

(Fact Sheet Begins Next)

## Act Now to Continue Receiving Information About This Site!

DEC's Division of Environmental Remediation (DER) now distributes information about contaminated sites *electronically by email*.

If you would like to continue to receive information about the contaminated site featured in this fact sheet:

**You must sign up for the DER email listserv:**

[www.dec.ny.gov/chemical/61092.html](http://www.dec.ny.gov/chemical/61092.html)

DER cannot register your email address - only the email address owner can do so. If you already have signed up for the listserv for the county in which the site is located, you need do nothing.



### **Why You Should Go “Paperless”:**

Get site information faster and share it easily;

Receive information about all sites in a chosen county - read what you want, delete the rest;

It helps the environment and stretches your tax dollars.

**If “paperless” is not an option for you**, call or write to the DER project manager identified in this fact sheet. Indicate that you need to receive paper copies of fact sheets through the Postal Service. Include the site name in your correspondence. The option to receive paper is available to individuals only. Groups, organizations, businesses, and government entities are assumed to have email access.

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FACT SHEET State Superfund Program

Receive Site Fact Sheets by Email. See "For More Information" to Learn How.

Site Name: Buffalo Lakeside Commerce Park - Parcel 4
DEC Site #: 915193A
Address: 1714 Fuhrmann Blvd. Buffalo, NY 14203

Have questions? See "Who to Contact" Below

Cleanup Action to Begin at State Superfund Site

Action is about to begin that will address the contamination related to the Buffalo Lakeside Commerce Park - Parcel 4 site ("site") located at 1714 Fuhrmann Blvd., Buffalo, Erie County under New York's State Superfund Program. Please see the map for the site location.

The site is listed as a Class "2" site in the State Registry of Inactive Hazardous Waste Sites (list of State Superfund sites). A Class 2 site represents a significant threat to public health or the environment; action is required.

The estimated cost to implement the remedy Operable Unit 1 of the site is \$7,400,000.

Additional site details, including environmental and health assessment summaries, are available on NYSDEC's website at:

http://www.dec.ny.gov/cfm/xtapps/derexternal/haz/details.cfm?pageid=3&progno=915193A

Highlights of the Upcoming Cleanup Activities

The goal of the cleanup action for the site is to achieve cleanup levels that protect public health and the environment. The cleanup action for the site began May 23, 2017, is scheduled to conclude June 2018, and includes:

- 1. Excavation and off-site disposal of approximately 75,000 cubic yards of on-site soil to allow for commercial use of the site. Of that, approximately 7,500 cubic yards of soil is anticipated to be disposed of as hazardous waste. Excavation areas include the filter cake/flue ash pile and buried cyanide-contaminated blue-colored fill.
2. Backfill the excavation areas with approximately 72,000 cubic yards of clean fill material and establish the designed grades at the site.
3. A site cover will be placed to allow for commercial use of the site. The site cover may consist of paved surface parking areas, sidewalks or a soil cover. Where a soil cover is to be used it will be a minimum of one foot of soil meeting commercial use levels placed over a demarcation layer.
4. Placement of an environmental easement to restrict the use of the site to commercial use and restrict the use of groundwater and require implementation of a Site Management Plan (SMP).
5. A SMP will be developed and maintained since the remedy for this site allows contamination above unrestricted levels to remain at the site. The site will be managed and maintained in

## **Next Steps**

After completion of the cleanup activities, the responsible party will prepare a Final Engineering Report. The Final Engineering Report will describe the cleanup activities completed and certify that cleanup requirements have been achieved or will be achieved.

The New York State Department of Environmental Conservation (NYSDEC) will keep the public informed throughout the cleanup of the site.

## **Background**

### Location

The Buffalo Lakeside Commerce Park (BLCP) occupies over 200 acres at the southern edge of the City of Buffalo. Approximately 113 acres of the BLCP was formerly referred to as the Hanna Furnace Site (Site #915029). The Parcel 4 site is a 20 acre, vacant parcel located on the western edge of the BLCP, in the northwest corner of the former Hanna Furnace parcel and now matches the boundary of the ERP site #E915193 by the same name.

The site is bordered to the west by New York State Route 5 and Fuhrmann Boulevard, and to the south by the remediated ERP site Hanna Furnace Subparcel 3 Site #B00164 (now known as the Union Ship Canal Commons public greenspace). The Union Ship Canal, a slip off of the Buffalo Outer Harbor, lies 200 feet south of the site.

### Current Zoning/Uses

Buffalo Urban Development Corporation (BUDC), owner of the BLCP, intends to redevelop the land, including this site, consistent with the light industrial/commercial redevelopment that has taken place in Parcels 1 and 2. Two remediated and redeveloped BCP sites (BLCP-Krog, Site #C915185 and Cobey-BLCP, Site #C915202) are located in Parcels 1 and 2 of the BLCP. Parcel 4 is currently zoned for light industrial/commercial use.

