PERIODIC REVIEW REPORT

For

PORT-GREENBELT SHORELINE IMPROVEMENT PROJECT CITY OF BUFFALO, ERIE COUNTY, NEW YORK

SITE NO. B-00149-9

Prepared by:



C&S ENGINEERS, INC. 141 ELM STREET, SUITE 100 BUFFALO, NEW YORK 14203

Prepared on Behalf of:

ERIE CANAL HARBOR DEVELOPMENT CORPORATION 95 PERRY STREET BUFFALO, NEW YORK 14203

JUNE 2016

EXECUTIVE SUMMARY

The Port-Greenbelt Project (Site) is 15.83 acres within a 164.48-acre parcel on Buffalo's Outer Harbor Area adjacent to Fuhrmann Boulevard. The Site runs parallel to the shoreline from the Buffalo Harbor Slip to the Terminal B building.

Previous site investigations determined that both surface and subsurface soils exceeded Part 375 Soil Cleanup Objectives for Commercial Use. A subsequent remedial program was designed to keep contaminated soil/fill from washing into Lake Erie and to prevent direct human contact. The remedial efforts that consisted of the removal of contaminated soil along the shoreline, shoreline stabilization, installation of a soil cover, and the institutional controls that were put in place are meeting this goal.

This is the third annual review of the Site Management Plan.

The Port Greenbelt project is in compliance with all major elements of the Site Management Plan. Review of additional action may be considered in a section of the Bell Slip where soil sloughing/erosion is occurring beyond the stone revetment.

No changes to the Site Management Plan are needed or recommended at this time. Additional erosion protection may be considered in the Bell Slip to prevent further erosion that may threaten human health and the environment.

1 INTRODUCTION

On November 18, 2011 the Niagara Frontier Transportation Authority (NFTA) received a Certificate of Completion for the remedial program at the Port-Greenbelt Shoreline Improvement Program. The Port-Greenbelt Project (Site) is 15.83 acres within a 164.48acre parcel on Buffalo's Outer Harbor Area adjacent to Fuhrmann Boulevard. The Site runs parallel to the shoreline from the Buffalo Harbor Slip to the Terminal B building.

This is the third Periodic Review Report required as part of the Site Management Plan prepared on behalf of the Erie Canal Harbor Development Corporation (ECHDC), the new Site owner, and submitted to the New York State Department of Environmental Conservation (NYSDEC). This report was prepared in accordance with the requirements in the NYSDEC DER-10 Technical Guidance for Site Investigation and Remediation.

2 **SITE OVERVIEW**

The Site is located adjacent to Lake Erie and parallel to Fuhrmann Boulevard, in the City of Buffalo, Erie County (Figure 1). The adjoining property is generally undeveloped.

The Site and the majority of the land surrounding it was created as a result of land reclamation and filling starting in 1874 and continuing for nearly 100 years. The land is generally composed or heterogeneous fill including dredged materials from the shipping channel, construction fill, concrete, stone, slag and other materials.

Most of the 164-acre Buffalo Outer Harbor was once listed as a Class 2 Inactive Hazardous Waste Disposal Site based on preliminary site assessments. Following further investigation, most of the site was delisted with only the area named the "Radio Tower Area" remaining classified as a Class 2 Inactive Hazardous Waste Site. However, previous Remedial and Site Investigations determined that both surface and subsurface soils exceeded Part 375 Soil Cleanup Objectives for Commercial Use. Based on these findings, NFTA subsequently submitted a Remedial Alternatives Report in support of a Brownfield Cleanup Application for the redevelopment of the Site.

In 2002, an Environmental Record of Decision (ROD) was issued by the New York State Department of Environmental Conservation which identified the remedial actions necessary for the Site. The specific actions that were taken to implement the remedy in accordance with the ROD included:

- Along the shoreline concrete, marble, and other stone rubble was removed.
- Contaminated fill and soil was excavated and the slopes were re-graded.
- For the shoreline, excluding portions of the Bell Slip, a geotextile fabric was installed and a heavy, armor stone revetment was constructed.
- Within the Bell Slip, not stabilized by heavy stone, two lengths of approximately 150 feet in length were partially stabilized using jute fiber matting, a toe sock, plantings and soil/stone mix.

