



Consulting  
Engineers and  
Scientists

## **Marinas and Docks Construction Completion Report**

# **Paerdegat Basin**

City of New York,  
Kings County, New York  
NYSDEC Site No. 224167

### **Submitted to:**

National Grid  
175 East Old Country Road  
Hicksville, New York 11801

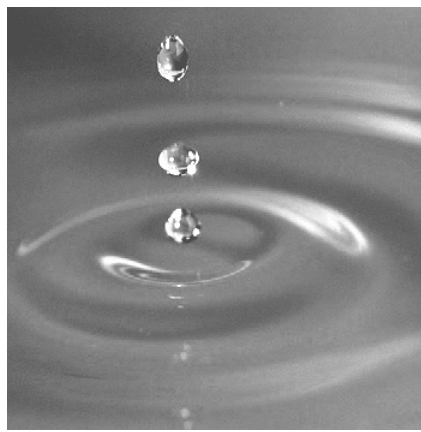
### **Submitted by:**

GEI Consultants, Inc., P.C.  
455 Winding Brook Drive  
Glastonbury, CT 06033  
860-368-5300

August 2016  
129600-2.1203

Matt O'Neil, P.E.  
Project Engineer

Barry Giroux  
Project Manager



## CERTIFICATIONS

I, Matthew J. O'Neil, am currently a registered professional engineer licensed by the State of New York, I had primary direct responsibility for implementation of the remedial program activities discussed in this report, and I certify that the Section 3.6 of the Remedial Design Report was implemented and that all construction activities were completed in substantial conformance with Section 3.6 of the Department-approved Remedial Design Report.

The information and statements in this form are true. I, Matthew J. O'Neil, of GEI Consultants, Inc., am certifying as the Owner's Designated Site Representative.

3/8/17  
Date



Matthew J. O'Neil  
GEI Consultants, Inc., P.C.  
New York State Professional Engineer  
License Number 091317

*It is a violation of Article 145 of New York State Education Law for any person to alter this document in any way without the express written verification of adoption by any New York State licensed engineer in accordance with Section 7209(2), Article 145, New York State Education Law.*

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## Abbreviations and Acronyms

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CAMP	Community Air Monitoring Plan
CCR	Construction Completion Report
DER	Department of Environmental Remediation
FDNY	New York City Fire Department
GEI	GEI Consultants, Inc.
H2M	H2M Architects and Engineers
IRM	Interim Remedial Measures
NTU	Nephelometric Turbidity Unit
NWP	Nationwide Permit
NYCDEP	New York City Department of Environmental Protection
NYCRR	New York Code of Rules and Regulations
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
NYSDOS	New York State Department of State
PCBs	Polychlorinated Biphenyls
PM <sub>10</sub>	Particulate matter less than 10 micrometers in diameter
TSCA	Toxic Substances Control Act
USACE	United States Army Corp of Engineers
USEPA	United States Environmental Protection Agency
WP	Work Plan
<b>MEASUREMENTS</b>	
µg/m <sup>3</sup>	Microgram per cubic meter
mg/kg	Milligram per kilogram

# 1. Introduction

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## 1.1 Background

GEI Consultants, Inc., P.C. (GEI) has prepared this Marinas and Docks Interim Remedial Measure (IRM) Construction Completion Report (CCR) on behalf of National Grid to document the remediation of polychlorinated biphenyls (PCBs) in dock and pier structures at marinas located in Paerdegat Basin, as a result of a release of gas condensate. The site is shown in Figure 1.

This IRM was implemented in response to the New York State Department of Environmental Conservation's (NYSDEC) letter dated July 18, 2013 requesting National Grid to submit an Interim Remedial Measures Work Plan detailing the cleanup of the impacted marinas and floating docks. A copy of this letter is provided in Appendix A.

National Grid entered into an Administrative Order on Consent Index No. R2-002-0811-13-08 with the NYSDEC in May 2014, to investigate and remediate a release of pipeline gas condensate to Paerdegat Basin. This CCR summarizes the removal and disposal of PCB-impacted docks and piers at marinas in Paerdegat Basin. The work was performed under the approval and oversight of the NYSDEC and conducted in accordance with the NYSDEC-approved IRM Work Plan (WP) dated September 2014. NYSDEC approved the IRM Work Plan in a letter dated October 8, 2014. A copy of this letter is provided in Appendix A.

This CCR was prepared to be consistent with the factors set forth in Title 6 of the New York Code of Rules and Regulations Part 375 (NYCRR) for interim remedial measures, and guidance in NYSDEC *Draft DER-10* [Department of Environmental Remediation] *Technical Guidance for Site Investigation and Remediation* (DER-10).

## 1.2 Site Description and History

On September 27, 2012, in the process of decommissioning and retiring twin 24-inch-diameter gas transmission pipelines by filling them with a grout mixture, National Grid discharged natural gas condensate. The New York City Fire Department (FDNY) responded to odor complaints resulting from the gas condensate. After the FDNY opened hydrants to flush the gas condensate, a portion of the gas condensate was released into Paerdegat Basin.

Upon being notified of the release, National Grid notified the NYSDEC and the National Response Center (NRC; Incident Report # 1025830). Emergency response activities were conducted under the direct supervision of the United States Coast Guard (USCG), and NYSDEC. The New York City Department of Environmental Protection (NYCDEP), New York City Fire Department, and New York City Parks Department were notified and responded to the release by sending representatives to the site. Extensive emergency spill response efforts have been

completed to recover the material released and work is ongoing to address residual impacts in upland areas.

The discharge point for the gas condensate release into the basin was a storm water pipe outfall located at the approximate center of the northeast basin shoreline. An oil-like sheen was visible on the surface water of Paerdegat Basin following the release of gas condensate. Sheen transport was observed on surface water in most areas in the basin including the area of fixed and free-standing structures in the water (i.e., boats, docks, piers, and bulkheads). Wind action was observed to cause the sheen to spread primarily toward the headwaters of the basin from the release point. During immediate response actions following the release, boat hulls were cleaned and wipe-tested for PCBs.

A site characterization investigation was performed at the site in April 2013 with the objective of evaluating whether residues from the gas condensate release were present in docks, piers, and bulkheads, sediment, surface water, and/or biota. Sediment, surface water, mussel tissue, and structure samples were collected and analyzed for PCBs and physical parameters such as grain size, total organic carbon for sediments, percent moisture and percent lipids for tissue, and percent moisture for porous structure samples. A subset of nine sediment samples was analyzed for volatile organic compounds (VOCs). Sediment, tissue, and porous material samples were archived for potential PCB congener and forensics analysis. The gas condensate was in the pipelines was determined to be Aroclor 1242.

### **1.3 CCR Format**

This CCR has been prepared to present the remedial construction activities performed by GEI and their subcontractors under contract to National Grid during the implementation of the IRM activities at the Site. This report is organized into the following sections:

Section 1 – Background and Site Description

Section 2 – Summary of Site Remedy

Section 3 – Description of Remedial Actions Performed

## **2. Summary of Site Remedy**

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### **2.1 Remedial Action Objectives**

The NYSDEC remedial program identifies the goal for site remediation under 6 NYCRR Sub-Part 375-2.8(a) as:

“...restore that site to pre-disposal conditions, to the extent feasible. At a minimum, the remedy selected shall eliminate or mitigate all significant threats to the public health and to the environment presented by contaminants disposed at the site through the proper application of scientific and engineering principles and in a manner not inconsistent with the national oil and hazardous substances pollution contingency plan as set forth in section 105 of CERCLA [Comprehensive Environmental Response, Compensation and Liability Act], as amended as by SARA [Superfund Amendments and Reauthorization Act].”

Where restoration to pre-disposal conditions is not feasible, the NYSDEC may approve an alternative criteria based on the site conditions (6 NYCRR Sub-Part 375-2-8(b)(1)). This could include the application of one of the soil cleanup objectives listed in Table 375-6.8(a) (Unrestricted Use) or Table 375-6.8(b) (Restricted Use). The NYSDEC, in a letter dated October 4, 2013, indicated that it had determined the appropriate cleanup objective for the wooden, steel and Styrofoam elements of the marinas, floating docks and piers is less than 1 milligram per kilogram (mg/kg) of total PCBs. A copy of this letter is provided in Appendix A.

Based on these criteria, the goal for this IRM is to remove the PCB-impacted dock and pier structures to the extent practicable. PCB-impacted dock and pier structures are defined as dock and pier structures (or portions of structures) that contain total PCB concentrations at or greater than 1 mg/kg.

Remediation action goals have also been established to meet the United States Environmental Protection Agency (USEPA) requirements regarding PCBs in 40 CFR 761, which are same, i.e. less than or equal to 1 mg/kg.

### **2.2 Description of IRM**

The IRM included the removal and off-site disposal of PCB-impacted dock and pier structures. All PCB-impacted materials removed were disposed of at a Toxic Substances Control Act (TSCA) approved disposal facility. Turbidity control barriers were used to contain any sediment that was suspended during the removal activities.

### **3. Description of Remedial Actions Performed**

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Remedial activities completed at the Site were conducted in accordance with the Marinas and Docks IRM Work Plan, prepared by GEI and dated September 2014. The NYSDEC approved this work plan in a letter dated October 8, 2014. A copy of this letter is provided in Appendix A.

#### **3.1 Governing Documents**

This section has been prepared to summarize the regulatory compliance, and construction documents that were developed to support the implementation of the Work.

##### **3.1.1 Site Specific Health & Safety Plan (HASP)**

All Work was performed in full compliance with governmental requirements, including Site and worker safety requirements mandated by the Federal Occupational Safety and Health Administration (OSHA).

GEI performed work under the *Health and Safety Plan, Paerdegat Basin – National Grid, Brooklyn, New York*, dated October 2012 and revised as of April 2014.

It took a total of 41 days to remove and dispose of the PCB impacted structures. There were not any lost time incidents during this work period.

##### **3.1.2 Environmental Permits**

Applicable permit requirements included the following:

- **NYSDEC**

The project, because it was being done under a remedial program pursuant to an oversight document, did not require the submittal of an application and supporting documents to NYSDEC. These permit programs include the Protection of Waters Program (Article 15), Water Quality Certification Program (Section 401 of the Clean Water Act), and Tidal Wetlands (Article 25). The NYSDEC has issued a blanket Section 401 Water Quality Certification for activities under Nationwide Permit (NWP) 28.

Even though a permit was not required, NYSDEC did review the IRM WP and determined special conditions must be adhered to during the implementation of the plan. The special conditions are detailed in a letter dated January 6, 2105 (Appendix A) and are regarding wood preservatives for the new dock and best management conditions for construction.

- **United States Army Core of Engineers (USACE)**

An individual permit was not required and work was done under NWP 28. The USACE provided its jurisdiction determination in a letter dated April 2, 2015 (Appendix B). This NWP permit is for modification of existing marinas and is limited to previously authorized marina areas. .

- **Coast Zone Management Consistency Review – New York State Department of State (NYS DOS)**

The project is located within Coastal Zone jurisdiction. The NYSDOS, in a letter dated January 21, 2015 (Appendix B) determined that the IRM meets its general consistency criteria.

- **NYC Department of Parks & Recreation Permit to Perform Work on Park Property.**

This permit was issued on January 5, 2016 (Appendix B). In addition, to approving the new facilities, the Department of Parks was responsible for coordinating all access and reviewed and approved the design of the new marina facilities.

The NYC Building Department also issued a permit to build the new marina facilities and reviewed the construction plans for conformance with the NYC Construction Codes.

No approvals were required from the USEPA because all materials with concentrations equal to or greater than 1 mg/kg were removed and disposed of in a TSCA permitted PCB landfill in accordance with the performance-based PCB remediation waste requirements in 40 CFR 761.61(b). Under the performance-based requirements a formal notification to USEPA is not required.

### **3.1.3 Community Air Monitoring Plan (CAMP)**

A CAMP, dated February 2016, was prepared prior to the start of any work. The CAMP monitoring network consisted of tripod-mounted monitoring stations located upwind and downwind of the daily work zone(s). The tripod-mounted monitoring stations recorded concentrations of particulate matter less than 10 micrometers in size (PM<sub>10</sub>) upwind and downwind of the daily work location(s) when impacted materials were being handled.

The CAMP WP established a contingency plan that used a two-tiered classification to provide an early warning system and mitigation procedures to prevent emissions from intrusive activities at the Site. The 15-minute average action levels from the NYSDEC -approved CAMP WP are provided in Table 1 below.

**Table 1. Air Monitoring Response Levels and Actions**

<b>Particulates</b>	
<b>Response Level</b>	<b>Actions</b>
>100 micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ ) above background for 15-minute average or visual dust observed leaving the site	<ul style="list-style-type: none"> <li>• Apply dust suppression</li> <li>• Continue monitoring</li> <li>• Continue work if downwind <math>\text{PM}_{10}</math> particulate levels are <math>&lt;150 \mu\text{g}/\text{m}^3</math> above upwind levels and no visual dust leaving site</li> </ul>
>150 $\mu\text{g}/\text{m}^3$ above background for 15-minute average	<ul style="list-style-type: none"> <li>• Stop work</li> <li>• Re-evaluate activities</li> <li>• Continue monitoring</li> <li>• Continue work if downwind <math>\text{PM}_{10}</math> particulate levels are <math>&lt;150 \mu\text{g}/\text{m}^3</math> above upwind levels and no visual dust leaving site</li> </ul>
<b>Sources:</b>	
<ul style="list-style-type: none"> <li>• New York State Department of Health (NYSDOH) Community Air Monitoring Plan, December 2009, as published in NYSDEC DER-10, Appendix 1A, 2010.</li> <li>• Fugitive Dust and Particulate Monitoring, NYSDEC DER-10, Appendix 1B, 2010.</li> <li>• Special Requirements for Work within 20 Feet of Potentially Exposed Individuals or Structures, NYSDOH.</li> </ul>	

The CAMP reports for the IRM work are included in Appendix C, and a summary of the results is provided in subsection 3.2.5.

## 3.2 Remedial Program Elements

### 3.2.1 Contractors and Consultants

H2M Architects and Engineers (H2M) was contracted by National Grid to serve as the construction manager for the IRM and construction of the new marina facilities. The construction manager was responsible for tracking submittals, conducting a pre-construction walk through, identifying cost-control measures for each aspect of the work, implementing a communications management plan, facilitating, organizing, and maintaining a records management system, chairing weekly progress meetings, preparing and distributing minutes of all such meetings, monitoring contractor's work for compliance with the contract, ensuring that contractor's health and safety controls were in place and functional, tracking construction activity, schedule and budget status with respect to potential out-of-scope costs, and resolving potential discrepancies with the contractors.

GEI, under contract to National Grid, served as the Engineer of Record for the IRM and acted as National Grid's representative on site. GEI was responsible for review of the removal and disposal work to ensure compliance with contract documents, turbidity monitoring and implementation of the CAMP.

The general contractor for the removal and construction work was JT Cleary Marine Construction. They were responsible for completing all work in accordance with the contract documents. This work included removal and disposal of the PCB-impacted docks and piers, and construction of the marina facilities. The construction work included installation of new fixed

dock, catwalk systems and floating dock systems complete with water and electrical utilities throughout the systems at the Paerdegat Basin for the Canarsie Athletic Club, Paerdegat Squadron, Diamond Point Club, Sebago Canoe Club and the Midget Squadron.

The following are the key personnel or agencies that were involved in the performance of the remedial actions:

National Grid: William J. Ryan, Project Manager  
National Grid  
175 E. Old Country Road  
Hicksville, NY 11801  
(516) 545-2586

NYSDEC: Shaun Bollers  
Project Coordinator/Contact  
NYSDEC – Region 2  
47-40 21<sup>st</sup> Street,  
Long Island City, New York, 11101  
(718) 482-4096

NYSDOH: Agnes Mukasa/James Leach  
New York State Department of Health  
547 River Street  
Troy, New York 12180  
(518) 402-7819  
or (518) 402-7860

NYC Parks: Nate Grove/John Mulvey  
New York City Parks  
Olmsted Center, Flushing Meadows-Corona Park  
Capital Projects  
117-02 Roosevelt Avenue, Room 46  
Corona, NY 11368  
(718) 478-0480  
(732)-906-6817

NYCDEP: Edward Wright  
Bureau of Wastewater Treatment Safety Section  
(646) 584-1844

Shay McAtamney  
Bureau Water and Sewer Operations  
(718) 595-4618



Construction Manager: Lawrence M. Feely, Jr.  
Site Construction Manager  
H2M  
538 Broad Hollow Road, 4th Floor  
Melville, NY 11747  
(631) 756-8000 ext. 1303

Contractor: Christopher Wygant  
JT Cleary  
100 Red Schoolhouse Rd, Suite A-12  
Chestnut Ridge, NY 10977  
(845) 352-1099 ext. 117

GEI (IRM Engineer): Barry Giroux, P.E.  
Project Manager  
GEI Consultants, Inc., P.C.  
455 Winding Brook Drive, Suite 201  
Glastonbury, Connecticut 06033  
(860) 368-5300

Matthew O'Neil, P.E.  
Engineer of Record  
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(401) 533-5152

Steve Nyczak  
Engineer's Representative  
GEI Consultants, Inc.  
110 Walt Whitman Road  
Suite 204  
Huntington Station, NY 11746  
631) 759-2978

### **3.2.2 Site Preparation**

Prior to commencing site activities, a pre-construction meeting was held with representatives from the NYSDEC, H2M, JT Cleary, NYC Parks, National Grid and GEI on February 11, 2016. During this meeting the following topics were reviewed:

- Project organization
- Work hours
- Site preparation
- Trucking
- Periodic reporting
- Governing documents
- Disposal of removed materials
- Complaint management and notifications
- Project schedule

Mobilization activities completed included the following:

- Installation of fencing
- Construction of a vehicle anti-traffic pad
- Construction of the storage area for removed materials
- Installation of sediment and erosion controls
- Mobilization of the barge to the site
- Installation of the turbidity barrier around the work area

### **3.2.3 Site Security**

A chain link entrance fence and gate was installed at the entrance along Paerdegat Avenue North of the staging area located at the former Canarsie Athletic Club to prevent any unauthorized access to the Site.

### **3.2.4 Odor and Dust Control**

Odors and dust were monitored during the work and due to the nature of the materials being removed, were not of concern. There was no odor noted or dust observed related to the removal and disposal of the dock structures. In addition, as described in the section below, particulate matter was monitored.

### **3.2.5 CAMP Results**

The CAMP air monitoring reports are provided in Appendix C. There were no exceedances of the response level or NYSDOH Action Level for PM<sub>10</sub> at the Site perimeter measured during removal activities at the Site.

### **3.2.6 Turbidity Monitoring**

As required by Section 7.1 of the IRM Work Plan, surface water turbidity monitoring was conducted during removal activities. Turbidity measurements were collected from three depths at a location approximately 15 feet outside of the turbidity curtain and a reference location. The reference location would vary based on current and wind direction and be approximately 200 feet “upstream” from the work area.

The turbidity monitoring response levels are indicated in Table 2 below.

**Table 2. Turbidity Monitoring**

Reference Location Turbidity (NTUs)	Permissible Turbidity Increase for the Monitoring Location (NTU)
<10	Reference plus 20 NTUs
11 – 20	Reference plus 15 NTUs
>21	Reference plus 30% of reference

**Notes:**

1. NTU – Nephelometric Turbidity Unit

The turbidity monitoring results are provided in Appendix D. Response levels were not exceeded during any monitoring event.

### **3.2.7 Reporting**

GEI prepared daily reports to document its observations of IRM activities. The daily reports include photographs of IRM activities and are included in Appendix E.

## **3.3 Remediation of Marina Structures**

The remediation of the marina structures included the removal and off-site disposal of materials containing equal to or greater than 1 mg/kg of PCBs. The limits of structures removed is indicated in Figure 2. All materials removed, based on sampling and analysis conducted during the site characterization, were assumed to contain more than 1 mg/kg of PCBs and were disposed of at a TSCA permitted PCB landfill.

### **3.3.1 Removal**

Removal of the docks and related structures started on February 18, 2016 and was completed on March 3, 2016. A barge-mounted crane was used to remove the piers and the docks were floated to a ramp at the staging area located at the former Canarsie Athletic Club marina. Materials were then picked up and moved by construction equipment and placed in a temporary storage area.

### **3.3.2 Storage**

The storage area was located in an upland area as indicated in Figure 2. The storage area had a gravel base covered with polyethylene sheeting. As required, materials were cut to size in this area to allow placement in the transportation trucks. All materials were removed from the storage area by March 18, 2016. Scraps, small materials and the liner were loaded into the last truck sent off site for disposal.

### **3.3.3 Disposal**

In total, 309 tons of removed material were disposed of at the following facility:

- Wayne Disposal, Inc.  
Belleville, Michigan  
USEPA ID # MID048090633

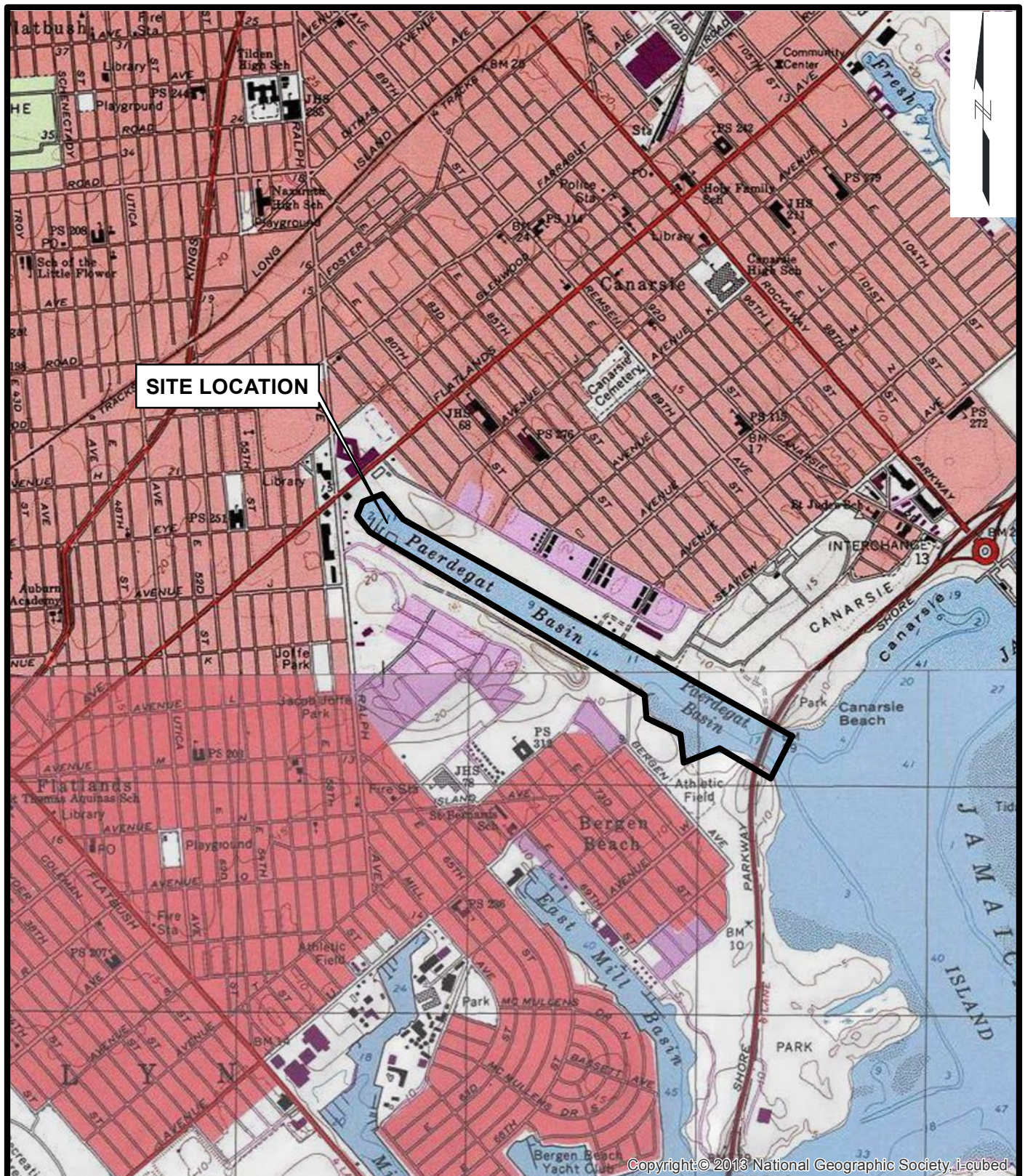
Waste transporters, properly permitted by the NYSDEC and the United States Department of Transportation (USDOT), were used to ship the impacted soils to the approved disposal facilities. National Grid managed all disposal documentation including, but not limited to, manifests, bill-of-ladings, weight tickets, and certificates of treatment/destruction. Transport trucks used to remove the removed materials used the approved traffic route out of the Site area and then the most direct hauling route between the Site and the approved disposal facility.

A manifest form accompanied each shipment of material sent off site for disposal. The manifest was signed by either National Grid or an approved agent for National Grid, and the vehicle driver before the material left the Site, and by a representative of the disposal facility when the material was received. Copies of the signed manifests are provided in Appendix F.

## Figures

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**SOURCE:**

1. USGS TOPOGRAPHIC MAP NATIONAL GEOGRAPHIC TOPO! ACCESSED VIA ARCGIS ONLINE.

0 1,000 2,000 4,000



SCALE: 1" = 2,000'

Construction Completion Report  
Paerdegat Basin  
Brooklyn, New York

**nationalgrid**



Project 129600

SITE LOCATION MAP

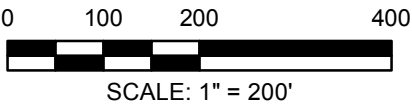
September 2016

Fig. 1





**NOTES:**  
1. ALL LOCATIONS ARE APPROXIMATE  
**SOURCES:**  
1. 5/2015 NAIP IMAGERY, ESRI WORLD IMAGERY ACCESSED VIA ARCGIS ONLINE SERVICES.



Construction Completion Report  
Paerdegat Basin  
Brooklyn, New York

**nationalgrid**



Project 129600

LIMITS OF REMOVAL

September 2016

Fig. 2



## **Appendix A**

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### **NYSDEC Approval Letters**



# New York State Department of Environmental Conservation

## Division of Environmental Remediation, Region 2

47-40 21ST Street, Long Island City, NY 11101-5407

Phone: (718) 482-4995 • Fax: (718) 482-6358

Website: [www.dec.ny.gov](http://www.dec.ny.gov)



Joe Martens  
Commissioner

July 18, 2013

William J. Ryan  
Project Manager - Site Investigation and Remediation Department  
National Grid  
175 E. Old Country Road  
Hicksville, NY 11801

Re: Paerdegat Basin  
NYSDEC Site No. 224167  
Sampling Work Plan – Initial Analytical Results

Dear Mr. Ryan:

The New York State Department of Environmental Conservation (“NYSDEC”), in consultation with the New York State Department of Health (“NYSDOH”), the United States Environmental Protection Agency (“USEPA”) and the New York City Department of Environmental Protection (“NYCDEP”), has completed its review of the above referenced analytical results from the sampling of mussel tissue, sediment, porous material and surface water from Paerdegat Basin. These results were sent by electronic mail on May 7, 2013 in the form of tables and figures prepared by GEI Consultants, Inc. on behalf of National Grid (the Remedial Party).

