

NEW YORK STATE
DEPARTMENT OF



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**Interim Remedial Measure
and Groundwater Investigation
Crown Dykman Site
City of Glen Cove,
Nassau County, New York
Site Number 1-30-054
October 2004
Fact Sheet**

This fact sheet provides an update on plans for an interim remedial measure (IRM) and a groundwater investigation at the Crown Dykman Inactive Hazardous Waste Disposal Site. An IRM is conducted at a site when a source of contamination or exposure pathway can be effectively addressed before completion of the Remedial Investigation/Feasibility Study (RI/FS). An IRM will be implemented at the Crown Dykman Site to remediate contaminated soils beneath the building. The New York State Department of Environmental Conservation (Department) has approved the IRM and groundwater investigation work plan, which is available at the document repositories listed at the end of this fact sheet. The purpose of these IRM activities is to minimize the risk to the environment and public health by beginning remedial measures prior to DEC issuing a Record of Decision (ROD). This fact sheet also provides information regarding planned future citizen participation activities for this site.

Site Description and Background: The Crown Dykman Site (Site) is located at 66 Herhill Road in Glen Cove, Nassau County and occupies approximately one acre. Historically, the area surrounding the site has been highly industrialized. The site is bordered on the south and west by Li Tungsten Site, and to the north and east by Powers Chemco Site. Both Li Tungsten (Site No. 130046) and Powers Chemco (Site No. 130028) Sites are listed on the Department's Registry of Inactive Hazardous Waste Disposal Sites. Enclosed Figure 1 illustrates the location of the site. The site includes a one-story building. From 1932 thru 1975, the site was occupied by Dykman Laundry. From 1975 to 1983 Crown Uniform Service utilized the site to dry clean and service uniforms. Crown originally used petroleum based stoddard solvent, which was later replaced by tetrachloroethylene (also called PCE or "perc.") Later, several businesses including an auto body shop, a laundry and a woodworking company, occupied the site. Currently, the Rusty Repair Shop occupies the front of the building and BNC Laundry occupies the rear of the building. In 1990/1991, four underground solvent tanks and one gasoline tank, as well as a drum labeled "perc" were removed from the site. The site was placed on the NYSDEC Registry as an inactive hazardous waste disposal site due to presence of contaminants in the subsurface environment.

On April 16, 1990, Herhill Associates entered into a Consent Order with the NYSDEC in which Herhill Associates agreed to conduct a Remedial Investigation/Feasibility Study (RI/FS) and an IRM.

Remedial Investigation (RI): The purpose of conducting the RI was to define the nature and extent of soil and groundwater contamination related to the site (both on and off the facility property). As part of the RI, potential source areas of previously identified groundwater and soil contamination were further investigated. Soil and groundwater samples across the site were collected and analyzed. The primary contaminants in the subsurface soil and groundwater are volatile organic compounds (VOCs) such as tetrachloroethylene and related breakdown products including trichloroethene, cis 1,2-dichloroethene, and vinyl chloride. Based on the results of RI, VOCs were present above applicable standards, criteria, and guidance values (SCGs) in the soils and groundwater beneath the building. Data for the Li Tungsten site shows that the Crown Dykman site may also have contributed to the groundwater contamination at the Li Tungsten site. For further information on the site contamination, the public is encourage to read various documents in the public document repositories listed below.

To characterize the nature and extent of off-site groundwater contamination downgradient of the site (at the Li Tungsten site), an off-site RI will begin soon and is expected to be completed within four months.

Supplemental Soils Investigation: A supplemental soil investigation (SSI) was conducted between December 2002 and April 2003 to identify data gaps in the on-site RI and to confirm the extent of the on-site contamination. The work included the collection of additional soil samples, the physical review of a concrete wastewater trench system, and installation of one groundwater monitoring well.