- The upland area was re-graded with soil excavated from the shoreline and a geotextile fabric was installed.
- A soil cover system was constructed consisting of a minimum of 12 inches of clean soil and/or an asphalt bicycle/pedestrian trail along the entire upland area of the Site.
- An environmental easement was placed on the property which included the implementation of a Site Management Plan and annual certification of the engineering and institutional controls.

In 2014, the Niagara Frontier Transportation Authority (NFTA) officially transferred the property to Erie Canal Development Corporation (ECHDC). As such, ECHDC assumed the responsibility to implement the ongoing obligations described in the environmental easement.

3 <u>Remedy Performance, Effectiveness and Protectiveness</u> Evaluation

As described in the sections below, the remedy selected for the Site, construction and maintenance of shoreline stabilization and a soil cover system, is effective in ensuring that site soil/fill does not enter Lake Erie and limiting human contact with soil/fill in all areas of the Site, except for one location within the Bell Slip. This area may require additional measures due to soil sloughing/erosion.

The institutional controls will limit future impacts. No further remedial goals were established for the Site.

4 EVALUATION OF ENGINEERING AND INSTITUTIONAL CONTROLS

Engineering Controls

The specific engineering controls for the Site are:

- The stone revetment along the shoreline and underlying geotextile fabric
- The stone berm in the Bell Slip and topsoil/soil cover
- The asphalt pathway
- The soil cover system and underlying geotextile fabric

No long-term treatment systems were installed.

Institutional Controls

To ensure ongoing effectiveness of the remedy, the NFTA executed an Environmental Easement to restrict land use and prevent future exposure to any remaining contamination

at the Site. Development of a Site Management Plan (SMP), which included plans for Institutional and Engineering Controls, Monitoring, and Reporting, was required to evaluate and monitor the remedy.

Specific institutional controls were required to ensure the remedial program continues to prohibit the remaining contamination from entering Lake Erie or coming into contact with humans, including:

- Compliance with the Environmental Easement and the SMP by the NFTA and any successors;
- All Engineering Controls must be maintained as specified by the SMP;
- All Engineering Controls must be inspected as required by the SMP;
- Reporting to the NYSDEC must be done annually for the first three years.

In addition, the Institutional Controls called for site use restrictions within the boundaries of the Greenbelt, pursuant to the Environmental Easement, which include the following:

- The property may only be used for public passive recreation use provided that the long-term engineering and institutional controls are employed.
- A higher level of use, such as unrestricted or restricted residential, may not occur on the site without additional remediation and amendment of the Environmental Easement and approval by the NYSDEC.
- Future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the Site Management Plan.
- The use of groundwater is prohibited without treatment rendering it safe for the intended use.
- Vegetable gardens and farming on the property are prohibited.
- The site owner or remedial party will submit to NYSDEC a written statement the certifies, under penalty of perjury, that (1) controls employed at the Site 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 the Site at any time in order to evaluate the continued maintenance or 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.

Site Visit

The annual Site Visit was conducted June 9, 2016. In general, the site was in good condition and in compliance with the requirements of the Environmental Easement. Site visit notes are included as **Appendix A** and selected photos are included as **Appendix B**.

Soil Cover

The soil cover is still in good condition. There were no indications of additional erosion or depressions.

Revetment and Armor Stones

The armor stone revetment was in very good condition and showed no signs of failure or slipping. No stones were displaced or showed any signs of disintegration.

There were no sites along the edge of the revetment where geotextile fabric is visible.

Asphalt Pathway

The asphalt path is in good condition and is lightly showing signs of wear.

Bell Slip - Stone Berm and Soil/Topsoil

Generally, the slip looked to be in good condition with significant portions of the area covered with stones and grass cover. There were occasional animal burrows near trees located in the Bell Slip area. There was also debris along the water's edge.

No geotextile fabric was exposed at the Bell Slip. However, there is evidence of soil erosion/sloughing in one area of the slip, which is shown in **Figure 2**. A portion of the slope in this location has a vertical face where there is no soil or vegetation in an area behind a portion of the stone revetment. The soil cover in this portion of the Bell Slip appeared darker due to possible ponding from water that has overtopped the stone barrier during periods of high lake levels. There is also erosion from water scouring the soil behind the revetment and also slight damage to the gravel-filled bag which was displaced and tangled with some netting on shore.

Throughout the remainder of the Bell Slip, the geotextile sock along the water's edge showed some minor signs of damage. However, the contents of the sock were still in place and no erosion or sloughing was observed adjacent to the sock. Therefore, the sock is considered to be acting as designed.

