



# FACT SHEET

May 17, 2005

Former Duso Chemical

No. 3-14-103

33 Fulton Street, Poughkeepsie, NY

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## Site Investigation to begin at Former Duso Chemical Site

The New York State Department of Environmental Conservation (NYSDEC), in consultation with the New York State Department of Health (NYSDOH), is providing this fact sheet as part of the state's citizen participation program for inactive hazardous waste disposal sites.

### Site History and Background

Duso Chemical is the site of a former chemical storage and distribution facility located at 33 Fulton Street in the Town of Poughkeepsie, Dutchess County, NY. The site is located in a mixed residential and commercial area and is estimated to be three acres in size. Star Gas Products, a distributor of propane, is currently operating on the property. All nearby residences are served by public water. Figure 1 is a map showing the location of the site.

The site was the subject of several investigations in the mid 1990's to assess environmental conditions at the Mid-Hudson Business Park (MHBP), a parcel of land adjacent to the Duso Chemical site, located at 95 and 125 North Road in Poughkeepsie. A Phase I Environmental Site Assessment conducted in 1993/1994 found high levels of volatile organic compounds (VOCs) in the groundwater of the MHBP. Based on this information, a Phase II Investigation and a Remedial Investigation were then performed. They determined that the contaminated area was confined to the groundwater in the southeastern area of the property. Since a source had yet to be ascertained, a Supplemental Remedial Investigation was conducted to investigate possible off-site contamination sources. The results of this investigation indicated that there is likely a source emanating from the former Duso Chemical site. Historical records show that there was a chemical fire at the Duso Chemical Plant in the early 1960's which is suspected to have released a large quantity of an unknown materials. This may have been a contributing factor in causing the contamination at the site.

In 1999, the NYSDEC listed the Duso site on the state's Registry of Inactive Hazardous Waste Disposal Sites as a Class 2 site. A Class 2 site is defined as having hazardous wastes present at concentrations representing a significant threat to human health and/or the environment, and requires remedial action.

## **The Investigation**

The first step in the clean up process is a remedial investigation (RI). The RI is conducted to determine the full nature and extent of a site's contamination.

Specific objectives of the Former Duso Chemical Site Remedial Investigation are as follows:

- Determine the nature and extent of the contamination
- If possible, locate a definitive source of the contamination
- Identify any contaminant transport mechanisms and potential human and/or ecological receptors impacted by the site as part of a Human Health Exposure Assessment and Environmental Exposure Assessment
- Collect and assess data to evaluate a range of remedial alternatives for addressing site contamination

To meet these objectives, the following activities will be performed:

- A subsurface soil investigation will be conducted by sampling soil borings for a wide range of contaminants.
- Conversion of many of the soil borings into monitoring wells in order to conduct a groundwater investigation.
- Sampling of surface soil to characterize shallow soils and assess human health exposures
- Sampling of surface water and sediments in the nearby stream to determine impacts of migrating contaminants.
- Conduct a Vapor Intrusion Program to evaluate indoor air quality of buildings on and near the site.

The field sampling program is scheduled to begin in late June. Following the investigation, the next step in the remediation process is to conduct a Feasibility Study (FS) to evaluate potential remedies for the site.

## **Citizen Participation**

Based on the results of the RI/FS, the NYSDEC, in consultation with the New York State Department of Health (NYSDOH), will develop a Proposed Remedial Action Plan (PRAP) which will be made available for review by the public. During a 30 day comment period, a public meeting will be held in the community to present the PRAP in detail, and to receive comments. Following consideration of public comments on the PRAP, the NYSDEC and NYSDOH will issue a Record of Decision (ROD) which formally selects a remedy for the site.

Copies of the work plan, which describes the RI/FS process in detail, are available for your

review at the document repositories listed below. As additional documents are created, they will be placed in the site's repositories.

### **Document Repositories**

Information and documents pertaining to the site are available for public review at the following locations:

Adriance Memorial Library  
93 Market Street  
Poughkeepsie, NY 12601  
(845) 485-3445  
Hrs: M-Th 9am-9pm;  
F-S 9am- 5pm; Su 1pm-5pm

NYSDEC Region 3 Office  
21 South Putt Corners Road  
New Paltz, New York 12561  
Attn: Mr. Michael Knipfing  
(845) 256-3154  
Hours: M-F, 9-4  
By appointment

NYSDEC Central Office  
625 Broadway  
Albany, NY 12304-7014  
Attn. Mr. John B. Miller  
(518) 402-9564  
Hours: M-F, 9-4  
By appointment

The NYSDEC encourages your participation in the project. Your understanding and involvement can help ensure a cleanup program that effectively protects public health and the environment.

