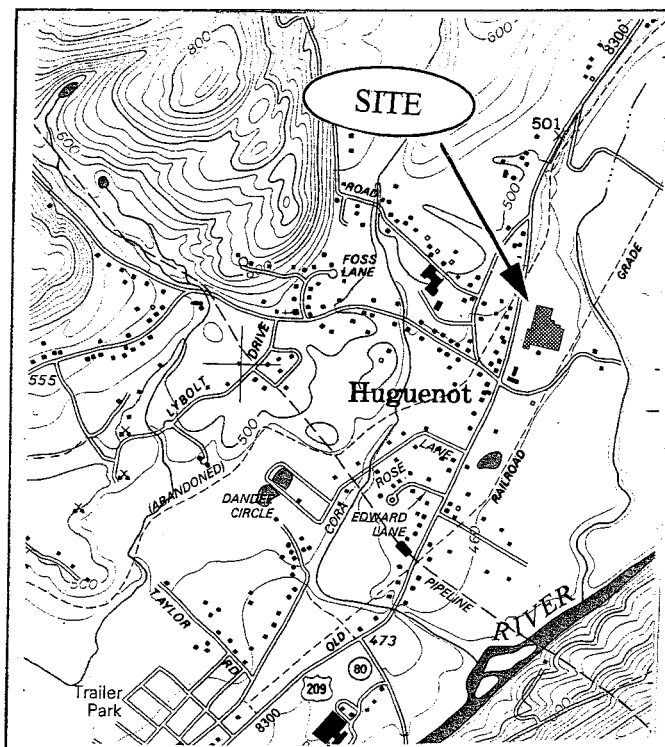


C&D Power Systems (C&D Batteries) Site
Current Operator: C&D Technologies, Inc.
Route 209, Huguenot, Orange County, NY
NYSDEC Site No. 336001
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Fact Sheet No. 2 October 2001

This is the second fact sheet in a series of fact sheets prepared to describe the status of the environmental investigation being conducted at the C&D Power Systems (C&D Batteries) Site located at C&D Technologies, Inc., Route 209, Huguenot, Orange County, New York. This site is listed in the New York State Registry of Inactive Hazardous Waste Disposal Sites as Site No. 336001. This fact sheet describes the results of the Remedial Investigation (RI) for Operable Unit 1 that was recently completed. This fact sheet was prepared in cooperation with the New York State Departments of Health (NYSDOH) and Environmental Conservation (NYSDEC).



