percent Solids: 55.7

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		410	79	ug/Kg	☼	12/07/11 15:02	12/07/11 20:29	1
PCB-1221	ND		410	79	ug/Kg	☼	12/07/11 15:02	12/07/11 20:29	1
PCB-1232	ND		410	79	ug/Kg	☼	12/07/11 15:02	12/07/11 20:29	1
PCB-1242	ND		410	88	ug/Kg	☼	12/07/11 15:02	12/07/11 20:29	1
PCB-1248	ND		410	80	ug/Kg	☼	12/07/11 15:02	12/07/11 20:29	1
PCB-1254	ND		410	86	ug/Kg	☼	12/07/11 15:02	12/07/11 20:29	1
PCB-1260	ND		410	190	ug/Kg	☼	12/07/11 15:02	12/07/11 20:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*86*		*36 - 182*	*12/07/11 15:02*	*12/07/11 20:29*	*1*
Tetrachloro-m-xylene	*109*		*24 - 172*	*12/07/11 15:02*	*12/07/11 20:29*	*1*

Client: Golder Associates Inc.
Project/Site: Golder - Niagara Transformer site

TestAmerica Job ID: 480-13586-1

Client Sample ID: DOWNSTREAM SEDIMENT
Date Collected: 12/06/11 16:49
Date Received: 12/07/11 09:10

Lab Sample ID: 480-13586-5
Matrix: Solid
Percent Solids: 48.6

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		460	90	ug/Kg	☼	12/07/11 15:02	12/07/11 20:44	1
PCB-1221	ND		460	90	ug/Kg	☼	12/07/11 15:02	12/07/11 20:44	1
PCB-1232	ND		460	90	ug/Kg	☼	12/07/11 15:02	12/07/11 20:44	1
PCB-1242	ND		460	100	ug/Kg	☼	12/07/11 15:02	12/07/11 20:44	1
PCB-1248	ND		460	90	ug/Kg	☼	12/07/11 15:02	12/07/11 20:44	1
PCB-1254	ND		460	97	ug/Kg	☼	12/07/11 15:02	12/07/11 20:44	1
PCB-1260	**2700**		460	220	ug/Kg	☼	12/07/11 15:02	12/07/11 20:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*73*		*36 - 182*	*12/07/11 15:02*	*12/07/11 20:44*	*1*
Tetrachloro-m-xylene	*97*		*24 - 172*	*12/07/11 15:02*	*12/07/11 20:44*	*1*

Surrogate Summary

Client: Golder Associates Inc.
Project/Site: Golder - Niagara Transformer site

TestAmerica Job ID: 480-13586-1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)											
		DCB2	TCX2										
Lab Sample ID	Client Sample ID	(36-182)	(24-172)										
480-13586-4	UPSTREAM SEDIMENT	86	109										
480-13586-5	DOWNSTREAM SEDIMENT	73	97										
LCS 480-43276/8-A	Lab Control Sample	131	150										
MB 480-43276/1-A	Method Blank	109	130										

Surrogate Legend

DCB = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)											
		DCB1	TCX1										
Lab Sample ID	Client Sample ID	(19-112)	(23-127)										
480-13586-1	STORMWATER OUTFALL	56	78										
480-13586-2	STORMWATER UPSTREAM	46	74										
480-13586-3	STORMWATER DOWNSTREAM	58	78										
LCS 480-43546/2-A	Lab Control Sample	55	54										
MB 480-43546/1-A	Method Blank	62	62										

Surrogate Legend

DCB = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-43276/1-A
Matrix: Solid
Analysis Batch: 43269

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 43276

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		220	44	ug/Kg		12/07/11 15:02	12/07/11 19:00	1
PCB-1221	ND		220	44	ug/Kg		12/07/11 15:02	12/07/11 19:00	1
PCB-1232	ND		220	44	ug/Kg		12/07/11 15:02	12/07/11 19:00	1
PCB-1242	ND		220	49	ug/Kg		12/07/11 15:02	12/07/11 19:00	1
PCB-1248	ND		220	44	ug/Kg		12/07/11 15:02	12/07/11 19:00	1
PCB-1254	ND		220	47	ug/Kg		12/07/11 15:02	12/07/11 19:00	1
PCB-1260	ND		220	100	ug/Kg		12/07/11 15:02	12/07/11 19:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*109*		*36 - 182*	*12/07/11 15:02*	*12/07/11 19:00*	*1*
Tetrachloro-m-xylene	*130*		*24 - 172*	*12/07/11 15:02*	*12/07/11 19:00*	*1*