The data has been fully evaluated by NYSDEC staff, who have concluded that the analytical results strongly implicate the gas condensate spill as the source of contamination identified in the sediment and mussel tissue. Furthermore, the contamination of the porous material identified from samples taken from the marinas and floating docks indicates that such contamination is attributed to the aforementioned spill.

Therefore, NYSDEC has determined that the Remedial Party must proceed with additional sampling as outlined on page 4 of the approved Sampling Work Plan (the Plan) dated March 13, 2013, which states that “...based on review [of the preliminary sampling data, NYSDEC] will determine whether subsequent sampling rounds will be required. The second sampling event (if conducted) will likely include sampling of finfish species (analyzed as standard fillets) which anglers may consume.” Upon further evaluation by NYSDEC’s Natural Resources program staff, it is recommended that the next round of sampling include killifish (five to seven stations of five samples each) and crabs (eight to ten stations of five samples each) in lieu of fillets from edible finfish.

Within 30 days of this letter, please submit to NYSDEC the following:

- A Sampling Work Plan Addendum providing details on the next round of sampling; and

July 18, 2013

Paerdegat Basin – Initial Analytical Results

Page 2

- A separate Interim Remedial Measure Work Plan detailing the cleanup of the impacted marinas and floating docks.

If there are any questions regarding this letter, please call me at (718) 482-4096.

Sincerely,



Nicholas S. Bollers  
Environmental Engineer

cc: J. O'Connell, L. Oliva, W. Richter, S. Zahn, S. Maresca – NYSDEC  
A. Forti – NYSDOH  
J. Haklar – USEPA  
J. Roberts, S. McAtamney – NYCDEP  
R. Teetz, T. Leissing, C. Corrado, D. Riccobono – National Grid  
B. Giroux – GEI

# **New York State Department of Environmental Conservation**

## **Division of Environmental Remediation, Region 2**

47-40 21ST Street, Long Island City, NY 11101-5407

**Phone:** (718) 482-4995 • **Fax:** (718) 482-6358

**Website:** [www.dec.ny.gov](http://www.dec.ny.gov)



Joe Martens  
Commissioner

October 4, 2013

William J. Ryan  
Project Manager - Site Investigation and Remediation Department  
National Grid  
175 E. Old Country Road  
Hicksville, NY 11801

Re: Paerdegat Basin  
NYSDEC Site No. 224167

Dear Mr. Ryan:

The purpose of this letter is to document result of the August 12, 2013 meeting among the New York State Department of Environmental Conservation ("NYSDEC"), the New York State Department of Health ("NYSDOH") and National Grid, and to provide additional information to address outstanding issues. Following the meeting, the outstanding issues were:

1. Cleanup Standards – NYSDEC has determined that the appropriate cleanup objective for the wooden/steel/Styrofoam elements of the marinas, floating docks and piers is 1 ppm of total PCBs. Therefore, any impacted structure that has been sampled and found to have a PCB concentration of 1 ppm or greater must be remediated. Furthermore, in accordance with 6NYCRR Part 371.4(e), if the concentration of PCBs is 50 ppm or greater the material must be considered a listed hazardous waste and be disposed of as such.
2. Additional Fish Sampling - The NYSDEC and NYSDOH recommend that resident populations of killifish, American eel and blue crab should be analyzed. In addition, transient sportfish such as bluefish, striped bass and weakfish should also be collected and analyzed to further refine the current fish advisory. As noted during the meeting, this sampling may be delayed until after the completion of NYCDEP's planned dredging activities.
3. Feedback from Other Regulatory Agencies - The USEPA has informed the NYSDEC that they will not be providing further feedback unless a formal notification/application to EPA for approval of the PCB cleanup has been submitted. NYCDEP would like to meet with National Grid and NYSDEC concerning the impact to its structures, in particular tide gates and CSO structures, as a result of the spill. NYCDEP would also like to address additional sampling and proposed mitigation of the impact to its infrastructure.

Within 30 days of this letter, please submit to NYSDEC the following:

October 4, 2013

Paerdegat Basin – Follow-Up to August 12 Meeting

Page 2

- A Sampling Work Plan Addendum providing details on the next round of sampling; and
- A separate Interim Remedial Measure Work Plan detailing the cleanup of the impacted marinas and floating docks.

If there are any questions regarding this letter, please call me at (718) 482-4096.

Sincerely,

Nicholas S. Bollers  
Environmental Engineer

ec: J. O'Connell, L. Oliva, W. Richter, S. Zahn, S. Maresca – NYSDEC  
A. Forti – NYSDOH  
J. Roberts, S. McAtamney – NYCDEP  
T. Leissing, C. Corrado, D. Riccobono – National Grid  
B. Giroux – GEI

# **New York State Department of Environmental Conservation**

## **Division of Environmental Remediation, Region 2**

47-40 21ST Street, Long Island City, NY 11101-5407

**Phone:** (718) 482-4995 • **Fax:** (718) 482-6358

**Website:** [www.dec.ny.gov](http://www.dec.ny.gov)



Joe Martens  
Commissioner

October 08, 2014

William J. Ryan  
Project Manager - Site Investigation and Remediation Department  
National Grid  
175 E. Old Country Road  
Hicksville, NY 11801

Re: Paerdegat Basin  
NYSDEC Site No. 224167  
Marinas and Docks Interim Remedial Measure Work Plan (IRMWP)

Dear Mr. Ryan:

The New York State Department of Environmental Conservation (“NYSDEC”), in consultation with the New York State Department of Health (“NYSDOH”), and the New York City Department of Environmental Protection (“NYCDEP”) has completed its review of the above referenced document (the “Plan”) which was prepared by GEI Consultants, Inc. PC on behalf of National Grid (the Remedial Party). The document was dated September, 2014 and represented the second revision of the Plan. The Plan is now in compliance with the Order on Consent Index #R2-0811-13-08 and DER-10 and is hereby approved.

In accordance with DER-10 1.10(a), the Remedial Party may be exempted from a requirement to obtain certain permits and other authorizations for site activities issued by the State of New York pursuant to NYSDEC statutes, regulations, policies and procedures. However, these activities must satisfy all substantive technical requirements pursuant to the State as determined by NYSDEC in the form of a permit equivalent. Please submit a copy of the NYSDEC/USACOE Joint Application for Permit, including all attachments, to the Project Manager so that Department staff may review and provide any special conditions that must be adhered to during the implementation of the IRM. These special conditions will become enforceable under the Order on Consent.

The Remedial Party and its contractors are solely responsible for the safe execution of all invasive and other field work performed under the Plan. The Remedial Party and its contractors must obtain all local, state, and/or federal permits or approvals that may be required to perform work under the Plan that are not covered by the aforementioned permit equivalent. Further, The Remedial Party and its contractors are solely responsible for the identification of utilities that might be affected by work under the Plan and, the implementation of all required, appropriate, or necessary health and safety measures during performance of work under the Plan.

Please provide the NYSDEC with an updated schedule for the proposed interim remedial work, along with a copy of the Joint Application for Permit, at your earliest convenience. Once

October 08, 2014

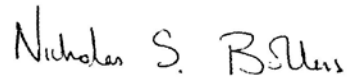
Paerdegat Basin – Interim Remedial Measures Work Plan Approval

Page 2

the special conditions have been provided, implementation of the approved Plan may begin. A pre-construction meeting with the selected contractor must occur prior to site mobilization. Furthermore, please also provide at least 5 days notice prior to initiating field work related to the approved Plan.

If there are any questions regarding this letter, please call me at (718) 482-4096.

Sincerely,

A handwritten signature in black ink that reads "Nicholas S. Bollers". The signature is written in a cursive, slightly slanted style.

Nicholas S. Bollers  
Environmental Engineer

ec: R. Cozzy, J. O'Connell, L. Oliva, W. Richter, S. Maresca – NYSDEC  
J. Deming, B. Boyd, A. Mukasa, J. Leach – NYSDOH  
R. Teetz, T. Leissing, C. Corrado, D. Riccobono – National Grid  
B. Giroux – GEI  
J. Roberts, S. McAtamney – NYCDEP  
K. Zias – NYCDPR

# New York State Department of Environmental Conservation

## Division of Environmental Remediation, Region 2

47-40 21ST Street, Long Island City, NY 11101-5407

Phone: (718) 482-4995 • Fax: (718) 482-6358

Website: [www.dec.ny.gov](http://www.dec.ny.gov)



Joe Martens  
Commissioner

January 6, 2015

William J. Ryan  
Project Manager - Site Investigation and Remediation Department  
National Grid  
175 E. Old Country Road  
Hicksville, NY 11801

Re: Paerdegat Basin  
NYSDEC Site No. 224167  
Permit Equivalent

Dear Mr. Ryan:

The New York State Department of Environmental Conservation (the Department), has completed its review of the Marinas and Docks Remediation/Reconstruction Plan (the Plan) prepared by Land Use Ecological Services, Inc. dated November 21, 2014 which was included in the Joint Application for Permit that was submitted on behalf of National Grid (the Remedial Party) in support of a permit equivalent authorization.

In the Department's letter of October 8, 2014 approving the Interim Remedial Measures Work Plan (the IRMWP), in accordance with 6NYCRR Part 375-1.12(b), the Remedial Party may be exempted from a requirement to obtain certain permits issued by the Department provided that all substantive technical requirements are met. The Department has concluded its review of the Plan and has determined that the following special conditions must be adhered to during the implementation of the IRMWP and the Plan:

### **Wood preservative conditions:**

1. Pressure treated wood used for construction of in-water structures must have been treated with a preservative and must have undergone a treatment process approved (stamped or otherwise marked as certified) by the American Wood Preservative Association.
2. Wood treated with Pentachlorophenol (PCP) must not be used in wetlands or surface waters.
3. Chromated Copper Arsenate (CCA) pressure treated wood must be clean and free of CCA surface deposits. Wood with surface deposits must be washed for at least 5 minutes under running water prior to use. (Note the following condition for the handling of wash water.)
4. Any wood debris such as sawdust or wash water must not enter any water body,

January 6, 2015

Paerdegat Basin – Marinas and Docks Remediation/Reconstruction Plan

Page 2

including wetlands, or protected buffer areas.


**Best Management Practices (BMPs) for construction:**

1. During construction, concrete or leachate will not escape or be discharged, nor will washings from transit mix trucks, mixers, or other devices enter tidal wetlands and or protected buffer areas.
2. Any debris or excess material from construction of this project will be completely removed from the adjacent area (upland) and removed to an approved upland area for disposal. No debris is permitted in tidal wetlands or tidal wetlands adjacent area or protected buffer areas.
3. There will be no disturbance to vegetated tidal wetlands or tidal wetlands adjacent area or protected buffer areas as a result of the permitted activity.
4. Best management practices will be employed to prevent the loss of construction materials, debris, and sediment from entering the waterways. Such practices may include, but are not limited to silt fencing, hay bales, and floating booms.

Please provide the NYSDEC with an updated schedule for the proposed IRM work at your earliest convenience. Please also provide at least 5 days' notice prior to initiating field work related to the approved Plan.

If there are any questions regarding this letter, please call me at (718) 482-4096.

Sincerely,



Nicholas S. Bollers  
Environmental Engineer

ec: R. Cozzy, J. O'Connell, K. Mintzer, W. Richter, S. Maresca – NYSDEC  
J. Deming, B. Boyd, A. Mukasa, J. Leach – NYSDOH  
J. Roberts, S. McAtamney – NYCDEP  
T. Leissing, C. Corrado, D. Riccobono – National Grid  
B. Giroux – GEI  
K. Risotto – Land Use Ecological Services, Inc.



## Appendix B

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### Permits

REGULATORY BRANCH

SUBJECT: Permit Application File Number NAN-2015-00172-EMC by National Grid for maintenance to existing marinas in Paerdegat Basin off of Jamaica Bay at Brooklyn, Kings County, New York

MAILING LABELS

**Charles Willard  
National Grid  
300 Erie Boulevard West A-3  
Syracuse, New York 13202**

**Kelly Risotto  
Land Use Ecological Services Inc.  
575 Expressway Drive South, Suite 2F  
Medford, New York 11763**

**CENAN-OP-R [C. McCathern]**

**CENAN-OP-R [J. McDonald]**



**DEPARTMENT OF THE ARMY**  
NEW YORK DISTRICT, CORPS OF ENGINEERS  
JACOB K. JAVITS FEDERAL BUILDING  
26 FEDERAL PLAZA  
NEW YORK, N.Y. 10278-0090

REPLY TO  
ATTENTION OF  
REGULATORY BRANCH

**APR 02 2015**

**SUBJECT:** Permit Application File Number NAN-2015-00172-EMC by National Grid for maintenance to existing marinas in Paerdegat Basin off of Jamaica Bay at Brooklyn, Kings County, New York

**1. PERMITTEE:**

Charles Willard  
National Grid  
300 Erie Boulevard West A-3  
Syracuse, New York 13202  
315-428-5015

2. On February 19, 2015, the New York District of the U.S. Army Corps of Engineers received a request for Department of the Army authorization for removal and reconstruction of the existing marina facilities at five (5) locations in Paerdegat Basin: Canarsie Athletic Club, Paerdegat Squadron Club, Diamond Point Club, Sebago Canoe Club and Midget Squadron Club. Work includes the largely in-kind and largely in-place replacement of fixed docks, gangways, floating docks, floating platforms and finger docks. The project is located in Paerdegat Basin off of Jamaica Bay at 1440 Paerdegat Avenue North, Brooklyn, Kings County, New York.

3. The specific applicant-provided details are as shown on the enclosed dated permit drawings.

4. This determination covers only the work described in the submitted material. Any major changes in the regulated work may require additional authorizations from the New York District of the U.S. Army Corps of Engineers.

5. Based on the information submitted to this office and accomplishment of any required notification in accordance with the applicable federal requirements, our review of the subject work indicates that an individual Department of the Army permit is not required. It appears that the activities within the jurisdiction of this office could be accomplished under Department of the Army Nationwide General Permit Number 3 – MAINTENANCE, and Number 28 – MODIFICATIONS OF EXISTING MARINAS. The nationwide permits are prescribed at Reissuance of Nationwide Permits in the Federal Register dated February 21, 2012 (77 FR 10184). The subject work may be performed without further authorization from this office provided it complies with the permit conditions listed in Section B, Number 3 - MAINTENANCE; and 28 – MODIFICATIONS OF EXISTING MARINAS; Section C; any applicable New York District regional conditions; the following work-specific Special Conditions listed below; and any applicable regional conditions added by the State of New York.

REGULATORY BRANCH

APR 02 2015

SUBJECT: Permit Application File Number NAN-2015-00172-EMC by National Grid for maintenance to existing marinas in Paerdegat Basin off of Jamaica Bay at Brooklyn, Kings County, New York

6. Other than the work-specific Special Conditions listed below, the 2012 nationwide general permits in the State of New York, including their final regional conditions, water quality certifications, and coastal zone concurrence statements are available at:

New York City Public Notice –

[http://www.nan.usace.army.mil/Portals/37/docs/regulatory/geninfo/natp/NWP\\_PN\\_30MAY12.pdf](http://www.nan.usace.army.mil/Portals/37/docs/regulatory/geninfo/natp/NWP_PN_30MAY12.pdf)

If you require a specific paper copy, please contact our Regulator-of-the-Day at 917-790-8511 to request one be mailed to you. Please be sure to have the above eighteen-character file number readily available when you call.

7. Work-specific Special Conditions:

(A) The permittee, and their agents, shall take actions to prevent construction materials, including debris, from entering any waterway to become drift or pollution hazards.

(B) The permittee shall contact the appropriate state and local government officials to ensure that the subject work is performed in compliance with their requirements.

(C) The permittee shall sign and submit the attached compliance certification form to this office within 30 days of the completion of the regulated activity authorized by this permit and any mitigation work required by Special Condition.

8. Please note that this nationwide general permit (NWGP) verification is based on a preliminary jurisdictional determination (JD). A preliminary jurisdictional determination (JD) is not appealable. If you wish, prior to commencement of the authorized work you may request an approved jurisdictional determination (JD), which may be appealed, by contacting the New York District, US Army Corps of Engineers for further instructions. To assist you in this decision and address any questions you may have on the differences between preliminary and approved jurisdictional determinations, please review US Army Corps of Engineers Regulatory Guidance Letter Number 08-02, which can be found at:

<http://www.usace.army.mil/Portals/2/docs/civilworks/RGLS/rgl08-02.pdf>

9. This verification is valid until March 17, 2017, unless the nationwide general permits are modified, reissued, or revoked before then. This verification will remain valid until March 17, 2017, if the subject work activity complies with the terms of any subsequent modifications of the nationwide general permits. If the nationwide general permits are suspended, revoked, or modified in such a way that the subject activity would no longer

REGULATORY BRANCH

APR 02 2015

SUBJECT: Permit Application File Number NAN-2015-00172-EMC by National Grid for maintenance to existing marinas in Paerdegat Basin off of Jamaica Bay at Brooklyn, Kings County, New York

comply with the terms and conditions of a nationwide general permit, and the proposed work activity has commenced, or is under contract to commence, the permittee will have twelve (12) months from the date of such permit action to complete the regulated work.

10. In order for us to better serve you and others, please complete our Customer Service Survey located at:

<http://www.nan.usace.army.mil/Missions/Regulatory/CustomerSurvey.aspx>

11. Any inquires should be directed to Courtney McCathern at 917-790-8091. Please be sure to have the above eighteen-character file number readily available when you call.

*for*   
Stephan A. Ryba  
Chief, Eastern Section

Encls

1. Dated Permit Drwgs
2. Completion Form

CF: w/o encls

NYDOS

NYSDEC **Region 2**

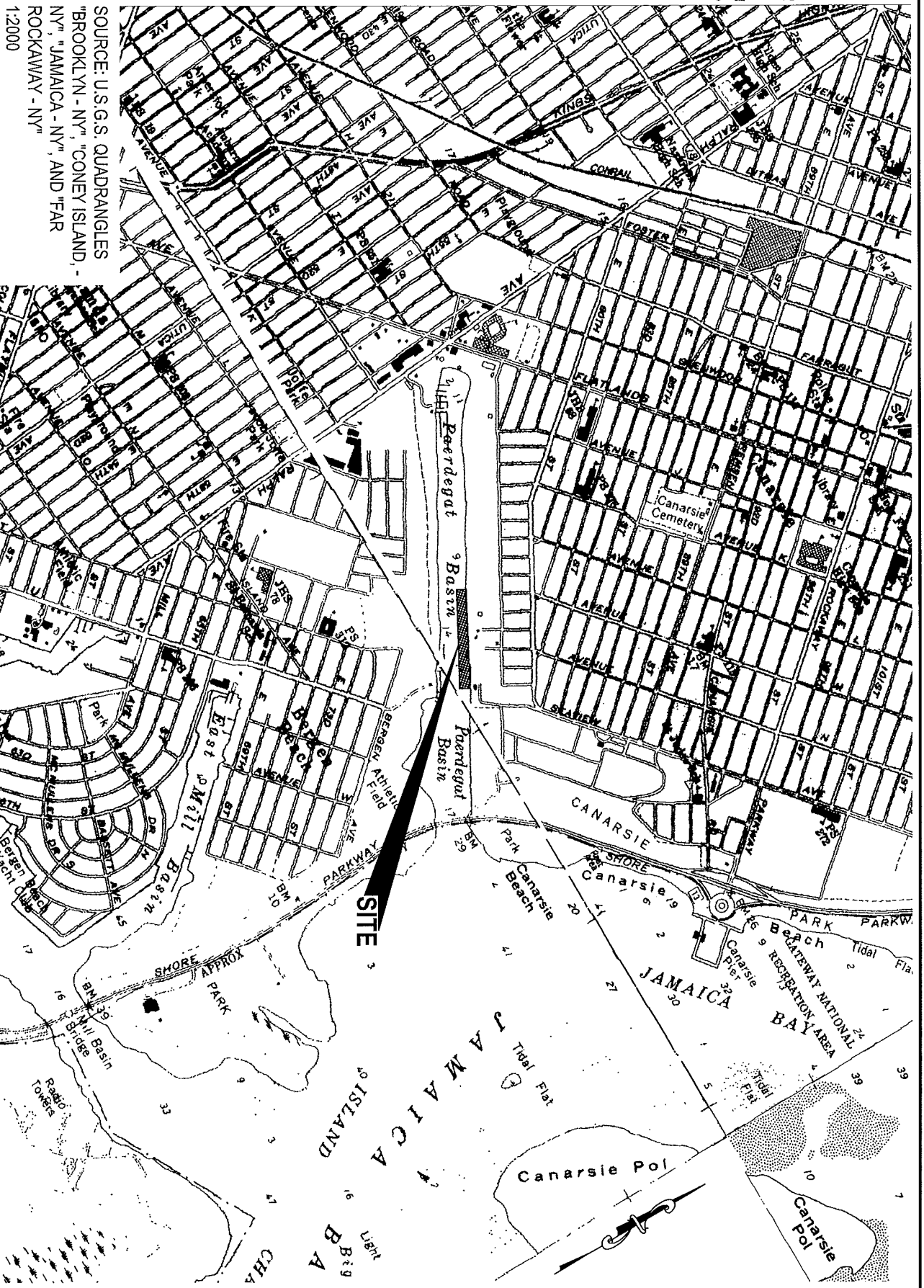
Kelly Risotto

Land Use Ecological Services Inc.

575 Expressway Drive South, Suite 2F

Medford, New York 11763

APR 02 2015



SOURCE: U.S.G.S. QUADRANGLES  
"BROOKLYN - NY", "CONEY ISLAND -  
NY", "JAMAICA - NY", AND "FAR  
ROCKAWAY - NY"  
1:2000

CLIENT

# National Grid

Paerdegat Basin  
Boat Dock Replacement  
Canarsie, New York

SHEET #

C1.0

## Vicinity Map

DATE:

NOV 2014

H 2

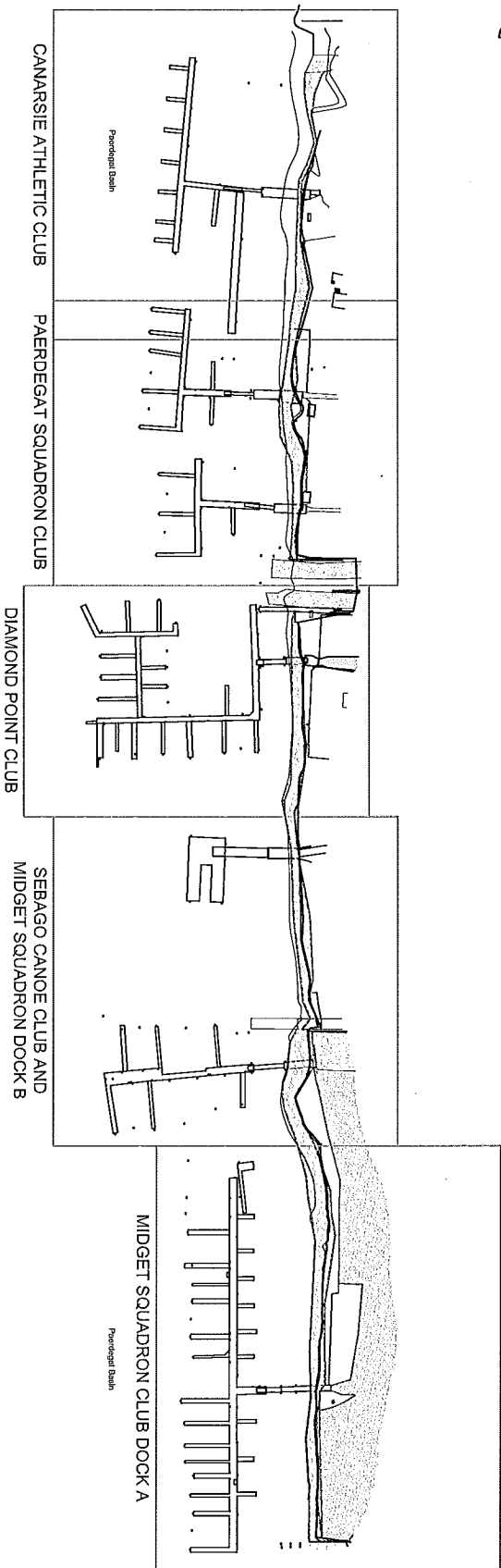
M

architects + engineers

Middle, NY  
New City, NY  
White Plains, NY  
Albany, NY  
Poughkeepsie, NY  
Troy, NY

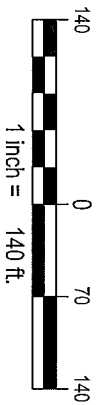
NAN - 2015 - 00172 - EML

APR 02 2015



NOTE:

1. RECONSTRUCTION OF DOCK STRUCTURE IS IN ACCORDANCE WITH NYSDEC ORDER ON CONSENT INDEX #R2-0811-13-08 AND DER-10



CLIENT

## National Grid

Paerdegat Basin  
Boat Dock Replacement  
Canarsie, New York

SHEET #

C2.0

DATE:

NOV 2014

## Overall Key Map

architects + engineers

Mohr, NY  
New City, NY  
White Plains, NY  
Albany, NY  
Parsippany, NJ  
Hawell, NJ

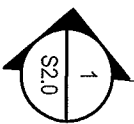
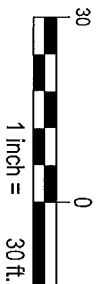
NAW-2015-00172-ENR

# LEGEND

- EXISTING STRUCTURES
- PROPOSED STRUCTURES
- SHW, MHW, MLW

## NOTE:

- EXISTING DOCK STRUCTURES TO BE RECONSTRUCTED IN KIND AND WITH MINOR CHANGE IN MARINA CONFIGURATION.
- ELEVATIONS REFER TO N.A.V.D 1988



NEW 3' X 25' FINGER DOCK (TYP. OF 7)

NEW 5' X 160' FLOATING DOCK

SHIFT 5' WIDE FLOATING DOCK  
NEW 5' WIDE FLOATING DOCK  
NEW 16' X 20' FLOATING PLATFORM

NEW 4' X 80' GANGWAY  
NEW 5' X 82' FLOATING DOCK

Landward Limit of Tidal Wetlands as Delineated on 4/29/14 by C.W. Bowman Land Use Ecological Services, Inc.

