New York State Department of Environmental Conservation

Brownfield Cleanup Program

Site #915029

Citizen Participation Plan
for the
193 Ship Canal Parkway Site

193 Ship Canal Parkway Site
City of Buffalo
Erie County, New York

April 2011

Contents

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Note: The information presented in this Citizen Participation Plan was current as of the date of its approval by the New York State Department of Environmental Conservation. Portions of this Citizen Participation Plan may be revised during the Brownfield site's remedial process.

Applicant: **Buffalo Urban Development Corporation**
Site Name: **193 Ship Canal Parkway Site**
Site Address: **193 Ship Canal Parkway, Buffalo, N.Y. 14218**
Site County: **Erie County**
Site Number: **915029**

1. What is New York's Brownfield Cleanup Program?

New York's Brownfield Cleanup Program (BCP) is designed to encourage the private sector to investigate, remediate (clean up) and redevelop brownfields. A Brownfield is any real property where redevelopment or reuse may be complicated by the presence or potential presence of a contaminant. A Brownfield typically is a former industrial or commercial property where previous operations may have resulted in contaminant impacts to air, soil and groundwater media. A Brownfield can pose environmental, legal and financial burdens on a community. If the Brownfield is not addressed, it can reduce property values in the area and affect economic development of nearby properties.

The BCP is administered by the New York State Department of Environmental Conservation (NYSDEC) which oversees Applicants that conduct Brownfield site remedial activities.[1] An Applicant is a person whose request to participate in the BCP has been accepted by NYSDEC. The BCP contains investigation and remediation (cleanup) requirements, ensuring that cleanups protect public health and the environment. When NYSDEC certifies that these requirements have been met, the property can be reused or redeveloped for the intended use.

For more information about the BCP, go online at: **www.dec.ny.gov/chemical/8450.html .**

2. Citizen Participation Plan Overview

This Citizen Participation (CP) Plan provides members of the affected and interested public with information about how NYSDEC will inform and involve them during the investigation and remediation of the site identified above. The public information and involvement program will be carried out with assistance, as appropriate, from the Applicant.

Appendix A contains a map identifying the location of the site.

[1] "Remedial activities", "remedial action", and "remediation" are defined as all activities or actions undertaken to eliminate, remove, treat, abate, control, manage, or monitor contaminants at or coming from a Brownfield site.

Project Contacts

Appendix B identifies NYSDEC project contact(s) to whom the public should address questions or request information about the site's remedial program. The public's suggestions about this CP Plan and the CP program for the site are always welcome. Interested people are encouraged to share their ideas and suggestions with the project contacts at any time.

Document Repositories

The locations of the site's document repositories also are identified in **Appendix B**. The document repositories provide convenient access to important project documents for public review and comment.

Site Contact List

Appendix C contains the Brownfield site contact list. This list has been developed to keep the community informed about, and involved in, the site's investigation and remediation process. The brownfield site contact list will be used periodically to distribute fact sheets that provide updates about the status of the project. These will include notifications of upcoming remedial activities at the site (such as fieldwork), as well as availability of project documents and announcements about public comment periods.

The Brownfield site contact list includes, at a minimum:

- chief executive officer and official(s) principally involved with relevant zoning and planning matters of each county, city, town and village in which the site is located;
- residents, owners, and occupants of the site and properties adjacent to the site;
- the public water supplier which services the area in which the site is located;
- any person who has requested to be placed on the site contact list;
- the administrator of any school or day care facility located on or near the site for purposes of posting and/or dissemination of information at the facility;
- document repositories.

Where the site or adjacent real property contains multiple dwelling units, the Applicant will work with NYSDEC to develop an alternative method for providing such notice in lieu of mailing to each individual. For example, the owner of such a property that contains multiple dwellings may be requested to prominently display fact sheets and notices required to be developed during the site's remedial process. This procedure would substitute for the mailing of such notices and fact sheets, especially at locations where renters, tenants and other residents may number in the hundreds or thousands, making the mailing of such notices impractical.

The Brownfield site contact list will be reviewed periodically and updated as appropriate. Individuals and organizations will be added to the site contact list upon request. Such requests should be submitted to the NYSDEC project contact(s) identified in **Appendix B**. Other

additions to the Brownfield site contact list may be made on a site-specific basis at the discretion of the NYSDEC project manager, in consultation with other NYSDEC staff as appropriate.

CP Activities

Appendix D identifies the CP activities, at a minimum, that have been and will be conducted during the site's remedial program. The flowchart in **Appendix E** shows how these CP activities integrate with the site remedial process. The public is informed about these CP activities through fact sheets and notices developed at significant points in the sites remedial process.

- **Notices and fact sheets** help the interested and affected public to understand contamination issues related to a Brownfield site, and the nature and progress of efforts to investigate and remediate a Brownfield site.

- **Public forums, comment periods and contact with project managers** provide opportunities for the public to contribute information, opinions and perspectives that have potential to influence decisions about a Brownfield site's investigation and remediation.

The public is encouraged to contact project staff at any time during the site's remedial process with questions, comments, or requests for information about the remedial program.

This CP Plan may be revised due to changes in major issues of public concern identified in Section 6 or in the nature and scope of remedial activities. Modifications may include additions to the Brownfield site contact list and changes in planned citizen participation activities.

