



FACT SHEET State Superfund Program

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

Site Name: Old Erie Canal -Village of Clyde Section
DEC Site #: 859015
Address: Columbia Street
Clyde, NY 14433

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 Old Erie Canal -Village of Clyde Section site ("site") located at Columbia Street, Clyde, Wayne 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 Disposal 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 is \$1,700,000. The cleanup will be funded by the responsible parties which include Parker Hannifin and General Electric Corporations.

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

http://www.dec.ny.gov/cfm/extapps/derexternal/haz/details.cfm?pageid=3&progno=859015

Highlights of the Upcoming Cleanup Activities

The goal of the cleanup action for the site is to achieve cleanup levels appropriate for industrial use that protect public health and the environment. The cleanup for the site will be completed according to the approved work plan with oversight by the New York State Departments of Environmental Conservation and Health (NYSDEC and NYSDOH). The cleanup includes the following actions:

- 1. Groundwater contamination will be addressed by injecting emulsified vegetable oil and nutrients into the groundwater to promote bacterial growth that will degrade contaminants in the groundwater. This will occur at three areas of the site including under the southern section of the manufacturing building, outside the southern end of the manufacturing building, and within the former barge turnaround area. Groundwater will be monitored for site related contamination to evaluate the effectiveness of the remedy.
2. Surface soil contamination in the drainage swale at the south end of the site will be covered with one foot of clean soil to prevent exposure to contaminated soils.
3. The current manufacturing area of the building is operated under a positive pressure environment to control the indoor temperature and humidity. The positive pressure system prevents contaminated soil vapors from entering the indoor air of the building and affecting indoor air quality. The system will be inspected on a regular basis.

4. An institutional control in the form of an environmental easement will be applied to the site that restricts the site to industrial uses and restricts the use of groundwater for drinking water purposes.

The public may notice the following during the course of the cleanup:

- Construction equipment;
- Storage tanks and soil piles; and
- Noise typical of construction sites.

A Community Air Monitoring Plan (CAMP) will be implemented to provide a measure of protection for the downwind community (i.e., off-site receptors including residences and businesses and on-site workers not directly involved with the subject work activities) from potential airborne contaminant releases during the remedial work activities. Dust and odors will be controlled at the site as needed.

Field work is expected to begin in July and be completed by this fall.

### **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 Old Erie Canal site is located at 124 Columbia Street in a residential section of the Village of Clyde, Town of Galen, Wayne County. The site is approximately 0.25 miles west of the intersection of Columbia Street and State Route 414.

#### Site Features:

The approximately 10 acre site includes the Advanced Atomization Technologies (AA Tech) property, which contains the manufacturing building, and adjacent parcels to the west and southwest. The properties to the west/southwest are an open area that includes a filled-in section of the former Erie Canal and a section that was used as a barge turnaround. The site is bounded to the north by Columbia Street and residential properties, to the east by a commercial property, and to the west by residential properties. The adjacent residential properties are on public water. An active rail line and the New York State Barge Canal border the site to the south. A drainage channel passes to the west of the manufacturing building and eventually drains to the Barge Canal.

#### Current Zoning/Use:

The site is currently zoned industrial. AA Tech manufacturing operations are currently active and serviced with public water. The former barge turnaround area is undeveloped.

#### Past Use of the Site:

Manufacturing operations have occurred at the site since the early 1800s. Glass manufacturing dominated site operations into the early 1930s. The Acme Electric Company (Acme Electric) purchased the property in 1941 for production of transformers. The current facility was built in 1941. Acme Electric manufactured electrical equipment, transistors, radar components and transformer

components for use by the United States Navy during World War II. These manufacturing activities are thought to have generated some chlorinated solvents (volatile organic compounds – VOCs), spent stripping solutions, plating bath sludges, polychlorinated biphenyl (PCB) capacitors, and paint sludges.

General Electric (GE) purchased the facility in 1945 for the manufacture of electrical equipment, including fluorescent light ballasts, rectifiers, transistors, and diodes. Parker Hannifin purchased the facility from GE in 1965 initially for the manufacture of automobile air conditioning systems. Historical GE and Parker Hannifin manufacturing processes included the use of VOC degreasers as well as miscellaneous metal fabricating activities which would also utilize VOCs. The manufacturing facility currently manufactures fuel nozzles primarily for commercial aircraft engines.

The Old Erie Canal was excavated through the southern portion of the site between 1817 and 1825. Initially, the canal was 40 feet wide and 4 feet deep. Between 1836 and 1862, the canal was enlarged to a width of 70 feet and a depth of 7 feet. The enlarged canal included the former Barge Turnaround located in the southwestern portion of the site. The present day Barge Canal was constructed beginning in 1908 utilizing a portion of the Clyde River south of the site. The portion of the Old Erie Canal adjacent to the site was abandoned in 1917.

The Old Erie Canal and former Barge Turnaround were used as historic disposal/fill sites. In the Village of Clyde, local contractors reportedly used the abandoned canal for the disposal of construction and demolition debris. The section of the Old Erie Canal along the southern portion of the Parker Hannifin property was reportedly filled by Parker Hannifin between 1968 and 1979.

The Village of Clyde sanitary sewer system historically discharged to a septic tank located at the confluence of the former Barge Turnaround and the Old Erie Canal. Waste was discharged from the septic tank to a catch basin located in the unfilled portion of the Old Erie Canal and, ultimately, to the Clyde River. The Village abandoned and subsequently demolished the septic tank as part of sanitary sewer system improvements completed between 1968 and 1972.