### Site Features

In earlier investigations, the site was often called the “Filter Cake/Flue Ash” area. Occupying much of the site is a mound of fill composed of the byproducts from the pig iron production: black fine-grained flue ash, collected from the exhaust of the iron blast furnaces; and filter cake, the solids screened from the wet “scrubbers” which separated impurities from the same furnace exhaust before the combustible gases were recycled back to the furnaces. The surface of the Filter Cake/Flue Ash area is “hummocky”; actually best characterized as several smaller, connected mounds with a maximum height of approximately 15 feet. Much of the filter cake/flue ash piles are covered with fill material (clay, crushed stone and concrete), which was reportedly excavated from the construction site of a supermarket in the City of Buffalo.

### Past Use of the Site

Parcel 4 was the northern most of four adjoining parcels that comprised the Hanna Furnace iron foundry. The railroad yard that serviced the foundry and the production facilities themselves and were located to the south in Parcels 1 and 2 respectively. Parcel 3 surrounded the eastern end of the Union Ship Canal and is where the foundry’s raw materials (ore, coke and limestone) were delivered and stockpiled.

Hanna Furnace purchased Parcel 4 from the Pennsylvania Railroad in 1960. At that time, a marsh and pond occupied most of the site, with railroad tracks encircling it. Over the ensuing decades, the marsh was backfilled with slag, ash, and demolition debris generated by the foundry. Fill material covers the entire site and is the source of the site contamination.

There have been sixteen separate environmental investigations conducted on the former 200 acre Hanna Furnace property. Of these sixteen studies, six investigations included the Parcel 4 area.

In 2006 an Environmental Site Investigation was completed by Malcolm Pirnie for BUDC under the NYS Environmental Restoration Program and a Record of Decision (ROD) was issued. The Parcel 4 site remedy required the excavation and off-site disposal of discrete solid waste materials, installation of a cover system over the entire site and the implementation of a site management plan to ensure long term care of the cover system and compliance with site use restrictions. The remediation of Parcel 4 (E915193) was not completed, though discrete solid waste materials were removed from the Debris Disposal pile for off-site disposal and the remaining fill in the pile was spread out over the eastern two thirds of the parcel. The Filter Cake/Flue Ash area was left undisturbed.

### Site Geology and Hydrogeology

The site geology can be characterized as a 25 to 30 foot-thick cover of natural and man-made overburden materials over a relatively flat shale bedrock surface. Natural overburden materials encountered include, in ascending order, glacial deposits (till), clay and peat. The fill material encountered varied from disturbed, natural soil materials from clay to boulders, dredged sediments and broken shale rock as well as the raw materials and byproducts of iron and steel manufacturing including: filter cake/flue ash, slag, iron ore, limestone, coke and construction and demolition debris. Fill material was encountered at every soil boring location on site and ranged in thickness from 10 to 25 feet.

The bedrock at the site is the Levanna Shale Member of the Middle Devonian Age Skaneateles Formation. The Levanna shale is described as a fissile shale, dark gray or black near the bottom and lighter gray in color near the top. Some calcareous (limy) beds and some pyrite concretions are present within this shale member. The Levanna is reportedly 45 feet thick and typically produces low quantities of groundwater in the range of 10 to 15 gallons per minute. Being located near the shore of Lake Erie, surface water is the source of water for all uses in the area.

**State Superfund Program:** New York's State Superfund Program (SSF) identifies and characterizes suspected inactive hazardous waste disposal sites. Sites that pose a significant threat to public health and/or the environment go through a process of investigation, evaluation, cleanup and monitoring.

NYSDEC attempts to identify parties responsible for site contamination and require cleanup before committing State funds.

For more information about the SSF, visit: <http://www.dec.ny.gov/chemical/8439.html>

## **FOR MORE INFORMATION**

### **Where to Find Information**

Project documents are available at the following location(s) to help the public stay informed.

Buffalo and Erie County Public Library, JP Dudley Branch  
2010 South Park Avenue  
Buffalo, NY 14220  
phone: 716-823-1854

## Who to Contact

Comments and questions are always welcome and should be directed as follows:

### Project Related Questions

Sarah Saucier  
Department of Environmental Conservation  
Division of Environmental Remediation  
625 Broadway  
Albany, NY 12233-7017  
518-402-9675  
sarah.saucier@dec.ny.gov

### Site-Related Health Questions

Greg Rys  
New York State Department of Health  
5665 NYS Route 5  
Herkimer, NY 13350  
315-619-3194  
BEEI@health.ny.gov

**We encourage you to share this fact sheet with neighbors and tenants, and/or post this fact sheet in a prominent area of your building for others to see.**

### **Receive Site Fact Sheets by Email**

Have site information such as this fact sheet sent right to your email inbox. NYSDEC invites you to sign up with one or more contaminated sites county email listservs available at the following web page: <http://www.dec.ny.gov/chemical/61092.html>. It's quick, it's free, and it will help keep you *better informed*.



As a listserv member, you will periodically receive site-related information/announcements for all contaminated sites in the county(ies) you select.



Note: Please disregard if you already have signed up and received this fact sheet electronically.



# Figure 1

Site Location  
Buffalo Lakeside Commerce Park/Parcel 4 Site  
Buffalo, NY

## LEGEND:

-  Parcel 4
-  Excavation Areas

