



Community Involvement Plan

Pall Corporation Site

Glen Cove, New York

Prepared for

New York State Department of Environmental
Conservation

Division of Environmental Remediation

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Community Background

1 Introduction

1.1 Purpose of the Pall Corporation Site Community Liaison Plan

This Community Involvement Plan serves to identify the project, project team members, community, and stakeholders. It functions as a guide to project personnel and the community on the best ways to communicate project information, answer questions, and raise issues and concerns voiced by the public to the proper sources for resolution. In short, it is a roadmap to the sources for information regarding the Pall Corporation Site itself, as well as those project activities that may engender public interest and inquiries.

1.2 Brief Project Overview

The Cleanup Action will address groundwater contamination related to the Pall Corporation site (Pall site), located at 30-36 Sea Cliff Avenue, and deep groundwater contamination related to the Photocircuits site located at 31 Seal Cliff Avenue in Glen Cove, New York. PCE, TCA, and several breakdown products exceed groundwater standards on-site. The contamination lies beneath both the Pall site and the neighboring Photocircuits Corporation site (Photocircuits site). The selected remedy to address this contamination consists of in-situ chemical oxidation (ISCO) with downgradient groundwater extraction and upgradient re-injection. Engineering controls and best management practices will be used to ensure that the public does not come into contact with any contamination from the site.

1.3 Site Location and Description

The Pall site is situated on the north side of Sea Cliff Avenue in the Sea Cliff Industrial Area in Glen Cove, New York and is approximately 4.6 acres in size.

Glen Cove Creek forms the western property border.

The Pall site contains two industrial buildings. The 30 Sea Cliff Avenue building is currently unoccupied. August Thomsen, a pastry bag manufacturer, occupies the building at 36 Sea Cliff Avenue. The rest of the site is almost entirely paved with asphalt.

Residential, commercial, and industrial properties are located in the vicinity of the Pall site. A day care center (Glen Cove Child Day Care Center, Inc.) borders the Pall site on the north. Adjacent to the day care center is the inactive Carney Street public water supply well field.

Two other inactive hazardous waste disposal sites are across Sea Cliff Avenue from the Pall site: the Photocircuits site (site no. 1-30-009) to the southeast and the Pass and Seymour site (site no. 1-30-053A) to the southwest. Groundwater flows downgradient from the Photocircuits site in the direction of the Pall site.

The Pall site contamination has been categorized into two separate “Operable Units” (OUs):

- OU1 consists of on-site soils and on- and off-site shallow groundwater (groundwater to a depth of 60 feet below the ground surface).
- OU2, which is the subject of this plan, consists of on- and off-site deep groundwater contamination (groundwater deeper than 60 feet below the ground surface). The Pall site OU2 contamination originates at the Photocircuits site.

1.4 Site History

Operational/Disposal History

- In 1918, the building at 30 Sea Cliff Avenue was constructed for use as an ice house.
- In 1953, Pall Corporation purchased and manufactured filtration products in the building until 1999.

- In 1958, Pall Corporation constructed the building at 36 Sea Cliff Avenue and expanded its manufacturing to the building until 1971, when Pall Corporation sold the building to August Thomsen.
- Nassau County industrial chemical profiles indicate that Pall Corporation used tetrachloroethylene (PCE), trichloroethylene (TCE), and Freon at the site.

Remedial History

- In the late 1970s, VOCs were discovered in the water pumped from three Carney Street public water supply wells downgradient of the Pall and Photocircuits sites.
- In 1990, Nassau County published the "Investigation of Contaminated Aquifer Segment, City of Glen Cove, Nassau County," which concluded that PCE, TCE, and 1,2-dichloroethylene (1,2-DCE) concentrations in groundwater at the Carney Street well field exceeded the New York State groundwater standards.
- In 1994, the Nassau County Department of Public Works submitted a Preliminary Site Assessment (PSA) to the NYSDEC for the Sea Cliff Industrial Area. The major conclusions included the following:
 - The maximum total xylenes concentration in on-site soils exceeded the NYSDEC guidance value.
 - Maximum PCE and TCE levels in on-site soils were below NYSDEC guidance values, but their presence is evidence of past disposal.
 - Maximum PCE, TCE, and 1,2-DCE concentrations in groundwater exceeded New York State groundwater standards.
 - Groundwater at the upgradient edge of the site had groundwater with elevated levels of TCE and 1,2-DCE levels of 12 ppb, and 25 ppb, respectively.

