



FACT SHEET

State Superfund Program

Friedrichsohn Cooperage
546045
Waterford, NY

July 2009

Investigation to Begin at State Superfund Site Public Meeting Announced

The New York State Department of Environmental Conservation (NYSDEC) in cooperation with the New York State Department of Health (NYSDOH) will soon begin a detailed environmental study at the Friedrichsohn Cooperage ("site") located at 155 Saratoga Ave. in Waterford, Saratoga County. See map for 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.

Highlights of the Site Investigation

The study to be done at the site is called a "Remedial Investigation," and will be performed under New York's State Superfund Program. The investigation work plan is called a "Remedial Investigation Work Plan" and a paper copy will be available for public review beginning on July 27 at the locations identified below under "Where to Find Information." The investigation work plan will also be available after July 28 on the NYSDEC web site at:

<http://www.dec.ny.gov/chemical/37562.html>.

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 the environment go through a process of investigation, evaluation, cleanup and monitoring.

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

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

Public Meeting
Tuesday, July 28, 2009
7:00 pm

FB Peck Hose Company Firehouse
85 Saratoga Avenue
Waterford, New York

NYSDEC invites you to a public meeting to discuss the upcoming investigation of the site. NYSDEC will provide details about the study and invite your questions.

The site investigation has several goals:

- 1) define the nature and extent of contamination in soil, surface water, groundwater and any other parts of the environment that may be affected
- 2) identify the source(s) of the contamination
- 3) assess the impact of the contamination on public health and the environment
- 4) provide information to support the development of a proposed remedy to address the contamination.

From 1994 to 1996, the USEPA conducted an

emergency removal action at this site to remove a large volume of exposed wastes. The State funded remedial investigation, for which field work begins this year, will determine the extent of contamination which remains in the soil, the sediment and the groundwater. Contamination found at the site is the result of cleaning and repairing 55 gallon drums at the former Cooperage. This contamination includes pesticides such as aldrin, chlordane, and DDT found in the soils and sediments; metals such as arsenic, chromium, and lead found in the soils, sediments and groundwater; PCBs found in the soils and sediments; semi-volatile organic compounds such as phenol found in wastes, sediments, and groundwater, and volatile organic compounds such as acetone, dichloroethene, vinyl chloride, and gasoline components benzene, toluene, ethylbenzene and xylene found in the groundwater.

Contamination has been identified in the sediments of the canal, the subsurface soils within the fenced area and the groundwater beneath the former cooperage and extending to the southeast across the canal. The potential for the site to impact the air in nearby homes has been evaluated. No impacts from site contaminants were found in the air of nearby homes. The sampling to be conducted this year will further define where this contamination is so that we may address any impacts and plan the best method or methods to clean it up.

Field work for the Remedial Investigation will include:

- ▶ A land survey to prepare a base map of the area. July 20th to 22nd.
- ▶ Geophysical survey of areas near the canal and collection of surface soil samples. Surface soil samples to be collected onsite, inside the fence, and offsite, outside the fence. July 27th to 31st. Geophysics to look for buried metal objects at offsite locations where information has indicated buried metal objects are possible.
- ▶ Geoprobe soil borings and vapor points. Involves truck mounted equipment which will push a sampler into the soil to collect subsurface soil samples and install points to collect soil vapor samples. Work on site, within the fence, and offsite, outside the fence. August 3rd to 14th.
- ▶ Sediment samples collected from a barge or boat in the Canal. Tentatively scheduled for August 17th to 28th.
- ▶ Sediment samples collected inside the site fence. Tentatively scheduled to begin the end of August.
- ▶ Installation of monitoring wells. Tentatively scheduled to begin the end of August.
- ▶ Sampling of the groundwater in the bedding of the sanitary lines. Scheduled to be determined.
- ▶ Continued evaluation of the potential for soil vapor intrusion; the collection of indoor air and sub-slab vapor points. To be scheduled for the 2009 - 2010 heating season.

As data is gathered and assessed, additional sampling may be scheduled. With the exception of sampling during the heating season, the current goal is to complete the bulk of the sampling field work by October 31, 2009. This is a goal and may change dependent on the field schedule. The monitoring wells are planned to be installed during two mobilizations, the second of which will be dependent upon the results of the first round of groundwater sampling which would not happen until the end of September. As it may take up to a month after sampling to receive the water analytical data, the second drilling mobilization may not be scheduled until November.