### **For More Information**

#### **The Site Investigation and Work Plan:**

John B. Miller  
Project Manager  
NYSDEC  
625 Broadway  
Albany, New York 12233  
(518) 402-9564

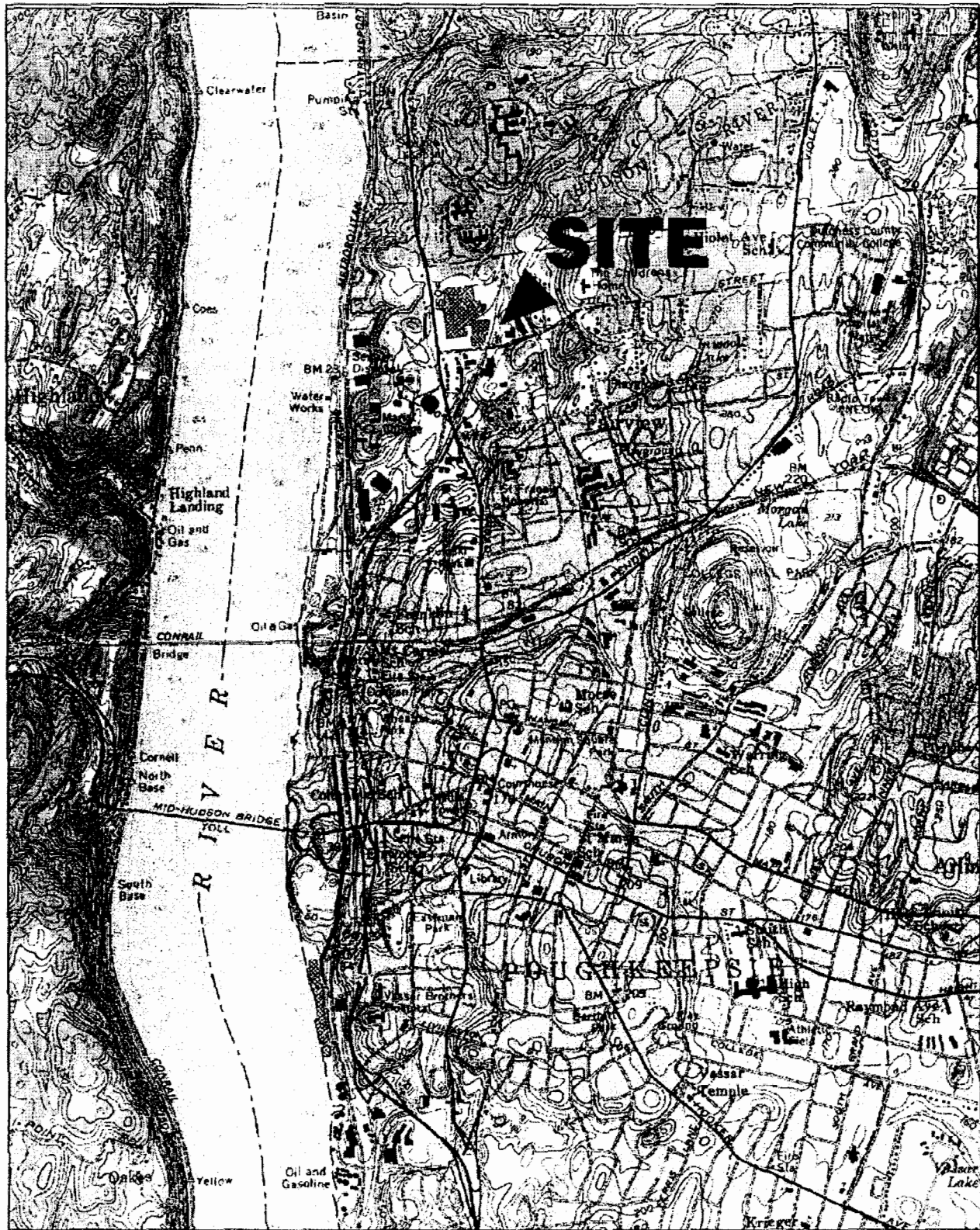
#### **Citizen Participation:**

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#### **Health Related Information:**

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Public Health Specialist  
NYS Department of Health  
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**Figure 1**



**SITE LOCATION MAP**  
**Duso Chemical**  
**Poughkeepsie, New York**

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**FIGURE 1**