The results of the SSI and subsequent sampling indicates the following:

- ▶ Soil sampling data indicates that soil contamination has occurred in the area surrounding the two floor drains, extending to trench section C in the auto shop.
- ▶ Soil beneath the building slab in the vicinity of the location of the former dry cleaning machine has VOC concentrations above SCGs.
- ▶ Soil borings beneath the floor slab delineated an area of contaminated soil of approximately 1,300 square feet surrounding the two floor drains and extending to trench section C.
- ▶ The water table at the site varies from 3 to 6 feet below grade. Groundwater flow in the shallow Upper Glacial aquifer in the vicinity of the site is generally to the south.
- ▶ There are no direct exposures to the soil or groundwater contamination at the site. However, indoor air samples collected by the Nassau County and New York State Departments of Health suggest that soil vapor intrusion may be occurring (that is, that VOC contamination beneath the building has affected indoor air quality within the building).

Interim Remedial Measure for Soils: The upcoming IRM consists of removing soil contaminated with volatile organic chemicals (VOCs) above SCGs and installing a system to mitigate potential soil vapor intrusion into the building. The IRM will involve the following actions:

1) **Work Area Isolation and Saw Cutting:** The area proposed for excavation will be completely isolated from operational business area in both the laundry and the auto shop prior to excavation. Prior to the removal of the contaminated soil, the building floor slab will be saw cut, and the concrete subject to removal will then be broken up and removed.

2) **Soil Excavation, Closure Sampling and Disposal:** The "hot-spots" and their adjacent areas, to the limits delineated in the IRM work plan, will be excavated to five feet below grade. Other areas within delineated area will be excavated to a depth of 3.5 feet below grade. The proposed excavation area is approximately 1,300 square feet and the approximate volume of removed soil will be 137 cubic yards. The area under excavation will be kept under negative pressure in relation to the operational business area to prevent potential vapor intrusion.

Once the soil excavation is complete, post- excavation closure soil samples will be collected from the walls and bottom of the excavation for laboratory analysis. After the closure sampling shows satisfactory results, an active sub slab depressurization system will be installed in the excavation to mitigate potential vapor intrusion in the building. All excavated soils will be disposed of at an approved off-site disposal facility.

3) Indoor air sampling and community air monitoring: Air quality will be monitored in accordance with the Community Air Monitoring Plan (CAMP) during the IRM. The CAMP included in the IRM work plan describes contingencies that may be implemented in response to the effects of excavation on air quality.

4) Backfill and Building Restoration: The excavation area will be backfilled with clean sand, and the concrete surface in the excavation area will be restored.

Groundwater Investigation: A groundwater investigation work plan will be implemented to evaluate the off-site groundwater impacts. Currently, there are seven on-site groundwater monitoring wells and three existing off-site monitoring wells on a portion of the Li Tungsten site. After installation of four new groundwater monitoring wells on the portion of the Li Tungsten site located down gradient of the site, all 14 on-site and off-site monitoring wells will be sampled during a single groundwater sampling event.

Project Schedule: The groundwater investigation and IRM activities will begin in accordance with the schedules contained in the approved work plan. The construction activities for the soil IRM will begin between October 28 and November 4, 2004. The IRM and RI reports should be completed within one month following field activities.

Formal RI/FS Process to Continue: As the soil IRM and the groundwater investigation move forward, work will also continue on the FS report. Upon completion of the FS report, the Department will develop a Proposed Remedial Action Plan (PRAP) and will prepare and send a fact sheet to the site contact list. The Department will hold a public meeting during the public comment period to describe the proposed remedy and gather public comments. Following the public comment period, the Department will issue a Record of Decision (ROD) describing the final remedy selected for the site.

Citizen Participation: A citizen participation program is being carried out to ensure the public is informed about remediation activities at the Crown Dykman site. Information repositories were established where reports and pertinent documents on this project are kept for public access. The site contact list was established.