Next Steps

The information collected during the investigation will be summarized in a report. After the site

investigation has begun, NYSDEC will conduct a “Feasibility Study”. This study will use information developed during the site investigation to develop and evaluate potential ways to clean up contamination related to the site.

NYSDEC will then develop a draft cleanup plan, called a “Proposed Remedial Action Plan”. This plan will describe the remedy preferred by NYSDEC. The draft cleanup plan will summarize the decision that led to the preferred remedy by discussing each alternative and the reasons for choosing or rejecting it. The goal of the plan will be to ensure the protection of public health and the environment. NYSDEC will present the draft cleanup plan to the public for its review and comment at a public meeting to be scheduled after all of the data is collected and evaluated. A 30 day public comment period will follow the presentation of the draft cleanup plan.

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

Background

The Friedrichsohn Cooperage site is a half acre property located at 153-155 Saratoga Avenue in Waterford, NY. A cooperage operated at the site from approximately 1817 to 1991. The site is bordered on the east by the former Champlain Canal, residences are adjacent to the property to the southwest and northeast, and there are residences and commercial property across Saratoga Ave from the site.

During its early operations, the cooperage made and refurbished wooden kegs and barrels. When the Cooperage closed in 1991 the primary business was cleaning and refurbishing metal drums. Industries in the area would use the contents of a drum and send the used drum to the Cooperage to be cleaned, repainted and sold. Inspection and examination of the Cooperage buildings in 1994 found the buildings themselves in poor condition and thousands of abandoned drums, some leaking.

The United States Environmental Protection Agency conducted an emergency removal action between 1994 and 1996, removing 322 tons of contaminated sludge/soil, 9,000 gallons of liquid waste, and 3767 drums from the property. The buildings were torn down. This emergency removal action removed the majority of the exposed wastes present at the site. In the spring of 2008, consultants working for the NYSDEC collected samples of the soil, surface water, sediment, waste, and groundwater to assess the presence or absence of contamination following the emergency removal action. The data collected during the sampling was used to list the site on the NYS Registry of Inactive Hazardous Waste Disposal sites.

FOR MORE INFORMATION

Where to Find Information

Project documents are available at the following location(s) to help the public stay informed. These documents include the investigation work plan.

NYSDEC
625 Broadway
Albany, New York 12233-7015
Please call for an appointment
518-402-9620
Hours: 8:30 to 4:30

Waterford Town Hall
65 Broad Street
Waterford, NY 12188
518-235-8282
Hours: Mon: 9 am to 7 pm
Tue thru Thu: 9 am to 4 pm
Fri: 9 am to 2 pm

Who to Contact

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

Project Related Questions

Daniel J. Eaton
New York State Department of
Environmental Conservation
625 Broadway
Albany, New York 12233-7015
518-402-9620
djeaton@gw.dec.state.ny.us

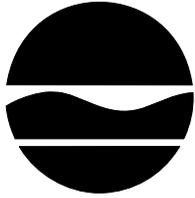
Site-Related Health Questions

Nathan Freeman
New York State Department of Health
547 River Street
Flanigan Square
Troy, New York 12180
518-402-7870
ntf01@health.state.ny.us

If you know someone who would like to be added to the site contact list, have them contact the NYSDEC project manager above. 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.



NEW YORK STATE
DEPARTMENT OF



ENVIRONMENTAL
CONSERVATION

This Fact Sheet is to inform you about the listing of the Friedrichsohn Cooperage site on the NYS Registry of Inactive Hazardous Waste Disposal Sites. If you have any questions regarding the site, please contact:

Mr. Daniel J. Eaton
Project Manager
NYSDEC

625 Broadway
Albany, NY 12233-7015
(518) 402-9620
djeaton@gw.dec.state.ny.us

For Citizen Participation questions, contact:

Mr. David Winchell
Citizen Participation Sp.
NYSDEC (518) 897-1248

For site related health questions, please contact the following New York State Department of Health (NYSDOH) representative:

Mr. Nathan Freeman
Public Health Specialist
NYSDOH
547 River Street
Troy, NY 12180
1 (800) 458-1158

FACT SHEET

Friedrichsohn Cooperage

State Superfund Investigation

Site Number 546045

January 2009

Class 2 Registry Classification Fact Sheet

The New York State Department of Environmental Conservation (NYSDEC), in cooperation with the New York State Department of Health (NYSDOH), has placed the former Friedrichsohn Cooperage facility on the Registry of Inactive Hazardous Waste Disposal sites with a classification of 2. A class 2 site is a site where hazardous wastes have been disposed of and the disposal of the wastes presents a significant threat to the environment and/or public health. The Friedrichsohn Cooperage site is located at 153 to 155 Saratoga Avenue in Waterford.

