

fact sheet. hw738029,  
2003-08. ESD. pdf



# FACT SHEET



## Former Miller Container Site

Site ID No. 7-38-029

August 2003

### Introduction

The New York State Department of Environmental Conservation (NYSDEC) is pleased to announce the Explanation of Significant Differences (ESD) to the Record of Decision for the Former Miller Container Site (the Site). A description of the modifications made to the remedy, since the Record of Decision was issued, is summarized below in the section entitled "Explanation of Significant Differences."

### Background and History

The Former Miller Container site is located on the east side of Route 57 approximately 1000 feet south of the intersection with Route 481 in the Town of Volney, Oswego County. Construction of the Container Plant was completed in 1976. The facility is currently occupied by Crysteel Manufacturing.

The Remedial Investigation/Feasibility Study (RI/FS) was initiated in 1991 and completed in 1994. The RI identified the presence of volatile organic contamination (VOC) in soil and groundwater at the site. The predominant contaminants of concern included tetrachloroethene (PCE), trichloroethene (TCE), trichloroethane (TCA), dichloroethene (DCE), and dichloroethane (DCA). The contamination present in the groundwater extended from the on-site building area to the west across Route 57 and was detected in the City of Fulton's municipal wells located on the west side of Route 57. A water treatment system was installed, and continues to operate, to treat the groundwater at the municipal well field. The Record of Decision

was issued in March 1995; a summary of the ROD is included below.

### Summary of Record of Decision

A Remedial Investigation (RI) was initiated at this site in 1991 to determine the nature and extent of the contamination at this site. A comprehensive source investigation study was performed as a part of the RI. Based on the information gathered during the RI a number of potential cleanup plans were evaluated in the Feasibility Study (FS). NYSDEC selected a cleanup plan for the Former Miller Container site in March 1995. The plan acknowledged work that had already been performed, included a component of the remedy to address an identified source area near the south corner of the plant building, as well as a component to address the containment of the groundwater plume. This plan is described in a document called the Record of Decision (ROD), which was issued in March 1995. The ROD also summarizes past site investigations, cleanup alternatives evaluated by the State, and comments received from the public about the chosen plan. The ROD called for:

1. A remedial design program to verify components of the conceptual design and provide the details necessary for the construction of the remedy.
2. A groundwater extraction and treatment system consisting of 13 groundwater recovery wells connected to a treatment facility located adjacent to the main plant building.

3. Soil vapor extraction to remove contaminants from soil in the southern source area.
4. Operation, maintenance, and long-term monitoring programs.
5. Continued operation of the public water treatment system as necessary to prevent the entry of site related contaminants into the public water supply system.

### **Summary of the Explanation of Significant Differences**

On March 20, 1995, the New York State Department of Environmental Conservation (NYSDEC) signed a Record of Decision (ROD) which selected a remedy to clean up the Site. The remedy was constructed and the system became operational in February 1997. After the remedy had been operating for some time, concerns were identified relative to the performance of the groundwater recovery system. There were concerns expressed that, based upon monitoring data, the system may not be completely capturing the groundwater plume. In July 2003, an Explanation of Significant Differences (ESD) was issued to document modifications to the remedy included in the ROD. The main change to the remedy is that the method of groundwater plume containment will transition from the groundwater extraction and treatment system to a permeable reactive barrier system (to be constructed with zero-valent iron).

The modified remedy consists of: 1) installing two permeable reactive barriers (PRBs) across different areas of the groundwater plume; one will be placed close to the on-site building near the source area and the second one will be placed upgradient of the municipal well field; 2) a comprehensive performance monitoring program to evaluate the effectiveness of the modified remedy; and 3) a contingency plan to be put in place if the modified remedy does not meet the remedial goals.

As discussed above, the significant differences to the remedy, compared to the remedy selected in the March 1995 ROD, is that groundwater plume containment will be accomplished by the installation of a PRB system rather than by the groundwater extraction and treatment system.

The reason for modifying the remedy is to achieve better containment of the groundwater plume with the goal being the prevention of the migration of site related contamination off site.

### **Current Status**

As indicated above, an Explanation of Significant Differences to the ROD was recently issued for this site. The Remedial Design for the PRB system is nearing completion. A copy of the design package will be placed in the repositories once it has been completed (this is anticipated for some time in late summer 2003). Construction activities will begin once the design has been completed. During remedial construction, provisions will be in place to ensure that there are no short-term impacts to the community or the environment. Again, the following summarizes the remedial program to be implemented at the site:

- ▶ installing two PRBs across different areas of the groundwater plume; one will be placed close to the on-site building near the source area and the second one will be placed upgradient of the municipal well field;
- ▶ a comprehensive performance monitoring program to evaluate the effectiveness of the modified remedy; and
- ▶ a contingency plan to be put in place if the modified remedy does not meet the remedial goals.

### **For More Information**

The Record of Decision, the design package, and other documents related to this site are available at the locations listed below:

Fulton Public Library  
160 South First Street  
Fulton, NY 13069

Hours: Mon., Fri., & Sat. 9:00 - 5:00  
Tues., Wed., & Thurs. 9:00 - 7:00

NYS Dept. of Environmental Conservation  
Region 7 Headquarters  
615 Erie Boulevard West  
Syracuse, NY 13204

Hours: Mon-Fri 8:30 - 4:45

Contact: Mr. James Burke at (315) 426-7400

If you have any questions about the site, please do not hesitate to contact one of the following staff:

#### **NYSDEC**

Mr. James Moras  
NYS Department of Environmental Conservation  
625 Broadway  
Albany, New York 12233-7013  
(518) 402-9812

Mr. John Grathwol  
NYS Department of Environmental Conservation  
625 Broadway  
Albany, New York 12233-7016  
(518) 402-9774

#### **NYSDOH**

Ms. Henriette Hamel  
NYS Department of Health  
217 South Salina Street  
Syracuse, NY 13202  
(315) 477-8163

**END**

**OF**

**DOCUMENT**