Lab Sample ID: LCS 480-43276/8-A
Matrix: Solid
Analysis Batch: 43269

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 43276

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	2290	3060		ug/Kg		133	51 - 185
PCB-1260	2290	2960		ug/Kg		129	61 - 184

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*131*		*36 - 182*
Tetrachloro-m-xylene	*150*		*24 - 172*

Lab Sample ID: MB 480-43546/1-A
Matrix: Water
Analysis Batch: 43556

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 43546

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		12/08/11 15:01	12/08/11 20:02	1
PCB-1221	ND		0.50	0.18	ug/L		12/08/11 15:01	12/08/11 20:02	1
PCB-1232	ND		0.50	0.18	ug/L		12/08/11 15:01	12/08/11 20:02	1
PCB-1242	ND		0.50	0.18	ug/L		12/08/11 15:01	12/08/11 20:02	1
PCB-1248	ND		0.50	0.18	ug/L		12/08/11 15:01	12/08/11 20:02	1
PCB-1254	ND		0.50	0.25	ug/L		12/08/11 15:01	12/08/11 20:02	1
PCB-1260	ND		0.50	0.25	ug/L		12/08/11 15:01	12/08/11 20:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*62*		*19 - 112*	*12/08/11 15:01*	*12/08/11 20:02*	*1*
Tetrachloro-m-xylene	*62*		*23 - 127*	*12/08/11 15:01*	*12/08/11 20:02*	*1*

Lab Sample ID: LCS 480-43546/2-A
Matrix: Water
Analysis Batch: 43556

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 43546

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	5.00	4.25		ug/L		85	61 - 116
PCB-1260	5.00	4.11		ug/L		82	45 - 110

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 480-43546/2-A
Matrix: Water
Analysis Batch: 43556

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 43546

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	55		19 - 112
Tetrachloro-m-xylene	54		23 - 127

QC Association Summary

Client: Golder Associates Inc.
Project/Site: Golder - Niagara Transformer site

TestAmerica Job ID: 480-13586-1

GC Semi VOA

Analysis Batch: 43269

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-13586-4	UPSTREAM SEDIMENT	Total/NA	Solid	8082	43276
480-13586-5	DOWNSTREAM SEDIMENT	Total/NA	Solid	8082	43276
LCS 480-43276/8-A	Lab Control Sample	Total/NA	Solid	8082	43276
MB 480-43276/1-A	Method Blank	Total/NA	Solid	8082	43276

Prep Batch: 43276

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-13586-4	UPSTREAM SEDIMENT	Total/NA	Solid	3550B	
480-13586-5	DOWNSTREAM SEDIMENT	Total/NA	Solid	3550B	
LCS 480-43276/8-A	Lab Control Sample	Total/NA	Solid	3550B	
MB 480-43276/1-A	Method Blank	Total/NA	Solid	3550B	

Prep Batch: 43546

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-13586-1	STORMWATER OUTFALL	Total/NA	Water	3510C	
480-13586-2	STORMWATER UPSTREAM	Total/NA	Water	3510C	
480-13586-3	STORMWATER DOWNSTREAM	Total/NA	Water	3510C	
LCS 480-43546/2-A	Lab Control Sample	Total/NA	Water	3510C	
MB 480-43546/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 43556

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-13586-1	STORMWATER OUTFALL	Total/NA	Water	8082	43546
480-13586-2	STORMWATER UPSTREAM	Total/NA	Water	8082	43546
480-13586-3	STORMWATER DOWNSTREAM	Total/NA	Water	8082	43546
LCS 480-43546/2-A	Lab Control Sample	Total/NA	Water	8082	43546
MB 480-43546/1-A	Method Blank	Total/NA	Water	8082	43546