5 MONITORING PLAN COMPLIANCE

Annual monitoring of the Site is required to evaluate:

- Whether engineering controls continue to perform as designed;
- If these controls continue to be protective of human health and the environment;
- Compliance with requirements of the Site Management Plan and the Environmental Easement;
- Are site records complete and up to date; and
- Changes to the remedy or monitoring system.

A visual inspection of the soil cover system must be conducted annually in late spring. The soil cover will be monitored for signs of erosion, settlement, denuded areas, subsidence along the edges of the stone revetment and any other signs of damage. The form to be completed during this inspection was included in the SMP and is included in **Appendix A**.

Site-wide Inspections must also be performed at least once a year and after all severe weather conditions that may affect the Engineering Controls. The inspections must assess:

- Compliance with all Institutional Controls, including site usage;
- The condition and continued effectiveness of Engineering Controls;
- General site conditions;
- Site management activities being conducted; and
- Confirm site records are up to date.

The Site Monitoring Plan was undertaken as required in the Site Management Plan, specifically:

- A visual inspection of the soil cover system was undertaken in June of 2016;
- A site-wide inspection was completed at the same time; and
- The approved site inspection forms were used.

During the transfer of the Site, there was a delay in the site-wide inspection and visual inspection of the soil cover; however, there were no further deficiencies in the monitoring plan.

6 **OPERATIONS AND MAINTENANCE PLAN**

Not Applicable.

7 <u>CONCLUSION AND RECOMMENDATIONS</u>

Compliance with Site Management Plan

Institutional/Engineering Controls

The Site is in compliance with all items with all requirements of the SMP. Additional measures may be required due to some limited erosion/sloughing in a portion of the Bell Slip.

Monitoring Plan

Site is in compliance will all aspects of the monitoring plan.

Performance and Effectiveness of Remedy

The remedy is acting as designed, with the exception of one portion of the Bell Slip, effectively limiting human exposure to buried contaminants and preventing contaminated soil from entering Lake Erie.

Future Periodic Review Report Submittals

No changes are proposed to the submission of review reports, and they will continue to be submitted annually.

8 **CERTIFICATION**

The certification forms are included as **Appendix C**.