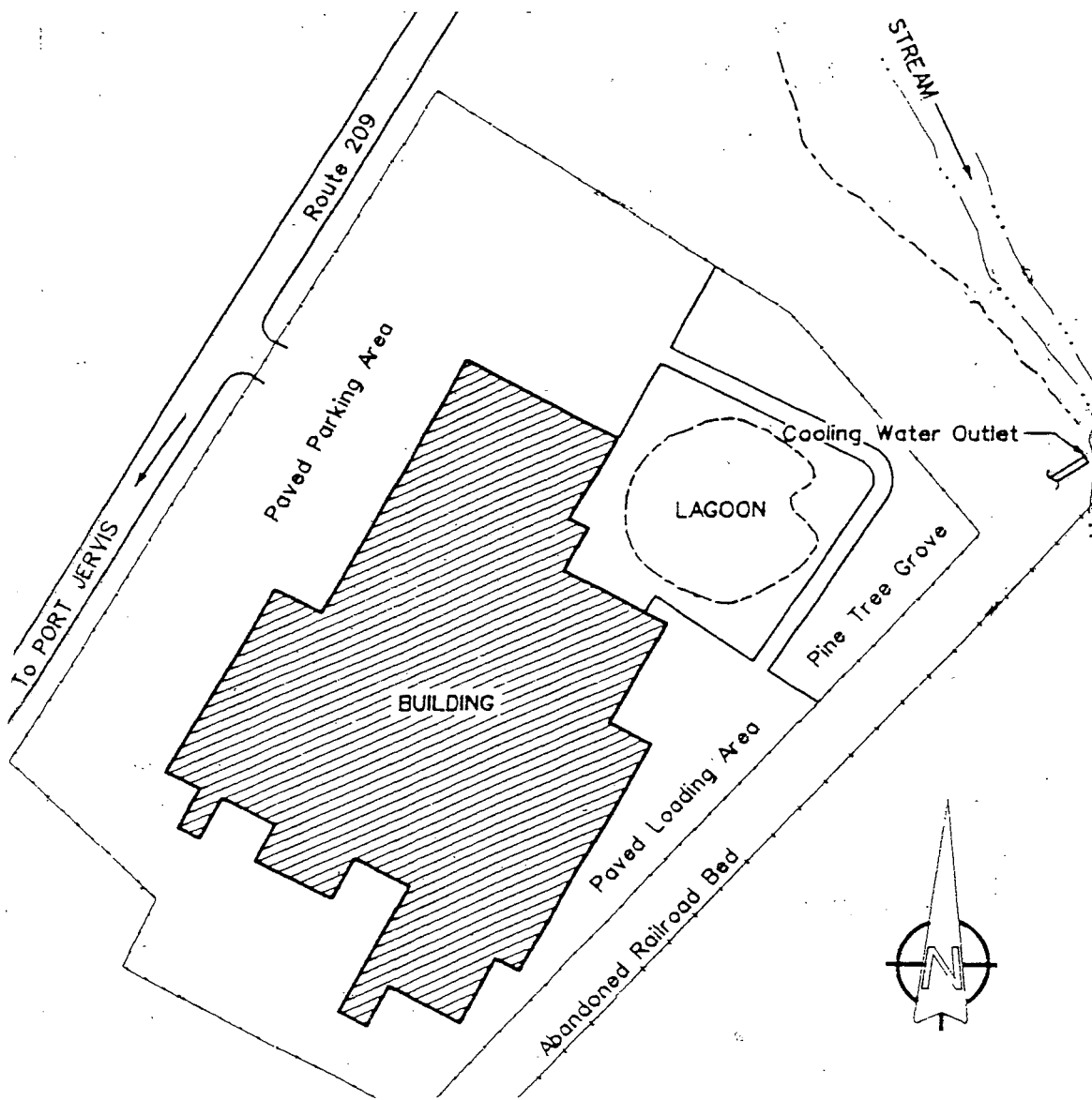
SITE LOCATION

Background

From 1959 until at least 1968, the site was used by Empire Tube Corporation for the manufacture of black and white television picture tubes. In the manufacturing process, hydrofluoric acid was used to clean the picture tubes. Wastewater containing hydrofluoric acid was disposed of by Empire Tube Corporation in an on-site lagoon having a diameter of approximately 150 feet. In 1966, the NYSDOH filed a complaint against Empire Tube Corporation for the disposal of untreated sewage, industrial wastes and other wastes into the water of New York State. Violations of these standards were reported to occur until 1968.

Between 1982 and 1992 several investigations of the former Empire Tube Corporation site were completed. Fluoride was detected in groundwater. In 1988 and 1989, Gibbs & Hill,

Inc. performed a comprehensive investigation of the site for NYSDEC designed to identify any contamination of concern at the site other than fluoride. Gibbs & Hill concluded "there is no evidence of contamination or migration of contaminants from the site. Hence the site does not have an adverse impact on the environment." However, in May, 1990 NYSDEC conducted additional sampling which revealed the presence of fluorides in groundwater at levels exceeding the groundwater standard. On the basis of the detected fluorides, NYSDEC determined that the site presented a "significant threat to the environment" and classified the site as a Class 2 Inactive Hazardous Waste site. In 1992 NYSDOH performed testing of adjacent residential wells. No organic and no elevated inorganic contaminants were detected. C&D Technologies, Inc., the current operator of the Site, has entered into an Order on Consent with NYSDEC to conduct a Remedial Investigation (RI)/Feasibility Study (FS) at the site.



Purpose of the RI

The purpose of the RI was to define the nature and extent of any contamination resulting from previous activities at the site. Based on the results of the RI, the Site was divided into two operable units. An operable unit (OU) represents a portion of the site remedy which for technical or administrative reasons can be addressed separately to eliminate or mitigate a release, threat of release, or exposure pathway resulting from the site contamination. This fact sheet details the results of the RI for Operable Unit 1 (OU-1). A separate fact sheet will document the RI results for Operable Unit 2 (OU-2). OU-1 consists of on-site soil contamination in the former lagoon, and water quality from the private potable well on Swartwout Road. OU-2 will address potential off-site contamination, including surface water and sediments of the adjacent unnamed tributary to the Neversink River, surface soils at the former outfall from the lagoon and groundwater both on-site and off-site.

