



# FACT SHEET

## Brownfield Cleanup Program

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

**Site Name:** Goulds Pumps Cobalt Site  
**DEC Site #:** C850012  
**Address:** 240 Fall Street  
Seneca Falls, NY 13148

Have questions?  
See  
"Who to Contact"  
Below

### Report Recommends Cleanup of Brownfield Site Contamination

The New York State Department of Environmental Conservation (NYSDEC) is reviewing the Remedial Investigation Report for the Goulds Pumps Cobalt Site ("site") located at 240 Fall Street, Seneca Falls, Seneca County. Please see the map for the site location. Documents related to the cleanup of this site can be found at the location(s) identified below under "Where to Find Information."

#### Remedial Investigation Report

NYSDEC is reviewing the "Remedial Investigation Report" that was submitted by ITT Corporation, Goulds Pumps, Incorporated, and Goulds Pumps Administration, Inc. ("applicant(s)"). The report describes the results of the site investigation and recommends development of a remedy to address the contamination that was found.

#### Highlights of the Remedial Investigation Report

The remedial investigation included the testing of surface and subsurface soil and groundwater samples.

Soil sampling results indicated that PCBs exceeded the industrial soil cleanup objective (SCO). Concentrations of PCBs in soils ranged from non-detect to 277 parts per million. Soil sampling also indicated concentrations of SVOCs and metals in soils that exceeded the Part 375 Industrial SCOs. Arsenic concentrations ranged from non-detect to 46.5 ppm (Industrial SCO-16 ppm). Lead concentrations ranged from non-detect to 4,300 ppm (Industrial SCO-3,900 ppm). Mercury concentrations ranged from non-detect to 264 ppm (Industrial SCO-5.7 ppm). SVOC concentrations, mainly PAHs were detected above the Part 375 Industrial SCO. Benzo(a)pyrene concentrations ranged from non-detect to 7.3 ppm (Industrial SCO-1.1 ppm) and dibenzo(a,h)anthracene concentrations ranged from non-detect to 2.4 ppm (Industrial SCO-1.1 ppm).

Groundwater sampling results indicate that chlorinated volatile organic compounds, PCBs, and metals exceed NYS standards and guidance values. 1,1,1-Trichloroethane and its associated degradation products have been detected at concentrations that range from non-detect to 6200 ug/L. PCB concentrations in groundwater ranged from non-detect to 50 ug/L.

### *Additional Details*

#### OU-01A - Northwest Storage Area PCB Removal:

In the spring of 2005, PCB contaminated soils that exceed 10 ppm were excavated and disposed off-site at a permitted landfill facility. The excavation area was backfilled with Department approved backfill material and a geotextile demarcation layer was installed. One foot cover material (granular material and crusher run) was placed on top of the demarcation layer.

#### OU-02 - Project Cobalt PCB Removal:

In the summer of 2013, PCB contaminated soils in three (3) areas of the site that exceeded the Part 375 industrial SCO of 25 part per million (ppm) at the site were removed. In addition the concrete pad in the excavation area was removed and disposed off-site at a permitted facility. The excavation areas were backfilled with one foot of Department approved backfill material.

#### Project Cobalt Soil Excavation:

During the fall of 2013, soils that exceeded the industrial SCOs for arsenic, mercury, lead, benzo(a)pyrene, dibenzo(a,h)anthracene, PCBs, and benzo(b)fluoranthene were excavated and disposed off-site at a permitted landfill facility. The depth of the excavation area(s) ranged from 2.5 feet to 6.6 feet below ground surface and were all located within the Project Cobalt building footprint.

Confirmation sampling results from the excavation area(s) showed exceedances of the industrial SCOs for arsenic, benzo(a)pyrene, dibenzo(a,h)anthracene, and benzo(b)fluoranthene. Additional excavation activities were completed for the construction of the Project Cobalt building foundation, sub-slab re-circulation piping, re-circulation reservoirs, and associated piping. The excavation depths ranged from 5 feet to 27 feet below ground surface. The area(s) which showed industrial SCOs exceedances were excavated and are now covered Department approved backfill material and the Project Cobalt building. Approximately 70,000 tons of fill material and native soils were excavated and disposed off-site at a permitted landfill facility.

### **Next Steps**

NYSDEC will complete its review, make any necessary revisions and, if appropriate, approve the investigation report. The approved report will be made available to the public (see "Where to Find Information" below). The applicant(s) may then develop a cleanup plan, called a "Remedial Work Plan." This plan describes how contamination will be addressed, with NYSDEC and NYSDOH overseeing the work. NYSDEC will present the draft cleanup plan to the public for its review and comment during a 45-day comment period.

NYSDEC will keep the public informed throughout the investigation and cleanup of the site.

### **Background**

Goulds Pumps Cobalt site includes the former BCP Site known as the Northwest Storage Area (NWSA). This portion of the former Goulds Pump Administration, Inc. site has been carved out of the 40.404 acres as defined in the 2010 BCP amendment. The Goulds Pumps Cobalt site will retain the original Brownfield Cleanup Number C850012. The remaining portion of the Goulds Pump Administration, Inc. site will be addressed under the Brownfield Cleanup Program, Site

Number C850013 and will be known as Goulds Pumps Facility site.

