

**New York State
Department of
Environmental
Conservation**

Meeting Date and Location:

7:00 PM, Thursday
March 19, 2009
at the
American Legion Hall
7 Spring Street
Wappingers Falls, NY

*alternate date of March 23 in
case of postponement due to
severe weather conditions*

Public Comment Period:

February 28, 2009 through
March 30, 2009

**Send Written
Comments to:**

Michael MacCabe, P.E.
NYS Department of
Environmental Conservation
625 Broadway, 12th Floor
Albany, NY 12233-7016
mdmaccab@gw.dec.state.ny.us

**Local Document
Repositories:**

Village Clerk
Wappingers Falls Village Hall
2628 South Avenue
Wappingers Falls, NY 12590
845-297-8773
Mon.- Fri. 9:00 - 4:30

Grinnell Library
2642 East Main Street
Wappingers Falls, NY 12590
845-297-3428
Mon. - Thurs. 9:30 to 8:00
Fri. & Sat. 9:30 - 5:00
Sunday 1:00 - 4:00

PROPOSED REMEDIAL ACTION PLAN MEETING INVITATION AND FACT SHEET

Three Star Anodizing Site Village of Wappingers Falls, Dutchess County, NY Site No. 3-14-058

The community is invited to attend a public meeting on Thursday, March 19 at 7:00 PM at the American Legion Hall on 7 Spring Street in Wappingers Falls to discuss the Three Star Anodizing Inactive Hazardous Waste Disposal Site project. This meeting is sponsored by the New York State Department of Environmental Conservation (NYSDEC) and the New York State Department of Health (NYSDOH) to present the Proposed Remedial Action Plan (PRAP) to address the environmental contamination at the site. The NYSDEC will present several remedial alternatives that were evaluated for remediation of the site, along with the rationale for recommending the proposed alternative.

The Three Star Anodizing Site is approximately 8.5 acres within the Market Street Industrial Park in a suburban area of the Village of Wappingers Falls, Dutchess County. The site consists of several buildings, remnants of destroyed buildings, weathered paved parking areas and access roadways. As shown in Figure 1, the site is located on the south bank of Wappinger Creek approximately 1.5 miles up stream from the Hudson River.

The site has been the location of industrial activities for over 175 years. Primary past uses of the site included textile dyeing operations, a manufactured gas plant (MGP), and a metal plating facility. A number of other smaller industrial activities also took place at the site.

The Three Star site has independent areas (see Figure 2) where different types of industrial activity occurred and, subsequently, different types of contaminants are present. The areas are identified as follows: the Axton-Cross area where a chemical distributor had operated; the former water raceway where water had once been directed to drive water wheels early in the industrial revolution and was also used as a conduit for the disposal of liquid wastes; the Three Star Lagoon which is a small man-made water body at the terminus of the raceway just before Wappinger Creek where much of the contamination that had been disposed of via the raceway had settled; the Building 15/16/17 area which includes the 23 metal plating vats; the Building 21/22 area in front of buildings 15/16/17 where three aboveground petroleum storage tanks are present; and the manufactured gas plant (MGP) area.

Remedial Investigation: A remedial investigation (RI) and feasibility study (FS) were funded under the New York State Superfund program. The RI consisted of sampling and analysis of groundwater, soil, surface water and sediment on and near the site. The objective of the investigation was to determine the extent of the contamination and locate the source of the contamination that continues to impact groundwater. Copies of the RI and FS reports and other documents are available for public review at each of the

document repositories listed in this fact sheet.

A supplemental remedial investigation (SRI) conducted in November 2005 and April 2006 focused on the twenty-three plating vats and the groundwater in the immediate vicinity. The vats are exposed to the environment due to the May 2004 fire and were accumulating precipitation. The objective of the SRI was to determine what degree of contamination was present in the vats and, if the water in the vats was contaminated and had that contamination leaked into the sub-surface and impacted the soil beneath and the on-site groundwater.

Interim Remedial Measures: An interim remedial measure (IRM) is conducted at a site when a source of contamination or exposure pathway can be effectively addressed before completion of the RI/FS.

Shortly after the fire, an EPA contractor was mobilized to the site to begin a removal action. On July 6, 2004, EPA began to clear debris and to stage the drums and containers. Waste containers were removed from all of the on-site buildings. Due to the destruction caused by the fire, many of the containers were buried by debris. EPA's contractor also determined that many areas were unsafe due to unstable, damaged structures. Demolition of unsafe remnants of the damaged buildings was conducted to allow the contractor to safely complete the removal action.