General Chemistry

Analysis Batch: 43229

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-13586-4	UPSTREAM SEDIMENT	Total/NA	Solid	Moisture	
480-13586-5	DOWNSTREAM SEDIMENT	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Golder Associates Inc.
Project/Site: Golder - Niagara Transformer site

TestAmerica Job ID: 480-13586-1

Client Sample ID: STORMWATER OUTFALL

Lab Sample ID: 480-13586-1

Date Collected: 12/06/11 16:15
Matrix: Water
Date Received: 12/07/11 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			43546	12/08/11 15:01	DE	TAL BUF
Total/NA	Analysis	8082		1	43556	12/08/11 21:01	JM	TAL BUF

Client Sample ID: STORMWATER UPSTREAM

Lab Sample ID: 480-13586-2

Date Collected: 12/06/11 16:25
Matrix: Water
Date Received: 12/07/11 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			43546	12/08/11 15:01	DE	TAL BUF
Total/NA	Analysis	8082		1	43556	12/08/11 21:16	JM	TAL BUF

Client Sample ID: STORMWATER DOWNSTREAM

Lab Sample ID: 480-13586-3

Date Collected: 12/06/11 16:45
Matrix: Water
Date Received: 12/07/11 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			43546	12/08/11 15:01	DE	TAL BUF
Total/NA	Analysis	8082		1	43556	12/08/11 21:31	JM	TAL BUF

Client Sample ID: UPSTREAM SEDIMENT

Lab Sample ID: 480-13586-4

Date Collected: 12/06/11 16:38
Matrix: Solid
Date Received: 12/07/11 09:10
Percent Solids: 55.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			43276	12/07/11 15:02	KB	TAL BUF
Total/NA	Analysis	8082		1	43269	12/07/11 20:29	JM	TAL BUF
Total/NA	Analysis	Moisture		1	43229	12/07/11 12:50	ZLR	TAL BUF

Client Sample ID: DOWNSTREAM SEDIMENT

Lab Sample ID: 480-13586-5

Date Collected: 12/06/11 16:49
Matrix: Solid
Date Received: 12/07/11 09:10
Percent Solids: 48.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			43276	12/07/11 15:02	KB	TAL BUF
Total/NA	Analysis	8082		1	43269	12/07/11 20:44	JM	TAL BUF
Total/NA	Analysis	Moisture		1	43229	12/07/11 12:50	ZLR	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: Golder Associates Inc.
Project/Site: Golder - Niagara Transformer site

TestAmerica Job ID: 480-13586-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Buffalo	Arkansas	State Program	6	88-0686
TestAmerica Buffalo	California	NELAC	9	1169CA
TestAmerica Buffalo	Connecticut	State Program	1	PH-0568
TestAmerica Buffalo	Florida	NELAC	4	E87672
TestAmerica Buffalo	Georgia	Georgia EPD	4	N/A
TestAmerica Buffalo	Georgia	State Program	4	956
TestAmerica Buffalo	Illinois	NELAC	5	100325 / 200003
TestAmerica Buffalo	Iowa	State Program	7	374
TestAmerica Buffalo	Kansas	NELAC	7	E-10187
TestAmerica Buffalo	Kentucky	Kentucky UST	4	30
TestAmerica Buffalo	Kentucky	State Program	4	90029
TestAmerica Buffalo	Louisiana	NELAC	6	02031
TestAmerica Buffalo	Maine	State Program	1	NY0044
TestAmerica Buffalo	Maryland	State Program	3	294
TestAmerica Buffalo	Massachusetts	State Program	1	M-NY044
TestAmerica Buffalo	Michigan	State Program	5	9937
TestAmerica Buffalo	Minnesota	NELAC	5	036-999-337
TestAmerica Buffalo	New Hampshire	NELAC	1	2337
TestAmerica Buffalo	New Hampshire	NELAC	1	68-00281
TestAmerica Buffalo	New Jersey	NELAC	2	NY455
TestAmerica Buffalo	New York	NELAC	2	10026
TestAmerica Buffalo	North Dakota	State Program	8	R-176
TestAmerica Buffalo	Oklahoma	State Program	6	9421
TestAmerica Buffalo	Oregon	NELAC	10	NY200003
TestAmerica Buffalo	Pennsylvania	NELAC	3	68-00281
TestAmerica Buffalo	Tennessee	State Program	4	TN02970
TestAmerica Buffalo	Texas	NELAC	6	T104704412-08-TX
TestAmerica Buffalo	USDA	USDA		P330-08-00242
TestAmerica Buffalo	Virginia	NELAC Secondary AB	3	460185
TestAmerica Buffalo	Virginia	State Program	3	278
TestAmerica Buffalo	Washington	State Program	10	C1677
TestAmerica Buffalo	Wisconsin	State Program	5	998310390