**Location:**

The site is located within the Town of Seneca Falls, Seneca County in rural area adjacent to the Village of Seneca Falls. It is bounded to the north by New York State Electric & Gas substation, meadows, and woodlands; to the east by the C850013 Goulds Pumps Facility site followed by private residences and the Ferrara Lumber Company; to the south by residential/commercial structures followed by the Seneca River (also known as the Cayuga and Seneca Canal); and to the west by the former ITT Goulds Pumps landfill (site number HW850002) followed by residential properties. The Goulds Pumps Cobalt site is an 11.4 acre parcel.

**Site Features:**

The main features of the site are Building 900 known as the Project Cobalt building, the hazardous waste storage area, a parking lot, and the chip storage building.

**Current Zoning and Land Use:**

The site is an active pump manufacturing facility and is zoned for industrial use. Residential properties are located directly adjacent to the site to the south.

**Past Use of the Site:**

The site was historically an open area with a parking lot and several small storage buildings located in the southeast corner of the site. The area was primarily used for the storage of parts and equipment. Prior to the 1980 a set of elevated rail spurs and a receiving area was located in this area for the delivery of foundry sand. The rail spur and receiving area was removed in the 1980s and the area was re-graded. Goulds Pumps began operation in the mid-19th century as a manufacturer of industrial, agricultural, and consumer pumps. The current property was purchased and facility construction began in 1898. In 1904 manufacturing operations began at the site. The site was acquired by ITT Corporation in 1997.

A property-wide Phase I Environmental Site Assessment was conducted in 1999. The Phase I identified 25 areas of potential concern (APC) at the manufacturing facility.

A Phase II property-wide groundwater survey was completed in 2006-2007 to assess the groundwater conditions at the site.

**Site Geology and Hydrogeology:**

The site is underlain with fill material followed by glaciolacustrine silt and clay deposits with intermittent thin sand layers. The fill material consists of a mixture of sand, gravel, slag, brick, and foundry sand. The fill thickness varies across the site from 1 to 10 feet. The glaciolacustrine deposits extend to approximately 62 feet below grade. The upper portion of the deposit consists of clay and silt with coarse sand or fine gravel, extend to approximately 44 feet below grade. A very dense dry basal till unit is approximately 62 feet below grade and extends to the top of bedrock. Top of bedrock at the site ranges from 82 to 84 feet below ground surface.

The depth to groundwater varies across the site. Groundwater levels in the glaciolacustrine silt/clay range from 4 feet to 16 feet below ground surface. Groundwater flow direction is southern towards the Cayuga Seneca Canal. Hydraulic conductivity tests indicate low permeability due to the glacial till, silt, or silty sand.

#### Operable Units:

The site has three (3) operable units. An operable unit represents a portion of a remedial program for a site that for technical or administrative reasons can be addressed separately to investigate, eliminate or mitigate a release threat of release or exposure pathway resulting from the site contamination.

OU-01 is defined as the whole Project Cobalt site. OU-01A is defined as the Northwest Storage Area PCB Interim Remedial Measures soil removal. OU-02 is defined as the Project Cobalt Building Interim Remedial Measures (IRM) and construction.

The original Brownfield Cleanup Agreement was executed on October 14, 2004 for the Northwest Storage Area. The Remedial Action Plan was approved as an IRM. The PCB-contaminated soil removal IRM was completed in 2005.

#### Brownfield Cleanup Agreement Amendment #1:

Amendment #1 was defined as the rest of the Goulds Pumps manufacturing facility located at 240 Fall Street including the NWSA. The site was defined as the whole facility (minus the landfill) and was known as the Goulds Pumps Administration, Inc. Site (40.40 acres). The amended BCP agreement was approved February 23, 2010.

#### Brownfield Cleanup Agreement Amendment #2:

Amendment #2 is defined as the 6.2 acres of the former Goulds Pump Administration, Inc. site, including the Northwest Storage Area, as well as 5.2 additional acres located south of the former Goulds Pump Administration, Inc. site. Goulds Pump owns the additional 5.2 acres and a portion of the acreage is within the Project Cobalt building footprint.

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=C850012>

**Brownfield Cleanup Program:** New York's Brownfield Cleanup Program (BCP) encourages the voluntary cleanup of contaminated properties known as "brownfields" so that they can be reused and redeveloped. These uses may include recreation, housing, business or other uses.

A **brownfield** is any real property that is difficult to reuse or redevelop because of the presence or potential presence of contamination.

For more information about the BCP, visit: <http://www.dec.ny.gov/chemical/8450.html>

#### **FOR MORE INFORMATION**

#### **Where to Find Information**

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

Seneca Falls Public Library  
Attn: Michael Caraher  
47 Cayuga Street  
Seneca Falls, NY 13148  
Phone: 315-568-8265  
(myndersl@rochester.rr.com)

NYSDEC Region 8 Office  
6274 East Avon-Lima Road  
Avon, New York 14414  
Phone: 585-226-5354  
Please call for an appointment.