3. Site Information

Site Description

The 9.6 acre Project Site, 193 Ship Canal Parkway, is located at the corner of 1 Hanna Drive within the approximately 275 acre Buffalo Lakeside Commerce Park (the "BLCP") in the City of Buffalo, New York. For an approximate 80 year period, between 1902 and 1982, the Project Site was utilized to manufacture pig iron, which is the immediate product of smelting iron ore with coke and limestone in a blast furnace. Since that time, the Project Site has been abandoned, the buildings removed, and currently lays vacant. Structures formerly located on or immediately adjacent to the Project Site included production buildings, blast furnaces, rail sidings, and various support structures.

The BLCP is located within an area of the City of Buffalo burdened with a concentration of conditions of slum and blight, and as such, is contained within the City of Buffalo Union Ship Canal Urban Renewal Plan and has been deemed by the Common Council of the City of Buffalo as being appropriate for urban renewal treatment. The project Site is also within the 1800-acre South Buffalo Brownfield Opportunity Area (BOA), BOA # 303152. The BLCP remains 60 percent vacant with the exception of three recently-completed brownfield redevelopment

projects. These commercial/industrial facilities include; CertainTeed, Cobey, and Sonwil Distribution as described herein.

The BLCP provides a unique opportunity within the City to provide large, contiguous parcels for new private investment and job creation activities well serviced by local and regional transportation systems. As such, the BLCP has become the premier brownfield redevelopment project in the City of Buffalo. In an effort to focus City of Buffalo brownfield redevelopment resources, and in an attempt to counteract urban sprawl, the state of New York, Erie County and the City of Buffalo have invested tens of millions of dollars over the last several years in site preparation and infrastructure construction to reclaim this former heavy industrial and contaminated site for productive use.

Towards this end, the New York State Environmental Restoration Program, Voluntary Cleanup Program, Brownfield Cleanup Program, Empire Zone Program, Erie County Industrial Development Agency tax incentive program, National Grid Brownfields grant program, and Erie County and Empire State Development Corporation grant programs as well as other grant programs, have all been utilized, in conjunction with private investment, to stimulate, encourage, incentivize, and bring about the revitalization of the BLCP. Three tenants now occupy the BLCP (Cobey Inc., Sonwil Distribution, and CertainTeed Inc., as described herein). The BLCP has been and continues to be one of the only "shovel-ready" sites within the City of Buffalo that offers real and predictable financial incentives, tax credits, and permitting certainty. Revitalizing the BLCP will encourage and has encouraged private capital investment, and has resulted in real job growth and job retention within the City of Buffalo while simultaneously protecting the public health and welfare.

In particular, the Project Site is located within Parcel 1 of the BLCP and is subject to an existing Voluntary Cleanup Program (VCP) Agreement, VCA index number is B9-0568-99-12(A), in which the New York State Department of Environmental Conservation (DEC) stated that the VCP was established to address the environmental, legal, and financial barriers that hinder redevelopment of the contaminated Project Site and wherein it was determined that it is in the public interest to enter into the VCP to address environmental issues at the Project Site to ensure the protection of human health and the environment. In addition, adjacent to the Project Site, but also within the BLCP, two brownfield remediation projects have been undertaken under the Brownfield Cleanup Program ("BCP") and have received Certificate of Completions (Cobey BCP Site #C915202 and the CertainTeed Site (BCP #C915185). The CertainTeed Site was the first Site in the State to receive a Certificate of Completion under the BCP.

Site History

The NYSDEC prepared an "Inactive Hazardous Waste Disposal Site Report" for the Hanna Furnace Site in 1983. The NYSDEC subsequently identified the property as Site #915029, and initially assigned the site a classification of "2A," indicating that the site was a potential hazardous waste site but that insufficient data were available to properly characterize potential issues at the site. Following several environmental investigations of the Hanna Furnace Site, ABB Environmental Services (ABB) conducted a Preliminary Site Assessment of the site in 1995 for the NYSDEC. The results of this investigation determined that contaminants present on

the Hanna Furnace Site did not pose a serious threat to human health or the environment. Based on the results of this investigation, the NYSDEC removed the Hanna Furnace Site from its registry of inactive hazardous waste disposal sites.

The Hanna Furnace Site and was used for iron and steel-making. After becoming inactive and being purchased by the City of Buffalo, all of the former industrial buildings were demolished and the Hanna Furnace Site was segmented into four parcels which reflected the diverse industrial land usage by the previous owners. The Project Site is located in what is now called Parcel 1 which was used for storage of pig iron and as a rail yard in support of the iron making operations. The Project Site is currently vacant former industrial land.

As stated above and hereinafter, the well documented historic use of the site for heavy industrial purposes coupled with known contamination in the soil and groundwater has resulted in two surrounding building lots being admitted into the Brownfield Cleanup Program. The two sites include; CertainTeed and Cobey.

Over the past 25 years, 16 separate environmental investigations were completed at the former Hanna Furnace Site. Of these 16 studies, only three included collection of samples from the proposed Project Site; these include:

- *RECRA Environmental, Inc., Site Characterization and Environmental Assessment, Hanna Furnace, Buffalo, New York, August 1988*
- *Malcolm Pirnie, Inc., Hanna Furnace Site - Characterization of the Former Railroad Yard (Parcel 1), Revised October 1999*
- *Malcolm Pirnie, Inc., Supplemental Investigation Report. Hanna Furnace Site, Former Railroad Yard (Parcel 1), Revised January 2001-*

Environmental Investigation Report Summaries

RECRA Environmental, Site Characterization and Environmental Assessment, 1988

In August 1988, Recra Environmental, Inc. (Recra) performed a Site Characterization and Environmental Assessment for the New York State Department of Transportation. The characterization and assessment included the entire 113-acre Hanna Furnace property. The work involved the collection of samples of surface and subsurface soil/fill, surface water, sediment and groundwater, performance of a risk assessment, and an evaluation of remedial alternatives.