Approximately 230 waste containers were sampled for hazardous waste categorization. The wastes were then consolidated in to 66 drums for proper disposal. Twenty compressed gas cylinders were removed prior to and during the removal action. An approximately 10,000-gallon storage tank was pumped out and cleaned. The tank remains on-site. Some oil contaminated soil was placed into drums. The EPA removal action concluded on August 6, 2004 and all of the wastes were transported off-site on November 10 for final disposal.

The NYSDEC had a chain link fence and signs installed around the former plating vats in May 2005 to prevent exposure to the physical threat presented by the vats. In April 2006, the liquids were pumped from the vats for off-site disposal. Due to elevated concentrations of chromium and other contaminants the 12,100 gallons pumped from vats 1, 7, and 8 were disposed of as hazardous waste. Approximately 127,000 gallons were removed from the remaining vats.

A fence built around the vats to prevent exposure to physical hazards was cut open in three locations by trespassers. A larger fence was constructed in January 2009 around the remaining buildings, the vats and most of the debris. The new fence will remain in place through the remediation.

Remedial Alternatives and the Proposed Remedy: To address the contamination discussed above, the following four remedial alternatives were presented and evaluated in the FS.

- No action.
- Institutional and engineering controls, and groundwater monitoring.
- On-site treatment and containment and vat containment.
- Vat removal, lagoon dredging and limited excavation and soil covers.
- Vat Removal, Lagoon Excavation and Complete Excavation of All Soil Contamination above 6 NYCRR Part 375 Cleanup Objectives for Unrestricted Use

The PRAP summarizes the remedial alternatives, presents the proposed remedy, and explains the reasoning for the selection of proposed remedy. The proposed remedy consists of the following actions:

- Excavation of the contaminated soil exceeding SCGs near the Axton Cross building for off site disposal. Soil vapor intrusion testing and, if necessary, mitigation of soil vapor impacts to the Axton Cross building would be conducted.
- Demolition and removal of the former metal plating vats and excavation and off-site disposal of any

grossly impacted soil.

- Excavation of contaminated soil from a 10,000 square foot area in the lower raceway to a minimum depth of one foot and covered with a minimum of one foot of clean soil.
- Excavation of contaminated sediment from the Three Star lagoon to be replaced with clean fill to the original depth.
- Removal of surface debris from the manufactured gas plant (MGP) area. Demolition of the gas holder foundations in the MGP area and excavation of the soil within them for off-site disposal. Excavation of a 25-foot buffer along the Wappinger Creek and the Three Star Lagoon to a depth of one foot, after removal of existing trees and vegetation as needed, to be covered with two feet of clean soil, and replanted with native wetland and riparian plants. Covering of the remaining 2.5 acres of the MGP area with one foot of clean soil where surface soil contaminants are above commercial cleanup objectives.
- Covering of approximately 2.5 acres of the site, including the area just west of the Axton Cross building and areas near the other on-site buildings, with a soil cover
- Implementation of institutional controls to include an environmental easement.
- Development and implementation of a site management plan.
- A periodic certification of the institutional and engineering controls.

The NYSDEC, in conjunction with the NYSDOH, is committed to establishing effective two-way communication with the public. The public is encouraged to make use of the document repositories and to comment on the Proposed Remedial Action Plan (PRAP), either during the March 19 public meeting, or during the **public comment period from February 28 through March 30**. Written comments should be sent to Michael MacCabe at the NYSDEC's Albany office at the address listed. After considering both verbal and written comments on the PRAP, the NYSDEC will select the remedy for the site and issue the Record of Decision (ROD). When the remedy is selected, a copy of the ROD will be placed in the site's document repositories and a Notice of ROD Availability will be mailed to the site's contact list.

Costs and Funding for the Site Remedy

The total present worth to construct and implement the proposed remedy is estimated at \$10,600,000. Remediation costs will be funded under the New York State Superfund program.

Contacts For Additional Information:

About the site and the remedy:

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For health-related concerns:

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518-402-7880
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For citizen participation:

Citizen Participation Specialist
Michael Knipfing
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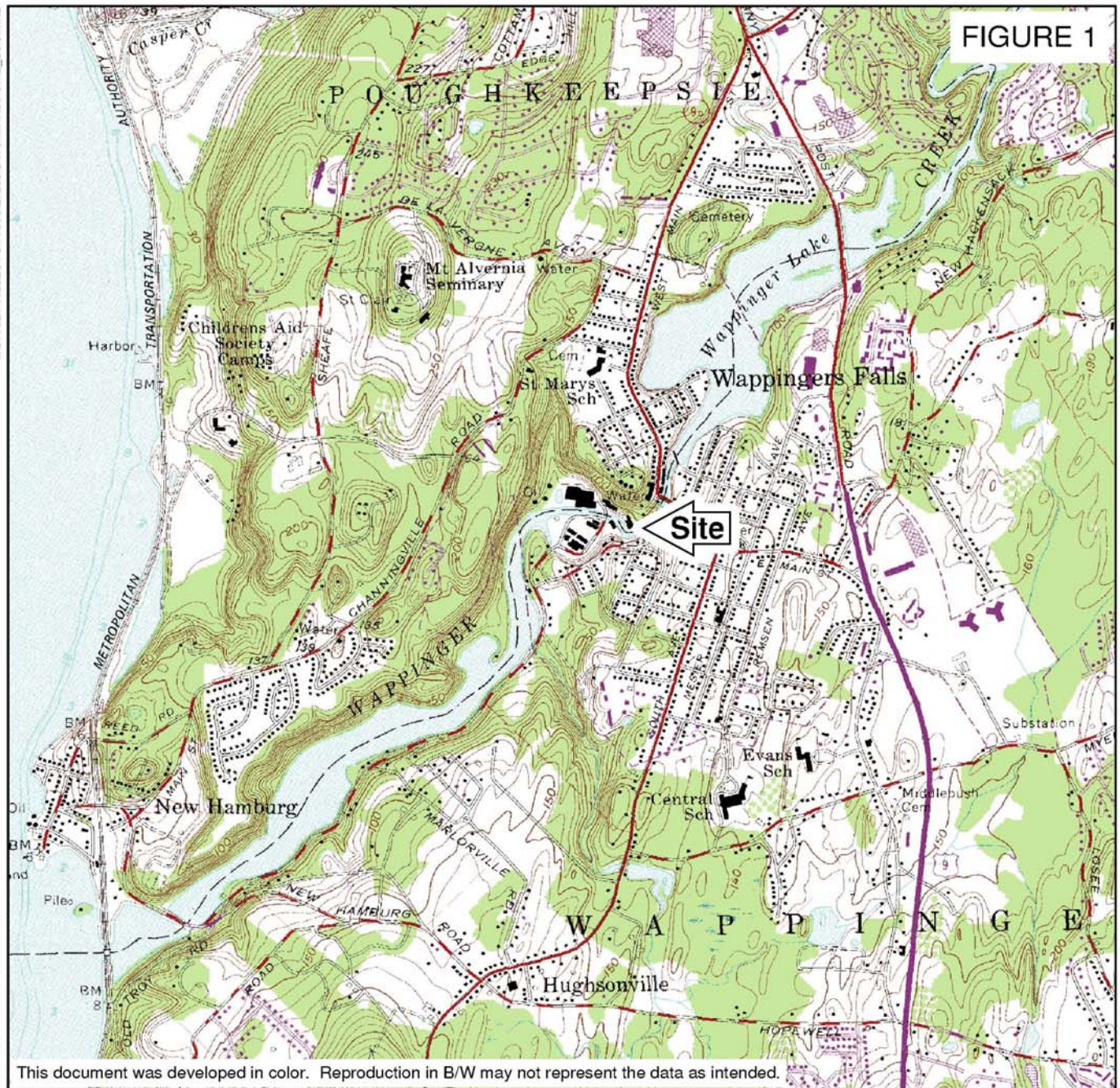
Additional Document Repositories:

NYSDEC Central Office
625 Broadway, 11th Floor
Albany, NY 12233-7016
Attn: Michael MacCabe
Phone: 518-402-9620
Mon-Fri: 8:00-4:15

NYSDEC Region 3 Office
21 South Putt Corners Rd
New Paltz, NY 12561
Attn.: Michael Knipfing
845-256-3154
Mon-Fri - 8:30 to 4:45

NOTE: In the event of severe weather conditions on March 19, the meeting will be rescheduled to March 23 at the same place and time.

FIGURE 1

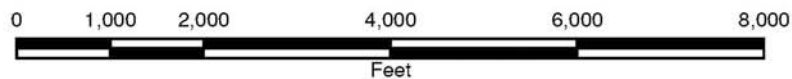


ADAPTED FROM: WAPPINGERS FALLS, NY USGS QUADRANGLE

NEW YORK STATE
DEPARTMENT OF
ENVIRONMENTAL CONSERVATION
THREE STAR ANODIZING SITE
WAPPINGERS FALLS, NEW YORK



SITE LOCATION



10653.27258
NOVEMBER 2007

1:24,000



New York State
Department of Environmental Conservation
Division of Environmental Remediation

Investigation Areas

Figure 2

Three Star Anodizing
(Site #314058)
Wappingers Falls
New York

Legend

- Site Investigation Areas
- Former Gas Holder

0 25 50 100 150 200
Feet

