



FACT SHEET

State Superfund Program

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

Site Name: Precision Concepts, Inc.
DEC Site #: 152158 Operable Unit 02 *
Address: 26 Natcon Drive
Shirley, NY 11967

Have questions?
See
"Who to Contact"
Below

Investigation to Begin at State Superfund Site

The NYS Department of Environmental Conservation (NYSDEC) will soon begin a detailed environmental study at and in the area surrounding the Precision Concepts, Inc. site ("site") located at 26 Natcon Drive, Shirley, Suffolk County. Please see the map for the site location and the area surrounding. Documents related to the cleanup of this site can be found at the location(s) identified below under "Where to Find Information."

The site is listed as a Class "2" site in the State Registry of Inactive Hazardous Waste Sites (list of State Superfund sites). A Class 2 site represents a significant threat to public health or the environment; action is required.

Investigation Work Plan

The investigation work plan, called a "Remedial Investigation Work Plan / Scope of Work," was developed under New York's State Superfund Program. NYS Department of Environmental Conservation will perform the investigation which will assess conditions off-site.

Highlights of the Site Investigation

The purpose of the investigation is to define the nature and extent of contamination in the groundwater and surface water in the off-site portion. If necessary, soil vapor intrusion investigation may be performed.

As part of the off-site remedial investigation, the State is planning to drill up to 24 temporary wells and 11 permanent wells to track the extent of the groundwater plume. All drilling work will be done in the rights-of-way along the sides of roads. This investigation will be used to determine the type of remedial measures needed, if any, to minimize the impact of the plume.

Field activities are scheduled to be performed from 8 AM to 5 PM between January 13, 2014 and March 14, 2014. Please keep in mind that these dates are tentative, and may change due to unforeseen circumstances encountered during the well drilling operations.

**Operable Unit:* An administrative term used to identify a portion of a site that can be addressed by a distinct investigation and/or cleanup approach. An operable unit can receive specific investigation, and a particular remedy may be proposed.

Next Steps

The information collected during the investigation will be summarized in a report. After the site investigation is complete, NYS Department of Environmental Conservation will conduct a "Feasibility Study". This study uses information developed during the site investigation to develop and evaluate potential ways to clean up contamination related to the site. The information collected during the site investigation may also support the conclusion that no action, or no further action, is needed to address site-related contamination.

NYSDEC will then develop a draft cleanup plan, called a "Proposed Remedial Action Plan". This plan describes the remedy preferred by NYSDEC, or, if warranted, a no action or no further action alternative. The draft cleanup plan explains the decision that led to the preferred remedy by discussing each alternative and the reasons for choosing or rejecting it. The goal of the plan will be to ensure the protection of public health and the environment. NYSDEC will announce the draft cleanup plan in a future fact sheet, and will present it to the public for its review and comment during a 30-day comment period and at a public meeting.

Background

Location: The Precision Concepts site is located in a suburban area at 26 Precision Drive (aka Natcon Drive) in the Hamlet of Shirley, Town of Brookhaven, Suffolk County.

Site Features: The site is approximately six acres in size. The site is situated immediately south of the Long Island Expressway and about 1,000 feet east of William Floyd Parkway.

Current Zoning and Land Use: The site is currently occupied by Luitpold Pharmaceuticals, which is pharmaceutical distributor. Brookhaven National Laboratory, a National Priority List site is located to the north of the site. The site is currently zoned industrial. The surrounding parcels are currently used for a combination of industrial and residential.

Past Use of the Site: Precision Concepts occupied the site from the original construction of the building in 1985 until 1993. Industrial activity at the site included metal stamping, punching, light grinding, and metal cleaning, including the use of organic solvents 1,1,1-trichloroethane (TCA) and 1,1-dichloroethane (DCA). No spills are documented at the site. However, evidence of contamination sources was observed by the Suffolk County Department of Health Services (SCDHS).

Samples taken from industrial and sanitary pools on site showed low concentrations of metals and elevated levels of volatile organic compounds. A May 1988 industrial leaching pool water sample by SCDHS had TCA at 1200 ppb. In 1990, TCA was detected at 9300 ppb in one temporary off-site down-gradient groundwater sampling point.

Two aboveground tanks and a number of drums were removed in January 1991. These consisted of a 6,000-gallon industrial waste tank, a 400-gallon solvent tank and 1,875 gallons drummed waste.

SCDHS sampled the sediment in the on-site septic system in May 1990 and July 1991 and found high concentrations of toluene. Approximately 8,000 gallons of waste was pumped out of the septic system in May 1992. SCDHS also sampled the soil under an interior collection pit in April 1996 and found elevated concentrations of metals. In July 1996, approximately two cubic yards of contaminated soil were removed from the pit, and analysis of the endpoint samples were in compliance with New York State standards.

In the off-site portion, a series of wells were installed and sampled by the Regional Spills program in October 2003 as part of a petroleum spills project. These wells have detected some TCA and DCA, from the east of William Floyd Parkway to Carmans River.

Precision Concepts was listed in the Registry in September 1996 due to the contamination that had been detected in the on-site drainage systems and in down-gradient groundwater.

Operable Units: The site was divided into two operable units. An operable unit represents a portion of a remedial program for a site that for technical or administrative reasons can be addressed separately to investigate, eliminate or mitigate a release, threat of release or exposure pathway resulting from the site contamination.

Operable Unit 1 (OU1) encompasses on-site soil and groundwater within the boundary of the Precision Concepts facility. A Record of Decision was issued for the OU1 portion in March 2002. OU 2 consists of the off-site groundwater contamination.

Site Geology and Hydrogeology: The water table is approximately 40 feet below ground surface. The site geology is mainly sandy soils. A confining layer exists on-site at around 100 feet to 120 feet below ground surface. Some areas off-site have a deeper confining layer at around 200 feet below ground surface. The groundwater flows mainly to the south but takes a south-westerly turn as it passes William Floyd Parkway due to the influence of Carmans River.

Additional site details, including environmental and health assessment summaries, are available on NYSDEC's website at:

<http://www.dec.ny.gov/cfm/external/derexternal/haz/details.cfm?pageid=3&progno=152158>

State Superfund Program: New York's State Superfund Program (SSF) identifies and characterizes suspected inactive hazardous waste disposal sites. Sites that pose a significant threat to public health and/or the environment go through a process of investigation, evaluation, cleanup and monitoring.

NYSDEC attempts to identify parties responsible for site contamination and require cleanup before committing State funds.

For more information about the SSF, visit: <http://www.dec.ny.gov/chemical/8439.html>

FOR MORE INFORMATION

Where to Find Information

Project documents are available at the following location(s) to help the public stay informed.

Mastics-Moriches-Shirley Community Library
407 William Floyd Parkway
Shirley, NY 11967
Phone: (631) 399-1511

Who to Contact

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

Project Related Questions

Chek Beng Ng, P.E.
Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, NY 12233-7015
518-402-9620
cbng@gw.dec.state.ny.us

Site-Related Health Questions

Steve Karpinski
New York State Department of Health
Bureau of Environmental Exposure Investigation
Empire State Plaza, Corning Tower Room 1787
Albany, NY 12237
(518) 402-7860
BEEI@health.state.ny.us

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 list servers available at the following web page: <http://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.

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

Figure 1 Area Map