The investigation of the Former Railroad Yard Area (Parcel 1) included the collection and analysis of surface soil samples, three of which were collected from the proposed Project Site (samples 20, 21, and 22). These surface soil samples were analyzed for arsenic, chromium, copper, lead, oil and grease, ammonia, and PCBs. Analytical results indicated elevated oil and grease, and each of the four metals tested and PCBs were present at concentrations above the restricted commercial SCOs at least one of the three sample locations, see **Table F-1** in **Appendix F.**

Malcolm Pirnie, Inc., Hanna Furnace Site - Characterization of the Former Railroad Yard (Parcel 1), Revised October 1999

As part of a characterization of Parcel 1 of the Hanna Furnace site, 36 soil borings were drilled for the collection of composite surface and subsurface soil/fill samples. Of the 36 borings, 12 were located on the proposed project site. From the 12 borings, six composite surface soil/fill samples (C1, D1, E1, G1, H1, and K1) and six composite subsurface soil/fill samples (C2, D2, E2, G2, H2, and K2) were collected and analyzed for PAHs, phenols, cyanide, and the TAL metals. Each composite sample was collected from two adjacent borings. Two of the composite subsurface samples (E2 and K2) were also submitted for TCLP analysis. Also, all of the borings encountered a blue colored fill material which was thought to possibly be the result of cyanide contamination. For this reason the blue fill material from one of the borings (SB-20) was also analyzed for total and reactive cyanide.

Surface soil/fill samples contained cyanide and several PAHs at low concentrations. Lead was present in one of the six surface samples at a concentration above the restricted commercial SCO of 1000 mg/kg.

Subsurface soil/fill samples contained several PAHs at low concentrations. Arsenic, Barium, and cyanide were present in one or more of the six samples at concentrations above the restricted commercial SCOs. Since the samples were composited, selected analytical results may have a low bias because of dilution inherent in the sample compositing process. Additional sampling is necessary to further delineate the magnitude and extent of the elevated cyanide and metals.

See **Table G-1** and the map of identified environmental concerns, in **Appendix G**.

Malcolm Pirnie, Inc., Supplemental Investigation Report. Hanna Furnace Site, Former Railroad Yard (Parcel 1), Revised January 2001

Based on the results of the 1999 characterization of the former railroad yard, additional investigation was performed. Soil/fill debris files were inventoried and sampled (SS-1 through SS-20 and analyzed for VOCs, SVOCs, pesticides, PCBs, TAL metals, and cyanide. Seven of the 20 samples (SS-6 through SS-10, SS-16, and SS-17) were collected from the proposed project site. Three of these samples (SS-6, SS-9, and SS-17) contained PCBs, arsenic, cadmium, and/or copper at concentrations above the restricted commercial SCOs. Several PAHs and metals were also present at low concentrations.

Additional characterization of the subsurface blue fill was also performed. Four soil borings (SB-37 through SB-40) were sampled of the blue fill and analyzed for VOCs, SVOCs, PCBs, pesticides, TAL metals, and cyanide. Two of the four borings (SB-37 and SB-40) were located on the proposed project site. Barium and/or cyanide were detected in the blue fill at concentrations above the restricted commercial SCOs at these locations.

See **Table G-1** and the map of identified environmental concerns, at **Appendix G**.

Malcolm Pirnie, Inc., Investigation of High pH Groundwater, June, 2001.

Based on elevated groundwater pH readings from wells MW-104 and MW-105, located at the western side of Parcel 1, Malcolm Pirnie conducted a focused pH investigation in this area which extended into Parcel 2. Groundwater from five soil borings and ten test pits was measured in the field for pH. Groundwater pH in the five borings ranged from 10.0 to 11.53 and in the test pits from 8.67 to 11.95. The extent of the elevated pH (greater than 10) was mapped and does extend onto the proposed Project Site. See map of identified environmental concerns included as Appendix G. The presence of groundwater with high pH may require special construction methods and handling procedures that could result in increased costs to the developer.

Summary Environmental Characterization

The long history of heavy industrial use has impacted soil and groundwater at the former Hanna Furnace Site which is in the process of being redeveloped as the Buffalo Lakeside Commerce Park. To date, two parcels of the BLCP have been admitted into the BCP and surround the Project Site on two sides.

Investigations completed at the Site have provided documentation of chemical contamination and groundwater with elevated pH. Site soil/fill is known to contain PCBs, Arsenic, Barium, Cadmium, Copper, Chromium, lead, and cyanide at concentrations above applicable soil cleanup objectives. The elevated cyanide appears to be concentrated at the western side of the Project Site. Additional characterization is warranted to delineate the extent of the elevated cyanide and to characterize the site groundwater.

4. Remedial Process

Note: See **Appendix E** for a flowchart of the Brownfield site remedial process.

Application

The Applicant has applied for and been accepted into New York's Brownfield Cleanup Program as a Volunteer. This means that the Applicant was not responsible for the disposal or discharge of the contaminants or whose ownership or operation of the site took place after the discharge or disposal of contaminants. The Volunteer must fully characterize the nature and extent of contamination onsite, and must conduct a "qualitative exposure assessment," a process that characterizes the actual or potential exposure of people, fish and wildlife to contaminants identified on the site and to contamination that have migrated from the site.