- In 1996, the NYSDEC listed the site as a Class 2 site in the Registry of Inactive Hazardous Waste Disposal Sites in New York (the Registry). In response, Pall Corporation sued the NYSDEC to remove the site from the Registry. The NYSDEC successfully defended the lawsuit.
- In 1999, Tams Consultants, Inc. prepared an OU1 Preliminary Remedial Investigation (RI) Report for NYSDEC.
- In 2001, a Feasibility Study (FS) report was completed for OU1.
- In 2003, a pilot test for ISCO was completed for OU1.
- In 2004, NYSDEC issued the Record of Decision for OU1, calling for remediation via ISCO.
- In 2006, a second pilot test was performed for OU1.
- In 2009, AECOM Technical Services Northeast, Inc. (AECOM) prepared a Draft RI Report for OU2.
- In 2010, Camp Dresser & McKee prepared the OU1 Final Pre-Design Investigation Report for NYSDEC.
- In 2011, AECOM prepared an OU2 FS Report for NYSDEC.
- In 2013, NYSDEC issued the Record of Decision for OU2, calling for remediation via ISCO and groundwater extraction.

1.5 Project Stakeholders

- Residents of Glen Cove
- City of Glen Cove
- Nassau County
- Glen Cove School District
- Glen Cove Child Day Care Center, Inc.
- NYSDEC
- New York State Department of Health (NYSDOH)
- Henningson, Durham & Richardson, Architecture and Engineering PC (HDR)

- EnviroTrac Ltd. contractor for construction activities

1.6 NYSDEC Mission

The mission of the NYSDEC Division of Environmental Remediation is to protect public health and the environment of the State of New York by preventing releases to the environment through the regulation of petroleum and chemical bulk storage facilities, hazardous waste facilities, and radiation facilities; and responding to, investigating, and remediating releases of contaminants that have occurred.

The goal of the Inactive Hazardous Waste Disposal Site Remedial Program, also known as the State Superfund Program, is to identify and characterize suspected inactive hazardous waste disposal sites (sites) and to ensure that those sites, which pose a significant threat to public health or the environment are properly addressed.

New York State is committed to supervising a careful and thorough cleanup of the Pall Site. NYSDEC's foremost priority is ensuring the public does not come in contact with site-related contamination. This cleanup is being completed to address potential exposure to the following primary contaminants of concern:

- 1,1,1-trichloroethane (1,1,1- TCA)
- PCE
- DCE
- Vinyl Chloride (VC)
- TCE
- 1,1-dichloroethane (1,1-DCA)
- 1,2-dichloroethane (1,2-DCA)

NYSDEC retained the services of a consulting firm, HDR, to develop the remedial design, and to provide construction management and inspection services. NYSDEC is in the process of procuring EnviroTrac Ltd to implement the remedy.

NYSDEC will oversee the remedial work, in consultation with the NYSDOH. NYSDEC will

provide oversight of the remedial work to ensure that remedial activities are conducted in a way that is protective of public health.

Angela Martin is the NYSDOH Project Manager and a Public Health Specialist with vast experience in the remediation of contaminated sites across NYS to ensure remedial actions taken are protective of public health, including sensitive populations.

The following are primary NYSDEC staff on this project:

George Momberger, P.E., is NYSDEC's Project Manager and a Professional Engineer who has 40 years of experience managing environmental construction, investigation, and design projects.