NEW FIXED DOCK

NEW 4' X 30' FINGER DOCK (TYP. OF 1)

## National Grid

Paerdegat Basin  
Boat Dock Replacement  
Canarsie, New York

## Dock Layout Plan

SHEET # C2.1  
DATE: NOV 2014

Canarsie Athletic Club

architects + engineers

Manhasset, NY  
New City, NY  
White Plains, NY  
Albany, NY  
Parsippany, NJ  
Howell, NJ

NAW - 2015 - 00172 - EM



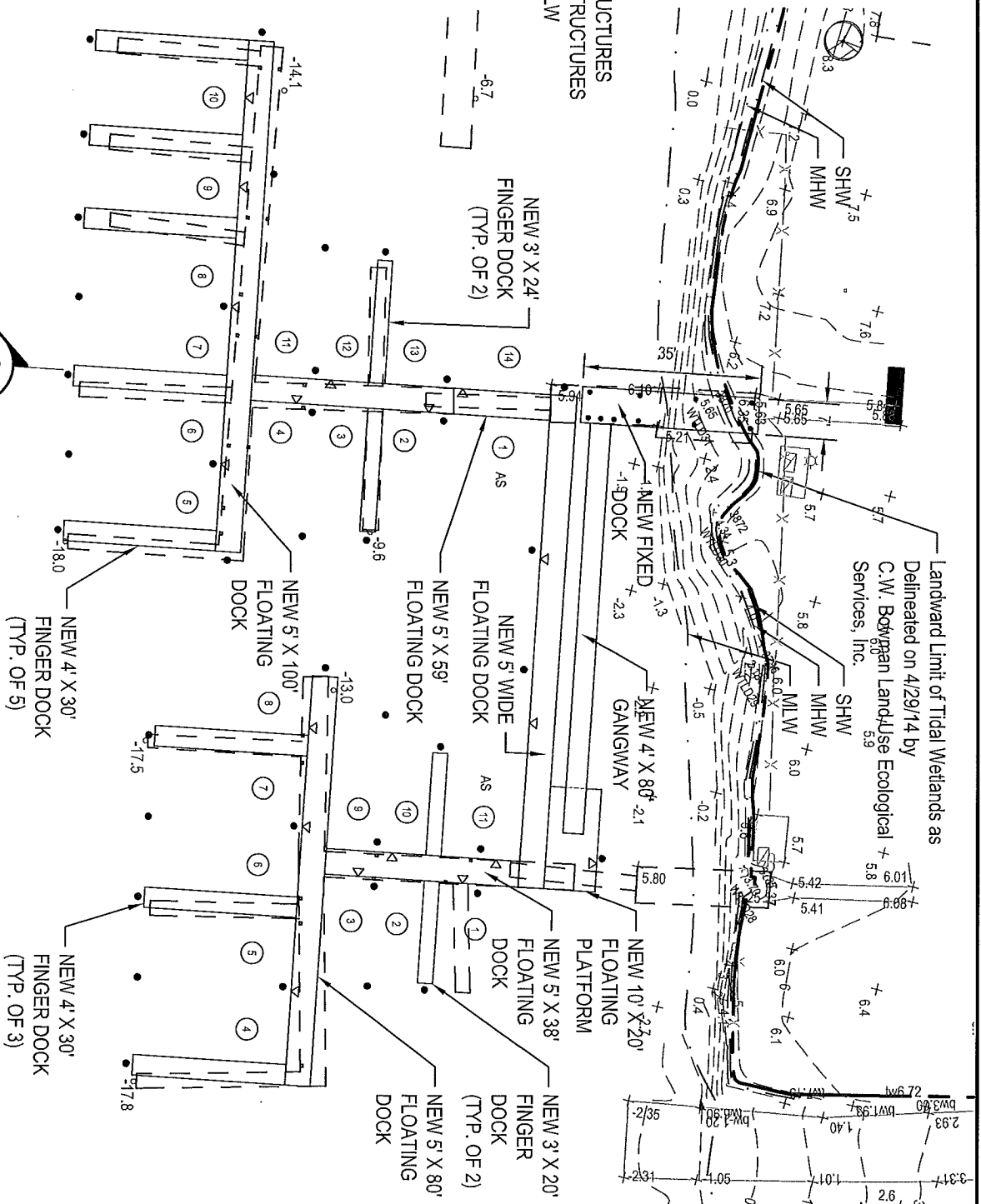
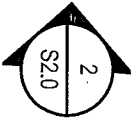
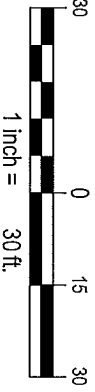
APR 02 2015

**LEGEND**

- EXISTING STRUCTURES
- PROPOSED STRUCTURES
- SHW, MHW, MLW

**NOTE:**

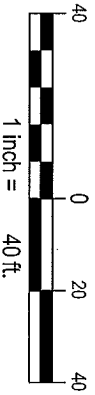
1. EXISTING DOCK STRUCTURES TO BE RECONSTRUCTED IN KIND AND WITH MINOR CHANGE IN MARINA CONFIGURATION.
2. ELEVATIONS REFER TO N.A.V.D 1988



2 2015

EXISTING STRUCTURES  
PROPOSED STRUCTURES  
SHW, MHW, MLW

1. EXISTING DOCK STRUCTURES TO BE RECONSTRUCTED IN KIND AND WITH MINOR CHANGE IN MARINA CONFIGURATION.
2. ELEVATIONS REFER TO N.A.V.D 1988



# National Grid

**Paerdegat Basin  
Boat Dock Replacement  
Canarsie, New York**

## Dock Layout Plan

## Diamond Point Club



architects + engineers

Albany, NY	Howell, NJ
Parsippany, N	
White Plains, NY	
New City, NY	
Melville, NY	

NAN-2015-00172-ENCL

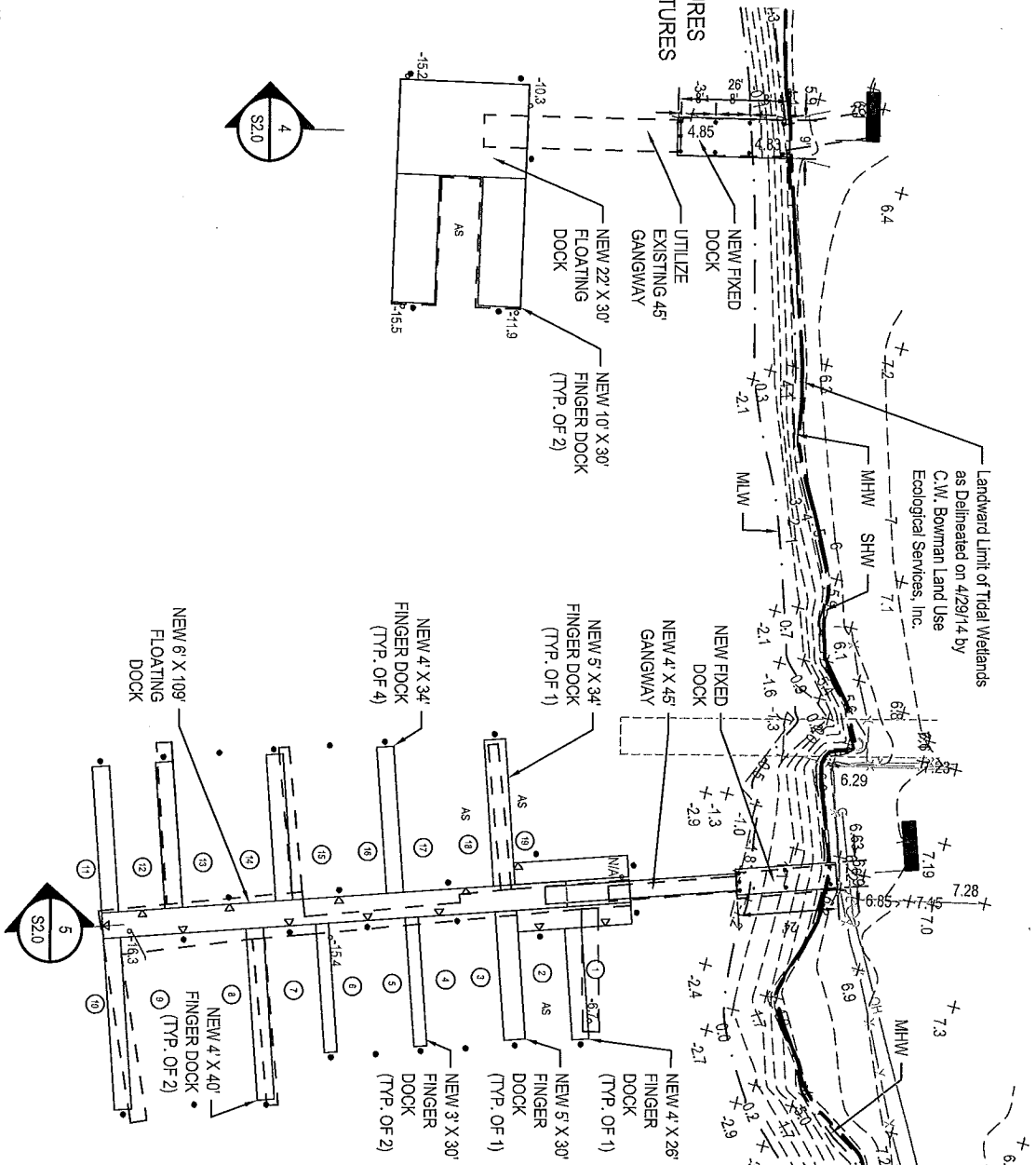
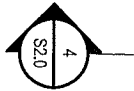
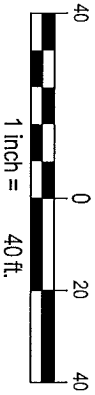
022045

## LEGEND

EXISTING STRUCTURES  
PROPOSED STRUCTURES  
SHW, MHW, MLW

**NOTE:**

1. EXISTING DOCK STRUCTURES TO BE RECONSTRUCTED IN KIND AND WITH MINOR CHANGE IN MARINA CONFIGURATION.
2. ELEVATIONS REFER TO N.A.V.D 1988



**CLIENT**

# National Grid

**Paerdegat Basin  
Boat Dock Replacement  
Canarsie, New York**

**SHEET #**  
**C2.4**

DATE: NOV 2014

## Dock Layout Plan

architects + engineers

Albany, NY  
Parsippany, NJ  
Howell, NJ

NAW-2015-00172-CHUK

2015



6-7



40 0 20 40

1 inch = 40 ft.

1. EXISTING DOCK STRUCTURES TO BE RECONSTRUCTED IN KIND AND WITH MINOR CHANGE IN MARINA CONFIGURATION.
2. ELEVATIONS REFER TO N.A.V.D 1988

**Paerdegat Basin  
Boat Dock Replacement  
Canarsie, New York**

DATE:

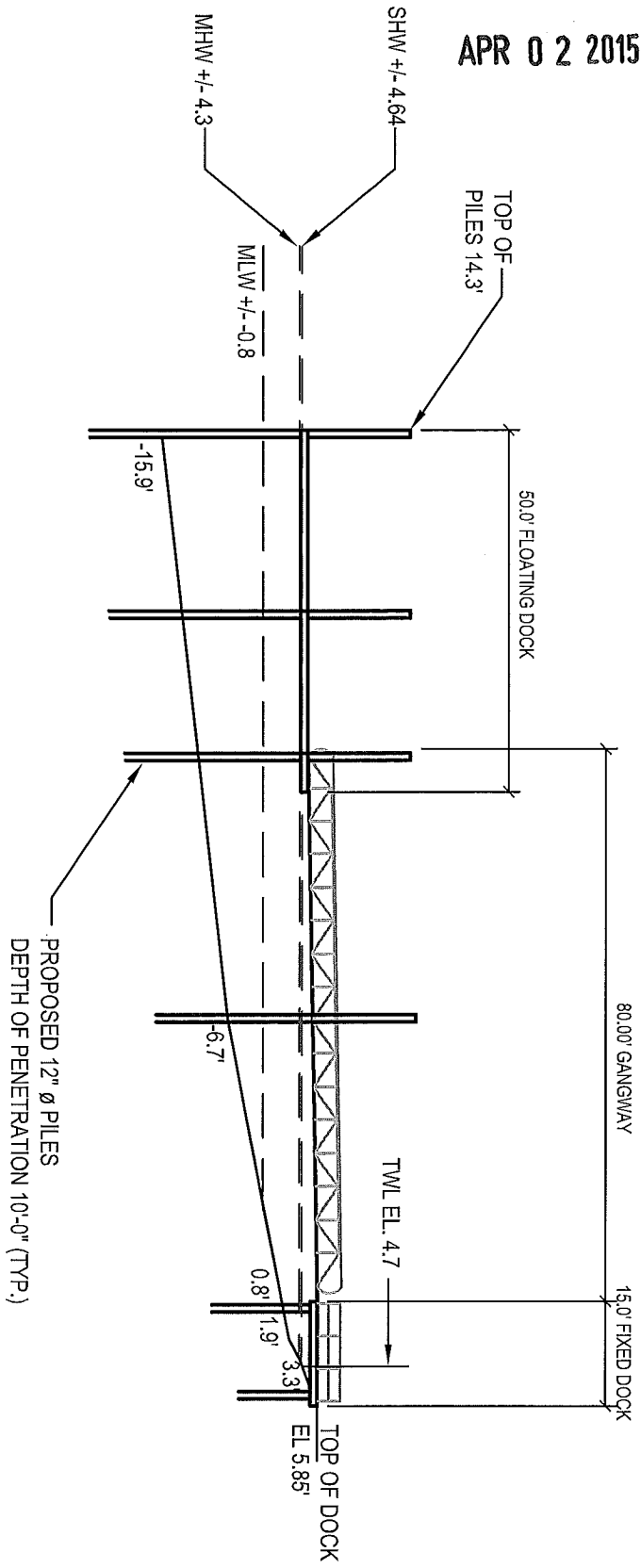
**Midget Squadron Club  
(Dock A)**

## Dock Layout Plan

Melville, NY  
New City, NY  
White Plains, NY

Albany, NY  
Parippany, NJ  
Howell, NJ

APR 02 2015



# 1 Canarsie Athletic Club Dock

SCALE: 1" = 24'

NOTE:  
ELEVATIONS REFER TO NAVD 88 DATUM

LEGEND:  
MLW MEAN LOW WATER  
MHW MEAN HIGH WATER  
SHW SPRING HIGH WATER  
TWL LANDWARD LIMIT OF TIDAL WETLANDS

CLIENT

National Grid

Paerdegat Basin  
Boat Dock Replacement  
Canarsie, New York

SHEET #  
S1.1

DATE:  
NOV 2014

Cross Section

H 2

M

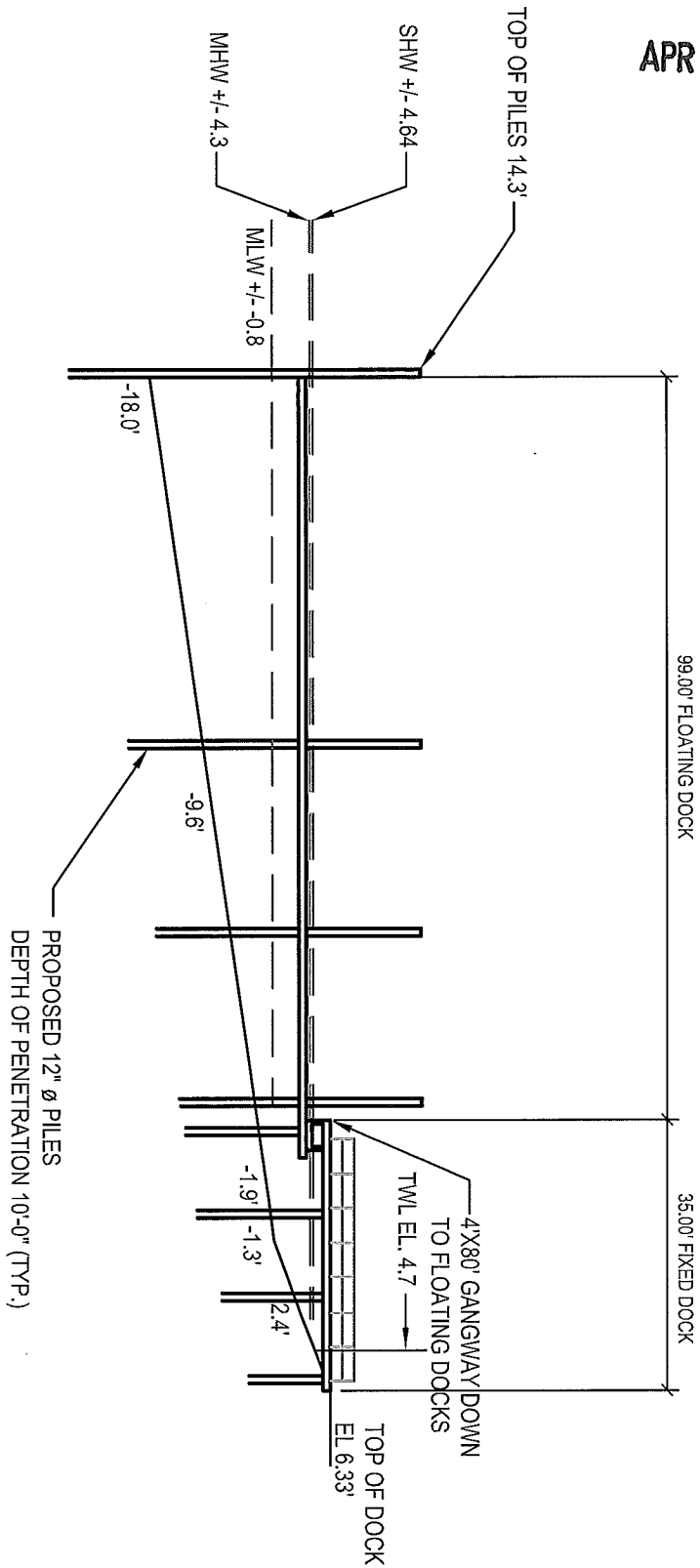
architects + engineers

Melville, NY  
New City, NY  
White Plains, NY

Albany, NY  
Poughkeepsie, NY  
Rome, NY

NAW-2015-00172-EMC

APR 02 2015



NOTE:  
ELEVATIONS REFER TO NAVD 88 DATUM

LEGEND:  
MLW MEAN LOW WATER  
MHW MEAN HIGH WATER  
SHW SPRING HIGH WATER  
TWL LANDWARD LIMIT OF TIDAL WETLANDS

## 2 Paerdegat Squadron Club Dock

SCALE: 1" = 24'

CLIENT

**National Grid**

Paerdegat Basin  
Boat Dock Replacement  
Canarsie, New York

SHEET #

**S1.2**

DATE:

**NOV 2014**

**Cross Section**

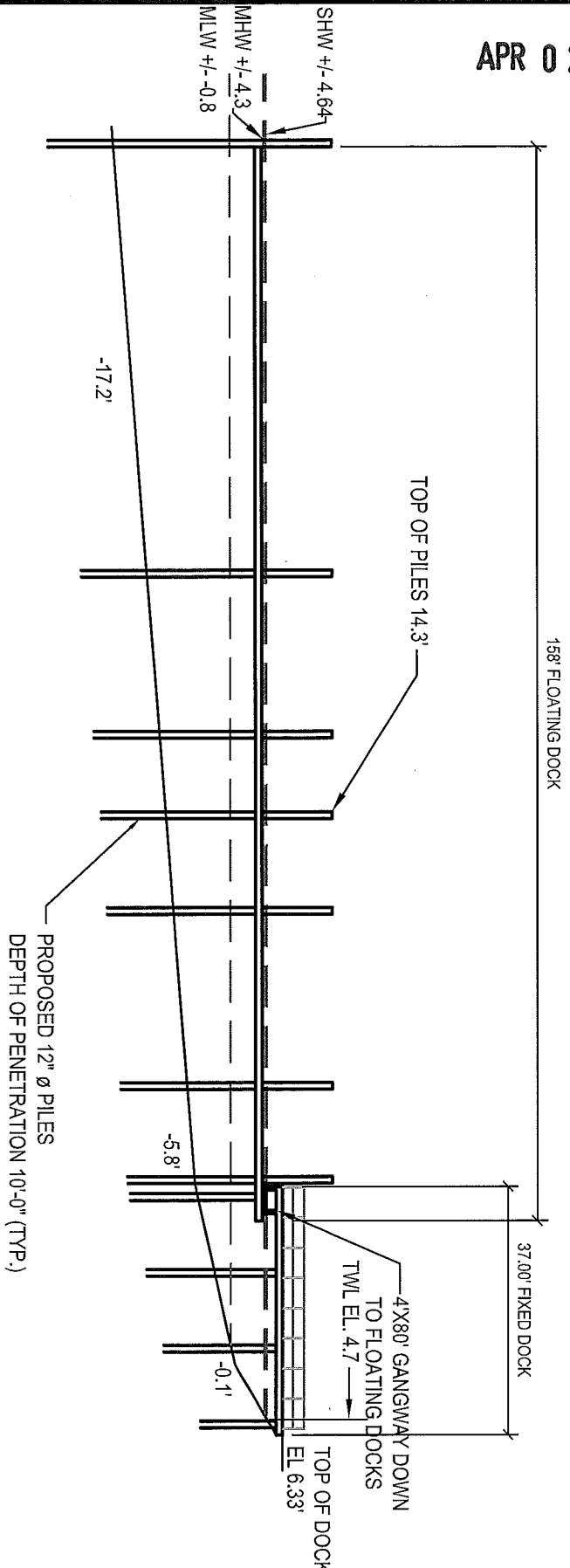
**H 2**

architects + engineers

Manhasset, NY  
New City, NY  
White Plains, NY  
Albany, NY  
Poughkeepsie, NY  
Roseton, NY

NAN - 2015 - 00172 - EMLC

APR 02 2015



NOTE:  
ELEVATIONS REFER TO NAVD 88 DATUM

LEGEND:  
MLW MEAN LOW WATER  
MHW MEAN HIGH WATER  
SHW SPRING HIGH WATER  
TWL LANDWARD LIMIT OF TIDAL WETLANDS

### 3 Diamond Point Club Dock

SCALE: 1" = 24'

CLIENT

National Grid

Paerdegat Basin  
Boat Dock Replacement  
Canarsie, New York

SHEET #

S1.3

DATE:

NOV 2014

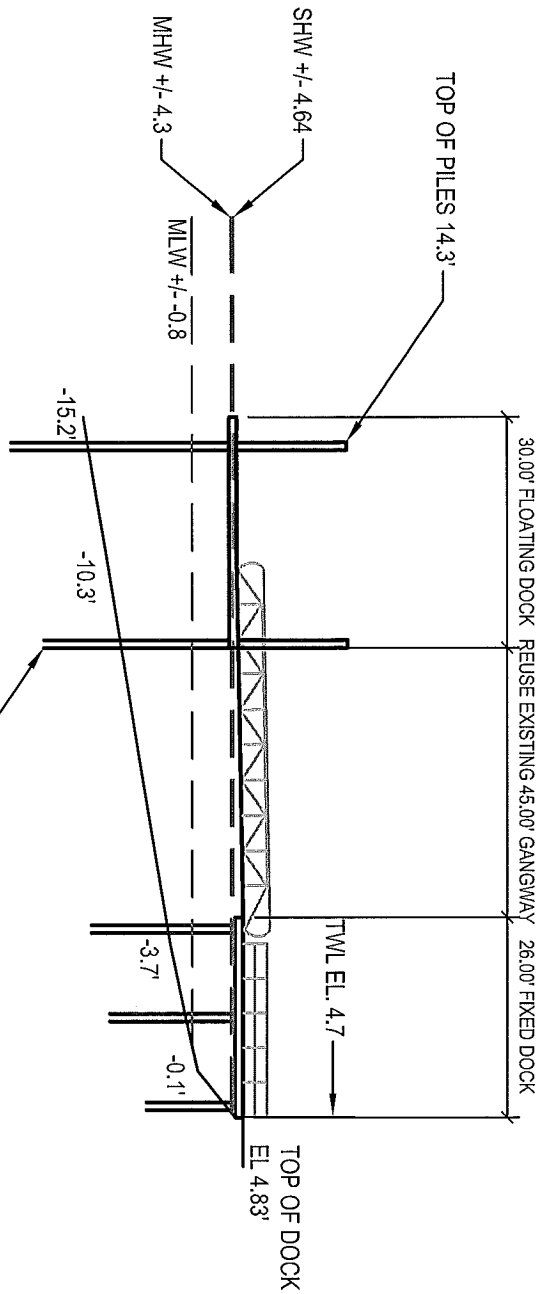
Cross Section

architects + engineers

Melville, NY  
New City, NY  
White Plains, NY  
Albany, NY  
Poughkeepsie, NY  
Roseton, NY

NAW - 2015 - 00172 - ENC

APR 02 2015



# **4 Sebago Canoe Club Dock**

SCALE: 1" = 24'

NOTE:  
ELEVATIONS REFER TO NAVD 88 DATUM

LEGEND:  
MLW MEAN LOW WATER  
MHW MEAN HIGH WATER  
SHW SPRING HIGH WATER  
TWL LANDWARD LIMIT OF TIDAL WETLANDS

CLIENT

**National Grid**

Paerdegat Basin  
Boat Dock Replacement  
Canarsie, New York

SHEET #

**S1.4**

DATE:

**NOV 2014**

**Cross Section**

**H 2**

**M**

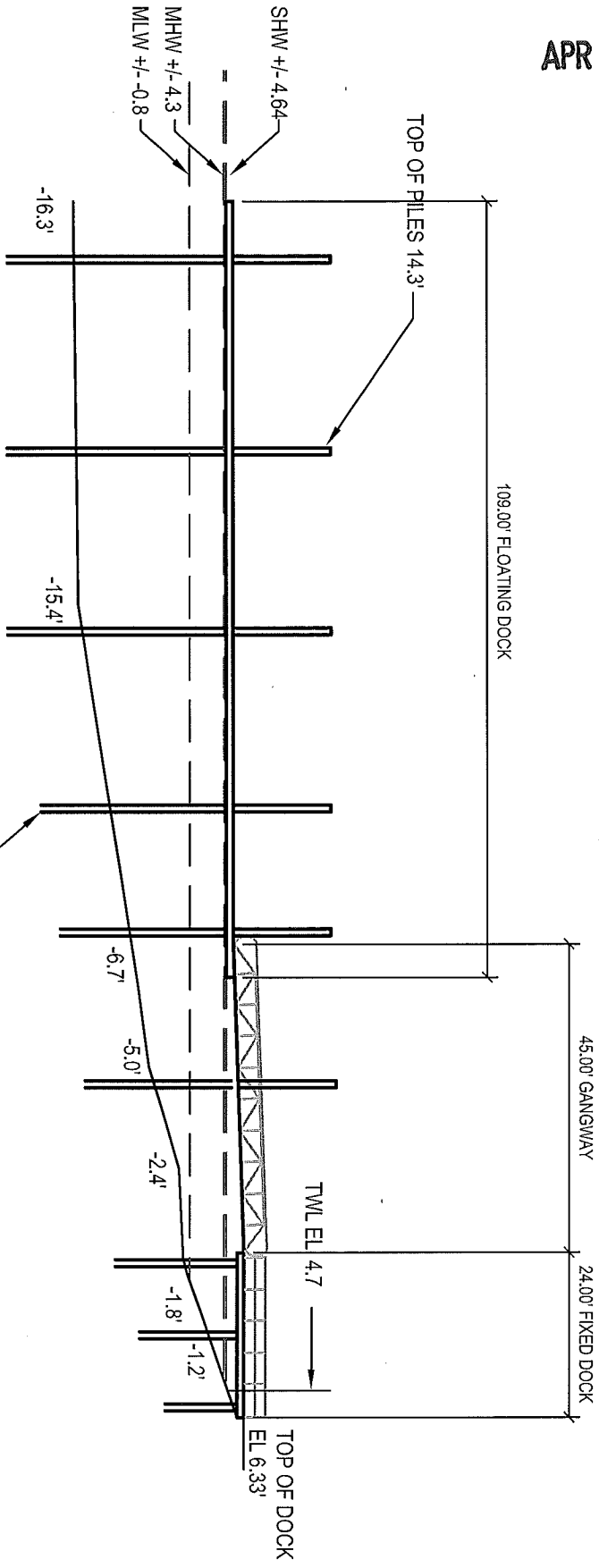
architects + engineers

Middle, NY  
New York  
White Plains, NY  
Albany, NY  
Poughkeepsie, NY  
Rochester, NY