Operable Unit 1 RI Results

Many soil, groundwater and sediment samples were collected at the site to characterize the nature and extent of the contamination. To determine which media (soil, groundwater, etc.) are contaminated at levels of concern, the RI analytical data was compared to the NYSDEC's Standards, Criteria, and Guidance values (SCGs). The main categories of contaminants which exceed SCGs are inorganics (metals) and polychlorinated biphenols (PCBs). The inorganic contaminants of concern are barium, cadmium, fluoride, and lead; and the organic contaminants, PCBs as Aroclor 1254. A report entitled Remedial Investigation Report of May 2001 for C&D Technologies, Inc. by Delaware Engineering has been prepared which describes the field activities and findings of the RI in detail. This report is available for public review at one of the local repositories listed on page 6. Results for lagoon soils, on-site groundwater, the off-site residential potable well and off-site stream sediments are further discussed in the following text.

Lagoon Soil Data

During the RI, soil samples collected from the former lagoon were taken at the surface and at various depths down to the groundwater table, which is approximately 15 feet below the lagoon surface. Lagoon soils were found to be mainly contaminated with barium, cadmium, fluoride, lead and Aroclor 1254.

Cadmium, fluoride, and PCBs were concentrated in the lagoon surface soils. Although the highest levels of cadmium were detected at the surface, cadmium concentrations were still detected significantly above the SCGs at the groundwater table. Fluoride levels were comparatively much lower, and decreased considerably with depth. PCB concentrations were the highest at the surface and significantly elevated to a depth of 4 ft.

In the lagoon subsurface soils, barium and lead were consistently detected above their respective SCGs. Barium concentrations did not substantially decrease with depth but exhibited the highest concentration at the 4 ft depth. Lead concentrations increased with depth in some areas of the lagoon while other areas exhibited the most elevated levels at the surface. However, the highest concentration of lead detected was at a depth of 6 ft.

Groundwater Data

During the RI, groundwater samples were taken and analyzed from on-site monitoring wells. The monitoring well data results indicate that fluoride is the only contaminant consistently detected above the SCGs.

Fluoride was detected in four of the five downgradient monitoring wells at concentrations significantly above the respective SCGs and above the NYSDOH drinking water standard. For PCBs, only one of five downgradient monitoring wells exhibited a PCB concentration above the NYSDEC SCGs but this contaminant did not exceed the NYSDOH drinking water standard. Lead was detected slightly above the SCGs in an unfiltered sample from one downgradient monitoring well. However, the filtered sample did not detect lead at all. Cadmium was detected in the monitoring wells, at concentrations that did not exceed the NYSDEC SCGs but were above background concentrations. With the exception of fluoride, the lagoon soils have not had a significant impact on groundwater quality. On-site and off-site groundwater will be further investigated and addressed under OU-2.

Off-Site Residential Potable Well Data

A nearby off-site residential potable well located approximately 500 feet downgradient from the former lagoon was sampled during the RI. The potable well results indicate that with the exception of fluoride, contaminants associated with the former lagoon have not impacted the water quality. Fluoride was detected in this potable well above the New York State Department of Health drinking water standard. Subsequent sampling found no fluoride above the detection limit and this well will be continued to be monitored. This residential well contamination will be addressed further in the Feasibility Study for OU-1. All other potential off-site groundwater contamination will be addressed further under OU-2.

Sediment Data

During the RI, sediment samples were collected and analyzed from the adjacent unnamed tributary to the Neversink River. Results indicate that there may be possible contamination. Therefore, the sediment will be further investigated and addressed under OU-2.

Future Work

Future work includes completion of the Feasibility Study (FS) for OU-1 and the separate RI/FS for OU-2. The FS evaluates possible ways to remediate the site and uses the RI information to evaluate the impacts and develop alternative remedial actions, if necessary, to address any threat to public health or the environment posed by the site.