Kris Keenan is a NYSDEC construction manager who has 11 years' experience providing oversight of environmental construction projects.

John Nead will provide additional construction oversight and has 30 years' experience in the environmental field.

1.7 Remedial Team Contractors to NYSDEC on Pall Site Cleanup

HDR

HDR is a global employee-owned firm providing architecture, engineering, geologic and environmental consulting, construction and related services through our various operating companies. For over 100 years we have served our public sector clients in improving the health, safety and welfare of the public. We do the right things for the right reasons and as employee owners take personal responsibility to see things through for our clients.

As a trusted Standby Engineer to DEC since 1988, Henningson, Durham & Richardson Architecture and Engineering, P.C. (HDR), has grown from 2,500 to nearly 10,000 employees today. HDR is ranked #6 among Engineering News-Record's (ENR) top

500 design firms, and #3 in Environmental Sciences.

HDR is providing staff and resources from its Mahwah, New Jersey office. The following are primary HDR staff on this project.

Shannon Kling, is HDR's Project Manager and has 15 years of experience in engineering and remediation of contaminated sites.

Thomas Connors is HD's Construction Manager and has 36 years of experience in the characterization, remediation and oversight of environmental construction projects.

EnviroTrac Ltd.

EnviroTrac Ltd. Is a consulting and contracting firm that provides turnkey environmental services. The company was founded in 1993. It has 17 office locations and 160 employees including 70 licensed professionals, 65 geologists, and 45 environmental technicians.

EnviroTrac Ltd is committed to working with the engineering team and has dedicated crews to successfully complete each remedial project on schedule and in a safe manner. EnviroTrac's equipment operators, technicians, and laborers have installed over 100 remediation systems over the past 25 years.

EnviroTrac is providing staff and resources from its Yaphank, NY office. The following are primary EnviroTrac staff on this project:

Michael Rose is EnviroTrac's Site Superintendent and has 17 years of experience managing remediation projects.

James Wilinson is EnviroTrac's Managing Engineer and has 16 years of experience in environmental construction.

Michael Clark is EnivorTrac's Health and Safety Coordinator and has 25 years of experience in performing environmental cleanups.

1.8 Remedial Team Roles and Responsibilities

Team Member	Role	Contact Information
NYSDEC	NYSDEC is the lead regulatory agency for the cleanup and is responsible for ensuring that the cleanup is conducted according to New York State Environmental Conservation Law. A NYSDEC Construction Manager will be on site for the duration of the cleanup activities.	George Momberger, P.E. Project Manager (518) 402-0449 george.momberger@dec.ny.gov Aphrodite Montalvo Public Participation Specialist (631) 444-0249 aphrodite.montalvo@dec.ny.gov
NYSDOH	NYSDOH is responsible for identifying potential impacts to public health from the cleanup.	Angela Martin Project Manager (518) 402-7860 BEEI@health.ny.gov
HDR	HDR is the design engineer and construction overseeing engineer for the cleanup. HDR will be responsible for ensuring that the cleanup activities are performed per the Remedial Design.	Shannon Kling Project Manager (201) 335-9385 shannon.kling@hdrinc.com Thomas Connors Construction Manager Thomas.connors2@hdrinc.com
EnviroTrac, Ltd.	EnviroTrac is the remedial contractor tasked with performing the cleanup activities. EnviroTrac is responsible for the safe execution of the work, per the Remedial Design, and ensuring that site contaminants are contained within the work area boundaries.	Michael Rose, PE Site Superintendant (631-924-3001 James Wilinson, PE Managing Engineer Michael Clark Health and Safety Coordinator

2 Community Profile

Glen Cove is a city in Nassau County, on the north shore of Long Island. The city is surrounded by water on three of its sides and has over ten miles of waterfront including: three public beaches, two nature preserves, a public golf course and public park. It was the waterfront that first attracted the Native Americans and the City's founding fathers. The city was considered part of the early 20th century Gold Coast of the North Shore, as the

areas along the waterfront were developed by wealthy entrepreneurs and business men.