NAN - 2015-00172-EM



APR 02 2015



5 Midget Squadron Club (Dock B)

SCALE: 1" = 24'

CLIENT

SHEET #

National Grid

S1.5

Paerdegat Basin

Boat Dock Replacement

Canarsie, New York

Cross Section

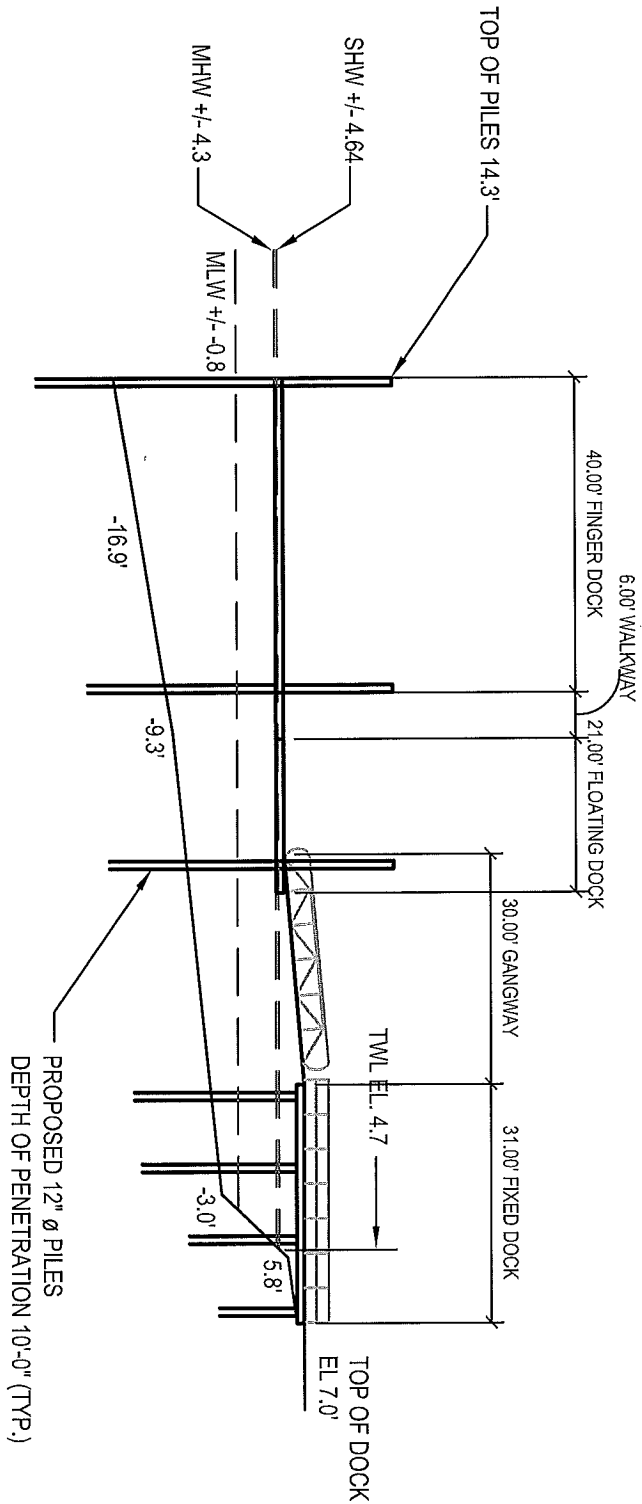
H 2 M

architects + engineers

Mashie, NY  
New York, NY  
White Plains, NY  
Albany, NY  
Poughkeepsie, NY  
Ithaca, NY

NAN - 2015 - 00172-EM

APR 02 2015



## 6 Midget Squadron Club (Dock A)

SCALE: 1" = 24'

NOTE:  
ELEVATIONS REFER TO NAVD 88 DATUM

LEGEND:  
MLW MEAN LOW WATER  
MHW MEAN HIGH WATER  
SHW SPRING HIGH WATER  
TWL LANDWARD LIMIT OF TIDAL WETLANDS

CLIENT

**National Grid**

Paerdegat Basin  
Boat Dock Replacement  
Canarsie, New York

SHEET #

**S1.6**

DATE:

**NOV 2014**

**Cross Section**

**H 2**

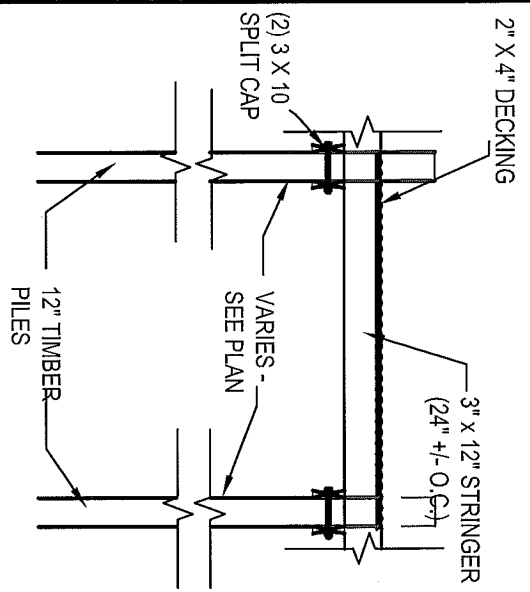
**M**

architects + engineers

Manhasset, NY  
New City, NY  
White Plains, NY  
Albany, NY  
Poughkeepsie, NY  
Troy, NY

NAN - 2015 - 00172 - ENC

APR 02 2015

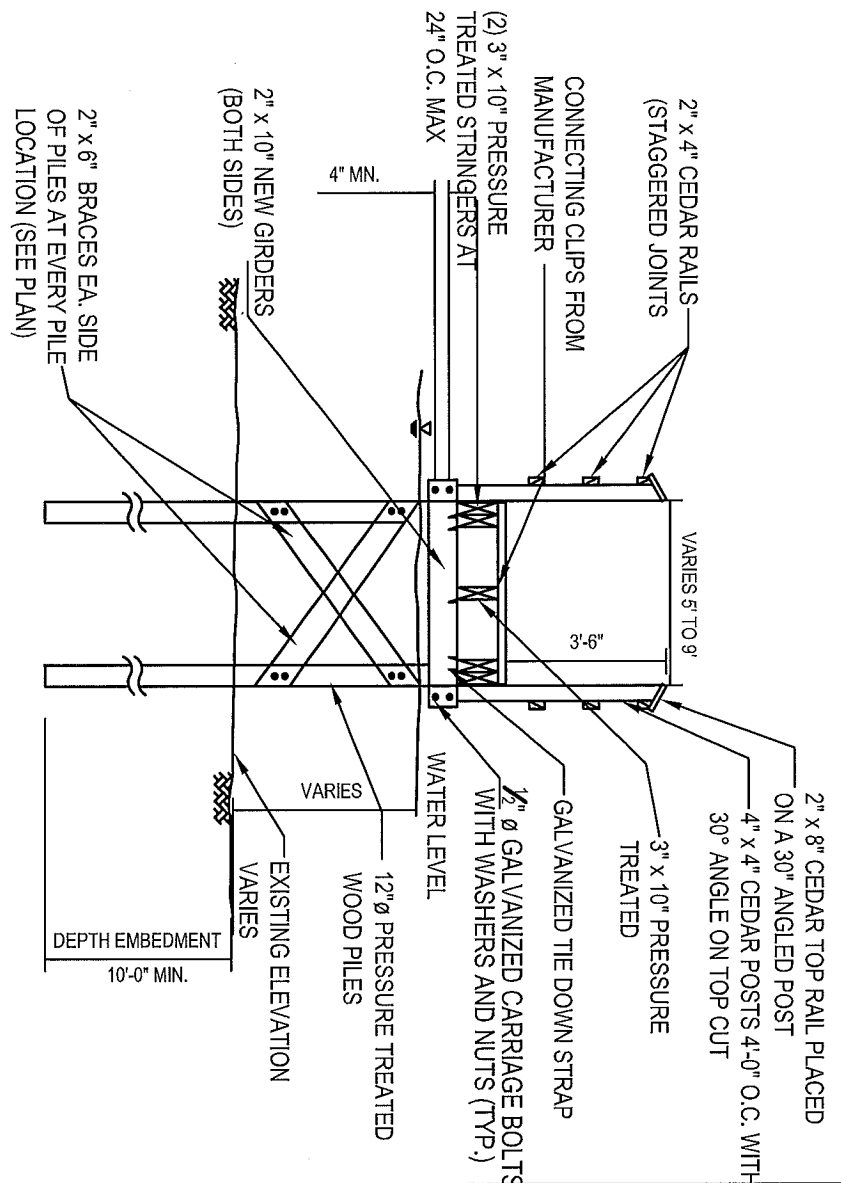


1 Fixed Dock: Side View

SCALE: NTS

NOTES:

1. 2" x 4" DECKING SHALL BE CONSTRUCTED WITH 1/4" GAPS BETWEEN EACH SPACING



2 Fixed Dock Cross Section

SCALE: NTS

CLIENT

National Grid

Paerdegat Basin

Boat Dock Replacement

Canarsie, New York

SHEET #

S2.1

DATE:

NOV 2014

Fixed Dock  
Sections

H 2

M

architects + engineers

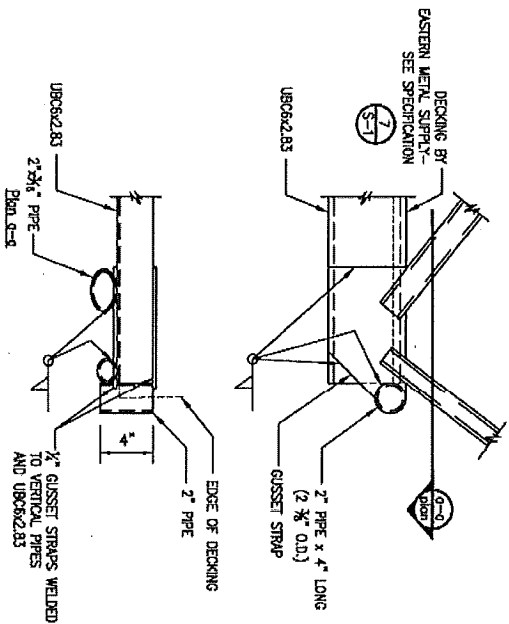
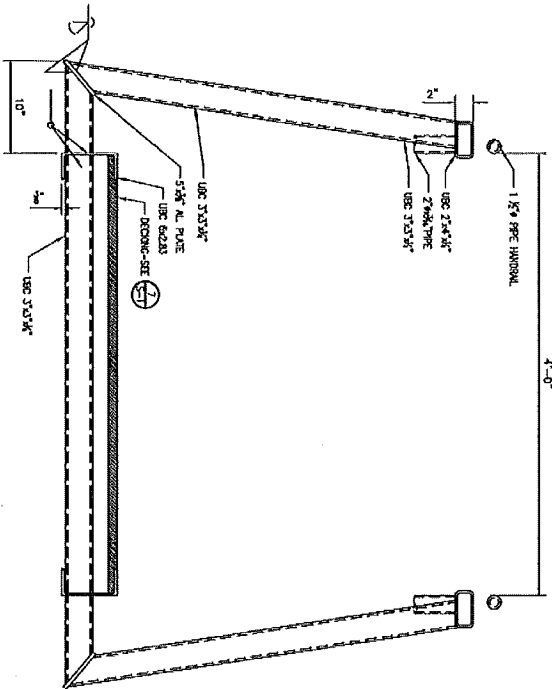
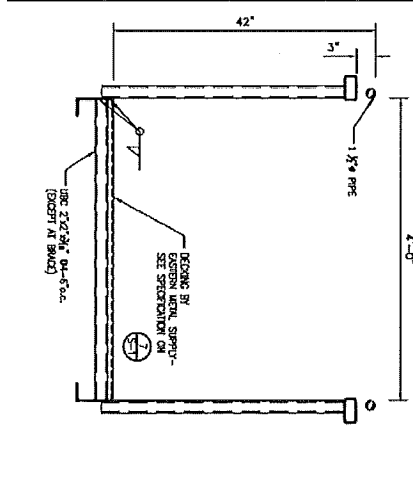
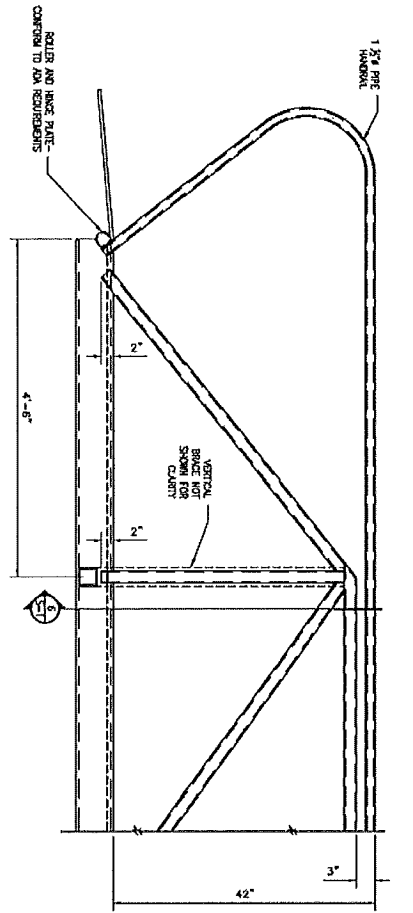
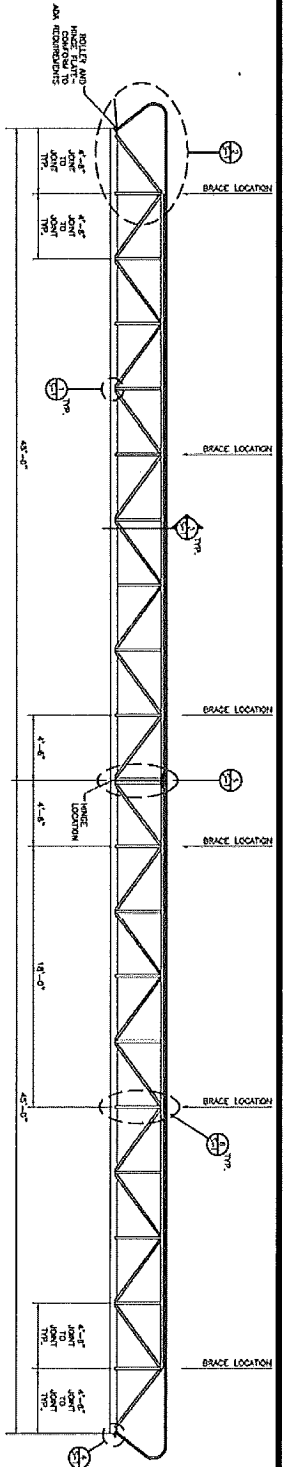
Melville, NY  
Manhasset Neck, NY  
White Plains, NY

Albany, NY  
Poughkeepsie, NY  
Rome, NY

NAN-2015-00172-001

APR 02 2015

Typical Gangway Elevation



CLIENT

# National Grid

Paerdegat Basin  
Boat Dock Replacement  
Canarsie, New York

SHEET #

S2.2

DATE:


NOV 2014

## Aluminum Gangway Details

architects + engineers

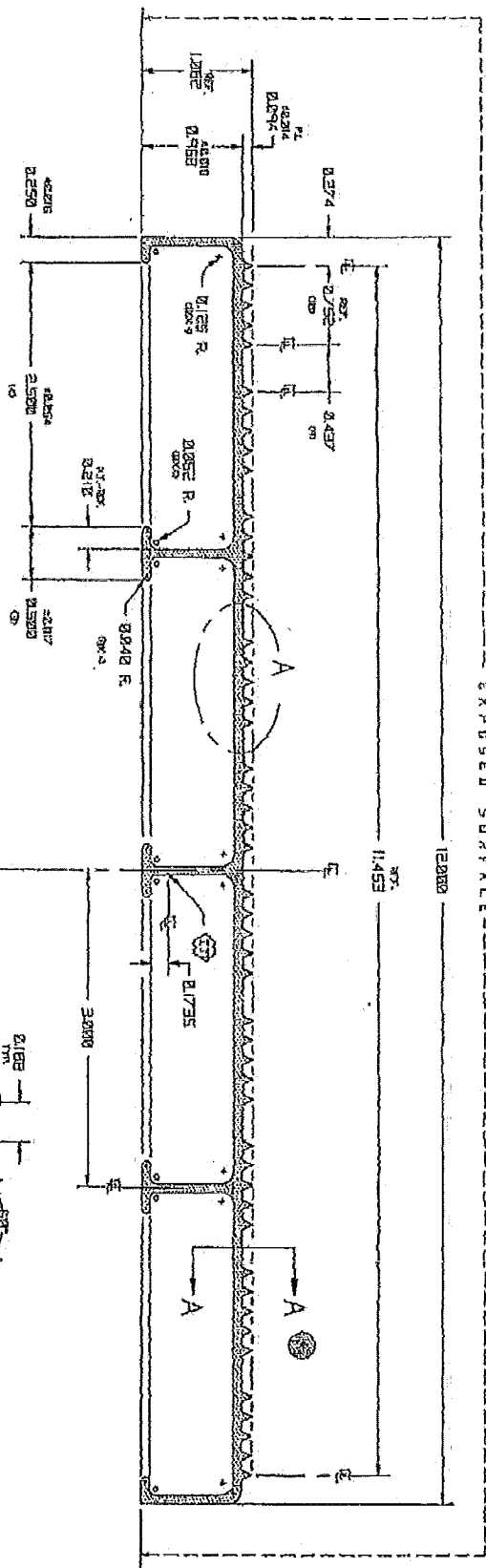
Madison, NY  
New City, NY  
White Plains, NY  
Albany, NY  
Poughkeepsie, NY  
Holland, NY

NAN-2015-00172-CM

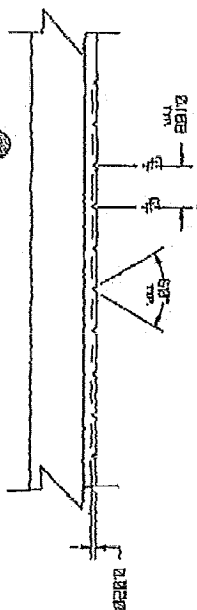
NOTES:  
1. ALLIANCE ASSOCIATION STAFFED TELEPHONES ARE  
USUALLY KEPT OPEN 24 HOURS  
2.  INDICATES  
WORK DATE.

SH410055	EASTERN METAL SUPPLY
----------	----------------------

35205 A	THE NUMBER
011229-1A	103



ACTUAL SIZE



SECTION A-A  
KNIFELINE

THESE STUDY ORDERS AT 11:20 PM

[illegible]

	REGIONS	
Area	1570	
Per-inert	41215	
Non-inert box	X1-15.002	5002
	Y1-15.005	--
	X1-20.002	227
Centrifid	Y1-20.002	
	X1-15.155	
Moments of Inertial	Y1-21.728	
Product of Inertial	X1-20.002	
Ref'd of inertial	X1-20.004	
	Y1-20.004	
Principal moments and	Y1-20.002	
X-Y directions about centroid		
I 155 axes (1200 0.001)		
I 155 axes (1200 1.200)		

DETAIL A SCALE 2X  
(12 PLACES)

## EASTERN METAL SUPPLY DECKING

## STUDY NOTES

**CLIENT**

SHEET #

# National Grid

## Paerdegat Basin Boat Dock Replacement Canarsie, New York

## S2.3

DATE:

NOV 2014

## Aluminum Gangway Details

**Contract G - General Construction**

architects + engineers

Melville, NY	Albany, NY
New City, NY	Parsippany, NJ
White Plains, NY	Howell, NJ

NAW - 2015 - 00172 - ENC

APR 02 2015

MATERIAL:

PILES:

ALL PILES SHALL BE NEW, TREATED, SOUTHERN YELLOW PINE OR DOUGLAS FIR AND SHALL CONFORM TO THE REQUIREMENTS OF ASTM D-25. PILES SHALL HAVE A MINIMUM DIAMETER OF TWELVE (12) INCHES

TIMBERS:

ALL TIMBERS SHALL BE NEW, TREATED, SOUTHERN YELLOW PINE CONFORMING TO THE REQUIREMENTS OF THE SOUTHERN PINE INSPECTION BUREAU FOR BETTER (F-1200ps) AND SHALL BE D45

TREATMENT:

THE CONDITIONS BEFORE TREATMENT, AND THE PRESERVATIVES SHALL CONFORM TO THE REQUIREMENTS OF AWPA STANDARDS C1 THE PRESERVATIVE TO BE USED SHALL BE CCA (CHROMATED COPPER ARSENATE). THE MINIMUM AMOUNT OF PRESERVATIVES RETAINED PER CUBIC FOOT SHALL BE IN CONFORMANCE WITH AWPA STANDARDS C1 AND AS FOLLOWS:

PILES NOT LESS THAN 2.5 POUNDS PER CUBIC FOOT

ALL CROSS BRACING NOT LESS THAN 1.5 POUNDS PER CUBIC FOOT

ALL BELOW DECK MEMBERS, SPLIT CAPS AND STRINGERS, NOT LESS THAN 10 POUNDS PER CUBIC FOOT  
DECKING AND RAILINGS MEMBERS, NOT LESS THAN 0.6 POUNDS PER CUBIC FOOT

BUOYANCY FLOATS:

BUOYANCY FLOATS SHALL BE STANDARD STYRA-FOAM BILLETS AS MANUFACTURED BY DOW CHEMICAL, INC. OR APPROVED EQUAL.

HARDWARE:

ALL BOLTS SHALL BE IN ACCORDANCE WITH ASTM SPECIFICATION A307. ALL WASHERS SHALL BE OVERSIZED DOCK DEPARTMENT TYPE ALL BOLTS AND WASHERS SHALL BE GALVANIZED.

ALL TWISTED TIE STRAPS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM SPECIFICATION A36 AND SHALL BE FABRICATED AS SHOWN ON THE CONTRACT DRAWING. TWISTED TIE STRAPS SHALL BE GALVANIZED AFTER FABRICATION.

GALVANIZING:

ALL METAL AND HARDWARE, I.E. TWISTED STRAPS, BOLTS, WASHERS, NAILS, ETC. SHALL BE HOT DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A153

INSTALLATION:

PILE DRIVING REQUIREMENTS:

ALL PILES SHALL HAVE A MINIMUM EMBEDMENT IN THE SAND OF TEN (10) FEET. PILES MAY BE JETTED TO THE FULL EMBEDMENT DEPTH PIER PILES SHALL BE TAPPED OFF AFTER JETTING.

PILES MAY BE RELOCATED TO AVOID ANY OBSTRUCTIONS THAT MAY BE ENCOUNTERED DURING PILE INSTALLATION THE SPACING BETWEEN PILES SHALL BE AS SHOWN ON PROJECT DRAWING.

PILE CAPACITY FOR PIER PILES SHALL BE MINIMUM OF 5 TONS AND THE CAPACITY SHALL BE DETERMINED BY DRIVING THE PILE THE LAST 5 FEET IF JETTED.

TIMBER STRINGERS:

TIMBER STRINGERS SHALL BE SET TRUE TO LINE AND GRADE AS SHOWN IN CONTRACT DRAWINGS. INTERIOR STRINGERS SHALL OVERLAP BOTH SPLIT CAPS AT ANY PILE BENT. EXTERIOR STRINGERS SHALL BE SPLICED AT THE PILE BENTS ONLY AND SHALL BE BOLTED TO AN INTERIOR 3"x10" TIMBER SCAB WHICH SHALL OVERLAP BOTH CAPS AT ANY PILE BENT.

TIMBER:

ALL TIMBER SHALL BE SET TRUE TO LINE ALL BOLT HOLES SHALL BE DRILLED TO A DIAMETER NO MORE THAN ONE-EIGHTH (1/8) INCH GREATER THAN THE BOLT DIAMETER.

DECKING AT ALL THE FIXED PIER AND FLOATS SHALL BE FASTENED TO THE STRINGERS WITH TWO (2) 16D NAILS AT EACH STRINGER/DECK PLANK INSERTION

AT FLOAT EACH TIMBER SKIRT MEMBER SHALL BE BOLTED TO A VERTICAL 4"x4" TIMBER POST IN EACH INSERTION.

CLIENT

**National Grid**

**Paerdegat Basin  
Boat Dock Replacement  
Canarsie, New York**

SHEET #

**S2.4**

DATE:

**NOV 2014**

**General Structural**

**Notes**

architects + engineers

Manhasset, NY  
New City, NY  
White Plains, NY  
Albany, NY  
Parsippany, NJ  
Hawell, NJ

NAW-2015-00172-ENC

**NATIONWIDE GENERAL PERMIT**  
**COMPLIANCE CERTIFICATION**  
**AND REPORT FORM**

Permit File Number: NAN-2015-00172-EMC

Permittee: National Grid - Paerdegat Basin

Location: 1440 Paerdegat Avenue North, Brooklyn, Kings County, New York

Date Permit Letter Issued: \_\_\_\_\_

Within 30 days of the completion of the activity authorized by this nationwide general permit and any mitigation required in the verification letter, please sign this certification and return it to the address at the bottom of this form.

Please note that your permitted activity is subject to a compliance inspection by a U.S. Army Corps of Engineers representative. If you fail to comply with the permit's terms and conditions you are subject to permit suspension, modification or revocation.

I hereby certify that the work authorized by the above referenced nationwide general permit has been completed in accordance with the terms and conditions of said permit, and required mitigation was completed in accordance with the permit conditions.