The Applicant in its Application proposes that the site will be used for restricted commercial purposes.

To achieve this goal, the Applicant will conduct remedial activities at the site with oversight provided by NYSDEC. The Brownfield Cleanup Agreement executed by NYSDEC and the Applicant sets forth the responsibilities of each party in conducting a remedial program at the site.

Investigation

The remedial investigation (RI) of the site will be performed with NYSDEC oversight. The Applicant has developed a remedial investigation workplan, which is subject to public comment as noted in **Appendix D**. The goals of the investigation are as follows:

1) Define the nature and extent of contamination in soil, groundwater, and soil gas;

2) Identify the source(s) of the contamination;

3) Assess the impact of the contamination on public health and/or the environment; and

4) Provide information to support the development of a Remedial Work Plan to address the contamination, or to support a conclusion that the contamination does not need to be addressed.

The Applicant will prepare an RI Report after it completes the RI. This report will summarize the results of the RI and will include the Applicant's recommendation of whether remediation is needed to address site-related contamination. The RI Report is subject to review and approval by NYSDEC. Before the RI Report is approved, a fact sheet that describes the RI Report will be sent to the site's contact list.

NYSDEC will determine if the site poses a significant threat to public health and/or the environment. If NYSDEC determines that the site is a "significant threat," a qualifying community group may apply for a Technical Assistance Grant (TAG). The purpose of a TAG is to provide funds to the qualifying community group to obtain independent technical assistance. This assistance helps the TAG recipient to interpret and understand existing environmental information about the nature and extent of contamination related to the site and the development/implementation of a remedy.

An eligible community group must certify that its membership represents the interests of the community affected by the site, and that its members' health, economic well-being or enjoyment of the environment may be affected by a release or threatened release of contamination at the eligible site.

For more information about the TAG Program and the availability of TAGs, go online at: **www.dec.ny.gov/regulations/2590.html.**

Remedy Selection

After NYSDEC approves the RI Report, the Applicant will be able to develop a Remedial Work Plan if remediation is required. The Remedial Work Plan describes how the Applicant would address the contamination related to the site.

The public will have the opportunity to review and comment on the draft Remedial Work Plan. The site contact list will be sent a fact sheet that describes the draft Remedial Work Plan and

announces a 45-day public comment period. NYSDEC will factor this input into its decision to approve, reject or modify the draft Remedial Work Plan.

A public meeting may be held by NYSDEC about the proposed Remedial Work Plan if requested by the affected community and if significant substantive issues are raised about the draft Remedial Work Plan. Please note that, in order to request a public meeting, the health, economic well-being or enjoyment of the environment of those requesting the public meeting must be threatened or potentially threatened by the site. In addition, the request for the public meeting should be made within the first 30 days of the 45-day public comment period for the draft Remedial Work Plan. A public meeting also may be held at the discretion of the NYSDEC project manager in consultation with other NYSDEC staff as appropriate.

Construction

Approval of the Remedial Work Plan by NYSDEC will allow the Applicant to design and construct the alternative selected to remediate the site. The site contact list will receive notification before the start of site remediation. When the Applicant completes remedial activities, it will prepare a final engineering report that certifies that remediation requirements have been achieved or will be achieved within a specific time frame. NYSDEC will review the report to be certain that the remediation is protective of public health and the environment for the intended use of the site. The site contact list will receive a fact sheet that announces the completion of remedial activities and the review of the final engineering report.

Certificate of Completion and Site Management

Once NYSDEC approves the final engineering report, it will issue the Applicant a Certificate of Completion. This Certificate states that remediation goals have been achieved, and relieves the Applicant from future remedial liability, subject to statutory conditions. The Certificate also includes a description of any institutional and engineering controls or monitoring required by the approved remedial work plan. If the Applicant uses institutional controls or engineering controls to achieve remedial objectives, the site contact list will receive a fact sheet that discusses such controls.

An institutional control is a non-physical restriction on use of the Brownfield site, such as a deed restriction that would prevent or restrict certain uses of the remediated property. An institutional control may be used when the remedial action leaves some contamination that makes the site suitable for some, but not all uses.

An engineering control is a physical barrier or method to manage contamination, such as a cap or vapor barrier.

Site management will be conducted by the Applicant as required. NYSDEC will provide appropriate oversight. Site management involves the institutional and engineering controls required for the Brownfield site. Examples include: operation of a water treatment plant, maintenance of a cap or cover, and monitoring of groundwater quality.

5. Citizen Participation Activities

CP activities that have already occurred and are planned during the investigation and remediation of the site under the BCP are identified in **Appendix D:** Identification of Citizen Participation Activities. These activities also are identified in the flowchart of the BCP process in **Appendix E**. NYSDEC will ensure that these CP activities are conducted, with appropriate assistance from the Applicant.