Glen Cove was originally part of the Town of Oyster Bay, but became a city on June 8, 1917 when the Governor at that time signed into law a bill proclaiming Glen Cove to be a City. Of the five municipalities in Nassau County, Glen Cove is one of the two municipalities that is a city rather than a town.

Numerous immigrants migrated into Glen Cove from Ireland, Italy, and Eastern Europe. In more

recent years immigrants from Central and South America, and Asia have settled in the area.

2.1 Community Demographics

According to the 2010 census, there were 26,964 people in 9,604 households living in Glen Cove, New York. Racial makeup is: 55.6% White; 26.9% Latino; 8.2% Black; 3.9% Asian; 0.8% Native American; and 4.6% from other races. 3.8% are identified as being multi-racial. The population at that time indicated that approximately 21.1% were under the age of 18; 60.7% from 18 to 64; and 18.2% who were age 65 or older.

2.2 Glen Cove Industrial Area

The area surrounding the Glen Cove Industrial Area is comprised of the Glen Cove Day Care, commercial and industrial properties. The Glen Cove Day Care is located directly north of the Pall Corporation site.

2.3 Local Government

Glen Cove is governed by Mayor Tim Tenke and an eight-member city council. The mayor is elected at-large, while the council members are elected from single-member districts.

Town halls are held regularly. Date, time, location, and agenda information can be found at <http://www.glencove-li.us/> or by calling the City Hall Main Number: 516-676-2000.

2.4 County Government

Glen Cove is located in Nassau County, which is headed by County Executive Laura Curran, who oversees various County Departments, including the Nassau County Health Department. The Health Department may be reached at: 516-227-9697.

3 History of Community Involvement from 2013 to Present

NYSDEC has been working with affected businesses, the City, and the Day Care to keep the community informed, and respond to concerns and suggestions to mitigate negative impacts and inconvenience to adjacent properties.

- NYSDEC and NYSDOH held a public meeting on February 28, 2013 at the Glen Cove City Hall to discuss proposed remedial action plans for OU-2.
- NYSDEC and their contractors held meetings with the City of Glen Cove and August Thomsen in December 2017 to discuss the proposed remedial design for OU-2 and the potential impacts to their properties.

3.1 Public Protocols

Over the course of the project, members of the public may have questions about the project itself, field activities, concerns about contaminants, human health questions, property issues, etc. Following is a list of likely subjects about, which the public may have questions inquiries, and who they may contact for more information on that subject matter.

3.2 Public Questions

Cleanup Schedules and Timing of Field Activities

Remedial activities are presently scheduled to commence in May 2019. Mobilization activities including utility procurement, staging area set up and erosion and sediment control installation are anticipated to occur in May to June 2019. Substantial completion is anticipated in August 2020. For more information, contact:

George Momberger, PE

NYSDEC Project Manager
Phone: (518) 402-0449
Email: george.momberger@dec.ny.gov

Identification of the Various Agencies, Contractors, and Engineers, along with Their Tasks and Responsibilities

It is not unusual for projects of this type to have several teams working together to tackle the various aspects of an environmental cleanup.

The teams involved here at the Pall site include NYSDEC, the lead State agency for State Superfund sites; NYSDOH, which oversees issues of human health; HDR, the engineering firm that completed the environmental design for the cleanup and will oversee construction; and EnviroTrac Ltd, the contractor that will complete the actual construction work. All of these team members coordinate with each other to ensure that the work is done properly and efficiently, and that the community is kept informed of project activities. All project personnel will easily be identified by photo identifications and high-visibility safety vests or coats.