\_\_\_\_\_  
Signature of Permittee

\_\_\_\_\_  
Date

FOLD THIS FORM INTO THIRDS, WITH THE BOTTOM THIRD FACING OUTWARD.  
TAPE IT TOGETHER AND MAIL TO THE ADDRESS BELOW OR FAX (212) 264-4260.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

PLACE  
STAMP  
HERE

DEPARTMENT OF THE ARMY  
NEW YORK DISTRICT CORPS OF ENGINEERS  
JACOB K. JAVITS FEDERAL BUILDING  
ATTN: CENAN-OP-RE  
NEW YORK, NEW YORK 10278



STATE OF NEW YORK  
**DEPARTMENT OF STATE**  
ONE COMMERCE PLAZA  
99 WASHINGTON AVENUE  
ALBANY, NY 12231-0001

ANDREW M. CUOMO  
GOVERNOR

CESAR A. PERALES  
SECRETARY OF STATE

January 21, 2015

Ms. Kelly Risotto, Senior Ecologist  
Land Use Ecological Services, Inc.  
570 Expressway Drive South, Suite 2F  
Medford, New York 11763

RE: F-2014-0799  
U.S. Army Corps of Engineers/New York District Permit  
Application - National Grid (Paerdegat Basin)  
Remove and reconstruct the existing marina facilities.  
Jamaica Bay, Paerdegat Basin, C/New York, Kings County  
**General Concurrence**

Dear Ms. Risotto:

The Department of State received your Federal Consistency Assessment Form and consistency certification and supporting information for this proposal on November 24, 2014.

The Department of State has determined that this proposal meets the Department's general consistency concurrence criteria. Therefore, further review of the proposed activity by the Department of State, and the Department's concurrence with an individual consistency certification for the proposed activity, are not required.

This General Concurrence is without prejudice to and does not obviate the need to obtain all other applicable licenses, permits, other forms of authorization or approval that may be required pursuant to existing State statutes. Specifically, it appears that you may require authorization from the New York State Department of Environmental Conservation (DEC). Please contact the DEC region 3 office to determine if their authorization is required.

When communicating with us regarding this matter, please contact us at (518) 474-6000 and refer to our file #F-2014-0799.

Sincerely,

Jeffrey Zappieri  
Supervisor, Consistency Review Unit  
Office of Planning and Development

JZ/TS/dc

cc: COE/New York District – Jodi McDonald

DEC/Region 2 – John Cryan (Order on Consent #R2-0811-13-08)





NYC Parks

**City of New York Department of Parks & Recreation**

Permit to Perform Work on Park Property

Mitchell J. Silver, FAICP  
Commissioner

Thérèse Braddick  
Deputy Commissioner  
Capital Projects

The Arsenal  
Central Park  
New York, NY 10065  
[www.nyc.gov/parks](http://www.nyc.gov/parks)

Olmsted Center  
Flushing Meadows  
Corona Park  
Flushing, NY 11368

**THIS PERMIT IS  
NOT VALID  
UNLESS BOTH  
PARTIES HAVE  
SIGNED THIS  
PERMIT**

The Brooklyn Union Gas Company d/b/a National Grid NY  
Legal Department  
175 East Old Country Road  
Hicksville, NY 11801  
Attn: Joseph S. Giordano

FORESTRY PERMIT IS REQUIRED

**PERMIT TO PERFORM WORK ON PARK PROPERTY**

**Permit No:** B-40-15NF

**Start:** January 5, 2016

**Expiration:** June 30, 2016


PERMISSION AS REQUESTED IS GRANTED TO YOU AND/OR YOUR ASSIGNEE AS PERMITTEE TO PERFORM WORK ON PARK PROPERTY SUBJECT TO THE TERMS AND CONDITIONS AS SET FORTH HEREIN:

**PARK:** Paerdegat Basin Dock

**LOCATION:** 1310 Paerdegat Avenue North

**FOR THE PURPOSE OF:** Staging Area for / and the Reconstruction of the Paerdegat Basin Docks

**THIS PERMIT IS NOT VALID UNLESS BOTH PARTIES HAVE SIGNED THE LAST PAGE**

Permit No.: **B-40-15NF**  
Issued To: The Brooklyn Union Gas Company d/b/a National Grid NY  
Park Name: Paerdegat Basin Docks  
Start Date: **January 5, 2016**   
Expiration Date: June 30, 2016

This document constitutes a construction permit ("Permit") issued by the City of New York City ("City") Department of Parks & Recreation ("Parks") to The **Brooklyn Union Gas Company d/b/a National Grid NY** ("Permittee") to perform certain construction work known as the **Staging Area for / and the Reconstruction of the Paerdegat Basin Docks** from **January 5, 2016** until June 30, 2016, (the "Term"), in the location known as [name or brief description of Park] as more particularly described on the attached map (hereinafter referred to as the "Permitted Premises" and shown on Attachment A).

**1. Grant**

- A. This Permit grants Permittee a non-exclusive license to enter the Permitted Premises, subject to the terms and conditions of this Permit, for the limited purposes set forth herein. Permittee has no ownership interest in the Permitted Premises and shall have no rights with respect to the Permitted Premises except as set forth herein.
- B. This Permit authorizes the following activities (hereinafter referred to as the "Work"):
  - i. Permittee to perform the construction work described in Attachment B in the Permitted Premises during the Term, and
  - ii. Permittee to restore the Permitted Premises, along with any other Parks premises or systems affected by the Work, to its pre-Work condition or better, as directed by Parks and to Parks sole satisfaction and approval.

**2. General Prohibitions**

- A. Without separate, express written consent from Parks, Permittee is expressly prohibited from:
  - i. Occupying, using or in any way affecting Parks premises, systems or resources other than that within the Permitted Premises,
  - ii. Performing any activities within the Permitted Premises other than those described in Attachment B,
  - iii. Performing any Work or other activities pursuant to the Permit not supported by industry standards, best practices or applicable construction or material codes, and
  - iv. Using or connecting to any of Parks' utilities, including but not limited to water and electric service. Permittee must independently source its own utility service.
- B. The express prohibitions of this Paragraph 2 do not limit or modify any other terms and conditions contained in the Permit.

### 3. Notifications

Permittee shall notify the Chief of Operations for the Borough in which the Permitted Premises is situated, or the Chief's designee, at least forty-eight (48) hours before starting the Work.

Contact information for the Chief of Operations of each Borough can be accessed at:

<http://www.nycgovparks.org/about/people>

### 4. Conditions and Terms of Issuance

- A. Permittee shall strictly adhere to all City, state and federal laws, rules and regulations, including but not limited to the Rules and Regulations of Parks. Parks does not approve or authorize any work or other activities except as set forth in this Permit or its attachments.
- B. Permittee shall, at its sole cost and expense, restore and improve any City property damaged, disrupted or disturbed by the Work, or any other activities by the Permittee, whether or not such property lies within the Permitted Premises. Any such restoration and improvement is subject to the same terms and conditions as are the Work to Parks sole reasonable satisfaction and approval.
- C. Permittee shall be responsible for its contractors, subcontractors, consultants, or any other party used by Permittee in connection with the performance of the Work. Permittee's contractors and subcontractors are bound by the terms and conditions of this Permit and Permittee shall be liable for any damages caused by Permittee's contractors and subcontractors.
- D. Permittee acknowledges that all Parks utilities, systems and property within and servicing the Permitted Premises are operational prior the commencement of Work. Any action taken by Permittee that affects any Parks utility, system or property whatsoever obligates Permittee to restore such utilities, systems and property to their fully operational and improved condition as reasonable determined by Parks at Permittee's sole expense and within a time period reasonably determined by Parks.
- E. Prior to the commencement of the Work, Permittee shall take a complete and thorough set of photographs showing the existing condition of the Permitted Premises and access areas, and shall submit same to Parks' Construction Permit office. Such photographs will be used to determine the scope of restoration requirements. All Work shall be performed exclusively in the areas shown on Attachment A.

### 5. Expiration, Termination, Amendment and Extension of Permit

This Permit expires automatically on the Expiration Date and is terminable at will at the discretion of the Commissioner of Parks or their designee ("Commissioner") upon seven (7) days notice to Permittee. Extension requests must be made in writing thirty (30) days prior to the Expiration Date. Parks reserves the right to amend this Permit at any time to cover new conditions.

### 6. Coordination

- A. In the event that, during the progress of the Work, Parks authorizes parties other than the Permittee ("Authorized Others") to use the Permitted Premises, Permittee shall coordinate the Work with Authorized Others' activities and shall fully cooperate with and carefully coordinate its own Work with Authorized Others' activities as may be directed by the Commissioner. Permittee shall not commit or permit any act which will interfere with the Authorized Others' activities.
- B. If the Commissioner determines that Permittee is failing to coordinate its Work with the activities of Authorized Others as directed by Parks, then the Commissioner shall have the right to terminate the Permit and recover damages, including liquidated damages, from the Permittee until Permittee fully complies with such directions.

- C. Permittee shall notify the Commissioner in writing if any Authorized Others fail to coordinate their activities with the Permittee's Work. If the Commissioner finds such charges to be true, the Commissioner shall promptly issue directions to such Authorized Others as the situation may require. The City shall not, however, be liable for any damages suffered by Permittee for any Authorized Others' failure to coordinate their activities with the Work or by reason of the Authorized Others' failure to promptly comply with the directions so issued by the Commissioner, or by reason of any Authorized Others' default in performance, it being understood that the City does not guarantee the responsibility or continued efficiency of any party. Permittee agrees to make no claim against the City for any damages relating to or arising out of any directions issued by the Commissioner pursuant to this Paragraph 6 (including but not limited to the failure of any Authorized Others to comply or promptly comply with such directions), or the failure of the Commissioner to issue any directions, or the failure of any Authorized Others to coordinate their work, or the default in performance of any Authorized Others.

## **7. Other Agencies and Authorities**

- A. This Permit is issued for construction work on lands under the jurisdiction of Parks. Permittee shall be responsible for securing any and all other permits required to perform any of the Work.
- B. Upon the completion of the Work, Permittee shall furnish to Parks and to any other agency or authority involved in the permitting process for the Work plans of such character as may be directed, showing accurately and distinctly the location, size and type of construction, and complete dimensions of the Work erected or installed in connection with this Permit, as well as the location and dimensions of all substructures encountered during the progress of the Work.
- C. The Work shall be open at all times to the reasonable inspection of all agencies and authorities involved in the permitting process for the Work as well as all agencies with applicable oversight authority over any portion of the Work.

## **8. Forestry Requirements**

- A. Permittee shall comply with all Forestry requirements set forth in Attachment C – Forestry Permit. Permittee and Parks agree that Permittee is not required to provide, plant or replace any trees or shrubs, unless a tree or shrub is killed or damaged by Permittee or its contractors.
- B. In addition, Permittee shall:
- i. not stockpile any construction material within the dripline of trees,
  - ii. perform at its sole cost and expense compensatory pruning of trees adversely affected by the Work. Pruning shall be done by a Parks-approved, licensed arborist and as directed by Parks,
  - iii. install wooden tree guards as directed by Parks, circumvent trees by trenching outside the dripline of the trees, and
  - iv. remove all dead plant material resulting from Permittee's activities under this Permit determined by Parks, from the Permitted Premises.
- C. Tree Replacements:
- i. Permittee shall not remove any trees from the Permitted Premises other than those authorized by Attachment C.
  - ii. Any trees removed from the Permitted Premises shall be replaced in accordance with the law and as follows:
    - a) Tree replacements are to be determined on a square inch for square inch basis; i.e., the basal area calculated at a point 4'-6" above finished grade of the replacement trees must equal at least the basal surface area of the existing trees.

- b) Replacement trees must be 3"-3 1/2" caliper trees in species acceptable to Parks.
- c) All trees killed or severely damaged by Permittee shall be replaced as per the basal area replacement formula described in 8(C)(ii) above.
- D. During the term of this Permit all grass areas disturbed by Permittee shall be restored with seed in at the direction of and to the satisfaction of Parks.
- E. Plantings Guarantee. Plantings (trees, shrubs) shall be guaranteed by Permittee for a period of one year after the final inspection and acceptance by Parks. After the one year guarantee period, any tree or shrub that requires replacement (as directed by Parks) shall carry an additional six month maintenance guarantee. Replacement plantings must successfully survive the six month period or again be subject to replacement until accepted by Parks. Where Parks has determined, in its sole discretion, that vandalism is the cause for replacement, Permittee shall not be responsible for replacement during the one year guarantee period after the final acceptance or during any subsequent six month guarantee period.

#### **9. Access and Use Requirements**

- A. Permittee shall not commence the Work until all required permits and approvals have been obtained from all appropriate agencies and authorities.
- B. For any questions regarding the Permitted Premises, Permittee shall contact the Chief of Operations for the Borough in which the Permitted Premises is located.
- C. Prior to any excavation, Permittee shall, contact "One Call Users' Council, Inc." at 1-800-272-4480, to obtain information on underground utilities.
- D. Access to the Permitted Premises shall be via Parks' Roads and Paths unless otherwise approved by Parks or any other agency with jurisdiction over adjacent routes.
- E. Permittee shall maintain all areas used for access to the Permitted Premises, as well as any staging areas, in a condition acceptable to Parks.
- F. Permittee shall not permit construction debris to accumulate anywhere on the Permitted Premises and shall clean up the Permitted Premises on a regular basis during the Construction Term.
- G. Permittee shall use refuse receptacles of a capacity which has been determined by Parks to not be detrimental to the access roads and paths leading to the Permitted Premises.
- H. Permittee shall not park private vehicles on Parks' property.
- I. Emergency vehicles must always have access through the Permitted Premises.

#### **10. Maintenance and Restoration of Site**

- A. Permittee shall, at its sole cost and expense, completely replace and restore to their pre-Work conditions or better all Parks property and systems, including but not limited to planted areas, trees, shrubs, existing structures or substructures, utility lines, roads, walks and curbs, that are damaged or destroyed by Permittee, whether in or outside the Permitted Premises to Parks sole satisfaction and approval..
- B. Such replacement or restoration work must comply with all applicable laws, rules, and regulations, be completed within the deadline reasonably established by the Commissioner and be approved by Parks' Construction and Forestry Divisions. All replacement and restoration work shall be performed at the direction and to Parks sole satisfaction and approval..
- C. Upon the expiration or sooner termination of this Permit, all temporary structures, equipment and material belonging to Permittee shall be removed from the Permitted Premises.

- D. Guarantee (Other Than Plantings). All materials used to restore the Permitted Premises, subject to settlement, which remain on the Permitted Premises upon the expiration of this Permit shall be maintained and guaranteed by Permittee for a period of one year after the final inspection and acceptance by the Parks.
- E. Supervision. Permittee shall have qualified supervisory personnel present at the Permitted Premises during all phases of the restoration to ensure that Permittee adheres to all Parks' specifications.
- F. Final Inspection. Permittee shall notify Parks after the Construction Term when the Permitted Premises is ready for final inspection to certify that Permittee has restored the Permitted Premises in accordance with the terms of this Permit.
- G. Weekend or Holiday Work. All Work shall be performed in accordance with Sections 24-222 and 24-223 of the Administrative Code of the City of New York. No Work other than for emergencies or as required by the City or its appropriate agency is to be performed on Parks property on Saturdays, Sundays or Holidays, except by written permission from Parks and in compliance with all City, state and federal laws and the Parks Rules and Regulations.
- H. Safety Devices. Barricades, warning devices, signs, flags, lights, shall be provided and maintained as required to insure public safety. Permittee is responsible for the adequacy of the safety devices. Permittee shall, upon direction by Parks, vary and/or increase the safety devices installed on the Permitted Premises. Permittee shall maintain any such devices in good condition throughout the duration of this Permit.
- I. Regardless of prior existing conditions at the Permitted Premises, all Work and restoration must be performed at a level consistent with standard construction procedures for new work.

#### **11. Modifications/Choice of Laws/Venue**

- A. This Permit constitutes the whole of the agreement between the parties hereto, and no other representation made heretofore shall be binding upon the parties hereto. No modification to this Permit shall be valid unless in writing, signed by the parties hereto. Waiver of any breach or default of any provision hereof shall not be deemed a waiver of any subsequent breach of the same or other provision. This Permit shall be deemed to be executed in New York City, State of New York, regardless of the domicile of the Licensee and shall be governed by and construed in accordance with the laws of the State of New York.
- B. The parties agree that any and all claims asserted by or against the City arising under or related to this Permit shall solely be heard and determined either in the courts of the United States located in the City or in the courts of the State located in the City and County of New York. The parties shall consent to the dismissal and/or transfer of any claims asserted in any other venue or forum to the proper venue or forum. If Permittee initiates any action in breach of this Permit, Permittee shall be responsible for and shall promptly reimburse the City for any attorneys' fees incurred by the City in removing the action to a proper court consistent with this Permit.

#### **12. Liability**

- A. To the fullest extent permitted by law, Permittee shall defend, indemnify and hold the City and its officials and employees harmless against any and all claims, liabilities, settlements, damages, costs and expenses of whatever nature (including, without limitation, attorneys' fees and disbursements) arising out of or related to any of the operations in connection with this Permit, or Permittee's failure to comply with the law or any of the requirements of this Permit. Insofar as the facts or law relating to any of the foregoing would preclude the City or its officials and employees from being completely indemnified by Permittee, the City and its officials and employees shall be partially indemnified by Permittee to the fullest extent permitted by law.

- B. Copyrights and Patents: To the fullest extent of the law, Permittee shall indemnify, defend, and hold the City and its officials and employees harmless against any and all claims, liabilities, settlements, damages, costs and expenses of whatever nature ( including, without limitation, attorneys' fees and disbursements), against any of them for infringement or violation of any copyright, patent, trademark, service mark, trade dress, rights of publicity, or other intellectual or proprietary right, or any other property or personal right of any third party, in each case arising out of the use for the purpose of this Permit of any plans, designs, drawings or specifications furnished by Permittee in the performance of this Permit.
- C. These indemnification provisions shall survive the termination or expiration of this Permit. These indemnification provisions shall not be limited in any way by any other provision of this Permit.
- D. Permittee's construction and restoration activities shall be performed in such manner that the stability of the existing and adjacent areas is not disturbed. Permittee shall be responsible for any damage caused to adjacent Parks areas or appurtenances which result from performance of the Work or the Restoration Work.

### 13. Insurance

- A. Types of Insurance. From the date Permittee is required to provide Proof of Insurance pursuant to Section 13(C) below through the date of completion of all required Work, Permittee, its Contractors and Subcontractors shall maintain the following types of insurance as indicated herein (with the minimum limits and special conditions specified in Section 13(H)):
  - i. Commercial General Liability Insurance: Permittee shall maintain a Commercial General Liability ("CGL") insurance policy or policies (including umbrella or excess policies, if any) satisfying the requirements of this Section 13. This insurance shall protect the insureds from claims for property damage and/or bodily injury, including death that may arise from any of the operations under this Permit. Coverage shall be at least as broad as that provided by the most recently issued Insurance Service Office ("ISO") Form CG 0001. Such CGL insurance shall name "City of New York, together with its officials and employees," as an Additional Insured with coverage at least as broad as the most recent edition of ISO Form CG 2026. Such CGL insurance shall be primary and non-contributing to any insurance or self-insurance maintained by the City and must be "occurrence" based rather than "claims-made".
  - ii. Workers' Compensation, Employers' Liability, and Disability Benefits Insurance, Jones Act, and U.S. Longshoremen's and Harbor Workers Compensation Act: Permittee maintain, and ensure that each Contractor and Subcontractor maintain, Workers Compensation, Employers' Liability, and Disability Benefits Jones Act, and U.S. Longshoremen's and Harbor Workers Compensation Act Insurance as required by New York law.
  - iii. Comprehensive Business Automobile Liability Insurance: Permittee shall maintain Comprehensive Business Automobile Liability insurance for liability arising out of any owned, non-owned, leased and hired vehicles to be used in connection with this Permit. Coverage should be at least as broad as the most recent edition of ISO Form CA0001.
  - iv. shall maintain, or cause the Subcontractor doing such Work to maintain, Contractors Pollution Liability Insurance covering bodily injury and property damage. Such insurance shall provide coverage for actual, alleged or threatened emission, discharge, dispersal, seepage, release or escape of pollutants (including asbestos), including any loss, cost or expense incurred as a result of any cleanup of pollutants (including asbestos) or in the investigation, settlement or defense of any claim, action, or proceedings arising from the operations under this Contract. Such insurance shall be in the Contractor's name and list the City as an Additional Insured and any other entity specified in Schedule A. Coverage shall include, without limitation, (a) loss of use of damaged property or of property that has

not been physically injured, (b) transportation, and (c) non-owned disposal sites.

- v. Marine Protection and Indemnity Insurance: Permittee shall maintain, or cause the Subcontractor doing such Work to maintain, Marine Protection and Indemnity Insurance with coverage at least as broad as Form SP-23. The insurance shall provide coverage for the Permittee and for the City (together with its officials and employees) and any other entity specified herein as an Additional Insured for bodily injury and property damage arising from marine operations under this Permit. Coverage shall include, without limitation, injury or death of crew members (if not fully provided through other insurance), removal of wreck, damage to piers, wharves and other fixed or floating objects and loss of or damage to any other vessel or craft, or to property on such other vessel or craft.
- vi. Marine Pollution Liability Insurance: Permittee shall maintain, or cause the Subcontractor doing such Work to maintain, Marine Pollution Liability Insurance covering itself (or the Subcontractor doing such Work) as Named Insured and the City (together with its officials and employees) as an Additional Insured. Coverage shall be at least as broad as that provided by the latest edition of Water Quality Insurance Syndicate Form and include, without limitation, liability arising from the discharge or substantial threat of a discharge of oil, or from the release or threatened release of a hazardous substance including injury to, or economic losses resulting from, the destruction of or damage to real property, personal property or natural resources.

**B. General Requirements for Insurance Policies:**

- i. All required insurance policies shall be maintained with companies that may lawfully issue the required policy and have an A.M. Best rating of at least A- VII or a Standard and Poor's rating of at least A, unless prior written approval is obtained from the Mayor's Office of Operations.
- ii. Permittee (or its contractors) shall be solely responsible for the payment of all premiums for all required policies and all deductibles and self-insured retentions to which such policies are subject, whether or not the City is an insured under the policy.
- iii. The City's limits of coverage for CGL insurance shall be the greater of
  - a) the minimum limits set forth in Section 13(H) or
  - b) the limits provided to Permittee as Named Insured under all primary, excess and umbrella policies of that type of coverage.

**C. Proof of Insurance:**

- i. Before any Work pursuant to this Permit begins, Permittee shall, for each policy required under this Permit, except for Workers Compensation, Employers Liability and Disability Benefits Insurance, file a Certificate of Insurance with the Commissioner pursuant to 13(I).
- ii. All Certificate(s) of Insurance shall be in a form reasonably acceptable to the City and shall certify the issuance and effectiveness of the types of insurance specified in Section 13(A) and 13(H) and be accompanied by either a duly executed "Certification by Broker or Agent" in the form contained in Section 13(I) or completed copies of all policies referenced in the Certificate of Insurance. Where completed policies have not yet been issued, binders are acceptable.
- iii. Certificates of Insurance confirming renewals of insurance shall be submitted to the Commissioner prior to the expiration date of coverage of policies required under this Permit.



Such Certificates of Insurance shall comply with the requirements of this Section 13.

- iv. Permittee shall be obligated to provide the City with a copy of any policy required by this Section 13 upon the demand for such policy by the Commissioner or the New York City Law Department.

**D. Operations of Permittee:**

- i. Permittee shall not commence the Work unless and until all required certificates have been submitted to and accepted by the Commissioner. Acceptance by the Commissioner of a certificate hereunder does not excuse Permittee from securing a policy consistent with all provisions of this Section or of any liability arising from its failure to do so.
- ii. Permittee shall be responsible for providing continuous insurance coverage in the manner, form, and limits required by this Permit and shall be authorized to perform Work only during the effective period of all required coverage.
- iii. In the event that any of the required insurance policies lapse, are revoked, suspended or otherwise terminated, for whatever cause, Permittee shall immediately stop all Work, and shall not recommence the Work until authorized in writing to do so by the Commissioner.
- iv. Where notice of occurrence, accident, claim or suit is required under a policy maintained in accordance with this Section 13, Permittee shall notify in writing all insurance carriers that issued potentially responsive policies of any such event relating to any operations under this Permit (including notice to Commercial General Liability insurance carriers for events relating to Permittee's or its Contractors' employees) no later than 20 days after such event. For any policy where the City is an additional insured, such notice shall expressly specify that "this notice is being given on behalf of the City of New York as Insured as well as the Named Insured." Such notice shall also contain the following information: the number of the insurance policy, the name of the named insured, the date and location of the damage, occurrence, or accident, and the identity of the persons or things injured, damaged or lost. Permittee shall simultaneously send a copy of such notice to the City of New York c/o Insurance Claims Specialist, Affirmative Litigation Division, New York City Law Department, 100 Church Street, New York, New York 10007.

- E. Wherever reference is made in this Section 13 to documents to be sent to the Commissioner (e.g., notices, filings, or submissions), such documents shall be sent to the address set forth in Section 17.
- F. Materiality/Non-Waiver: Permittee's failure to secure policy(ies) in complete conformity with this Section, or to give the Insurance Company timely notice of any sort required in this Permit on behalf of the City, or to do anything else required by this Section 13 shall constitute a material breach of this Permit. Such breach shall not be waived or otherwise excused by any action or inaction by the City at any time.
- G. Other Remedies: Insurance coverage in the minimum amounts provided for herein shall not relieve Permittee of any liability under this Permit, nor shall it preclude the City from exercising any rights or taking such other actions as are available to it under any other provisions of this Permit or as otherwise provided by law.

**H. Insurance Schedule**

Types of Insurance	Minimum Limits and Special Conditions
Workers' Compensation, Employer's Liability, and Disability Insurance Jones Act	Per Statutory Limits as required by the laws of the State of New York

U.S. Longshoremen's and Harbor Workers Compensation Act	
Commercial General Liability	\$1,000,000 per occurrence, \$2,000,000 aggregate. <u>Additional Insureds:</u> 1) City of New York, including its officials and employees, <b>with coverage at least as broad as ISO Form CG 2026</b>
Comprehensive Business Auto Coverage	\$1,000,000 per accident
Marine Pollution Liability	\$1,000,000 per occurrence  Additional Insureds: City of New York, including its officials and employees
Contractors Pollution Liability	\$1,000,000 per occurrence \$2,000,000 aggregate Additional Insureds: City of New York, including its officials and employees
Marine Protection and Indemnity	\$1,000,000 per occurrence \$2,000,000 aggregate Additional Insureds: City of New York, including its officials and employees

#### I. Certificates of Insurance

All certificates of insurance (except certificates of insurance solely evidencing Workers' Compensation Insurance, Employer's Liability Insurance, and/or Disability Benefits Insurance) must be accompanied by one of the following:

- (1) the Certification by Insurance Broker or Agent on the following page setting forth the required information and signatures;

-- OR --

- (2) copies of all policies as certified by an authorized representative of the issuing insurance carrier that are referenced in such certificate of insurance. If any policy is not available at the time of submission, certified binders may be submitted until such time as the policy is available, at which time a certified copy of the policy shall be submitted.