Based on the results of the OU-1 RI, the RI for OU-2 will consist of the following tasks:

- Installation of an additional on-site ground water monitoring well near the lagoon.
- Monitoring well development and hydraulic conductivity testing.
- Collection and analysis of additional ground water samples from all on-site monitoring wells and the off-site residential potable well.
- Collection and analysis of surface water and additional sediment samples from the stream adjacent to the site.
- Collection and analysis of a soil sample from the former lagoon outfall, which is near the unnamed tributary.

Following the completion and review of the FS for OU-1 and the RI/FS for OU-2, NYSDEC will propose its preferred remedial alternatives by issuing for public review a document called the Proposed Remedial Action Plan (PRAP). Separate PRAPs will be issued for OU-1 and OU-2. Following public review and input, the PRAP may be modified. NYSDEC will then select the cleanup alternatives by issuing a separate Record of Decision (ROD) for each operable unit. A ROD documents NYSDEC's decision-making process. When the ROD is finalized, design and construction of any necessary remediation can begin.

Document Repositories

The following locations are accessible to the public and maintain reports related to the site. The Order on Consent, the RI/FS Work Plan and the OU-1 RI are presently available for review. Other reports and documents mentioned in this Fact Sheet will be placed in these repositories as they become available.

Port Jervis Library
138 Pike Street
Port Jervis, NY 12771
(845) 856-7313
Mon. and Thurs., 10 a.m. - 9 p.m.
Tues., Wed. and Fri., 10 a.m. - 6 p.m.

Town Clerk
Deerpark Town Hall
Drawer A
420 Rt. 209
Huguenot, NY 12746
(845) 856-5705

Sat. 9 a.m. - 5 p.m.

Mon. - Fri., 8 a.m. - 4 p.m.

NYSDEC, Region 3
21 South Putt Corner Road
New Paltz, NY 12561
(845) 256-3154
Mon. - Fri., 8:45 a.m. - 4:45 p.m.

Public Participation

In addition to this Fact Sheet, NYSDEC, NYSDOH and C&D Technologies, Inc. are committed to keeping you informed and involved throughout the process of investigating this site. At a minimum, the Citizen Participation activities for this site have and will include:

Activity for OU-1	Time
Set up Document Repositories	Start of RI
RI Fact Sheet	During RI
Fact Sheet for OU-1 RI Results	End of OU-1 RI Fieldwork
Mailing Describing Proposed Remedial Action Plan (PRAP) and Public Comment Period	During PRAP Stage
30-Day Public Comment Period for PRAP	During PRAP Stage
Public Meeting to Discuss PRAP	Within 30-Day PRAP Comment Period
Mailing Describing Selected Site Remedy and Response to Comments	After Remedy is Selected/Finalized

Activity for OU-2	Time
Update Document Repositories	Start of OU-2 RI
Fact Sheet for OU-2 RI Results	End of OU-2 RI Fieldwork
Mailing Describing Proposed Remedial Action Plan (PRAP) and Public Comment Period	During PRAP Stage
30-Day Public Comment Period for PRAP	During PRAP Stage
Public Meeting to Discuss PRAP	Within 30-Day PRAP Comment Period
Mailing Describing Selected Remedy for OU-2 and Response to Comments	After Remedy for OU-2 is Selected/Finalized

To help keep you informed about activities at the site throughout the process, you are encouraged to take advantage of the site's document repositories and staff contacts listed on the next page.

For information about:

Environmental Concerns

Alicia Thorne
Project Manager
NYSDEC Central Office
625 Broadway, 11th Floor
Albany, NY 12233-7015
(518) 402-9623, 1(800) 342-9296

Health-related concerns:

Geoff Laccetti
Public Health Specialist
NYSDOH
Flanagan Square
547 River Street
Troy, NY 12180
1(800) 458-1158 X27880

Citizen Participation

Michael J. Knipfing
Citizen Participation Specialist
NYSDEC Region 3 Office
21 South Putt Corners Road
New Paltz, NY 12561
(845) 256-3154

Public Outreach

Mark Van Deusen
Public Health Liaison
NYSDOH
Flanagan Square
547 River Street
Troy, NY 12180
1(800) 458-1158 X27530