Health Issues

Public concerns about health issues related to the environment and environmental work and cleanup are completely natural. From the inception of this project, NYSDEC has been working closely with NYSDOH to ensure that public health considerations are a priority in every aspect of the cleanup. Adjacent properties are serviced by a public water supply provided by the City of Glen Cove which is regularly tested and monitored, and is a safe source of drinking water for the community. The public may contact NYSDOH for information, questions and/or concerns about human health in relation to the cleanup of the Pall site. In addition, NYSDEC is also working with the Nassau County Department of Health to ensure that all the agencies involved are on the same page with regard to resolving community concerns about

health issues. For more information on human health issues, contact:

Angela Martin
NYSDOH Project Manager
Phone: (518) 402-7860
Email: BEEI@health.ny.gov

Concerns about Work near Local Businesses

NYSDEC has been working closely with local businesses to keep them informed of project plans, and to minimize impacts to employees and customers. NYSDEC stays in regular contact with these businesses, so all concerns raised are dealt with quickly and diligently. The safety of community members is tantamount to us, and we are working to ensure that there are not threats to either safety or health.

Construction work hours on the Pall property are expected to be from 8:00 a.m. through 5:00 p.m. However to expedite certain cleanup actions, the contractor may need to work past these regular hours. Construction work hours on the City/Day Care property will be conducted during hours when the day care is closed, from 6:30 p.m. to 6:30 a.m. during weekdays or during weekends. The total number of personnel onsite will vary based on the work being performed and may include representatives from NYSDEC, NYSDOH, HDR, EnviroTrac Ltd., subcontractors, and vendors. The number of onsite workers is expected to generally range from approximately 5 to 25 individuals. All project personnel will be easily identified by photo identifications and high-visibility safety vests and/or coats. Traffic controls including flagmen and traffic control devices such as cones, signs, and barriers will be in use to ensure safe access to and from the project. NYSDEC will be working to coordinate the work with individual property owners effected by the remediation.

If you want more specific information such as construction and working dates, or security details, contact:

George Momberger, PE
NYSDEC Project Manager
Phone: (518) 402-0449
Email: george.momberger@dec.ny.gov

Exposure to Dust and Particles in the Air during Field Work/Cleanup Activities

NYSDEC will have an Enhanced Community Air Monitoring Plan (E-CAMP) in place to measure airborne particulate matter and volatile organic compounds (VOCs) during active construction. As part of the E-CAMP monitoring will be conducted directly outside the Day Care building when it is occupied. Data from the E-CAMP will be posted at the following website: <https://www.dec.ny.gov/chemical/114559.html> Air monitoring stations will be set up around the perimeter of the work zone to ensure dust is not dispersed outside the work area; and no visible dust emissions will be allowed outside the work zone. The air monitoring triggers are highly sensitive, and detections will shut-down work activities until required corrective measures are taken. Covering of temporarily stockpiled soils will also be conducted to mitigate dust potential. Work areas will be secured by a chain link fence and gate to prevent the public from entering these areas.

For more information about specific field concerns, contact:

George Momberger, PE
NYSDEC Project Manager
Phone: (518) 402-0449
Email: george.momberger@dec.ny.gov

For more information about the E-CAMP program contact:

Angela Martin
NYSDOH Project Manager
Phone: (518) 402-7860
Email: BEEI@health.ny.gov

Elected Officials

Elected officials are also concerned about issues that may impact their constituents and the community they live in. Inquiries by elected officials are handled by NYSDEC Legislative and intergovernmental staff and can be directed to:

George Momberger, PE
NYSDEC Project Manager
Phone: (518) 402-0449
Email: george.momberger@dec.ny.gov

Impact of Project Cleanup on Property Values/Taxes

Proof of cleanup can actually increase property values; and such documentation is provided by NYSDEC. However, specific questions about possible impacts on local taxes are a local issue, which is not in the jurisdiction of the agencies conducting the investigation and cleanup, and should be referred to:

Glen Cove Receiver of Taxes
Phone: 516-676-2355
Email: gctaxes@cityofglencoveny.org

Laws Governing Environmental Actions, Such as Sampling and Remediation

The laws and regulations that have jurisdiction over these issues are the within the scope of NYSDEC's Counsel. Inquiries may be made to:

George Momberger, PE
NYSDEC Project Manager
Phone: (518) 402-0449
Email: george.momberger@dec.ny.gov

Concerns about Traffic, Construction, Parking Issues, etc.