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: Golder Associates Inc.
Project/Site: Golder - Niagara Transformer site

TestAmerica Job ID: 480-13586-1

Method	Method Description	Protocol	Laboratory
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Golder Associates Inc.
Project/Site: Golder - Niagara Transformer site

TestAmerica Job ID: 480-13586-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-13586-1	STORMWATER OUTFALL	Water	12/06/11 16:15	12/07/11 09:10
480-13586-2	STORMWATER UPSTREAM	Water	12/06/11 16:25	12/07/11 09:10
480-13586-3	STORMWATER DOWNSTREAM	Water	12/06/11 16:45	12/07/11 09:10
480-13586-4	UPSTREAM SEDIMENT	Solid	12/06/11 16:38	12/07/11 09:10
480-13586-5	DOWNSTREAM SEDIMENT	Solid	12/06/11 16:49	12/07/11 09:10

[redacted]

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
COLDER ASSOCIATES	PATRICK MARTIN	12/6/11	197879
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page**
2430 N. FOREST RD, STE 100	716 - 204 5880		Page 1 of 1
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	**Analysis (Attach list if more space is needed)**
GETZVILLE / NY / 14068	—	EDWIN FISCHER	
Project Name and Location (State)	**Carrier/Waybill Number**		
NIAGARA TRANSFORMER - 1755 DAVIS RD.			
Contract/Purchase Order/Quote No.			
093-8914402			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed	Soil	Containers & Preservatives: Unpres.	HNO3	HCl	NaOH	ZnAc/NaOH	PCBs 608	Special Instructions/ Conditions of Receipt
STORM WATER OUTFALL	12/6/11	4:15 PM		X			X					X	2 x 1L
STORM WATER UPSTREAM		4:25 PM		X			X					X	2 x 1L
STORM WATER DOWNSTREAM		4:45 PM		X								X	2 x 1L
UPSTREAM SEDIMENT		4:38 PM			X							X	1 x 4oz.
DOWNSTREAM SEDIMENT		4:49 PM			X							X	1 x 4oz

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ___ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other

QC Requirements (Specify)

1. Relinquished By: Patrick T. Martin	Date: 12/7/11	Time: 09:10	1. Received By: [redacted]	Date: 12/7/11	Time: 410
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments: 4.9

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Login Sample Receipt Checklist

Client: Golder Associates Inc.

Job Number: 480-13586-1

Login Number: 13586

List Source: TestAmerica Buffalo

List Number: 1

Creator: Wienke, Robert

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	False	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

APPENDIX B

ANNUAL SITE INSPECTION FORM - DECEMBER 6, 2011

Niagara Transformer Corporation

ERIE, NEW YORK

Site Management Plan

NYSDEC Site Number: C915234

SITE-WIDE INSPECTION FORM

Inspection Item Description	Frequency	Comments	Corrective Action (If Required)
BCP Site General Conditions	Annually	VEGETATION ESTABLISHED, NO EROSION OF BERMS NOTED	NONE
Excavation Work Locations – General Conditions	Per Occurrence	NOT APPLICABLE - NO INTRUSIVE EXCAVATIONS PERFORMED IN 2011 ONLY PLACEMENT OF STONE FILL & TOPSOIL	NONE
Stormwater Retention Pond-Outfall Sampling Location General Condition	Annually	NO SEDIMENT PRESENT IN OUTFALL STRUCTURE	NONE

DATE: DECEMBER 6, 2011

BY: Richard T. Munson