## Who to Contact

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

### Project Related Questions

Charlotte Theobald  
Department of Environmental Conservation  
Division of Environmental Remediation  
6274 East Avon-Lima Road  
Avon, NY 14414  
585-226-5354  
charlotte.theobald@dec.ny.gov

### Site-Related Health Questions

Christopher Doroski  
New York State Department of Health  
Bureau Environmental Exposure Investigation  
Empire State Plaza, Corning Tower, Room 1787  
Albany, NY 12237  
518-402-7860  
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.**

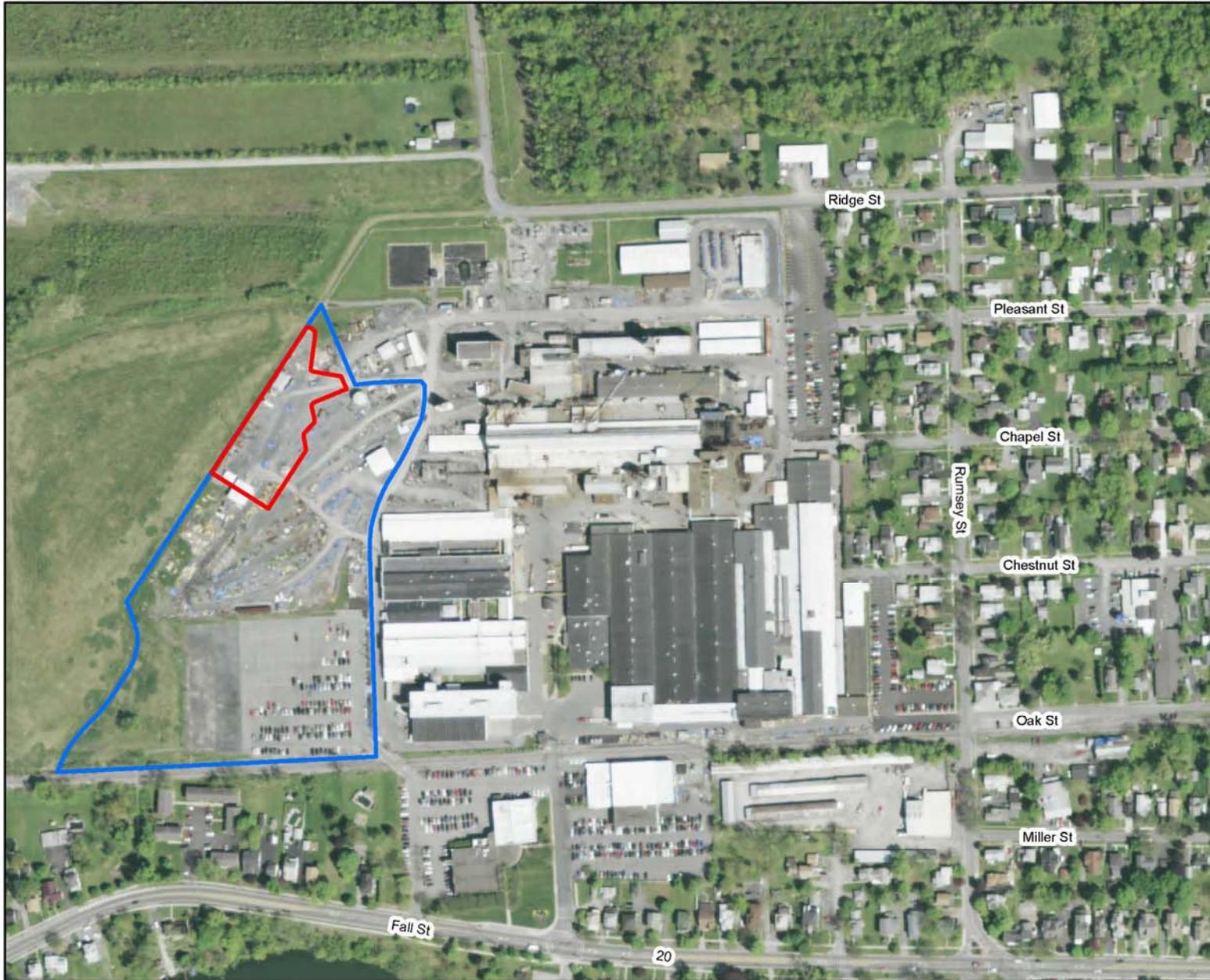
### **Receive Site Fact Sheets by Email**

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.



## Site Location

Cobalt  
BCP Boundary



**Legend**

- Goulds Pumps Cobalt Site Boundary
- NWSA Boundary

GOULDS PUMPS COBALT SITE  
240 FALL STREET  
SENECA FALLS, NEW YORK  
SITE NO.C850012

Map Created 8/19/2014

