



FACT SHEET

Voluntary Cleanup Program

Receive Site Fact Sheets by **Email**. See “For More Information” to Learn How.

Hudson River Psychiatric Center – Landfill 6
V00657
Town of Poughkeepsie, Dutchess County, NY

October 2011

NYSDEC Certifies Cleanup Requirements Achieved at Voluntary Cleanup Program Site

The New York State Department of Environmental Conservation (NYSDEC) has determined that Hudson Heritage CPR Ventures, LLC (“volunteer”) has achieved cleanup requirements to address contamination related to the Hudson River Psychiatric Center – Landfill Area 6 site (“site”) located at 373 North Road in the Town of Poughkeepsie, Dutchess County, under New York’s Voluntary Cleanup Program. See map for site location.

NYSDEC has issued a Closure Letter to the volunteer regarding the site. The volunteer is now eligible to redevelop the site. A copy of the Closure Letter is available at the locations identified below under “Where to Find Information”.

Completion of Project

Remediation of the site was completed between November 2008 and October 2010. Portions of the selected remedy were implemented over the period from November 2008 to April 2009. The remainder of the remedy was completed between November 2009 and October 2010.

The site contains solid waste and has low levels of contamination as a result of that waste. The remedy required the construction of a cap system to prevent exposure to waste and to limit water infiltration into the waste, thereby reducing the generation of contaminated leachate from the site. The cap included an impervious mat (called a geocomposite clay liner) which prevents direct infiltration of storm water into the landfill. The remedy also included measures to prevent storm water from running onto the site. A lined swale was constructed along the upgradient side of the site to intercept runoff and divert it around the landfill. A small amount of waste was relocated from the southeast corner of the site to the east-central portion of the landfill in order to reduce the footprint of the landfill.

Voluntary Cleanup Program: New York’s Voluntary Cleanup Program (VCP) was developed to encourage private sector volunteers to investigate and clean up contaminated properties and return these sites to productive use. Once cleaned up, the properties may be redeveloped for commercial, industrial, residential or public use.

For more information about the VCP, visit:
www.dec.ny.gov/chemical/8442.html

During the investigation of the site, landfill gas (methane) was found at somewhat elevated levels in a portion of the landfill. Therefore, the landfill cap

system includes a gas collection layer, comprised of sand, which underlies the impervious mat and provides a conduit for landfill gas to flow through. The gas is trapped by the mat and vented to the atmosphere via a gas vent located near the north end of the landfill.

Solid waste and low-levels of contamination remain at the site. Therefore, the remedy required the implementation of institutional and engineering controls, which are described further below.

Institutional Controls/Engineering Controls

Institutional controls and engineering controls generally are designed to reduce or eliminate exposure to contaminants of concern. An *institutional control* is a non-physical restriction on use of the site, such as a deed restriction, when contamination left over after the cleanup action makes the site suitable for some, but not all uses. An *engineering control* is a physical barrier or method to manage contamination such as a cap or vapor barrier.

The following institutional and/or engineering controls have been put in place on the site:

- Engineering Control - Cap system, including a gas collection layer and gas vent.
- Institutional Control - Deed restriction, which limits site use to commercial purposes.
- Institutional Control - Site Management Plan, which includes several provisions to ensure the cap is maintained over the long term and requires periodic certification that the remedy remains in place and effective.

Next Steps

NYSDEC issued the Closure Letter based on review and approval of a Final Engineering Report submitted by the volunteer. The Final Engineering Report includes: 1) a description of the cleanup activities completed; 2) certification that cleanup requirements have been achieved for the site; 3) a description of any institutional/engineering controls to be used; and 4) a certification that a site management plan for any engineering controls used at the site has been approved by NYSDEC.

With its receipt of a Closure Letter, the volunteer is eligible to redevelop the site. In addition, the volunteer has no liability to the State for contamination at or coming from the site, subject to certain conditions.

A Closure Letter may be modified or revoked if, for example, the volunteer does not comply with the terms of its Voluntary Cleanup Agreement with NYSDEC, or if the volunteer commits fraud regarding its application or its certification that it has met cleanup levels.

Background

NYSDEC previously accepted an application from the volunteer to participate in the Voluntary Cleanup Program. The application proposed that the site was to be used for commercial purposes.

The site is approximately 2.5 acres and is located in a suburban area on a portion of the former Hudson River Psychiatric Center. It is bounded to the south by a small stream followed by a commercial property that contains a Home Depot, Staples and several other commercial businesses. Solid waste was disposed of at the site from approximately the mid-1960s to approximately 1978. Wastes disposed of included coal ash, wood, glass and other rubbish. Waste disposal at the site has created low-levels of groundwater contamination.

Investigations of the site were performed in 2000, 2002 and 2004, to determine the size of the landfill, to characterize the type of wastes present, and to assess groundwater and sediment quality at and adjacent to the site. In 2004, the Volunteer entered into a legal agreement with the NYSDEC to conduct the remediation of the site. A work plan for the remediation of the site was then developed by the Volunteer and approved by NYSDEC and NYSDOH. Construction of the remedy was completed between November 2008 and October 2010.

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 Closure Letter.

Adriance Memorial Library
93 Market Street
Poughkeepsie, NY 12601
Contact: Deborah Weltsch
845-485-3445
Monday – Thursday: 9 a.m. – 9 p.m.
Friday – Saturday: 9 a.m. – 5 p.m.
Sunday: 2 p.m. – 5 p.m.

NYSDEC Region 3 Headquarters
21 South Putt Corners Road
New Paltz, NY 12561
Contact: Michael Knipfing
845-256-3154
Monday – Friday: 8:30 am – 4:45 pm
By appointment

Who to Contact

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

Project Related Questions

Joshua Cook
NYSDEC Region 7
615 Erie Blvd West
Syracuse, NY 13204-2400
Phone: 315-426-7411
jpcook@gw.dec.state.ny.us

Site-Related Health Questions

Nathan Walz
New York State Department of Health
Bureau of Environmental Exposure Investigation
547 River Street
Troy, NY 12180
Phone: (518) 402-7880

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.



Receive Site Fact Sheets by Email

Have site information such as this fact sheet sent right to your email inbox. NYSDEC invites you to sign up with one or more contaminated sites county email listservs available at the following web page: www.dec.ny.gov/chemical/61092.html . It's *quick*, it's *free*, and it will help keep you *better informed*.



As a listserv member, you will periodically receive site-related information/announcements for all contaminated sites in the county(ies) you select.

You may continue also to receive paper copies of site information for a time after you sign up with a county listserv, until the transition to electronic distribution is complete.

Note: Please disregard if you already have signed up and received this fact sheet electronically.