Document Repository: The public is encouraged to review the soil IRM and groundwater investigation work plan and other site related documents. These documents are available at the following locations:

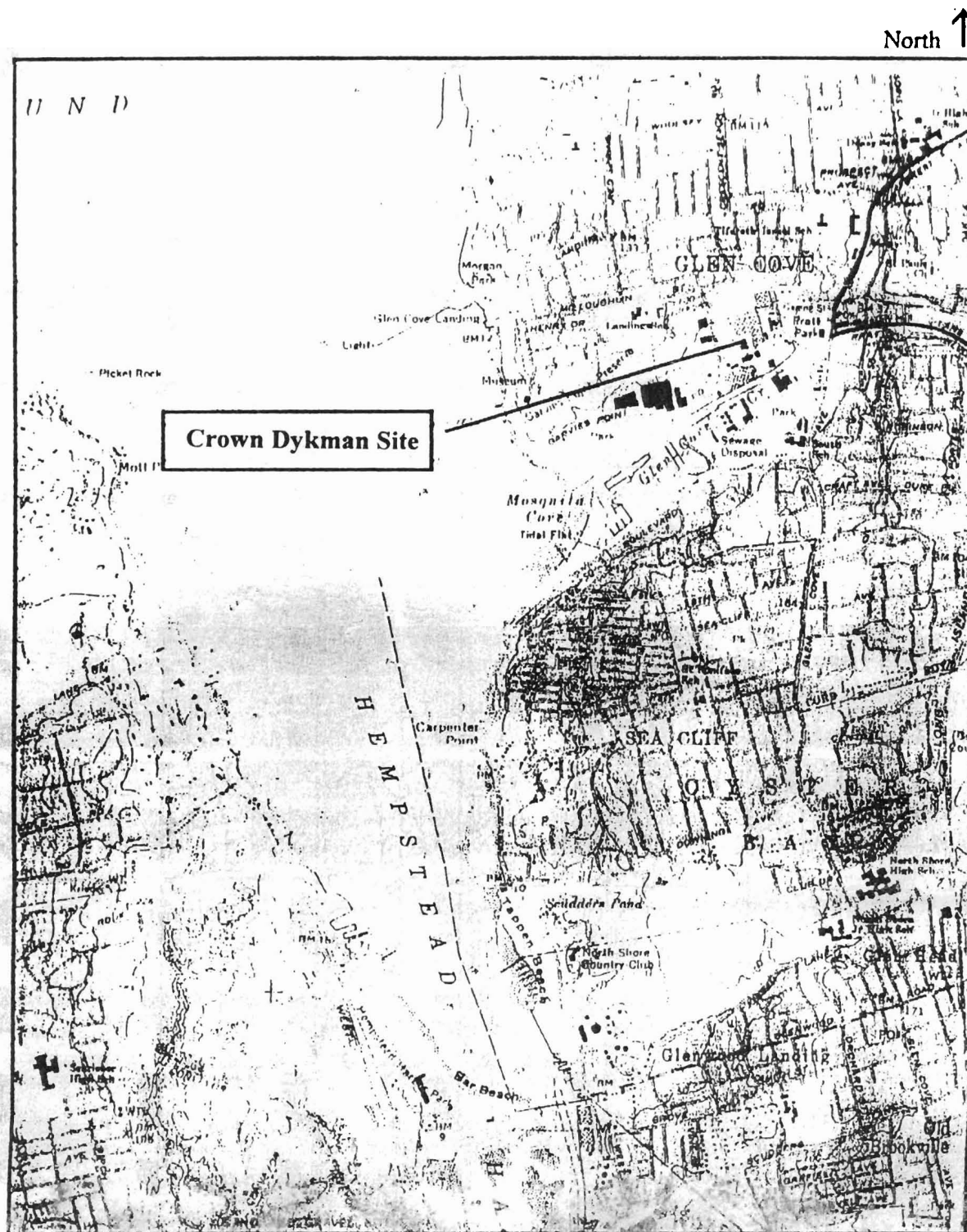
NYSDEC Region 1 Headquarters
Division of Environmental Remediation
SUNY Building 40
Stony Brook, New York 11790
(631) 444-0240
Mon - Fri 8:30 am – 4:45 pm

Glen Cove Public Library
4 Glen Cove Avenue
Glen Cove, New York 11542
(516) 676-2130
Monday - Thursday, 9am - 9pm
Friday - Saturday, 9am - 5pm
Summer Saturdays, 9am - 1pm
Sundays, 1pm - 5pm (October - May)

CROWN DYKMAN SITE

66 Herb Hill Road, Glen Cove, New York

SITE LOCATION MAP



USGS SEA CLIFF, NY QUADS

1"=2000'