FIGURES



LEGEND

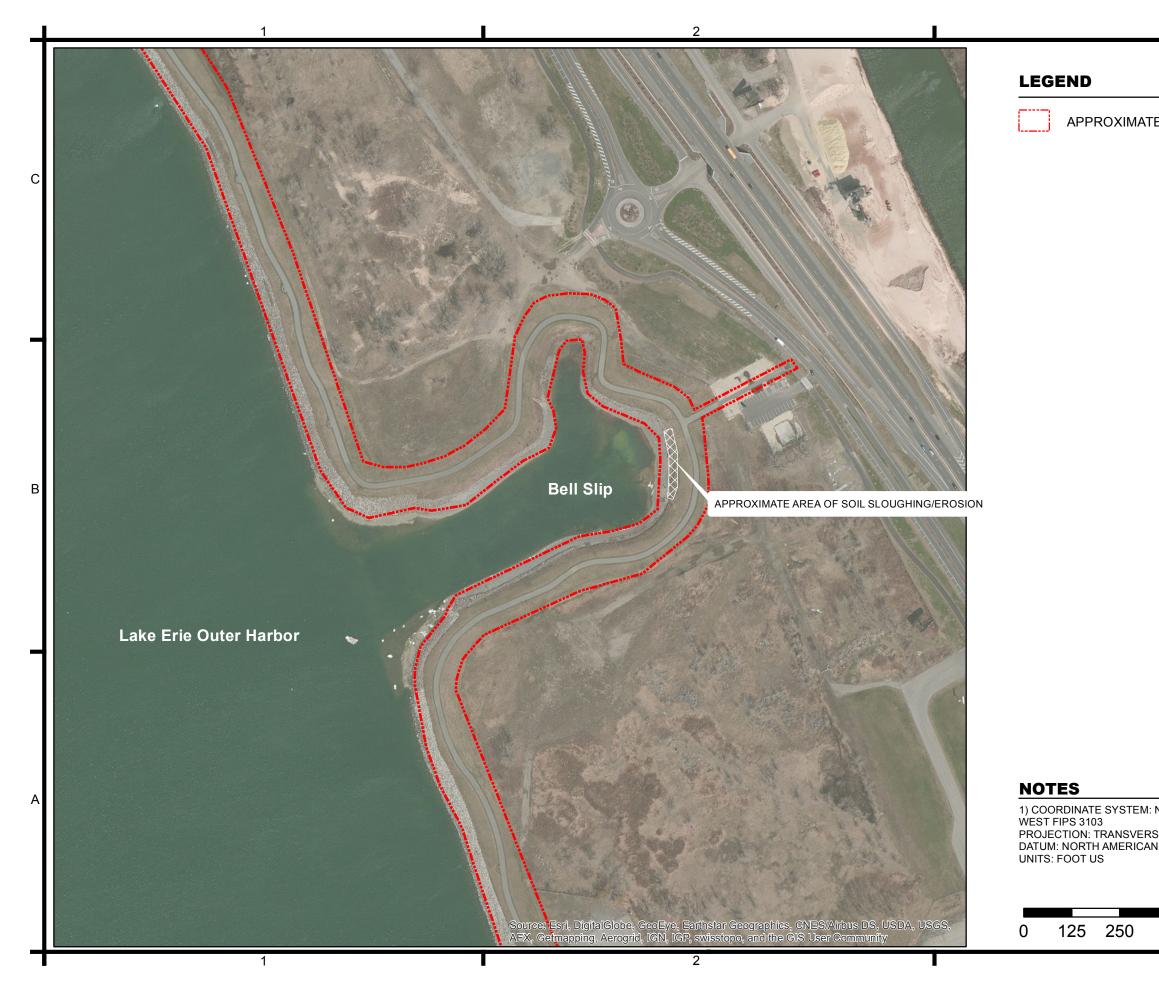
GREENBELT BO

NOTES

1) COORDINATE SYSTEM: NA WEST FIPS 3103 PROJECTION: TRANSVERSE DATUM: NORTH AMERICAN 19 UNITS: FOOT US

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Feet 1,400		FIGURE 1
3		



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E GREENBELT BOUNDARY	С	CESSECOMPANIES COMPANIES C&S Engineers, Inc. H11 Elm Street Buffalo, New York 14203 Phone: 716-847-1630 Fax: 716-847-1454 www.cscos.com
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APPENDICES

APPENDIX A SITE INSPECTION FORMS

NFTA PORT-GREENBELT SHORELINE IMPROVEMENT PROJECT SITE MANAGEMENT PLAN

NYSDEC SITE NO. B-00149-9

ENGINEERING CONTROL SYSTEMS INSPECTION FORM

Page 1 of 2

Component	Item	Comments
Soil Cover	Obvious subsidence, depressions or cracks Evidence of ponded water Stressed or missing vegetation Soil erosion due to surface runoff Animal burrows Debris or Illegal Dumping Other:	No depressions or cracks; No ponded water; evidence of possible past pooling in the Bell Slip area where grass is darker; Some exposed soil; No erosion in other areas, but some erosion in the Bell Slip; Some animal burrows amongst trees in Bell Slip; and Presence of invasive species (Knotweed)
Stone Revetment	Obvious subsidence or depressions Displaced armor stones Disintegration, cracking or spalling of armor stones Sloughing or slippage of revetment Animal burrows Washout of adjacent soil into stone revetment	No subsidence or depressions No displaced stones No disintegration or spalling No slippage No burrows One area of possible washout of adjacent soil into stone revetment; elsewhere none.

J:\11174825.0000\WORD\DRAFT\Site Management Plan\SMP APPENDIX G - EC Inspection Form.doc

NFTA PORT-GREENBELT SHORELINE IMPROVEMENT PROJECT SITE MANAGEMENT PLAN

NYSDEC SITE NO. B-00149-9

ENGINEERING CONTROL SYSTEMS INSPECTION FORM

Component	Item	Comments Page 2 of 2
Asphalt Pedestrian/Bicycle Pathway	Obvious subsidence, depressions or cracks Evidence of ponded water Evidence of sloughing/raveling along edges Other:	Path is in very good condition Evidence of light wear No obvious subsidence, depressions or cracks.
Bell Slip	Obvious subsidence, depressions or cracks Soil erosion due to surface runoff Sloughing of slopes Exposed geotextile fabric Damage to geotextile 'sock' along water's edge Damage/displacement of seagull perch poles Scarp formation in soil slopes Displaced armor stones Dead or stressed vegetation	Evidence of soil erosion behind large stone revetment where soil slope is a vertical drop and some fabric exposed; Sock in place, minor deterioration; No displaced stones or poles; No vegetation concerns; and Some debris along shore from human recreational use.