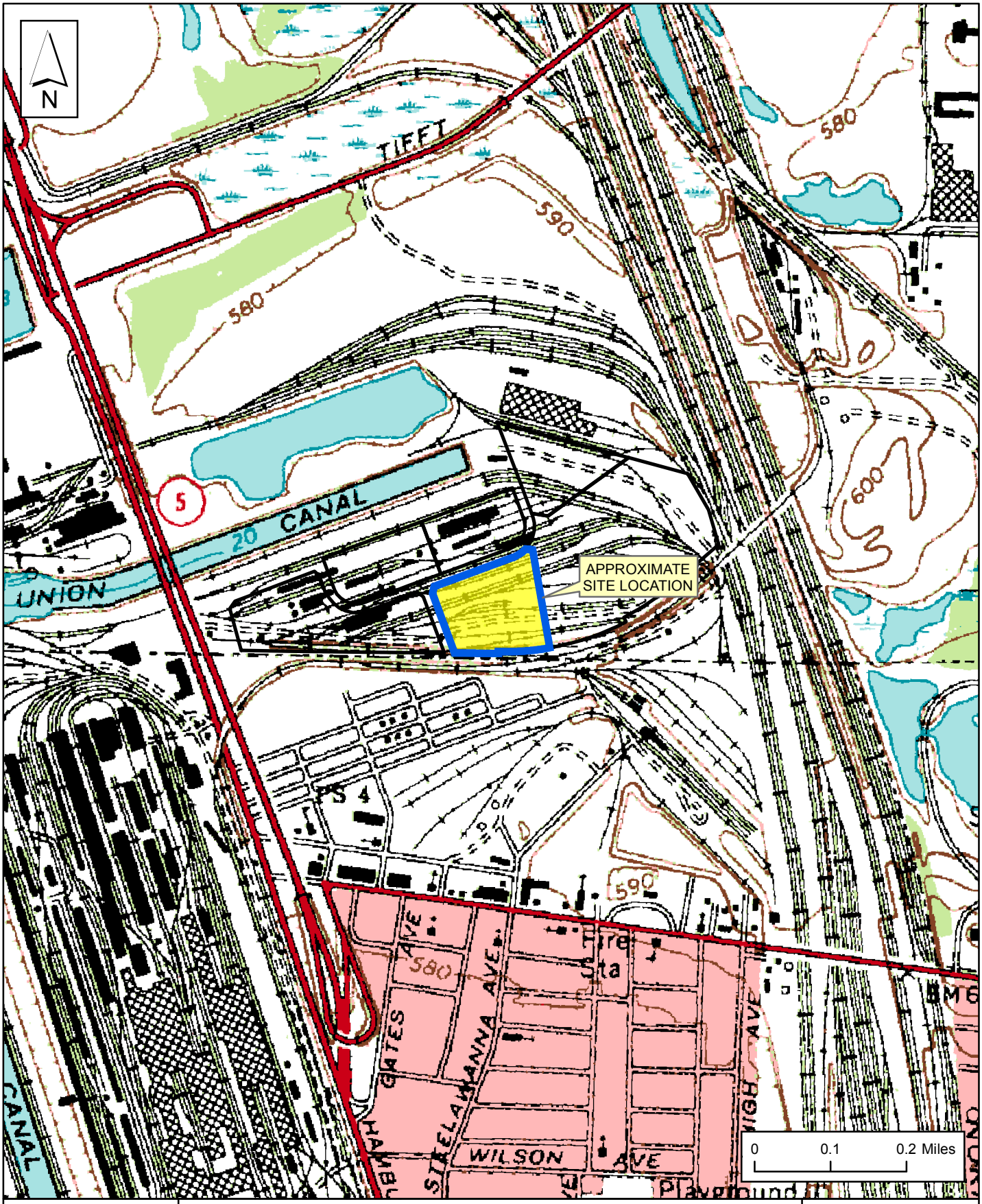
All CP activities are conducted to provide the public with significant information about site findings and planned remedial activities, and some activities announce comment periods and request public input about important draft documents such as the Remedial Work Plan.

All written materials developed for the public will be reviewed and approved by NYSDEC for clarity and accuracy before they are distributed. Notices and fact sheets can be combined at the discretion, and with the approval of, NYSDEC.

6. Major Issues of Public Concern

This section of the CP Plan identifies major issues of public concern, if any, that relate to the site. The Site will encompass an area of approximately 9.6 acres for planed redevelopment that will include the construction of manufacturing and office space designed to complement previous and on-going development of the BLCP. Redevelopment of the Site will return vacant, unused industrial property to the City tax base while providing for an economic benefit to the local and regional community.

Appendix A – Site Location Map



MALCOLM PIRNIE

4080-008 MARCH 2010

BUFFALO URBAN DEVELOPMENT CORPORATION
193 SHIP CANAL PARKWAY SITE
BUFFALO, NEW YORK

FIGURE 3
SITE LOCATION

Appendix B – Project Contacts and Document Repositories

Project Contacts

For information about the site's remedial program, the public may contact any of the following project staff:

New York State Department of Environmental Conservation (NYSDEC):

David P. Locey, Project Manager
NYSDEC - Region 9
Division of Environmental Remediation
270 Michigan Avenue
Buffalo, NY 14203-2915
(716) 851-7220
(716) 851-7226 (fax)
e-mail - dplocey@gw.doc.state.ny.us

New York State Department of Health (NYSDOH):

Matt Forcucci
Public Health Specialist
NYSDOH
Western Regional Office
584 Delaware Avenue
Buffalo, NY 14202
(716) 847- 4501
e-mail – beei@health.state.ny.us

Steven Bates
Bureau of Environmental Exposure Investigation
NYSDOH
Flanigan Square
547 River Street
Troy, NY 12180-2216
e-mail – smb02@health.state.ny.us

Document Repositories

The document repositories identified below have been established to provide the public with convenient access to important project documents:

Buffalo & Erie County Public Library
Dudley Branch
2010 South Park Avenue
Buffalo, New York 14220
Phone: (716) 823-1854
Hours: Tues. and Thurs. (12:00 – 8:00 PM)
Mon., Fri., Sat. (10:00 AM-6:00 PM)
Wed. and Sun.: (Closed)

