NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
Inactive Hazardous Waste Disposal Report

Site Code	932047				
Site Name	Necco Park	**Address**	5600B Niagara Falls Boulevard		
Classification	04	**City**	Niagara Falls	**Zip**	14302
Region	9	**County**	Niagara	**Town**	Niagara
Latitude	43 degrees, 5 minutes, 42.55 seconds			**Estimated Size**	25.0000
Longitude	-78 degrees, 59 minutes, 53.73 seconds				
Site Type	EPA Landfill				

Site Description

The 25-acre Necco Park landfill is an inactive hazardous and industrial waste landfill located approximately 1.5 miles north of the Niagara River along the City of Niagara Falls and the Town of Niagara line. The landfill, located off of Niagara Falls Blvd near 56th Street, was originally used as a recreational park by the Niagara Electrochemical Company, from which 'Necco' is derived. The property was sold to DuPont in 1930. Necco Park is located in a heavily industrialized section of Niagara Falls and is bounded on three sides by commercial waste disposal facilities. Immediately adjacent to the north and east lies the Allied Waste Niagara Falls landfill. Immediately adjacent to the south are three inactive secure hazardous waste landfill cells and a wastewater treatment facility owned by CECOS International, Inc. An access road and a Conrail (Niagara Junction Railway Company) right-of-way bound the landfill to the west. The nearest residential neighborhoods are located approximately 2,000 feet to the south and 2,500 feet to the west, respectively. Wastes from the Necco Park landfill have migrated in the overburden and bedrock underneath the landfill and now extend underneath the CECOS facility and a portion of the BFI facility.

The site was closed in 1977, and a clay cap was installed. Hydrogeological investigations conducted by DuPont have revealed significant contamination of the groundwater adjacent to the site with volatile chlorinated organics as well as inorganics. Following a trial pump test in early 1982, DuPont commenced a continuous program of pumping groundwater from 2 wells adjacent to the disposal site to establish a hydraulic barrier to contaminant migration. The pumped groundwater was treated at CECOS International.

EPA issued an administrative order to DuPont in May of 1985 for further off-site investigation of the site. A second administrative order was issued in 1989 for further RI/FS work.

As a source control measure, DuPont installed a grout curtain along the north side and portions of the east and west sides of the site. A third groundwater recovery well became operational in 1992 and contributed to increasing the hydraulic control over the site.

The USEPA issued a Record of Decision (ROD) and a Unilateral Administrative Order (UAO) in September 1998 calling for an enhanced landfill cap and hydraulic containment. The design of a landfill cap modification and hydraulic containment system was completed in 2004. Construction of the hydraulic containment system along with an interim groundwater treatment system began in August 2004 and were completed in April 2005. Treated groundwater is discharged under permit to the City of Niagara Falls Waste Water Treatment Plant. Construction of the landfill cap enhancement was completed in November 2005. A Remedial Action report was approved in September 2007 including the Operation, Maintenance and Monitoring plan. In 2008 in response to groundwater monitoring data, a Blast Fractured Bedrock trench was installed along a portion of the south property line at RW-11 to enhance the hydraulic control of the upper B Zone and overburden A zone groundwater. Continous pumping of RW-11 began on November 12, 2008. Remedial activity is complete, continued Operation, Maintenqnce and Monitoring is underway. Periodic reports demonstrating the effectiveness of the remedy are submitted. Last annual report was submitted on June 22, 2009.

Contaminants of Concern (Including Materials Disposed) Quantity

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BARIUM	0.00	lb
CALCIUM	0.00	lb
CARBON TETRACHLORIDE	0.00	lb
CHLOROFORM	0.00	
HEXACHLOROBENZENE	0.00	lb
HEXACHLOROBUTADIENE	0.00	lb
HEXACHLOROETHANE	0.00	lb

METHYLENE CHLORIDE	0.00	lb
PERCHLOROETHANE	0.00	lb
TRICHLOROETHENE (TCE)	0.00	lb
VINYL CHLORIDE	0.00	lb
1,1-DICHLOROETHANE	0.00	lb
1,2-DICHLOROETHANE	0.00	lb
1,1,2 TCA	0.00	lb
1,1,2,2-TETRACHLOROETHANE	0.00	lb
PHENOL	0.00	lb
2,4,6-TRICHLOROPHENOL	0.00	lb
2,4,5-TRICHLOROPHENOL	0.00	lb

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BRINE SLUDGE, BARIUM SALTS	0.00
CHLORINATED COMPOUNDS (CHLOROBUTANES,	0.00
CHLOROETHYLENES), METHANOL, TOLUENE, ACETATES,	0.00
RUBBLE, OTHER CHEMICALS	0.00
CHLOROETHANES	0.00

Analytical Data Available for : Groundwater, Soil

Applicable Standards Exceeded for: Groundwater

Site Environmental Assessment

Available data indicates that during the operational history of the site approximately 186 million pounds or about 93,000 tons of liquid and solid industrial waste were disposed at the site. These wastes contained inorganic constituents (barium, calcium and sodium chloride) and organic compounds such as carbon tetrachloride, chloroform, hexachlorobenzene, hexachlorobutadiene, hexachloroethane,, methylene chloride, PCE and TCE. These waste were disposed of and are present in the overburden and groundwater at the site. Most groundwater contamination at the site is the result of dissolution of disposed chlorinated organic liquids. DNAPL has been observed and recovered from wells in and near the site.

The design of a landfill cap modification and hydraulic containment system based on the 1998 ROD was completed in 2004. Construction of the hydraulic containment system along with an interim groundwater treatment system began in August 2004 and were completed in April 2005. Treated groundwater is discharged under permit to the City of Niagara Falls Waste Water Treatment Plant. Construction of the landfill cap enhancement was completed in November 2005. A Remedial Action report was approved in September 2007 and the Operation Maintenance and Monitoring plan is in effect.

Periodic reports demonstrating the effectiveness of the remedy are submitted. The last annual report was submitted on June 22, 2009. Thru the 2008 Annual report approximately 8,335 gallons of DNAPL has been removed since 1989. No estimate is available for contaminant removal through the groundwater

Site Health Assessment

No one is expected to come in contact with contamination from the site because the site is capped and fenced and public water serves the area.

Owners

Current Owner(s)

Paul Mazierski

E.I. DuPont de Nemours & Company

Buffalo Ave @ 26th Street

Niagara Falls NY 14302

Previous Owner(s)

Niagara Electro Chemical Co.

Buffalo Ave

Niagara Falls NY 14302

Disposal Owner(s)

Paul F. Mazierski

E.I. DuPont de Nemours & Company

Buffalo Ave at 26th Street

Niagara Falls NY 14302

Operators

Current Operator(s)

Paul F. Mazierski

DuPont Corporate Remediatiopn Group

5600B Niagara Falls Blvd

Niagara Falls NY 14304-1532