Date:

06/09/2016

Inspector: Alayna

Alayna DeMarchi

NFTA PORT-GREENBELT SHORELINE IMPROVEMENT PROJECT SITE MANAGEMENT PLAN

NYSDEC SITE NO. B-00149-9

SITE-WIDE INSPECTION FORM

Date: 06/09/2016

Inspector:

Weather: Sunny/Partly Cloudy

Signature:

Alayna DeMarchi llaynDethank

Temperature: 65 Degrees Fahrenheit

Company: <u>C&S Engineers, Inc.</u>

Quarter:

First Second T (Circle One)

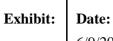
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Item Inspected	Maintenance Needed (Y/N)	Comments
General Site Access	N	Very good
Soil Cover/Grass Cover	N	Good
Asphalt Pedestrian/Bicycle Pathway	N	Good
Stone Revetment	N	Very good
Drainage Swales/Channels	N	Good
Bell Slip Slopes	Y	Erosion along bank. See Photo Log.
Trees, Bushes, Other Vegetation	N	Good

J:\11174825.00000\WORD\DRAFT\Site Management Plan\SMP APPENDIX F Site-Wide Inspection Form.doc

APPENDIX B Site Visit Photos

APPENDIX B



6/9/2016

Description:

Looking north along stone revetment from southern portion of Greenbelt, south of Bell Slip.

Port-Greenbelt

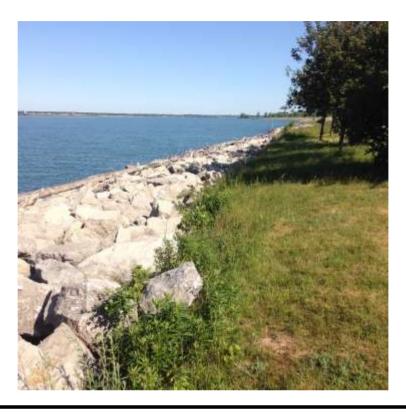


Exhibit:	Date:
1	6/9/2016

Description:

Looking south from northern portion of Greenbelt



APPENDIX B

Exhibit:	Date:
2	6/9/2016

Description:

Looking south along bike/pedestrian path

Port-Greenbelt PRR



Exhibit:	Date:
3	6/9/2016

Description:

Looking north from middle of Greenbelt. Stone revetment has some soil/grass on top.



APPENDIX B

Exhibit:	Date:
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4

6/9/2016

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Description:

Looking south at entrance of Bell Slip

Port-Greenbelt PRR



Exhibit:	Date:
5	6/9/2016

Description:

Looking east along northern bank of Bell Slip. Netting from erosion control is visible.



APPENDIX B

Exhibit: D	ate:
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6

6/9/2016

Description:

animal burrows near tree east of Bell Slip **Port-Greenbelt PRR**



Exhibit:	Date:
7	6/9/2016

Description:

Looking south along eastern bank of Bell Slip (see Figure 2). Vertical banks are visble above stone revetment.



APPENDIX B

Exhibit:	Date:
0	6/0/20

8

6/9/2016

Description:

Looking north along eastern bank of Bell Slip (see Figure 2). Fabric and soil erosion visible above stones.

Port-Greenbelt PRR



Exhibit:	Date:
9	6/9/2016

Description:

Looking south along eastern bank of Bell Slip (see Figure 2). Vertical banks are visble above stone revetment.



Exhibit:	Date:	
10	6/9/2016	

Description:

Netting and part of toe sock visible on eastern bank of Bell Slip **Port-Greenbelt PRR**



Exhibit:	Date:
11	6/9/2016

Description:

Looking north along path near eastern bank of Bell Slip. Darker grass and apparent depression near bench.