NYSDEC - Region 9
270 Michigan Avenue
Buffalo, NY 14203-2915
Attn: David Locey, Project Manager
Phone: (716) 851-7220
Hours: Mon.-Fri. (8:30 AM - 4:45 PM)
(call for appointment)

Appendix C – Brownfield Site Contact List

Mark Baetzhold
NYSDEC Region 9
270 Michigan Avenue
Buffalo, NY 14203

Martin Doster
NYSDEC Region 9
270 Michigan Avenue
Buffalo, NY 14203

Mr. Bob Dalfonso
NYSDOT
100 Seneca Street
Buffalo, NY 14203

Senator Charles Schumer
United States Senate
130 S. Elmwood Avenue, #660
Buffalo, NY 14202

Senator Kirsten Gillibrand
726 Exchange St., Suite 511
Buffalo, NY 14202

Congressman Brian Higgins
27th District
726 Exchange Street, Suite 601
Buffalo, NY 14210

Senator Timothy Kennedy
58th District, NYS Senate
2239 South Park Ave.
Buffalo, NY 14220

Assemblyman Mark Schroeder
145th Assembly District
2019 Seneca St.
Buffalo, NY 14210

Assemblyman Kevin Smardz
146th Assembly District
3812 South Park Avenue
Blasdell, NY 14219

Honorable Christopher Collins
Erie County Executive
95 Franklin Street
Buffalo, NY 14202

Mr. Daniel Kozub
Erie County Legislature, Dist. 1
609 Ridge Rd.
Lackawanna, NY 14218

Mr. Timothy Whalen
Erie County Legislature, Dist. 2
1928 South Park Avenue
Buffalo, NY 14220

Mr. Thomas Hearsey
Erie County EMC
95 Franklin Street
Buffalo, NY 14202

Ms. Kathy Konst, Commissioner
Erie Co. Dept. of Env. & Planning
95 Franklin Street
Buffalo, NY 14202

Mr. Robert Graber
Erie County Legislature Clerk
92 Franklin Street
Buffalo, NY 14202

Mr. David Stebbins
BUDC
275 Oak Street
Buffalo, NY 14203

Mr. Peter Cammarata
BUDC
275 Oak Street
Buffalo, NY 14203

Mr. Christopher Pawenski
Erie County DEP
95 Franklin St., 10th Floor
Buffalo, NY 14202

Gregory Skibitsky, Commissioner
Erie Co. Emergency Services
45 Elm Street
Buffalo, NY 14203

Erie County Water Authority
350 Ellicott Square Building
295 Main Street
Buffalo, NY 14203

Commissioner Anthony Billittier
Erie Co. Health Dept., Rm 931
95 Franklin Street
Buffalo, NY 14202

Mayor Byron W. Brown
201 City Hall
Buffalo, NY 14202

Councilman Michael Kearns
City of Buffalo, South District
1401 City Hall
Buffalo, NY 14202

Clerk Gerald Chwalinski
City Hall, Rm 1308
Buffalo, NY 14202

Mr. Peter Merlo, P.E.
City Engineer
City Hall, Rm 502
Buffalo, NY 14202

Mr. Steven Stepniak
D.P.W. Commissioner
502 City Hall
Buffalo, NY 14202

Mr. Dennis Sutton
Office of Strategic Planning
920 City Hall
Buffalo, NY 14202

Buffalo Water Authority
City Hall
Buffalo, NY 14202

Mayor Norman Polanski
Lackawanna Mayor's Office
714 Ridge Road
Lackawanna, NY 14218

Ms. Marlene Kita
Secretary to the Council
714 Ridge Rd.
Lackawanna, NY 14218

Front Page, Inc.
2703 South Park Avenue
Lackawanna, NY 14218

Mr. Mark Scott, News Director
WBFO 88.7/WOLN 91.3
3435 Main Street
Buffalo, NY 14214-3001

WGRZ TV-Ch. 2
ATTN: Environmental News Desk
259 Delaware Avenue
Buffalo, NY 14202

Buffalo News
1 News Plaza
P.O. Box 100
Buffalo, NY 14240

WBEN Radio 930 & WMJQ
500 Corporate Parkway
Buffalo, NY 14226

Michael Desmond
WNED
Horizons Plaza, P.O. Box 1263
Buffalo, NY 14240

Business First
465 Main Street
Buffalo, NY 14203

Editor
South Buffalo News
2703 South Park Avenue
Buffalo, NY 14218-1511

WKBW News Channel 7
ATTN: Environmental News Desk
7 Broadcast Plaza
Buffalo, NY 14202

WIVB News Channel 4
ATTN: Environmental News Desk
2077 Elmwood Avenue
Buffalo, NY 14207

Editor
Pennysavers
49 E. Main Street
Springville, NY 14141-1245

Mr. Jay Burney
360 Cumberland Avenue
Buffalo, NY 14220

Mr. James Rozanski
92 West Winspear Avenue
Buffalo, NY 14214

Mr. Eugene Herbert
1266 Emery Road
East Aurora, NY 14052

Ship Canal Properties
ATTN: Property Officers
223 Lockport Street
Youngstown, NY 14174