*Form of Certificate appears on the following page.*

**CERTIFICATION BY INSURANCE BROKER OR AGENT**

[Name of broker or agent (typewritten)]

[Address of broker or agent (typewritten)]

[Email address of broker or agent (typewritten)]

[Phone number/Fax number of broker or agent (typewritten)]

[Signature of authorized official, broker, or agent]

[Name and title of authorized official, broker, or agent (typewritten)]

Sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_

NOTARY PUBLIC FOR THE STATE OF \_\_\_\_\_

**14. Independent Contractors, No Assignment**

The parties to this Permit shall be independent contractors, and nothing herein shall be deemed to make the parties hereto joint venturers, partners, agent/principal or otherwise. This Permit shall not be assignable without the other party's prior written consent.

**15. Investigations**

- A. The parties to this Permit shall cooperate fully and faithfully with any investigation, audit or inquiry conducted by a State of New York ("State") or City governmental agency or authority that is empowered directly or by designation to compel the attendance and to examine witnesses under oath or conducted by the Inspector General of a governmental agency that is a party in interest to the transaction, submitted bid, submitted proposal, contract, lease, permit, or license that is the subject of the investigation, audit or inquiry.
- B.
  - i. If any person who has been advised that his or her statement and any information from such statement will not be used against him or her in any subsequent criminal proceeding refuses to testify before a grand jury or other governmental agency or authority empowered directly or by designation to compel the attendance of witnesses and to examine witnesses under oath concerning the award of or performance under any transaction, agreement, lease, permit, contract or license entered into with City, State or any political subdivision or public authority thereof, or the Port Authority of New York and New Jersey, or any local development corporation within City, or any public benefit corporation organized under the laws of the State of New York; or
  - ii. If any person refuses to testify for a reason other than the assertion of his or her privilege against self incrimination in an investigation, audit or inquiry conducted by a City or State governmental agency or authority empowered directly or by designation to compel the attendance of witnesses and to take testimony under oath, or by the Inspector General of the governmental agency that is a party in interest and is seeking testimony concerning the award of or performance under any transaction, agreement, lease, permit, contract or license entered into with City, State or any political subdivision thereof or any local development corporation within the City; then
- C.
  - i. The commissioner or agency head whose agency is a party in interest to the transaction, submitted bid, submitted proposal, contract, lease, permit or license shall convene a hearing, upon not less than five days written notice to the parties involved to determine if any penalties should attach for the failure of a person to testify.
  - ii. If any non-governmental party to the hearing requests an adjournment, the commissioner or agency head who convened the hearing may, upon granting the adjournment, suspend any contract, lease, permit or license pending the final determination pursuant to paragraph (e) below with City incurring any penalty or damage for delay or otherwise.
- D. The penalties which may attach after a final determination by the commissioner or agency head may include, but not exceed:
  - i. The disqualification for a period not to exceed five years from the date of an adverse determination for any person or entity of which such person was a member at the time the testimony was sought from submitting bids for, transacting business with or entering into or obtaining any contract, lease, permit or license with or from City; and/or

- ii. The cancellation or termination of any and all such existing City contracts, leases, permits or licenses that the refusal to testify concerns and that have not been assigned as permitted under this Permit, nor the proceeds of which pledged, to an unaffiliated and unrelated institutional lender for fair value prior to the issuance of the notice scheduling the hearing, without the City incurring any penalty or damages on account of such cancellation or termination; monies lawfully due for goods delivered, work done, rentals, or fees accrued prior to the cancellation or termination shall be paid by City.
- E. The commissioner or agency head shall consider and address in reaching his or her determination and in assessing an appropriate penalty the factors in sub paragraphs (i) and (ii) below. He or she may also consider, if relevant and appropriate, the criteria established in sub-paragraphs (iii) and (iv) below in addition to any other information which may be relevant and appropriate:
- i. The party's good faith endeavors or lack thereof to cooperate fully and faithfully with any governmental investigation or audit including, but not limited to, the discipline, discharge or disassociation of any person failing to testify, the production of accurate and complete books and records and the forthcoming testimony of all other members, agents, assignees or fiduciaries whose testimony is sought.
  - ii. The relationship of the person who refused to testify to any entity that is a party to the hearing, including, but not limited to, whether the person whose testimony is sought has an ownership interest in the entity and/or the degree of authority and responsibility the person has within the entity.
  - iii. The nexus of the testimony sought to subject entity and its contracts, leases, permits or licenses with City.
  - iv. The effect a penalty may have on an unaffiliated and unrelated party or entity that has a significant interest in an entity subject to penalties under paragraph (d) above, provided that the party or entity has given actual notice to the commissioner or agency head upon the acquisition of the interest, or at the hearing called for in paragraph (c) (i) above gives notice and proves that such interest was previously acquired. Under either circumstance the party or entity must present evidence at the hearing demonstrating the potential adverse impact a penalty will have on such person or entity.
- F.
- i. The term "license" or "permit" as used herein shall be defined as a license, permit, franchise or concession not granted as a matter of right.
  - ii. The term "person" as used herein shall be defined as a natural person doing business alone or associated with another person or entity as a partner, director, officer, principal or employee.
  - iii. The term "entity" as used herein shall be defined as any firm, partnership, corporation, association or person that receives monies, benefits, licenses, leases or permits from or through City or otherwise transacts business with the City.
  - iv. The term "member" as used herein shall be defined as any person associated with another person or entity as a partner, director, officer, principal or employee.
- G. In addition to and notwithstanding any other provision of this Permit the commissioner or agency head may in his or her sole discretion, terminate this Permit upon not less than three days written notice in the event Permittee fails to promptly report in writing to the Commissioner of Investigation of the City of New York any solicitation of money, goods, requests for future employment or other benefit or thing of value, by or on behalf of any employee of the City or other person, firm, corporation or entity for any purpose which may be related to the procurement or obtaining of this Permit by the Permittee, or affecting the performance of this Permit.

**16. Submittal of As-Built Drawings Upon Completion of Work**

Permittee shall submit a complete set of record drawings showing portions of the project installed on Parks' property, to Parks. Two (2) copies of such drawings shall be delivered to:

Director of Permits

The Olmsted Center

Flushing Meadows - Corona Park

Flushing, New York 11368

Acceptable submittals of Record Drawings shall in the format currently acceptable to Parks.

The final Record Drawings shall include the following: Permittee's company name, address and telephone number, project's title, Parks Permit No., drawing date, "Record Drawings", Permittee's signature and a statement certifying that the "Record Drawings" drawings are accurate and correct.

**17. Notices**

All notices to Parks shall be sent to the following addresses:

New York City Parks & Recreation

Counsel's Office

The Arsenal

830 Fifth Avenue

New York, New York 10065

and

Director of Permits

The Olmsted Center

Flushing Meadows - Corona Park

Flushing, New York 11368

All notices to Permittee shall be sent to following address:

National Grid

Legal Department

175 East Old Country Road

Hicksville, NY 11801

Attn: Joseph S. Giordano

**18. Copyright**

Permittee warrants that it has obtained or will obtain prior to the commencement of any portion of the Work all required approvals and permissions to use any and all materials that without such permission or approval would infringe or violate the copyright, trademark, service mark, trade dress, rights of publicity, or other intellectual or proprietary right, or any other property or personal right of any third party.

**19. Safety Standards**

All installed products, materials and equipment installed must meet the reasonable safety standards of their respective industries.

**20. Abandoned Project**

If at any time during the course of the Work being performed in connection with this Permit it is determined that the Work cannot be completed due to unforeseen field conditions Permittee shall leave the area in the same or better condition the affected area was in prior to commencement of the Work, and at no cost to the City.

**21. No Cost**

All the Work performed in connection with this Permit shall be at no cost to the City or Parks.

**22. Assignment**

Permittee shall not assign, transfer, convey or otherwise dispose of this Permit or of Permittee's rights, obligations, duties, in whole or in part, in connection with this Permit, unless the prior written consent of Parks shall be obtained, which consent shall not be unreasonably withheld or delayed. Any such assignment, transfer, conveyance or other disposition without such consent shall be void.

**23. Merger**

This written Permit contains all the terms and conditions agreed upon by the parties hereto, and no other permit, agreement, oral or otherwise, regarding the subject matter of this Permit shall be deemed to exist or to bind any of the parties hereto, or to vary any of the terms contained herein.

**24. Modification**

No modification, amendment, waiver or release of any provision of this Permit or of any right, obligation, claim or cause of action arising hereunder shall be valid or binding for any purpose unless in writing and duly executed by both parties to this Permit.

**25. Protection of Property**

Permittee assumes the risk of, and shall be responsible for, any loss or damage to property of the City of New York, involved in the Work performed in connection with this Permit, and caused, either directly or indirectly, by the acts, conduct, omissions or lack of good faith of Permittee, or his or her officers, managerial personnel and employees, or any person, firm, company, agency or others engaged by the Permit as expert, consultant, specialist or subcontractor hereunder.

The rights and remedies of the City provided herein shall not be exclusive and are in addition to any other rights and remedies provided by law or by this Permit.

**26. Progress Schedule**

Prior to the commencement of any the Work to be performed under this Permit, Permittee shall provide the Parks Permit Division and Chief of Operations for the Borough in which the Site is situated with a progress schedule of the Work to be performed.

**27. Liquidated Damages**

- A. If Permittee fails to vacate the Permitted Premises or leave the Permitted Premises in the condition required by this permit by the Expiration Date, Permittee shall be liable for liquidated damages in the cash amount of \$1,000.00 per day for every calendar day or part thereof that such failure continues.
- B. Permittee acknowledges that said cash amount is reasonable in proportion to the probable damages likely to be sustained by the City for Permittee's failure to vacate the Permitted Premises by the Termination Date or leave the Permitted Premises in the condition required by the Permit.
- C. Permittee acknowledges that the amount of actual damages for the loss of use of property sustained by City in the event of such failure is incapable of precise estimation, that the payment

of such cash amount by Permittee would not result in severe economic hardship for Permittee, and that such payment does not constitute a penalty or punitive damages for any purposes.

- D. Permittee acknowledges that such liquidated damages compensate the City solely for the lost or impaired use of its property and are separate from and in addition to Permittee's liability to compensate the City for any other damages it may have caused.
- E. Such liquidated damage amounts due and unpaid by Permittee shall constitute a lien on any property owned by Permittee.
- F. This paragraph survives the Expiration Date or of this Permit or any earlier termination by Parks.

## **28. Disposal Fees**

Permittee shall cause be solely responsible for any and all disposal fees, fines, penalties and/or violations for the disposal of contaminated and/or hazardous waste at no cost to Parks, including any and all fees assessed by the New York State Department of Environmental Conservation for Work performed pursuant to this Permit, regardless of when assessed. This clause survives the expiration of this Permit.

## **29. Test Results**

The results and/or findings of any tests, which include but are not limited to tests for asbestos, lead, contaminated material and/or hazardous material, shall be used solely by Permittee for the purposes of the Work and the construction of the Site. Such results and/or findings may be disclosed only to those persons required by law and/or necessary to perform and complete the work. Permittee shall furnish a copy of the tests results to Parks within five (5) days of Permittee's receipt of same.

## **30. Publication**

Permittee shall not publicize and/or circulate promotional material regarding this Permit, or the Work without the prior written consent from Parks.

CITY OF NEW YORK / PARKS & RECREATION

Signed: \_\_\_\_\_

Daniel Grulich  
Director of Interagency Coordination/Construction Permits

**Accepted and agreed:**

THE BROOKLYN UNION GAS COMPANY D/B/A NATIONAL GRID NY

Signed: \_\_\_\_\_

By: \_\_\_\_\_

Its: \_\_\_\_\_

Dated: \_\_\_\_\_

cc: FILE/ D. Shanks-Brown, Shanks-Brown, A. Oliveri, Borough Commissioner K. Jeffery,  
M. Maher, Ullman, D. Howe,



of such cash amount by Permittee would not result in severe economic hardship for Permittee, and that such payment does not constitute a penalty or punitive damages for any purposes.

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CITY OF NEW YORK / PARKS & RECREATION

Signed:

*[Signature]*  
Daniel Grulich

Director of Interagency Coordination/Construction Permits

Accepted and agreed:

THE BROOKLYN UNION GAS COMPANY DBA A NATIONAL GRID NY

Signed:

By:

Its:

Date:

*[Signature]*  
Charles Willard  
Authorized Representative  
1/4/2016

cc FILE/ D. Shanks-Brown, Shanks-Brown, A. Oliveri, Borough Commissioner K. Jeffery,  
M. Maher, Ullman, D. Howe,



# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)  
08/05/2015

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

<b>PRODUCER</b> Marsh USA, Inc. 1166 Avenue of the Americas New York, NY 10036  102553-NG-ACORD-15-16	<b>CONTACT NAME:</b>	<b>FAX (A/C, No):</b>	
	<b>PHONE (A/C, No, Ext):</b>	<b>E-MAIL ADDRESS:</b>	
<b>INSURED</b> Brooklyn Union Gas Company One Metrotech Center Brooklyn, NY 11201	<b>INSURER(S) AFFORDING COVERAGE</b>		<b>NAIC #</b>
	INSURER A : Associated Electric & Gas Insurance Services Limited		3190004
	INSURER B : ACE American Insurance Company		22667
	INSURER C :		
	INSURER D :		
	INSURER E :		
INSURER F :			

## COVERAGES

CERTIFICATE NUMBER:

NYC-008167706-01

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
	<b>COMMERCIAL GENERAL LIABILITY</b> <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR  GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:						EACH OCCURRENCE \$ DAMAGE TO RENTED PREMISES (Ea occurrence) \$ MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ PRODUCTS - COMP/OP AGG \$ COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
	<b>AUTOMOBILE LIABILITY</b> <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS						
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> EXCESS LIAB <input type="checkbox"/> DED <input type="checkbox"/> RETENTION \$			XL5088704P	04/01/2015	04/01/2016	EACH OCCURRENCE \$ 10,000,000 AGGREGATE \$ 10,000,000
	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N N	N/A				PER STATUTE E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$
B	Excess Workers' Compensation			WCU C47871086 MA, NH, NY, RI	07/01/2015	07/01/2016	STATUTORY LIMITS X/S OF \$1,000,000 SIR

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Re: Access onto vacant property located at Paerdegat Avenue North, Brooklyn NY 11236, former Canarsie Athletic Recreation Program (CARP) property (adjacent to the Paerdegat Yacht Club). National Grid and contractors will utilize the property for project staging.

Excess liability includes the following retentions: General Liability, Automobile Liability, Pollution Liability and Employer's Liability: \$3,000,000.

The City of New York Department of Parks & Recreation is included as Additional Insured as their interest may appear, as required by written contract, subject to policy terms, conditions, and exclusions.

## CERTIFICATE HOLDER

## CANCELLATION

The City of New York  
Department of Parks & Recreation  
Attn: Denise Shanks-Brown,  
Construction Permits Department Olmsted Center  
Flushing Meadows - Corona Park  
Flushing, NY 11368

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE  
of Marsh USA Inc.

David A. Cobleigh

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# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)  
08/05/2015

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

<b>PRODUCER</b> Marsh USA, Inc. 1166 Avenue of the Americas New York, NY 10036  102553-NG-ACORD-15-16	<b>CONTACT NAME:</b>	<b>FAX (A/C, No):</b>	
	<b>PHONE (A/C, No, Ext):</b>	<b>E-MAIL ADDRESS:</b>	
<b>INSURED</b> Brooklyn Union Gas Company One Metrotech Center Brooklyn, NY 11201	<b>INSURER(S) AFFORDING COVERAGE</b>		<b>NAIC #</b>
	INSURER A : Associated Electric & Gas Insurance Services Limited		3190004
	INSURER B : ACE American Insurance Company		22667
	INSURER C :		
	INSURER D :		
	INSURER E :		
INSURER F :			

**COVERAGES**      **CERTIFICATE NUMBER:** NYC-008167706-01      **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
	<b>COMMERCIAL GENERAL LIABILITY</b> <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR  GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PROJECT <input type="checkbox"/> LOC OTHER:						EACH OCCURRENCE \$ DAMAGE TO RENTED PREMISES (Ea occurrence) \$ MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ PRODUCTS - COMP/OP AGG \$ COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
A	<b>UMBRELLA LIAB</b> <input checked="" type="checkbox"/> <b>EXCESS LIAB</b> <input checked="" type="checkbox"/> DED <input type="checkbox"/> RETENTION \$			XL5088704P	04/01/2015	04/01/2016	EACH OCCURRENCE \$ 10,000,000 AGGREGATE \$ 10,000,000
	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below						PER STATUTE <input type="checkbox"/> OTH-ER <input type="checkbox"/> E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$
B	Excess Workers' Compensation			WCU C47871086 MA, NH, NY, RI	07/01/2015	07/01/2016	STATUTORY LIMITS X/S OF \$1,000,000 SIR

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)  
Re: Access onto vacant property located at Paerdegat Avenue North, Brooklyn NY 11236, former Canarsie Athletic Recreation Program (CARP) property (adjacent the Paerdegat Yacht Club). National Grid and contractors will utilize the property for project staging.

Excess liability includes the following retentions: General Liability, Automobile Liability, Pollution Liability and Employer's Liability: \$3,000,000.

The City of New York Department of Parks & Recreation is included as Additional Insured as their interest may appear, as required by written contract, subject to policy terms, conditions, and exclusions.

## CERTIFICATE HOLDER

The City of New York  
Department of Parks & Recreation  
Attn: Denise Shanks-Brown,  
Construction Permits Department Olmsted Center  
Flushing Meadows - Corona Park  
Flushing, NY 11368

## CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE  
of Marsh USA Inc.  
David A. Cobleigh *David A. Cobleigh*

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3. **COMPLETED OPERATIONS LIABILITY:** The term "COMPLETED OPERATIONS LIABILITY" shall include BODILY INJURY and PROPERTY DAMAGE arising out of operations, or reliance upon a representation or warranty with respect thereto made at any time, but only if such BODILY INJURY or PROPERTY DAMAGE occurs after such operations have been completed or abandoned and occurs away from premises owned by or rented to the INSURED.

Operations shall include materials, parts or equipment furnished in connection therewith.

Operations shall be deemed completed at the earliest of the following:

- (1) when all operations to be performed by or on behalf of the INSURED under the contract for such operations have been completed;
- (2) when all operations to be performed by or on behalf of the INSURED at the site of the operations have been completed; or
- (3) when the portion of the operations out of which the BODILY INJURY or PROPERTY DAMAGE arises has been put to its intended use by any person or organization other than another contractor or subcontractor engaged in performing operations for a principal as part of the same project.

Operations which may require further service or maintenance work, or correction, repair or replacement because of any defect or deficiency, but which are otherwise completed shall be deemed completed.

"COMPLETED OPERATIONS LIABILITY" shall not include BODILY INJURY or PROPERTY DAMAGE arising out of:

- (1) operations in connection with the transportation of property, unless the BODILY INJURY or PROPERTY DAMAGE arises out of a condition in or on a vehicle created by the loading or unloading thereof;
- (2) the existence of tools, uninstalled equipment or abandoned or unused materials; or
- (3) the generation, transmission or distribution of electricity or steam.

4. **CONTRACT:** The term "CONTRACT" shall mean an agreement or undertaking to assume the tort liability of, for or from another for BODILY INJURY, PERSONAL INJURY or PROPERTY DAMAGE which occurs subsequent to the making of such agreement. Tort liability means a liability that would be imposed by law in the absence of any contract or agreement.

5. **FUNGUS, MOLD and SPORES:**

- a. **FUNGUS** includes but is not limited to any of the plants or organisms belonging to the major group Fungi, lacking chlorophyll, and including MOLDS, rusts, mildews, smuts and mushrooms.
- b. **MOLD(S)** includes but is not limited to any superficial growth produced on damp or decaying organic matter or on living organisms, and FUNGUS (I) that produces molds.
- c. **SPORE(S)** means any dormant or reproductive body produced by or arising or emanating out of any FUNGUS(I), MOLD(S), mildew, plants, organisms or microorganisms.

6. **INSURED:** Each of the following is an "INSURED" under this POLICY to the extent set forth below:
- a. the NAMED INSURED;
  - b. any person or organization, other than the NAMED INSURED, to such extent and for such limits of liability (subject always to the terms and Limits of Liability of this POLICY) as the NAMED INSURED has agreed in writing prior to an OCCURRENCE to provide insurance for such person or organization, except:
    - i. any organization acquired or formed by the NAMED INSURED after the inception of the POLICY PERIOD;
    - ii. to the extent that such other person or organization has assumed the liability of the INSURED under contract; or
    - iii. where such other person or organization is engaged in a JOINT VENTURE with the NAMED INSURED in which the NAMED INSURED is not the operator or managing partner;
  - c. officers, directors, stockholders and employees of the NAMED INSURED while acting within the scope of their duties as such;
  - d. if the NAMED INSURED is a partnership, the partnership and any partner thereof but only with respect to his liability as such; and
  - e. any other person while using an automobile owned, non-owned or hired by the NAMED INSURED with the permission of the NAMED INSURED provided the use thereof is within the scope of the permission granted.
7. **INSURED'S PRODUCTS:** The term "INSURED'S PRODUCTS" means goods or products, including any container thereof (other than a vehicle), manufactured, sold, handled or distributed by an INSURED or by any other person trading under its name, but "INSURED'S PRODUCTS" shall not include:
- a. a vending machine or other property rented to or located for use of others but not sold; or
  - b. gas, electricity or steam.
8. **JOINT VENTURE:** The term "JOINT VENTURE" includes, but not by way of limitation, any joint venture, co-venture, joint lease or joint operating agreement.
9. **LEAD:** The term "LEAD" shall mean;
- a. the substance commonly known as lead; and
  - b. any substance or product which has the same or substantially similar chemical formulation, structure or function as LEAD, by whatever name manufactured, formulated, structured, sold or distributed.
10. **NAMED INSURED:** The term "NAMED INSURED" means:

5. The INSURED and its underlying Insurer(s) shall, at all times, use diligence and prudence in the investigation, settlement and defense of all demands, suits or other proceedings.

#### F. APPEALS

In the event that the INSURED or the INSURED's underlying Insurer(s) elects not to appeal a judgment in excess of the UNDERLYING LIMITS, the Insurer may elect to conduct such appeal at its own cost and expense and shall be liable for the taxable court costs and disbursements and interest on judgments incidental thereto; provided, however, in no event shall the total liability of the Insurer exceed its Limits of Liability as stated in Item 4 of the Declarations, plus the cost and expense of such appeal.

#### G. BANKRUPTCY OR INSOLVENCY

Bankruptcy or insolvency of the INSURED shall not relieve the Insurer of any of its obligations hereunder.

#### H. OTHER INSURANCE

If other valid and collectible insurance with any other Insurer, whether such insurance is issued before, concurrent with, or after inception of this POLICY, is available to the INSURED covering a claim also covered by this POLICY, other than insurance that is issued specifically as insurance in excess of the insurance afforded by this POLICY, this POLICY shall be in excess of and shall not contribute with such other insurance. Nothing herein shall be construed to make this POLICY subject to the terms of such other insurance.

#### I. INSPECTION AND AUDIT

1. The Insurer shall be permitted but not obligated to inspect the NAMED INSURED's property and operations at any time. Neither the Insurer's right to make inspections nor the making thereof nor any report thereof shall constitute an undertaking, on behalf of or for the benefit of the NAMED INSURED or others to determine or warrant that such property or operations are safe or healthful, or are in compliance with any law, rule or regulation.
2. The Insurer may examine and audit the NAMED INSURED's books and records at any time during the POLICY PERIOD and extensions thereof and within three years after the final termination of this POLICY, as far as they relate to the subject matter of this insurance.

#### J. SUBROGATION

1. The Insurer shall have no right of recovery against any person or organization with respect to any OCCURRENCE to the extent that the INSURED has agreed with such person or organization before the OCCURRENCE to:
  - a. waive its right of recovery against such person or organization; or
  - b. reimburse such person or organization for the cost attributable to such person's or organization's liability for any OCCURRENCE caused in whole or in part by such person or organization.
2. In as much as this POLICY is excess insurance the INSURED's right of recovery against any person or organization cannot be exclusively subrogated to the Insurer. It is, therefore, understood and agreed that in case of any payment hereunder, the INSURER will act in concert with all other interests concerned (including the INSURED's) in the

exercise of such rights of recovery. The apportioning of any amount which may be so recovered shall follow the principle that any interest (including the INSURED's) which has paid an amount over and above any payment hereunder, shall first be reimbursed up to the amount paid by it; the Insurer is then to be reimbursed out of any balance then remaining up to the amount paid hereunder; lastly, the Interests (including the INSURED's) of which this POLICY is in excess are entitled to claim the residue, if any. Expenses necessary to the recovery of any such amounts shall be apportioned between the interests concerned (including the INSURED's) in the proportion of their respective recoveries as finally settled.

**K. CHANGES AND ASSIGNMENT**

The terms of this POLICY shall not be waived or changed, nor shall an assignment of interest under this POLICY be binding, except by an Endorsement to this POLICY issued by the Insurer.

**L. MAINTENANCE OF UNDERLYING LIMITS**

Any underlying insurance listed on the Underlying Limits Schedule shall be maintained in full force and effect, except for the exhaustion of any underlying aggregate limits of liability, during the currency of this POLICY. Failure of the NAMED INSURED to comply with the foregoing shall not invalidate this POLICY but in the event of such failure or in the event that an underlying Insurer fails to pay or becomes unable to pay because of financial impairment or insolvency or for any other reason, the Insurer shall only be liable to the same extent as it would have been had the NAMED INSURED complied with this Condition.

**M. UNCOLLECTIBILITY OF UNDERLYING INSURANCE**

Notwithstanding any of the terms of this POLICY that might be construed otherwise, the excess insurance provided by this POLICY shall be excess over the stated maximum monetary limits of any underlying insurance listed on the Underlying Limits Schedule whether collectible or not collectible for any reason including, but not limited to, uncollectibility (in whole or in part) because of the financial impairment or insolvency of an underlying Insurer. The risk of uncollectibility (in whole or in part) of such underlying insurance whether because of financial impairment or insolvency of an underlying Insurer or for any other reason, is expressly retained by the INSURED and is not in any way or under any circumstances insured or assumed by the Insurer.

**N. CURRENCY**

Premium and claims hereunder are payable in United States Dollars.

**O. SOLE AGENT**

The NAMED INSURED first named in Item 1 of the Declarations shall be deemed the sole agent of each INSURED hereunder for the purpose of issuing instructions for any alteration of this POLICY, making premium payments and adjustments, receipting payments of indemnity or receiving notices including notice of cancellation from the Insurer.