Exhibit:	Date:
12	6/9/2016

12

Description:

Looking north at entrace to Bell Slip



APPENDIX C Certification Forms



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



Sit	te No. B00149 Site Details	Box 1	
Sit	te Name NFTA Outer Harbor Greenbelt		
Cit Co	e Address: Outer Lots 44-50 and Ogden Gore Tracts 1-2 Zip Code: 14203- ty/Town: Buffalo (C) ounty: Erie e Acreage: 15.8		
Re	eporting Period: October 20, 2014 to October 20, 2015		
		YES	NO
1.	Is the information above correct?	X	
	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?		$\mathbf{X}_{\mathbf{A}}$
	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?		Ŕ
	Is the site currently undergoing development?	Box 2	¥
	Is the site currently undergoing development?		Я NO
6.	Is the site currently undergoing development? Is the current site use consistent with the use(s) listed below? Commercial and Industrial	Box 2	
6. 7.	Is the current site use consistent with the use(s) listed below?	Box 2 YES	NO
_	Is the current site use consistent with the use(s) listed below? Commercial and Industrial	Box 2 YES	NO
7.	Is the current site use consistent with the use(s) listed below? Commercial and Industrial 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	Box 2 YES A	NO
7.	Is the current site use consistent with the use(s) listed below? Commercial and Industrial 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.	Box 2 YES A	NO
7. A C	Is the current site use consistent with the use(s) listed below? Commercial and Industrial 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.	Box 2 YES A	NO

	149	Box 3
Descr	iption of Institutional Controls	<i>,</i>
Parcel	Owner	Institutional Control
121.12-1-3	Erie Canal Harbor Development Corp.	Ground Water Use Restriction Soil Management Plan Landuse Restriction
		Monitoring Plan Site Management Plan IC/EC Plan
See Parcel 122.	09-1-1 (461 Fuhrmann Boulevard) for descriptic	on.
122.09-1-1	Erie Canal Harbor Development Corp.	Ground Water Use Restriction Landuse Restriction Site Management Plan
		Soil Management Plan
		Monitoring Plan
		IC/EC Plan
of 12 inches of c A visual inspecti will be monitored	lean soil; an asphalt bicycle/pedestrian trail; an	least annually, in the late spring. The soil cove
The property r Institutional Con includes passive The property r without additional	that apply to the Controlled Property are: may only be used for public passive recreation u trols included in this SMP are employed. (Note recreational uses, which are public uses with li may not be used for a higher level of use, such al remediation and amendment of the Environme	that "commercial use" as defined in Part 375 imited potential for soil contact.) as unrestricted or restricted residential, use
accordance with The use of the intended use; 	this SMP; groundwater underlying the property is prohibi	ted without treatment rendering it safe for
accordance with • The use of the intended use; • Vegetable gar • The site owne perjury, that: (1) that any changes ability of the con with the SMP. N' continued mainte	this SMP; e groundwater underlying the property is prohibited rdens and farming on the property are prohibited or or remedial party will submit to NYSDEC a wri- controls employed at the Controlled Property are s to the controls were approved by the NYSDEC trols to protect public health and environment or	ted without treatment rendering it safe for d; itten statement that certifies, under penalty of re unchanged from the previous certification or C; and, (2) nothing has occurred that impairs the r that constitute a violation or failure to comply lled Property at any time in order to evaluate the shall be submitted annually, or an alternate
accordance with • The use of the intended use; • Vegetable gar • The site owne perjury, that: (1) that any changes ability of the com with the SMP. N' continued mainted period of time the The site has be disturb the remaining	this SMP; e groundwater underlying the property is prohibi- r or remedial party will submit to NYSDEC a wri- controls employed at the Controlled Property ar s to the controls were approved by the NYSDEC trols to protect public health and environment of YSDEC retains the right to access such Control enance of any and all controls. This certification at NYSDEC may allow and will be made by an e	ted without treatment rendering it safe for d; itten statement that certifies, under penalty of re unchanged from the previous certification or C; and, (2) nothing has occurred that impairs the r that constitute a violation or failure to comply lled Property at any time in order to evaluate the shall be submitted annually, or an alternate
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accordance with • The use of the intended use; • Vegetable gar • The site owne perjury, that: (1) that any changes ability of the con with the SMP. N continued mainte period of time the The site has be disturb the remain is attached as Applied	this SMP; a groundwater underlying the property is prohibi- rdens and farming on the property are prohibited or or remedial party will submit to NYSDEC a wri- controls employed at the Controlled Property are s to the controls were approved by the NYSDEC trols to protect public health and environment of YSDEC retains the right to access such Control enance of any and all controls. This certification at NYSDEC may allow and will be made by an e- en remediated for public passive recreation use ining contamination will be performed in complia ppendix C to the Site Management Plan.	ted without treatment rendering it safe for d; itten statement that certifies, under penalty of re unchanged from the previous certification or C; and, (2) nothing has occurred that impairs the r that constitute a violation or failure to comply lled Property at any time in order to evaluate the shall be submitted annually, or an alternate expert that the NYSDEC finds acceptable. a. Any future intrusive work that will encounter of ance with the Excavation Work Plan (EWP) that Ground Water Use Restriction Soil Management Plan Landuse Restriction
accordance with • The use of the intended use; • Vegetable gar • The site owne perjury, that: (1) that any changes ability of the con with the SMP. N continued mainte period of time the The site has be disturb the remain is attached as Applied	this SMP; a groundwater underlying the property is prohibi- rdens and farming on the property are prohibited or or remedial party will submit to NYSDEC a wri- controls employed at the Controlled Property are s to the controls were approved by the NYSDEC trols to protect public health and environment of YSDEC retains the right to access such Control enance of any and all controls. This certification at NYSDEC may allow and will be made by an e- en remediated for public passive recreation use ining contamination will be performed in complia ppendix C to the Site Management Plan.	ted without treatment rendering it safe for d; itten statement that certifies, under penalty of re unchanged from the previous certification or C; and, (2) nothing has occurred that impairs th r that constitute a violation or failure to comply lled Property at any time in order to evaluate th shall be submitted annually, or an alternate expert that the NYSDEC finds acceptable. e. Any future intrusive work that will encounter of ance with the Excavation Work Plan (EWP) tha Ground Water Use Restriction Soil Management Plan

