

# Katonah Municipal Well

## New York

EPA ID#: NYD980780795

### EPA REGION 2

Congressional District(s): 19

Westchester

Village of Katonah in the Town of Bedford

#### NPL LISTING HISTORY

Proposed Date: 10/1/1984

Final Date: 6/1/1986

Deletion Date: 3/20/2000

## Site Description

The Katonah Municipal Well site (Site) is located on a peninsula that extends into the Muscoot Reservoir, which supplies drinking water to New York City. The original 32 foot deep well, constructed prior to 1900, was designed to draw water primarily from the reservoir through the underlying aquifer by a mechanism known as induced recharge. The County Health Department first discovered contaminants in the Katonah Municipal Well in 1978, at which time it was taken out of service. By 1979, the possible sources of the contamination were traced to four nearby dry cleaning establishments discharging process liquids to septic systems. The County worked with the owners to correct the problems and to remove the sources. Maintenance activities at the nearby pumphouse also contributed to contamination in the aquifer. In addition, the area surrounding the well and pumphouse had been historically used for the disposal of street cleaning debris. The Katonah Municipal Well is part of the Bedford Water and Storage System. The original Katonah Municipal Well had supplied approximately 6,000 residents with water for domestic use.

Site Responsibility: This site is being addressed through Federal, State and Potentially Responsible Parties (PRP) actions

## Threat and Contaminants

The primary contaminant of concern for the groundwater is the volatile organic compound (VOC) tetrachloroethene. The primary potential human health impact at this site is through the ingestion of contaminated groundwater. This has been mitigated by the installation of an air stripper on the replaced Katonah Municipal Well.

## Cleanup Approach

The Site is addressed in a single long-term remedial phase focusing on cleanup of the entire site.

#### Response Action Status

Entire Site: The following actions were selected by EPA in a September 1987 Record of Decision to address site contamination and have all been accomplished: (1) installation of a new Katonah Municipal Well, as well as filling and sealing of the existing abandoned Katonah Municipal Well; (2) installation and operation of a water treatment facility which includes both an air stripper and disinfection systems; (3) discharging of clean treated water to the Bedford Consolidated Water Distribution System; (4) establishment of a monitoring program to detect the presence of identified contaminants in the treated water; and (5) recommendations to the Town of Bedford to remove trash and debris from the peninsula. The Town of Bedford completed the technical specification for the cleanup in March 1990. Construction of the remedial action was completed in July 1992. The treated water is being discharged to the Bedford Consolidated Water District distribution system for public use. In September 1997, EPA conducted a Five-Year Review to ensure that the remedy remains protective of public health and the environment and is functioning as designed. The Review recommended that the monitoring wells and treatment system continue to be maintained and treatment be operated at the designed specification of 370 gpm.

Site Facts: In June 1988, EPA entered into a Consent Order with the Town of Bedford to implement the technical design for the cleanup remedies. In September 1988, EPA issued a Unilateral Administrative Order to the other four potentially responsible parties. In July 1989, EPA entered into a Consent Decree with the Town of Bedford to clean up the site. The Consent Decree was entered in the U.S. District Court in February 1990.

## **Cleanup Progress**

The new production well and treatment facility treats approximately 370 gpm of contaminated water and is operated 24 hours per day, 7 days per week. By replacing the Katonah Municipal Well and treating the water, residents are no longer exposed to contaminated drinking water. Pumping of the Katonah Municipal Well also prevents contaminated groundwater from the peninsula area from entering the Muscoot Reservoir.

The Site was deemed construction complete on January 3, 2000 and was deleted from the National Priorities List on March 20, 2000.

EPA completed its third five-year review for the Site in September 2007. The groundwater extraction and treatment systems are intact and in good repair and protect the public health by providing a safe drinking water supply. There are no environment exposures of contaminated materials; therefore, the Site is protective of public health and the environment and is expected to remain so. EPA receives yearly Monitoring Reports from the Town of Bedford. The latest groundwater monitoring report showed no significant changes in the raw water sampling data.

## **Site Repositories**

Katonah Village Library, 28 Bedford Road, Katonah, New York 10536