#### Site Geology and Hydrogeology:

Groundwater flow in the area is generally to the south. There are overburden and bedrock groundwater aquifers present. Groundwater has been measured at depths ranging from 2 to 10 feet below the ground surface. Bedrock is encountered approximately 25 feet below ground surface. This is overlain by a layer of glacial till 10 to 20 feet thick. This till is overlain by layers of sand and gravel. A layer of fill material comprises the uppermost layer and is of greater depth in the barge turnaround section.

**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.

Clyde Savannah Public Library  
204 Glasgow Street  
Clyde, NY 14433  
phone: (315) 923 - 7767

NYSDEC Region 8  
6274 E Avon Lima Road  
Avon, NY 14414  
phone: (585) 226 – 5324 (call for  
appointment)

### Who to Contact

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

#### Project Related Questions

Danielle Miles, Project Manager  
New York State Department of Environmental  
Conservation  
Division of Environmental Remediation  
6274 East Avon-Lima Road  
Avon, NY 14414  
585-226-5349  
danielle.miles@dec.ny.gov

#### Site-Related Health Questions

Melissa A. Doroski  
New York State Department of Health  
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.

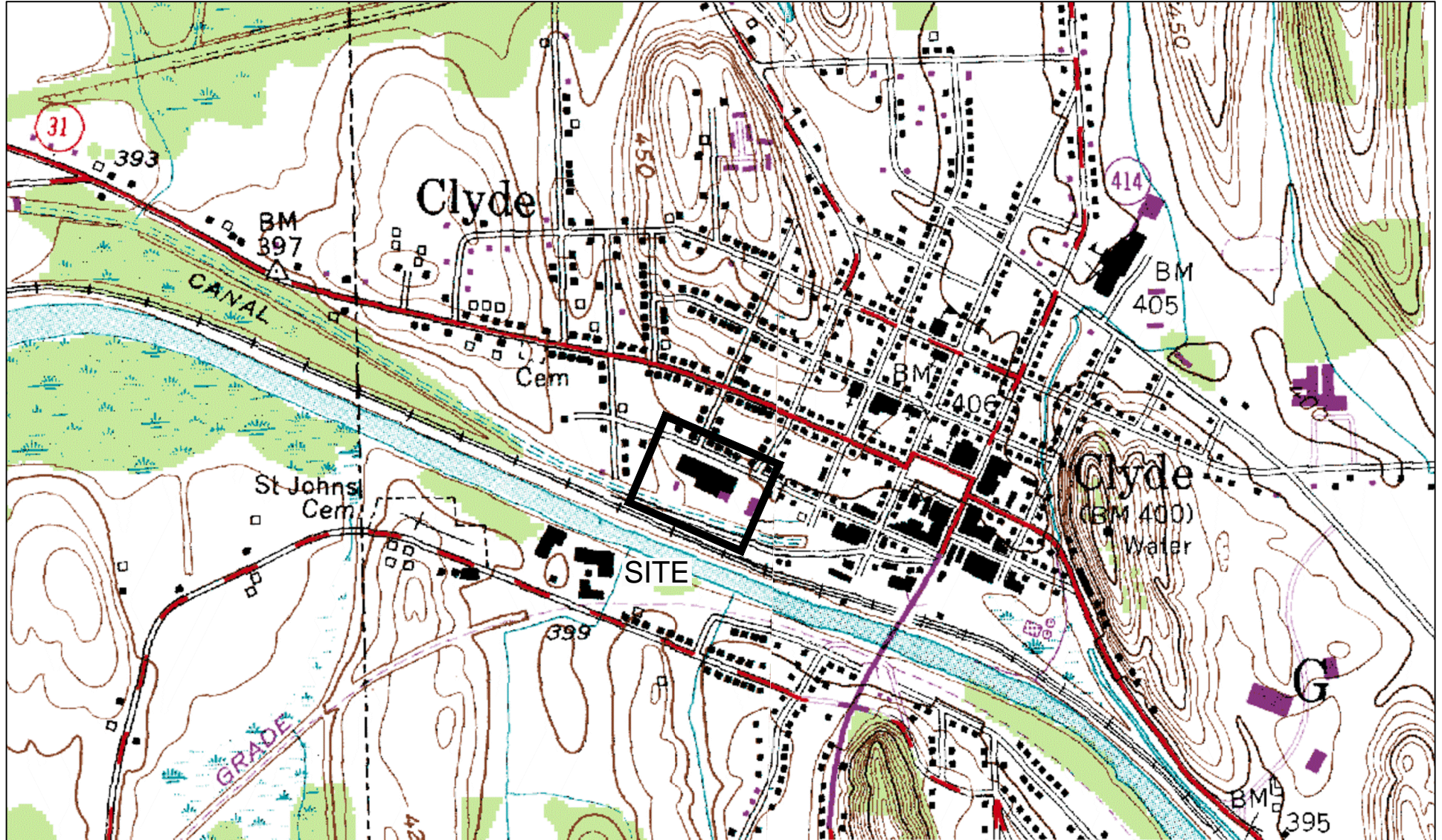


figure 1

**SITE LOCATION MAP**  
**OLD ERIE CANAL SITE**  
*Clyde, New York*

SOURCE:  
 USGS, USC&GS,TVA, NEW YORK  
 QUADRANGLE, DATED 1953