**P. ECONOMIC OR TRADE SANCTIONS CONDITION**

If coverage for a claim or suit under this POLICY is in violation of any United States of America economic or trade sanctions, including but not limited to, sanctions administered and enforced by the United States Treasury Department's Office of Foreign Assets Control (OFAC), the coverage for that claim or suit will be null and void.

**Q. CANCELLATION**

This POLICY may be cancelled:

1. at any time by the NAMED INSURED by mailing written notice to the Insurer stating when thereafter cancellation shall be effective; or
2. at any time by the Insurer for non-payment of premiums, in which event such cancellation shall become effective ten (10) days after the notice was mailed.

In the event of cancellation by the Insurer, the premium retained by the Insurer shall be calculated on a pro-rata basis.

In the event of cancellation by the NAMED INSURED, the premium retained by the Insurer shall be calculated in accordance with the Insurer's short rate table which shall be made available to the INSURED upon request. However, in the event of cancellation by the INSURED on the basis of an INSURER DOWNGRADE EVENT, the premium retained by the Insurer shall be calculated pro-rata based on the time this POLICY was in force.

INSURER DOWNGRADE EVENT means downgrade of Insurer's claims paying ability:

- a. as rated by Standard & Poor's to less than A-, or
- b. as rated by AM Best to B+ or lower, or

If rated by both Standard & Poor's and AM Best, then both requirements as above are required.

Proof of mailing of notice to the respective addresses in Items 6 and 7 of the Declarations shall be sufficient proof of notice and the POLICY PERIOD shall end on the effective date and hour of cancellation stated in the notice. Delivery of such notice either by the NAMED INSURED or the Insurer shall be equivalent to mailing.

#### R. DISPUTE RESOLUTION AND SERVICE OF SUIT

Any controversy or dispute arising out of or relating to this POLICY, or the breach, termination or validity thereof, shall be resolved in accordance with the procedures specified in this Condition R., which shall be the sole and exclusive procedures for the resolution of any such controversy or dispute.

1. **Negotiation.** The INSURED and the Insurer shall attempt in good faith to promptly resolve any controversy or dispute arising out of or relating to this POLICY by negotiations between executives who have authority to settle the controversy. Any party may give the other party written notice of any dispute not resolved in the normal course of business. Within fifteen (15) days the receiving party shall submit to the other a written response. The notice and the response shall include: (a) a statement of each party's position and a summary of arguments supporting that position; and (b) the name and title of the executive who will represent that party and of any other person who will accompany the executive. Within thirty (30) days after delivery of the disputing party's notice, the executives of both parties shall meet at a mutually acceptable time and place, and thereafter as often as they reasonably deem necessary, to attempt to resolve the dispute. All reasonable requests for information made by one party to the other will be honored. If the matter has not been resolved within sixty (60) days of the disputing party's notice, or if the parties fail to meet within thirty (30) days, either party may initiate mediation of the controversy or claim as provided hereinafter.

All negotiations pursuant to this clause will be kept confidential and shall be treated as compromise and settlement negotiations for purposes of the Federal Rules of Evidence and state rules of evidence.



# CERTIFICATION BY BROKER

The undersigned insurance broker represents to the City of New York that the attached Certificate of Insurance is accurate in all material respects as of the date the Certificate of Insurance was issued, and that the described insurance is effective as of the date of this Certification, subject to the limitations, qualifications and other conditions set forth in the attached Certificate of Insurance.

MARSH USA INC.

[Name of broker (typewritten)]

1166 AVENUE OF THE AMERICAS, NEW YORK, NY

[Address of broker (typewritten)]



[Signature of authorized official or broker]

QUETZLY RIVERA

[Name of authorized official or broker  
(typewritten)]

Sworn to before me this 15 day of August

  
\_\_\_\_\_  
Notary Public

JOHN A. WHYTE  
Notary Public, State of New York  
No. 5287339  
Qualified in Richmond County  
Commission Expires Nov. 10, 2017

# CERTIFICATION BY BROKER

The undersigned insurance broker represents to the City of New York that the attached Certificate of Insurance is accurate in all material respects as of the date the Certificate of Insurance was issued, and that the described insurance is effective as of the date of this Certification, subject to the limitations, qualifications and other conditions set forth in the attached Certificate of Insurance.

MARSH USA INC.

[Name of broker (typewritten)]

1166 AVENUE OF THE AMERICAS, NEW YORK, NY

[Address of broker (typewritten)]



[Signature of authorized official or broker]

QUETZEY RIVERA

[Name of authorized official or broker  
(typewritten)]

Sworn to before me this 5 day of August

  
\_\_\_\_\_  
Notary Public

JOHN A. WHYTE  
Notary Public, State of New York  
No. 80878398  
Qualified in Richmond County  
Commission Expires Nov. 10, 2017



# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YY)

1/5/2016

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

**PRODUCER****FRENKEL & COMPANY**

350 Hudson Street

4<sup>th</sup> Floor

New York, NY 10014

Phone No.(212)-488-0200

Fax No.(212)-488-0421

**CONTACT**

NAME: Joseph Bandieramonte

PHONE (A/C, No, Ext): 212-488-1852

E-MAIL: jbandieramonte@frenkel.com

ADDRESS: jbandieramonte@frenkel.com

**FAX**

(A/C, No): 212-488-0421

**INSURERS AFFORDING COVERAGE****NAIC #****INSURED:****J.T. Cleary, Inc.**

100 Red Schoolhouse Road

Chestnut Ridge, NY 10977

**INSURER A:** Atlantic Specialty Insurance Company

27154

**INSURER B:** Travelers Property Casualty Co.

36161

**INSURER C:** New York State Insurance Fund

N/A

**INSURER D:** Water Quality Insurance Syndicate**INSURER E:** Illinois Union Insurance Company

27960

**INSURER F:****INSURER G:****COVERAGES****CERTIFICATE NUMBER:****REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> <b>COMMERCIAL GENERAL LIABILITY</b> <input type="checkbox"/> CLAIMS MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> Completed Operations Broad Form <input type="checkbox"/> Contractual Liability GEN'L AGGREGATE LIMIT APPLIES PER <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	B5JH02573	07/19/2015	07/19/2016	EACH OCCURRENCE \$ 1,000,000 DAMAGES TO RENTED PREMISES (Ea Occurrence) \$ 50,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 1,000,000 COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
A	<b>AUTOMOBILE LIABILITY</b> <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> NON-OWNED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> <input type="checkbox"/> UMBRELLA LIAB <input type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS MADE <input type="checkbox"/> DED <input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	753023220	07/19/2015	07/19/2016	EACH OCCURRENCE \$ AGGREGATE \$
B	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? NO (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below: Includes USL&H	N/A	<input type="checkbox"/>	6JUB5000P07215 NJ W13375084 NY	03/17/15 10/15/15	03/17/16 10/15/16	<input checked="" type="checkbox"/> PER STATUTE LIMITS <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
E	<b>CONTRACTORS POLLUTION LIABILITY</b>	X	X	PPLG27644533001	07/19/2015	07/19/2016	Limit: \$1,000,000
A	<b>PROTECTION &amp; INDEMNITY</b> (Includes Crew, Excess Collision & Towers Liability)	X	X	B5JH03034	07/19/2015	07/19/2016	Limit: \$1,000,000
D	<b>VESSEL POLLUTION LIABILITY</b>	X	X	48-27062	07/19/2015	07/19/2016	Limit: \$1,000,000

**DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)**

Re: Permit No: B-40-15NF Park: Paerdegat Basin Dock Location: 1310 Paerdegat Avenue North

Commercial General Liability, Marine Pollution Liability, Contractors Pollution Liability and Marine Protection and Indemnity policies include City of New York, together with its officials and employees, as an Additional Insured and all policies grant a waiver of subrogation and are primary and noncontributory as required by written contract.

**CERTIFICATE HOLDER****CANCELLATION**

The Brooklyn Union Gas Company d/b/a National Grid NY  
Legal Department  
175 East Old Country Road  
Hicksville, NY 11801

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.  
AUTHORIZED REPRESENTATIVE

### CERTIFICATION BY BROKER

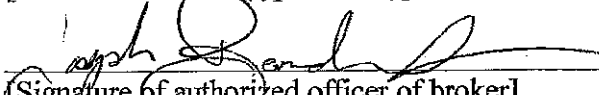
The undersigned insurance broker or agent represents to the City of New York that the attached Certificate of Insurance is accurate in all material respects.

Frenkel & Company

[Name of broker (typewritten)]

350 Hudson Street, 4<sup>th</sup> Floor, New York, NY 10014

[Address of broker (typewritten)]

  
[Signature of authorized officer of broker]

Joseph Bandieramonte

[Name of authorized officer (typewritten)]

Account Executive

[Title of authorized officer (typewritten)]

212-488-1852

[Contact Phone Number for Broker (typewritten)]

jbandieramonte@frenkel.com

[Email Address of Broker (typewritten)]

Sworn to before me this

5<sup>th</sup> day of January, 2016

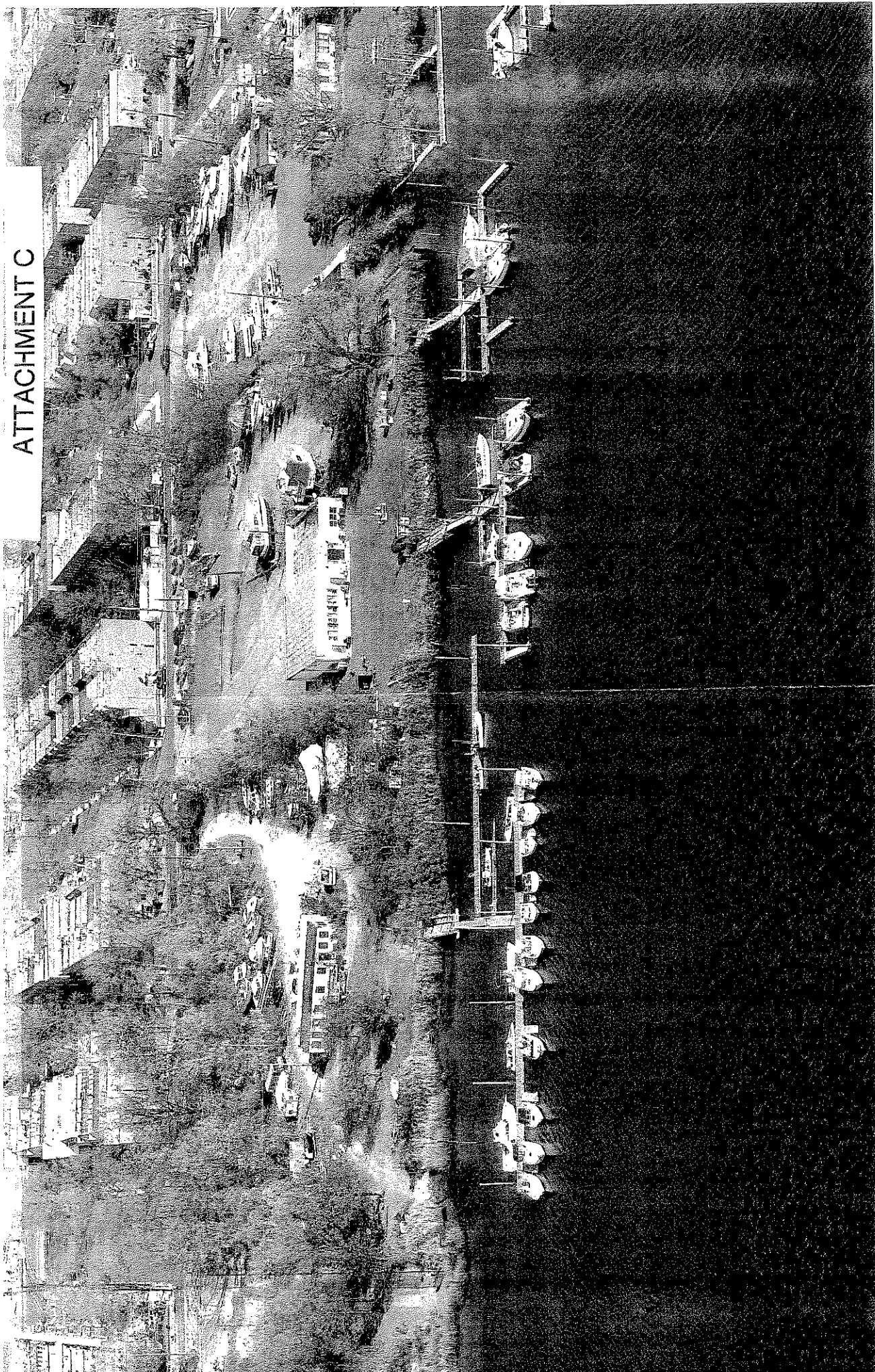
  
[Signature of Notary Public]

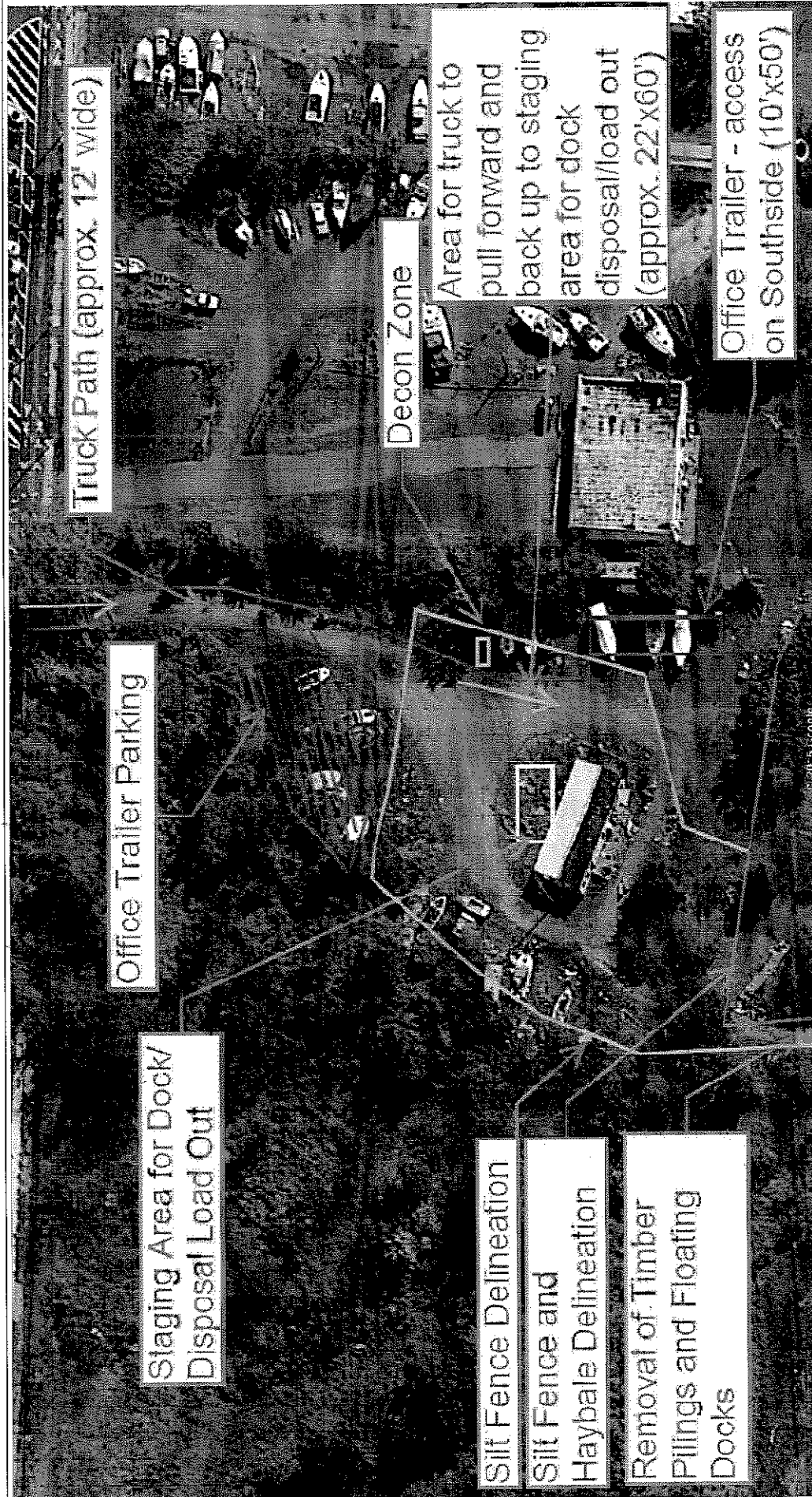
NOTARY PUBLIC

**EILEEN RISI**  
Notary Public, State of New York  
No. 01RI6167981  
Qualified in Nassau County  
Commission Expires June 4, 2019

## SCHEDULE A

ATTACHMENT C





J.T. Cleary Inc.  
100 Red Schoolhouse Rd. Suite A-12  
Chestnut Ridge, NY 10977

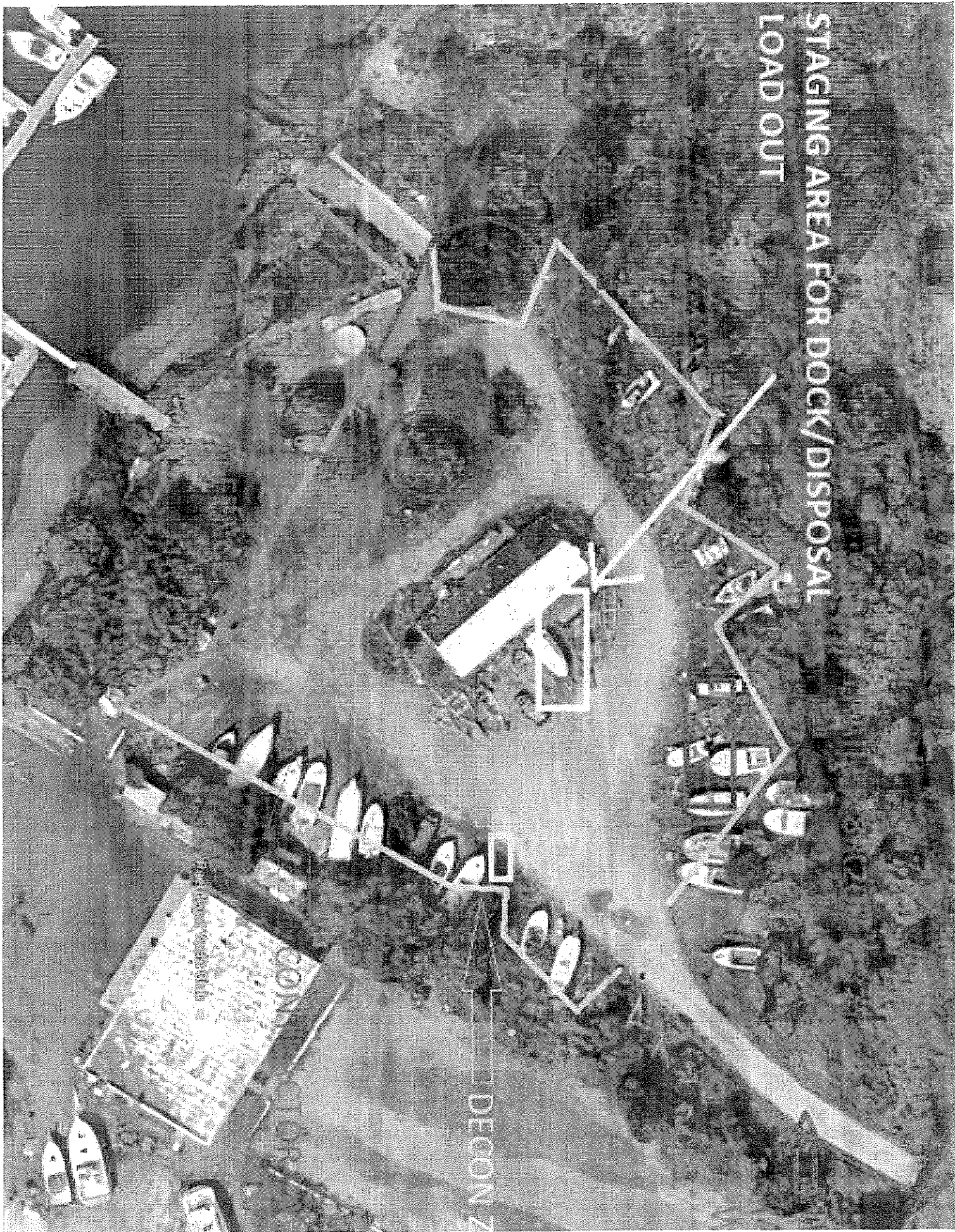
National Grid - Paerdegat Basin  
Canarsie Layout