See Parcel 122.09-1-1 (461 Fuhrmann Boulevard) for description.

122.13-1-2	Erie Canal Harbor Development Corp. 1-1 (461 Fuhrmann Boulevard) for description.	Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan IC/EC Plan
122.17-1-1	Erie Canal Harbor Development Corp.	Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan IC/EC Plan
See Parcel 122.09-	1-1 (461 Fuhrmann Boulevard) for description.	
Descripti	on of Engineering Controls	Box 4
Parcel 121.12-1-3	Engineering Control Cover System	
122.09-1-1	Cover System	· ·
122.13-1-1	Cover System	
122.13-1-2	Cover System	
122.17-1-1	Cover System	
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	3	· · · · · ·

	E	Box 5
	Periodic Review Report (PRR) Certification Statements	
1.	I certify by checking "YES" below that:	
	a) the Periodic Review report and all attachments were prepared under the direction of, ar reviewed by, the party making the certification;	nd
	b) to the best of my knowledge and belief, the work and conclusions described in this certi are in accordance with the requirements of the site remedial program, and generally accep engineering practices; and the information presented is accurate and compete.	fication Ited
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		ב
2.	If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Insti or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:	tutional
	(a) the Institutional Control and/or Engineering Control(s) employed at this site is unchange the date that the Control was put in-place, or was last approved by the Department;	ed since
	(b) nothing has occurred that would impair the ability of such Control, to protect public hea the environment;	Ith and
	(c) access to the site will continue to be provided to the Department, to evaluate the remean including access to evaluate the continued maintenance of this Control;	ły,
	(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, t mechanism remains valid and sufficient for its intended purpose established in the docume	he nt.
	YES N	IQ
]
	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	s.
	Signature of Owner, Remedial Party or Designated Representative Date	

IC CERTIFICATIONS SITE NO. B00149	
	Box 6
SITE OWNER OR DESIGNATED REPRESENTATIVE SI I certify that all information and statements in Boxes 1,2, and 3 are true. I statement made herein is punishable as a Class "A" misdemeanor, pursus Penal Law.	understand that a false
print name at 95 print business addres	, SS
am certifying aso ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	(Owner or Remedial Party
for the Site named in the Site Details Section of this form.	
Signature of Owner, Remedial Party, or Designated Representative Rendering Certification	6/29/11 Date
¥ *	

IC/EC CERTIFICATIONS

Qualified Environmental Professional Signature

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

 DWIEL
 E.
 RIKEL
 at
 C \$ S From FEPS, 141 Elm ST, Buffero

 print name
 print business address
 am certifying as a Qualified Environmental Professional for the _____ ECHDC (Owner or Remedial Party) 5 Kl 6/29/16 Signature of Qualified Environmental Professional, for Stamp Date the Owner or Remedial Party, Rendering Certification (Required for PE)

Box 7