Contractors will be coordinating with local police, NYSDOT, and fire departments as needed to ensure public safety during construction activities and will keep these departments, as well as the businesses in impacted areas, informed of any changes relevant to construction activities. They will also coordinate work to minimize impacts to traffic. NYSDEC will work with the City, Day Care, and businesses as

soon as additional details are available. For information on this issue, you may contact:

Aphrodite Montalvo
NYSDEC Public Participation Specialist
Phone: (631) 444-0249
Email: aphrodite.montalvo@dec.ny.gov

3.3 Documenting Public Inquiries and Concerns

Because the project involves a variety of stakeholders, it is important that a process be in place that provides information to the public, but also allows them to log-in their complaints, inquiries, and input. This process will allow NYSDEC to track not only inquiries, but resolutions to those inquiries, as well as, those issues that remain outstanding. In order to accomplish this task, NYSDEC will provide an email address to the public where these issues may be raised along with a telephone number they can call if email is not convenient.

4 Key Messages

As work on the cleanup evolves, it is important that the community engage with NYSDEC in a dialogue that is open and enhances two-way understanding of both the community needs and concerns, and the requirements of the work to be conducted. Remediation work is by its nature, impactful, whether on private property, school property or on public streets. While NYSDEC and its team will do all they can to mitigate those invasive aspects such as noise, use of heavy equipment, changes to traffic patterns, and impacts to schools, students and staffs, the public will still have questions and concerns.

Therefore, it is imperative that in addition to the commitment of public sensitivity by NYSDEC staff, the community keep in mind the following:

- Concerns about construction are natural. NYSDEC and their contractors

will restore disturbed areas to their current condition (either grass or asphalt).

- Concerns about property value related to environmental projects involving remediation are not unusual and of great importance to property owners. Remediation and proof of that remediation (via documentation provided by NYSDEC) may increase property values.
- NYSDEC will continue to work with local business owners to ensure that their concerns are heard, acted on, and met. Public health, safety and security are the primary concerns of NYSDEC and NYSDOH.
- The community has an open line to NYSDEC, its staff and contractual teams, who are able and willing to work with them throughout the life of the project.

Questions and comments or complaints may be sent to the project's community outreach email at: derweb@dec.ny.gov.

In addition, the following Community Relations and Outreach staff may be contacted as follows:

Aphrodite Montalvo
NYSDEC Public Participation Specialist
Phone: 631-444-0249
Email: Aphrodite.montalvo@dec.ny.gov

5 Available Resources

Project Documents and Reports:

<https://www.dec.ny.gov/chemical/114559.html>

2013 Fact Sheet:

https://www.dec.ny.gov/docs/remediation_hudson_pdf/130053bou2fs0113.pdf

Frequently Asked Questions:

https://www.dec.ny.gov/docs/remediation_hudson_pdf/130053bfaq0818.pdf

NYSDEC Email List Server:

<http://www.dec.ny.gov/chemical/61092.html>

Document Repositories:

Glen Cove Public Library
4 Glen Cove Avenue
Glen Cove, NY 11542
Phone: (516) 676-2130

NYSDEC
Region 1 Office
SUNY @ Stony Brook
50 Circe Road
Stony Brook, NY 11790
Contact Bill Fonda for an appointment
Phone: (631) 444-0350

NYSDEC
625 Broadway, 12th Floor
SUNY @ Stony Brook
Albany, NY 12233-7017
Contact George Momberger for an
appointment
Phone: (518) 402-0449