The next step in the process at this site will be to conduct a Remedial Investigation/Feasibility Study. The Remedial Investigation (RI) will determine the nature and extent of the contamination. This will involve determining the location of the contamination, the media that is contaminated, such as soil, water, or soil vapor and what is happening with the contamination. Once that information is gathered, the DEC will use the RI information to perform a Feasibility Study (FS). The FS becomes the basis for the selection of a remedy that effectively eliminates the threat posed by the contaminants at the site. The selection of a remedy will be memorialized in a Record of Decision (ROD).

Throughout the remedial process, the State encourages public involvement by giving the public a key role in the remedy selection process of the RI/FS. Public meetings, newsletters, fact sheets and project documents contribute to the exchange of information and provide for community comment.

The RI/FS process requires a detailed examination of the site. Because of this, professionals at the DEC, in consultation with the DOH, work with consultants, contractors, the municipality, potentially responsible parties, and the community to investigate the contamination and select the remedy. The process can take up to two years to complete.

Summary of Site Information

The Friedrichsohn Cooperage site is located at 153-155 Saratoga Avenue in Waterford. This former cooperage operated from approximately 1901 to 1991. Inspection and examination of the buildings in 1994 found thousands of drums, some leaking, and the buildings themselves in poor condition. The USEPA conducted an emergency removal action between 1994 and 1996, removing 322.5 tons of contaminated sludge/soil, and 9,000 gallons of liquid waste. 3,767 drums were removed from the property. The buildings were also torn down. This emergency removal action addressed a majority of the exposed wastes present at the site. The site now looks like a vacant lot. DEC installed groundwater monitoring wells on the southeast side of the Old Champlain Canal and northwest of Saratoga Ave. Samples of the groundwater, surface water in the canal, soil, and sediments were collected in the spring of 2008. These samples formed the basis for the listing of the site as a class 2.

Wastes were found exposed on the Friedrichsohn property, on the bank of the canal. The State has contracted to have a fence put up around the site to eliminate potential contact with the waste exposed on the bank. The property corners will be located by a surveyor and the fence will be erected in February 2009.

Contaminants were found in the subsurface soils at levels exceeding the Part 375 soil cleanup objectives for unrestricted use. Contaminants are impacting the sediments at levels which exceed the DEC Guidance for Screening Contaminated Sediments. Contaminants are impacting the surface water and groundwater at levels which exceed NYS Standards.

The USEPA emergency removal action was completed at the end of 1996. The site was evaluated by the DEC and follow up sampling was planned and prioritized for a site that had had contamination removed. Between 1997 and 1999, the Department worked to set up the sampling; working on access to properties, preparing work plans, and tasking contractors. The Department was able to contract to install the monitoring wells necessary to evaluate the groundwater around the facility. The wells were installed in April of 2000. In 1999 the State Superfund (SSF) reserve was diminished and some sampling activities were placed on hold. The SSF was reauthorized by the legislature in 2003. 2003 was also the year that the Division of Environmental Remediation reorganized to adapt to shifting resources. In April 2006 the site was reassigned to the Remedial Bureau A and shortly thereafter the project was assigned to Mr. Daniel Eaton as project manager. In 2008, the contract was established to complete the sampling effort. In April of 2008 the samples were collected, sent to an analytical laboratory and in October 2008 the report documenting the sampling event was completed. The site was classified as a class 2 in December of 2008.

Public Repositories

Your understanding and involvement in this project will help insure its effectiveness. If you would like more information about this project, please feel free to contact the NYSDEC and NYSDOH individuals listed on the front of this Fact Sheet at any time with your questions and concerns. Additional documents for this site may be found at the following Public Repositories.

Waterford Town Hall
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Waterford, NY
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