



Department of  
Environmental  
Conservation

**PALL CORPORATION – OU-01 & OU-02  
PHOTOCIRCUITS – OU-02  
Ground Water Remediation  
Glen Cove, Nassau County**

**Site No. 130053B & 130009**

May 2019

# PALL CORPORATION & PHOTOCIRCUITS



# Pall Corporation Site History

- Pall Corporation was founded in 1946 and manufactured filtration products at the site.
- The building at 30 Sea Cliff Avenue was constructed in 1918 as an ice house. In 1953, Pall Corporation purchased and occupied that building until 1999. The building was demolished in 2013.
- In 1958 Pall Corporation constructed the building at 36 Sea Cliff Avenue and occupied it until 1971 when the building was sold to August Thomsen.
- Pall Corporation used both industrial buildings to manufacture filtration products. Chlorinated solvents were used at these properties.



# Pall Corporation Site History

- Remedial Investigation Report issued September 1998
- Feasibility Study Final Report for OU-02 issued December 2011.
- Record of Decision for Pall Corporation OU-01 was issued by NYSDEC in March 2004
- Record of Decision for Pall Corporation OU-02 was issued by NYSDEC in March 2013
- Remedial Design approved December 2018



# Pall Corp Operable Units

The Pall Corp. Site is 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) addresses both on-site soils, and on-site and off-site groundwater, to a depth of 60 ft below ground surface (bgs).

Operable Unit 2 (OU2) addresses on- and off-site groundwater at depths of greater than 60 ft bgs.



# Pall Corporation Contamination

- The primary contaminants of concern are chlorinated volatile organic compounds (CVOCs) including:
  - tetrachloroethene (PCE)
  - trichloroethene (TCE),
  - 1,1,1-Trichloroethane (TCA),
  - 1,1-Dichloroethane (DCA),
  - 1,2-Dichloroethylene (DCE) and
  - Vinyl Chloride (VC).

TCE, DCE and VC are breakdown products of PCE.

DCA is a breakdown product of TCA.



# Pall Corporation Remediation

- In Situ Chemical oxidation (ISCO) using base activated sodium persulfate.
- Persulfate solution injected into the shallow and deep groundwater through a series of injection wells.
- Groundwater downgradient of the Pall Corporation site will be recirculated and reinjected to the groundwater onsite.



# State Superfund Construction Contract D011353

- EnviroTrac Ltd submitted Low Bid on January 31, 2019
- Contract on Routing for Approval
- Anticipated Notice to Proceed (NTP): May 2019
- May to June 2019: Mobilization activities including utility procurement, tree clearing, set up road, erosion and engineering controls
- Substantial Completion 434 Days from NTP
- Anticipated substantial completion: August 2020





# State Superfund Construction Contract D011353

- Site Preparation
- Construction Water Management & Dewatering
- Pall Property Hydraulic Control System Installation
- Day Care Property Hydraulic Control System Installation
- Groundwater Collection Trench Installation
- Chemical Injection System Installation
- Recirculation System Startup
- Site Restoration



# State Superfund Construction Contract D011353

- Health and Safety
- Site Services
- Day Care Property Site Security
- Pall Property Well Installation
- Day Care Property Well Installation
- Injection Well Installation
- Groundwater Monitoring Well Installation
- Bulk Waste Disposal



# Engineering Controls

- Air monitoring, a no visual dust requirement and wetting down dry materials as necessary will control fugitive dust emissions
- Fencing to prevent public access to work zones
- Full time oversight of the contractor's operations by DEC, which may include ordering work stoppages for any nuisance condition



# Dust Monitoring and Controls

## Community Air Monitoring Plan (CAMP)

- Continuous monitoring will be conducted in each area of contaminated material handling
- Air monitoring action levels are conservative and include a requirement for no visible dust
- Provisions for work shut down and implementing corrective measures, if needed



## Controls to Prevent Migration of Dust

- Wetting the areas
- Covering loads with tarps

# Health and Safety Controls

- Work areas will be clearly delineated with fencing, cones, orange barrels and signage to separate students from the work
- Temporary security fencing will be installed at each work area and include signage indicating the work area is a construction zone
- Identified truck routes and timing coordinated with daycare and local traffic needs
- Flag persons will be available for any construction on City of Glen Gove property during daycare operation hours (6:30am to 6:30pm)



# Public Outreach – Pre and During Construction

## During Construction

- DEC website: <https://www.dec.ny.gov/chemical/114559.html>
- DEC Community Liaison Plan



# Thank You

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