Mr. James Hooge
1 Surfside Drive
Irving, NY 14081

United Alloys & Steel Corporation
5225 Sheridan Drive Suite 5
Buffalo, NY 14221

Mr. Herbert Darling
131 California Drive
Williamsville, NY 14221-6654

Manager
Buffalo Sailing Marina
5061 Lake Shore Road
Hamburg, NY 14075

Mr. Daniel Cunningham
5558 Coachmans Lane
Hamburg, NY 14075

Ms. Cynthia Schwartz
833 Auburn
Buffalo, NY 14222

Mr. David Shedd
RCR Yachts
284 Fuhrmann Boulevard
Buffalo, NY 14203

Ms. Karen Wallace
Tifft Nature Preserve
1200 Fuhrmann Boulevard
Buffalo, NY 14203

Dr Charles Lamb
Sierra Club - Niagara Region
335 Walnut Ln
Youngstown, NY 14174

Ms. Julie Barrett O'Neill
Buffalo Niagara Riverkeeper
1250 Niagara Street
Buffalo, NY 14213

Mr. Don Kill
Erie County Sportsmen Federation
55 Winstead Road
Lackawanna, NY 14218

Mr. James Metzger
League of Women Voters
70 Haverford Lane
Williamsville, NY 14221

Mr. Reg Gilbert, Sr. Coordinator
Great Lakes United
1300 Elmwood Ave., Cassety Hall
Buffalo, NY 14222

Executive Director
Buffalo Audubon Society
1610 Welch Road
North Java, NY 14113

Director
Citizens Campaign-Environment
735 Delaware Ave, PO Box 140
Buffalo, NY 14223

Mr. Joseph DePinto
SUNY @ Buffalo, Great Lakes
Jarvis Hall, Room 207
Buffalo, NY 14260

Mr. Kent Kruse
Erie County Sportsmen Federation
346 Falls Road
West Falls, NY 14170

Mr. Joseph A. Gardella, Jr.
BMC Commissioner
178 Admiral Road
Buffalo, NY 14216

President Joseph Fischer
WNY Environmental Federation
17 Kingston Lane
Cheektowaga, NY 14225

Certainteed, Inc.
231 Ship Canal Parkway
Buffalo, NY 14218

South Buffalo Railroad
1200-C Scottville Road
Suite 200
Rochester, NY

Cobey, Inc.
One Ship Canal Parkway
Buffalo, NY 14218

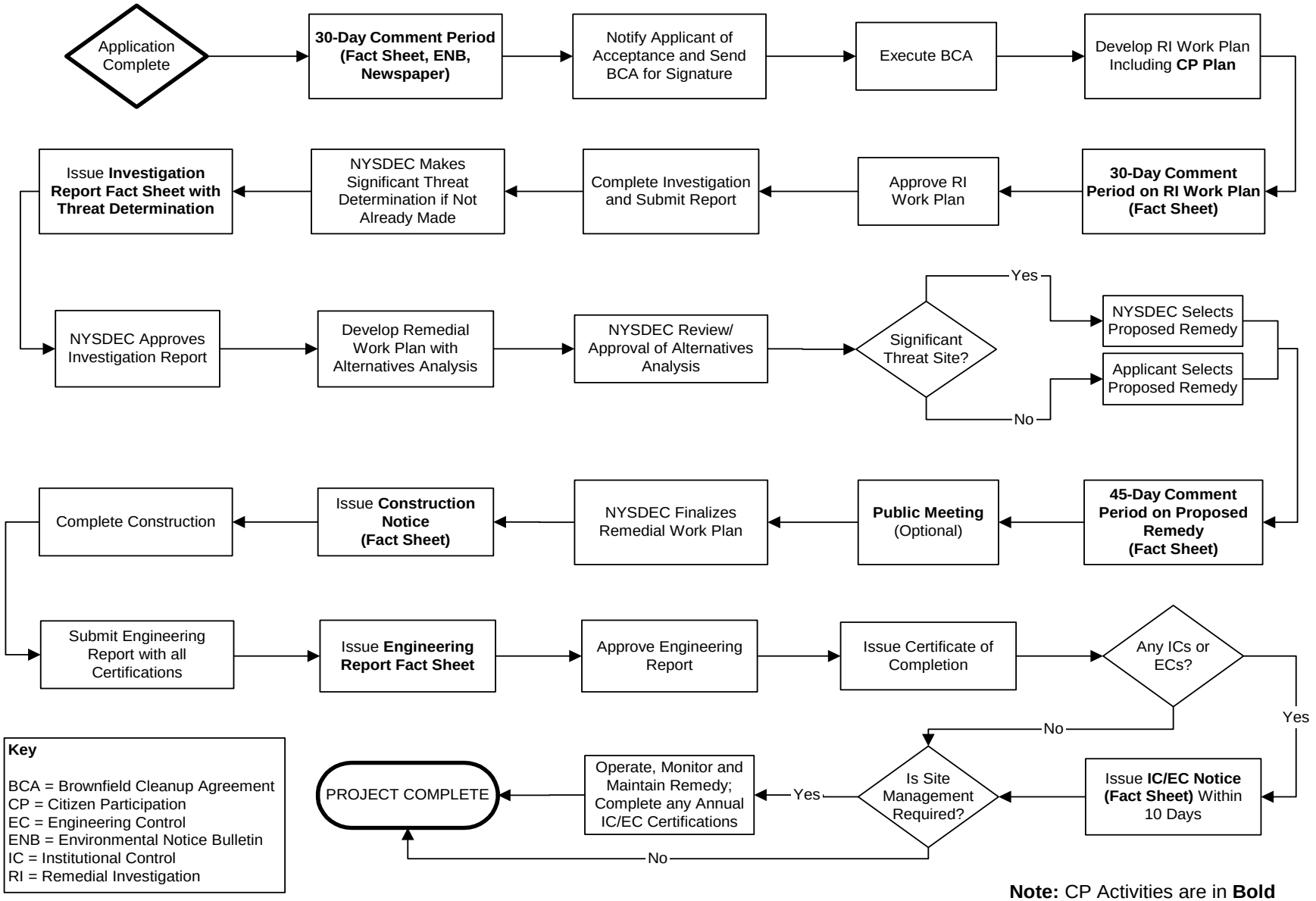
Peter G. Wilson
Sonwil Distribution Center
100 Sonwil Drive
Buffalo, NY 14225

Brendan Mehaffy
Office of Strategic Planning
City of Buffalo
920 City Hall
Buffalo, NY 14202

Appendix D – Identification of Citizen Participation Activities

Required Citizen Participation (CP) Activities	CP Activities) Occur at this Point
Application Process:	
• Prepare brownfield site contact list (BSCL) • Establish document repositories	At time of preparation of application to participate in BCP.
• Publish notice in Environmental Notice Bulletin (ENB) announcing receipt of application and 30-day comment period	When NYSDEC determines that BCP application is complete. The 30-day comment period begins on date of publication of notice in ENB. End date of comment period is as stated in ENB notice. Therefore, ENB notice, newspaper notice and notice to the BSCL should be provided to the public at the same time.
After Execution of Brownfield Site Cleanup Agreement:	
• Prepare citizen participation (CP) plan	Draft CP Plan must be submitted within 20 days of entering Brownfield Site Cleanup Agreement. CP Plan must be approved by NYSDEC before distribution.
After Remedial Investigation (RI) Work Plan Received:	
• Mail fact sheet to BSCL about proposed RI activities and announcing 30-day public comment period on draft RI Work Plan	Before NYSDEC approves RI Work Plan. If RI Work Plan is submitted with application, comment periods will be combined and public notice will include fact sheet. 30-day comment period begins/ends as per dates identified in fact sheet.
After RI Completion:	
• Mail fact sheet to BSCL describing results of RI	Before NYSDEC approves RI Report.
After Remedial Work Plan (RWP) Received:	
• Mail fact sheet to BSCL about proposed RWP and announcing 45-day comment period • Public meeting by NYSDEC about proposed RWP (if requested by affected community or at discretion of NYSDEC project manager in consultation with other NYSDEC staff as appropriate)	Before NYSDEC approves RWP. 45-day comment period begins/ends as per dates identified in fact sheet. Public meeting would be held within the 45-day comment period.
After Approval of RWP:	
• Mail fact sheet to BSCL summarizing upcoming remedial construction	Before the start of remedial construction.
After Remedial Action Completed:	
• Mail fact sheet to BSCL announcing that remedial construction has been completed • Mail fact sheet to BSCL announcing issuance of Certificate of Completion (COC)	At the time NYSDEC approves Final Engineering Report. These two fact sheets should be combined when possible if there is not a delay in issuance of the COC.

Appendix E – Brownfield Cleanup Program Process



Note: CP Activities are in **Bold**

Appendix F – Table of Soil Sample Data

TABLE F - 1
SUMMARY OF SOIL/FILL ANALYTICAL RESULTS
AND
SCO EXCEEDENCES
PROPOSED 193 SHIP CANAL PARKWAY SITE - BLCP, BUFFALO

Analyte	PCBs	Arsenic	Barium	Cadmium	Copper	Chromium	Cyanide	Lead
SCO (Rest.Commercial)	1	16	400	9.3	270	1500	27	1000
1988 RECRA Surface Soil samples								
(ss) 20	1.3	14	-	-	170	110	-	3300
(ss) 21	0.37	32	-	-	640	4700	-	260
(ss) 22		23	-	-	23	310	-	21
1999 Malcolm Pirnie Composite Surface Soil samples								
G (SB11+12)			222		49.7		21.2	1120
1999 Malcolm Pirnie Composite Subsurface Soil Samples								
C (SB-5+6)			274		26.5		20.1	62.7
D (SB7+36)			286	8.1	21.9		33.2	56.2
E (SB8+9)			260		20.5		5.79	85.1
G (SB11+12)			389		13.8		32.7	24.4
H (SB13+14)		20.4	226		9.18		7.65	66.5
K (SB19+20)			408	1.05	42.2		3.23	166
2000 Malcolm Pirnie surface soil samples								
SS6	1.2	10.6	53.1	19.9	58.3		3.6	89.4
SS9		17.9	83.7	2	15.3			46.8
SS17		22.9	298	19.9	501			766
2000 Malcolm Pirnie subsurface soil samples								
SB-37 (8-10')			428				3.1	5.4
SB-39 (6.5-10.4')			269				43	
jjr 110308								

Surface Soil above Restricted commercial SCO
Subsurface Soil Above restructed commercial SCO

Appendix G – Aerial Site Map with Known and Potential Environmental Concerns Plus Soil Sample Data

TABLE G - 1
SUMMARY OF SOIL/FILL ANALYTICAL RESULTS
AND
SCO EXCEEDENCES
PROPOSED 193 SHIP CANAL PARKWAY SITE - BLCP, BUFFALO

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jjr 110308								

Surface Soil above Restricted commercial SCO
Subsurface Soil Above restructed commercial SCO

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BUFFALO URBAN DEVELOPMENT CORPORATION
193 SHIP CANAL PARKWAY SITE
BUFFALO, NEW YORK

Appendix G
IDENTIFIED ENVIRONMENTAL CONCERNS