Size	Fscm No.	Dwg No.	Rev.
11x17		SK-01 - Canarsie Layout	0

Scale: NTS Date: September 28, 2015 Sheet: 1 of 2

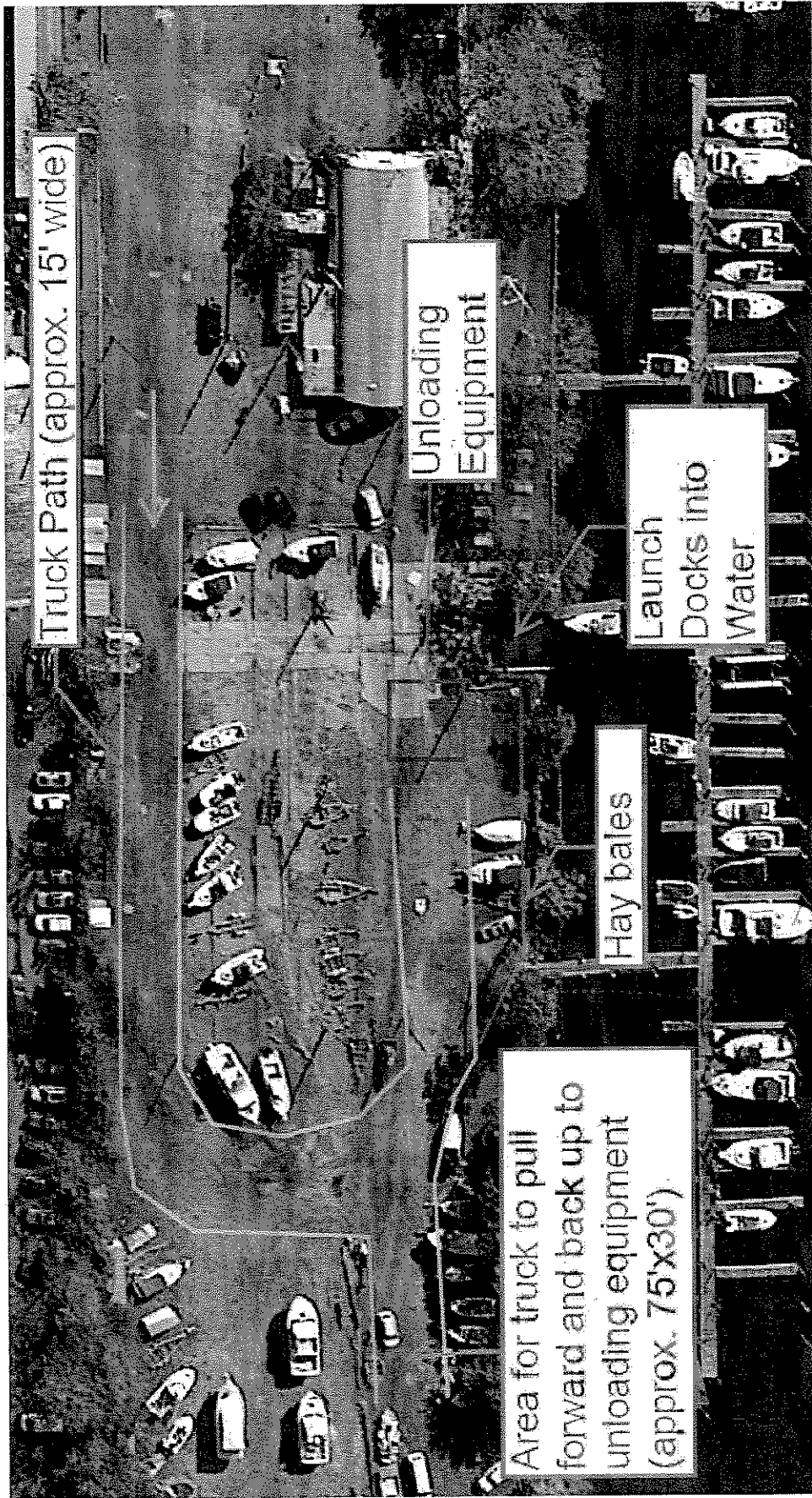


STAGING AREA FOR DOCK/DISPOSAL  
LOAD OUT



DECON Z



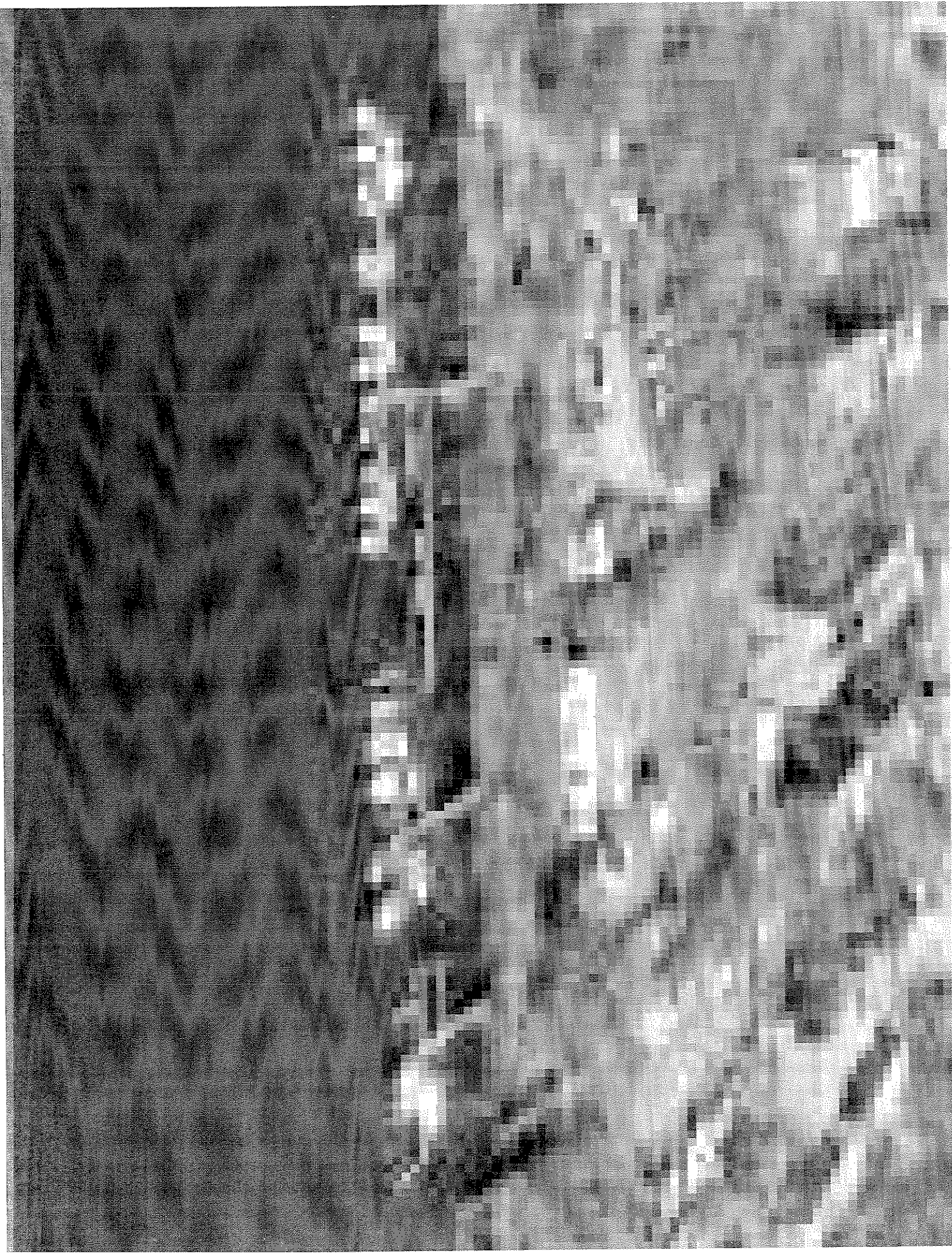


J.T. Cleary Inc.  
100 Red Schothouse Rd. Suite A-12  
Chestnut Ridge, NY 10977

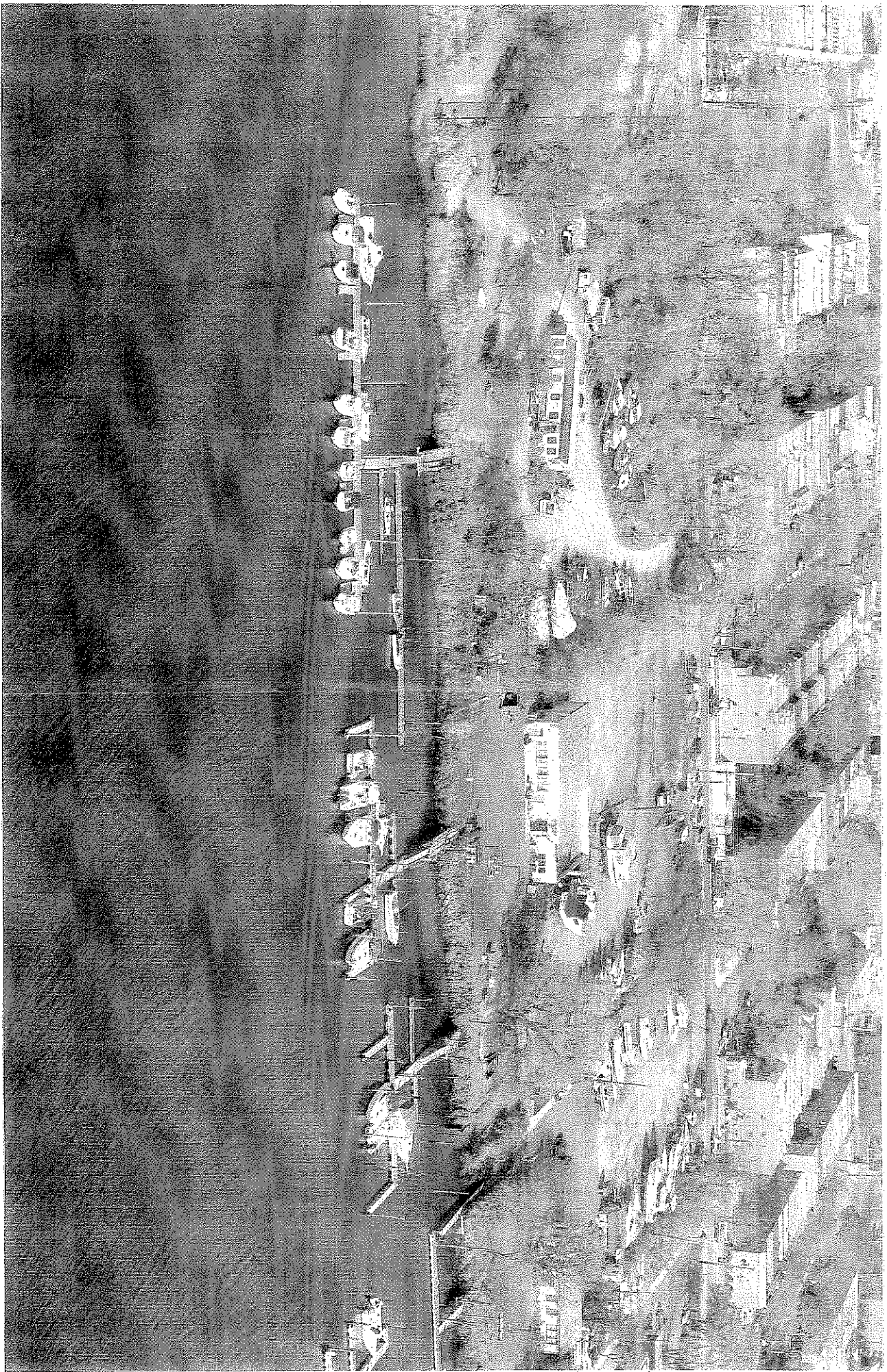
# National Grid - Paerdegat Basin Midget Squadron Layout

Size	Form No.	Dwg No.	Rev.
11x17		SK-02 - Midget Squad Layout	0

Scale: NTS Date: September 28, 2015 Sheet: 2 of 2









**C1.0**



## **SCHEDULE B**

August 6, 2015

Ms. Denise Shanks-Brown  
Construction Permits Department  
City of New York Parks & Recreation  
Capital Projects  
Olmstead Center  
Flushing Meadows-Corona Park  
Flushing, New York 11368

**Re: Request for Permit to Perform Work on Park Property  
1310 Paerdegat Avenue North  
Reconstruction of the Paerdegat Basin Dock**

Dear Ms. Shanks-Brown:

I am writing in response to your Facsimile Memorandum (copy attached). The responses to the memorandum are as follows:

- 1) The scope of work is the replacement of floating docks as per plans filed herewith. National Grid is requesting permission to utilize the property located at 1310 Paerdegat Ave. North as a staging area for the larger project throughout Paerdegat Basin. See Attachment A.
- 2) The lead contact personnel for this project are listed below. In summary, National Grid is completing this work under an approved scope of work from the New York State Department of Environmental Conservation (NYSDEC) on NYC Parks Property and JT Cleary is National Grid's contractor. H2M Engineers have been retained by National Grid to design and oversee the removal and construction of the new docks.

William J. Ryan  
National Grid  
Project Manager  
Site Investigation and Remediation Department  
175 East Old Country Road  
Hicksville, NY 11801  
T: (516)545-2586  
C: (516)790-1660  
Email: [william.ryan@nationalgrid.com](mailto:william.ryan@nationalgrid.com)

Joseph S. Giordano  
National Grid – Legal Dept.  
Program Manager, Environmental  
175 East Old Country Road  
Hicksville, NY 11801  
T: 516-545-4790  
[joseph.giordano@nationalgrid.com](mailto:joseph.giordano@nationalgrid.com)

Nate Grove  
NYC Parks  
Senior Manager of Citywide Marina Operations  
T: 718.478.0480  
C: 347.386.5877  
F: 917.849.6640  
Email: [nate.grove@parks.nyc.gov](mailto:nate.grove@parks.nyc.gov)

Peter Ladouceur  
Chief Operating Officer  
JT Cleary, Inc.  
100 Red Schoolhouse Rd, Ste A-12  
Chestnut Ridge, NY 10977  
Office: 845-352-1099 x 151  
Fax: 845-352-1098  
Cell: 347-672-2109  
[p.ladouceur@jtcleary.com](mailto:p.ladouceur@jtcleary.com)

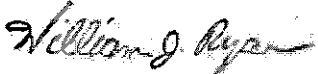
Michael W. Keffer, P.E., LEED AP  
Deputy Division Director-Civil Engineering  
H2M architects + engineers  
538 Broad Hollow Road, 4th Floor East, Melville, NY 11747  
Tel: 631.756.8000 x1714 | mobile 631.332.9484 | fax 631.694.4122  
Email: [mkeffer@H2M.com](mailto:mkeffer@H2M.com)



- 3) Attachment B contains a site plan that depicts the project's location.
- 4) Attachment C contains photographs that depict the existing conditions of the dock and marina.
- 5) Attachment D contains a list of all subcontractors that will work on this project.
- 6) Attachment E contains the insurance certificates as specified on the memorandum.

Please call me should you have any questions or comments.

Sincerely,



William J. Ryan  
Project Manager

Cc: N. Grove (NYC Parks)  
J. Giordano (National Grid)  
P. Ladouceur (J.T. Cleary)  
M. Keffer (H2M Engineers)

## Attachment C



City of New York  
Parks & Recreation

# P-P PERMIT


To plant or perform work on or near all street and park trees

**Parks will not issue a permit without an application.**

**An associated Tree Permit Work Order(s) must accompany this Permit at all times.**

<b>Type of tree work permitted:</b>	<input type="checkbox"/> REMOVE TREE # TREES _____	<input type="checkbox"/> ON-SITE PLANTING # TREES _____	<input type="checkbox"/> OFF-SITE PLANTING # TREES _____
	<input type="checkbox"/> PRUNING # TREES _____	<input type="checkbox"/> Excavate # TREES _____	<input checked="" type="checkbox"/> PROTECT # TREES <u>see plan</u>
	<input type="checkbox"/> Transplant # TREES _____		
<input type="checkbox"/> Other # TREES _____			

PERMIT NO. <u>Z-501</u>	DATE VALID <u>12/15/15</u>	DATE EXPIRES <u>6/15/16</u>
APPLICATION NO. <u>N/A</u>	PROJECT / DOB BIS NO. <u>N/A</u>	
# PAGES ATTACHED <u>2</u>	PERMIT APPROVED BY 	
BOROUGH FORESTRY MANAGER / SENIOR FORESTER		

## THIS PERMIT IS ISSUED TO:

NAME: WILLIAM RYAN TEL. NO. 516-545-2586 FAX: 516-545-2582

COMPANY NAME/AGENCY: NATIONAL GRID

MAILING ADDRESS 175 EAST OLD COUNTRY ROAD, HICKSVILLE, NY ZIP CODE 11801 EMAIL WILLIAM.RYAN@NATIONALGRID.COM

## TO PLANT AND / OR PERFORM WORK ON OR NEAR STREET / PARK TREES BY:

TREE WORK ENTITY NAME \_\_\_\_\_ TEL NO. \_\_\_\_\_

TREE WORK ENTITY ADDRESS \_\_\_\_\_ ZIP CODE \_\_\_\_\_

## WORK LOCATION:

STREET ADDRESS 1310 PAERDEGAT AVE NORTH

CROSS STREETS PAERDEGAT 7 ST / PAERDEGAT 12 ST BOROUGH BROOKLYN

DEPARTMENT OF BUILDINGS BIS NUMBER (N/A if not applicable) N/A PROJECT NAME STAGING FOR DOCK REPLACEMENT

## REQUIREMENTS OF THIS PERMIT: BI-WEEKLY ARBORIST REPORTS

- **Time frame.** This Permit is valid for the time period specified above. Trees can only be planted between March 1<sup>st</sup> and May 31<sup>st</sup> or October 1<sup>st</sup> and December 31<sup>st</sup>. If the Permittee misses the time frame, s/he must reapply. This Permit may be revoked at any time.
- **Notification.** The relevant forestry office must be notified at least 24 hours prior to the start of tree work (see phone numbers below).
- **Proof of permission.** The original Permit and attached Tree Permit Work Order(s) must be present on site when the approved work is being performed—no copies are accepted.
- **Standards.** Work under this Permit—described on the attached Tree Permit Work Order(s)—must be done in accordance with Parks Department Standards, which are summarized on the reverse page. Complete Parks Standards are available from the forestry offices. It is the responsibility of the Permittee to read and understand the complete description of Parks Standards.
- **Parks reserves the right to deny a Permit to any contractor or entity in poor standing with the Agency.** In order to stay in good standing our standards must be followed or the landscaping company (tree work entity) will be denied any Agency permits for a period of 12 months.
- **Planting Guarantee.** Applicants for tree planting permits are responsible for the trees for a 2 year guarantee period if no tree work entity information is given. Parks inspects after 2 years and all trees must be in excellent condition at this time. If trees are not in excellent condition you will be required to complete a punch list.
- **Liability.** All tree work shall be performed without cost to Parks. The holder of this Permit agrees to hold the City of New York and the Department of Parks free from all liability for damage to persons or property, however caused, through the exercise of this Permit.
- **Restitution.** Any tree work improperly performed or otherwise not in accordance with Parks Standards and Specifications will be subject to restitution and penalty at the direction of the Department of Parks and at the expense of all legally responsible parties.
- **Final inspection.** A final planting inspection must be scheduled with a Parks forester after the tree(s) have been planted, staked, and mulched and the tree pit(s) have been finished using granite pavers, if necessary. Once planting is complete, fax or mail a copy of your permit to Central Forestry with a letter requesting a final inspection. A Parks forester will visit the site within three (3) weeks to ensure that all planting work was completed to Parks' satisfaction.
- **Guarantee period.** All newly planted trees must be guaranteed by the Permittee for two (2) years after planting. If a tree dies during this period, the Permittee is responsible for replacing the tree.

**Denial.** If you have applied to plant one or more trees and you have not received permission to plant all of them, please see the box below for the reason.

Due to zoning regulations, \_\_\_\_\_ tree(s) must still be planted. You are required to reapply for a tree planting permit in an alternate location. Parks will issue you an off-site permit within 30 days of receipt of a valid application.

Tree planting was DENIED because one or more of the following obstructions were found upon inspection based on New York City Department of Parks and Recreation Planting Standards:

- |  |                                       |                                       |                                   |  |   |
|--|---------------------------------------|---------------------------------------|-----------------------------------|--|---|
| <input type="checkbox"/> Water valve   | <input type="checkbox"/> Gas valve    | <input type="checkbox"/> Street light | <input type="checkbox"/> Driveway | <input type="checkbox"/> Electric line     | <input type="checkbox"/> Narrow sidewalk          |
| <input type="checkbox"/> Existing tree | <input type="checkbox"/> Fire hydrant | <input type="checkbox"/> Bus stop     | <input type="checkbox"/> Subway   | <input type="checkbox"/> Building entrance | <input type="checkbox"/> Stop sign / intersection |

Other \_\_\_\_\_

## NYC DEPARTMENT OF PARKS & RECREATION -- SUMMARY OF TREE WORK STANDARDS\*

### 1. PRUNE

The Permittee shall prune trees in accordance with accepted arboricultural practices, to the satisfaction of Parks. Due to the Asian longhorned beetle (ALB) infestation, the contractor must be certified to work in the ALB quarantine zone and will be required to chip all debris generated in the course of tree removal as set forth in state and federal quarantine regulations. In order to reduce susceptibility to Dutch elm disease, all elm trees shall only be pruned between November 1<sup>st</sup> and March 31<sup>st</sup>, except if so directed by Parks. Where appropriate, the Permittee shall lower any branch using ropes that would otherwise injure the tree or other property when falling. Where there is restricted access, or where trees are taller than the working height of a bucket, it may be necessary for trees to be pruned using ropes and saddles. The use of hydraulic limb loppers or climbing spikes is prohibited. The Permittee shall be liable for any and all damage to trees, plants, and other growth, as well as real property and vehicles.

As directed by the Borough Forestry Manager or the designated representative, pruning shall consist of the removal of dead, broken, damaged (storm- or otherwise), fungus- or insect-infected limbs; dead or decaying stubs; suckers; and all other undesirable growth. Any structurally weak, decayed trunk or branch, or split crotch or branch, shall be removed. The Permittee shall remove all crossed or rubbing branches where practicable so that the removal will not leave large holes in the general outline of the tree. Prune all branches six to twelve feet (6'-12') from buildings, or as directed by the Borough Forestry Manager. Excessive pruning is prohibited. All pruning shall be done to a lateral branch or branch attachment point where possible. All limbs one inch (1") in diameter (the size of a quarter) and over must be pre-cut to prevent splitting and / or bark rips. All cuts shall be made to the top of the branch collar so that healing can readily start under normal conditions. Do not leave stubs or make flush cuts. Injured areas where healing is not taking place properly may be bark traced in accordance with accepted arboricultural practices, if directed. Cuts that may prevent normal sap flow are not to be made. In lifting bottom branches of trees for under clearance, care should be given to the symmetrical appearance of the tree.

### 2. EXCAVATE

Extreme care must be exercised in removing concrete or asphalt within the tree protection zone, and paving pieces must be lifted rather than dragged. Any excavation shall be done by hand, pneumatic excavation, or micro-tunneling. Trenching shall not occur within the tree protection zone. Roots over one inch (1") in diameter shall not be cut without the written permission of Parks, either inside or outside of the tree protection zone. The excavated area shall be backfilled immediately, or the roots shall be kept constantly moist with burlap covered with white plastic until backfill is complete, up to a maximum of forty-eight (48) hours. Burlap shall be checked a minimum of two (2) times a day, at least once in the morning and once in the afternoon. If directed, soaker hoses shall be installed to facilitate properly moist conditions of excavated areas. Planting beds that are installed within tree protection zones can only be done with the written permission of Parks and the presence of an Arborist. Other plants shall not be placed within three (3) feet of an existing tree trunk.

### 3. MANAGE PESTS

Pesticide applications shall be done only for the control of specific diseases or insects, with the proper materials in the necessary strength, and applied at the proper time to obtain the desired control. All spraying practices shall conform to State and Federal regulations. A professional possessing the State pesticide applicator license must perform the application. The Department of Environmental Conservation (DEC) can provide the most up-to-date guidelines and requirements on pesticide application, storage, and disposal. Suitable precautions shall be taken to warn the public that spraying is being done and to protect them.

### 4. INSTALL DECORATIONS

Decorations may only be affixed between November and February, and they must be removed by the beginning of March. In addition, they must not be attached by drilling or hammering into the bark.

### 5. PROTECT / WORK ADJACENT TO

To protect trees during construction, all work must follow Parks provisions for tree protection. This includes guidelines for soil protection, erosion control, overhead clearance, excavation and trenching, irrigation, and water runoff. In addition, the following tree protective barriers must be implemented: a twelve-inch (12") layer of mulch covered by interlocking high-density polyethylene mats under the tree canopy, tree guards with tree trunk wraps, fencing along the perimeter of tree protection zones, and signage clearly indicating protected areas. No encroachment of the designated tree protection zones shall occur without the written permission of Parks, and without the on-site presence of a Parks representative or an approved arborist. If encroachment is permitted, preventative measures must be employed to minimize damage. At the completion of the construction project and in response to field conditions, several site restoration / mitigation measures may be required by the contractor as specified in the tree protection plan or by Parks directly. These measures shall be assumed at the expense of the Permittee and shall not be done without the approval of Parks.

### 6. PLANT

Parks expects the Permittee to propose the largest pits possible appropriate to the sites, and Parks has the right to increase the size of the pits. The permitted work consists of excavating all tree pits, planting, and maintaining new trees of the type and size designated on the approved list. Tree diameter shall be at least two and a half inches (2.5") measured at six inches (6") from the ground and no larger than three and a half inches (3.5") in diameter, unless otherwise authorized by Parks. They shall have normal, well developed branches and a fibrous root system. They shall be sound, healthy, vigorous trees, free from defects. No nylon burlap or rope shall be permitted around the root ball. No tree trunks shall be wrapped. All nursery tags and protective wrapping must be removed prior to planting. Crowns of young trees shall not be cut back to compensate for root loss. At the time of planting, the root collar shall not be buried and the soil around each tree shall be thoroughly saturated with at least twenty (20) gallons of water. A three-inch (3") bark mulch layer shall be applied as a ground cover to the surface of all planting beds at the time of planting, except directly around the root flare. The Permittee shall be liable for any damages to property due to planting operations, and all areas disturbed shall be restored to their original condition. All trees shall be guaranteed for 2 years. The Parks Department no longer issues permits to plant Flowering Pear, *Pyrus calleryana*. For a complete list of species restrictions, please visit the Parks Department website at [www.nyc.gov/parks](http://www.nyc.gov/parks). Please refer to Parks' Tree Planting Standards for complete guidelines: <http://www.nyc.gov/parks/tree-planting-standards.pdf>.

### 7. REMOVE STUMP

See Parks Standards for tree removal below.

### 8. REMOVE TREE

All trees must be topped and limbed prior to felling. The Permittee must carefully protect against damage to all existing trees (including live roots), plants, curbs, sidewalks, utilities, and other features to remain. Stumps and all surface roots shall be removed or ground to a minimum depth of twenty four inches (24") below grade. During stump grinding operations, plywood must be used to protect adjacent vehicles, real property, and pedestrians. The excavated area must be filled only with topsoil backfill material that meets Parks specifications. The topsoil shall be firmly tamped every six inches (6") in the backfill process and mounded to no more than three inches (3") above the existing grade to account for further setting. All paved areas, parking areas, lawns, and sidewalks that have been disturbed by tree removal must be cleared of fallen branches and restored to original condition. Due to the Asian longhorned beetle (ALB) infestation, the contractor must be certified to work in the ALB quarantine zone and will be required to chip all debris generated in the course of tree removal as set forth in State and Federal quarantine regulations.

### 9. TRANSPLANT / RELOCATE

Unless otherwise specified, all materials, workmanship, and requirements shall conform with applicable provisions of Parks' Street Tree Planting Guidelines (see Planting Specifications, above). No transplanting shall be done except in the presence of the Borough Forestry Manager or a representative. The Permittee shall transplant trees only up to four-inch (4") caliper unless otherwise directed by Parks. All precautions customary in good trade practice shall be taken in preparing plants for moving, and workmanship that fails to meet the highest standards will be rejected. All plants shall be dug immediately before moving unless otherwise directed. All plants shall be dug to retain as many fibrous roots as possible. Plants shall be balled and burlapped, having a solid ball of earth of minimum specified size according to the most recent American Association of Nurserymen Standards and securely held in place by burlap and sisal twine. All rejected material shall be immediately removed from the site and replaced with acceptable material at no additional cost to Parks.

### 10. OTHER

All other work on or around City tree(s) must be done in accordance with Parks Department Standards, including, but not limited to, air-spading, injecting pressurized water, applying anti-transplants, mulching / vertical mulching / radial trenching, fertilizing, modifying soil, implanting / micro-injecting, tree cabling / bracing, affixing tree guards / lightning protection rods, applying plant growth regulators, and investigating decay / root collar. The appropriate forestry office must be notified at least 24 hours prior to the start of tree work.

\*For complete Tree Work Standards, refer to the appropriate Forestry Office.



# P-W Tree Permit Work Order

To accompany any permit for tree planting or tree work

**PERMITTEE: THIS WORK ORDER IS INVALID WITHOUT AN ASSOCIATED TREE WORK PERMIT**

**FOR THE INSPECTOR:** This work order must be prepared prior to issuing a permit. The Inspector's Report must be completed as soon as the permitted work is finished.

**Type of tree work permitted:**

☐ REMOVE: TREE QTY: \_\_\_\_ ☐ ON-SITE PLANTING: TREE QTY: \_\_\_\_ ☐ OFF-SITE PLANTING: TREE QTY: \_\_\_\_  
☐ PRUNE: TREE QTY: \_\_\_\_ ☐ EXCAVATE: QTY: \_\_\_\_ ☒ PROTECT: TREE QTY: SEE PLAN ☐ TRANSPLANT: TREE QTY: \_\_\_\_  
☐ OTHER: \_\_\_\_\_ TREE/QTY: \_\_\_\_ ☐ EXISTING TREE: QTY: \_\_\_\_

APPLICATION NO.: N/A

DATE VALID: N/A DATE EXPIRES: 6/15/15

SERVICE REQUEST NO.: N/A

PROJECT / DOB JOB NO.: N/A

INSPECTED BY: BENJAMIN OSBORNE

PAGE 1 OF 1 PAGES

INSPECTION DATE: 11/24/15

WORK ORDER APPROVED BY:

[Signature]  
BOROUGH FORESTRY MANAGER

Please fill in the applicable blanks for each tree that requires work. Make sure that the description is clear and detailed enough that it can be completed easily by the tree work entity. Attach site diagrams if necessary. This completed work order must be attached to the Permittee's copy of the associated permit.

Review Planting Specifications: [http://www.nycgovparks.org/sub\\_permits\\_and\\_applications/images\\_and\\_pdfs/TreePlantingStandards](http://www.nycgovparks.org/sub_permits_and_applications/images_and_pdfs/TreePlantingStandards)

Work Type Codes: Please refer to the accompanying Permit for a summary of Parks' Tree Work Standards.

1. prune; 2. excavate; 3. manage pests; 4. install decorations; 5. protect / work adjacent to; 6. plant; 7. remove stump; 8. remove tree; 9. transplant; 10. other (specify in description below)

Tree Condition Codes: E. excellent; G. good; F. fair; P. poor; D. dead; S. stump

Season Codes: Sp. Spring (March 1st - May 15th); Sm. Summer (May 1st - September 30th); F. Fall (October 1st - December 15th); W. Winter (January 1st - Feb 29th)

LOCATION: 1310 PARDEGAT AVE NORTH			WORK TYPE: 5	TREE CONDITION: VARIOUS	SEASON: N/A
DESCRIPTION OF WORK NEEDED BELOW: N/A	SPECIES: VARIOUS	Caliper/ DBH: VARIOUS	WIRES: N/A	PIT SIZE: N/A	PAVERS: No
FOR ALL TREES: Plant 1 2.5-3" caliper tree(s). Remove top 2/3 of the burlap & wire basket. Expose root flare level to sidewalk. Add 20 gallons of water to each tree when planting. Use approved materials for planting, staking, and mulch. Excavate entire tree pit to size noted and replace with new soil to specifications.					
LOCATION:			WORK TYPE:	TREE CONDITION:	SEASON:
DESCRIPTION OF WORK NEEDED BELOW:	SPECIES:	DBH:	WIRES:	PIT SIZE:	PAVERS:
LOCATION:			WORK TYPE:	TREE CONDITION:	SEASON:
DESCRIPTION OF WORK NEEDED BELOW:	SPECIES:	Caliper/ DBH:	WIRES:	PIT SIZE:	PAVERS:
LOCATION:			WORK TYPE:	TREE CONDITION:	SEASON:
DESCRIPTION OF WORK NEEDED BELOW:	SPECIES:	Caliper/ DBH:	WIRES:	PIT SIZE:	PAVERS:



STAGING AREA FOR DOCK/DISPOSAL  
LOAD OUT





**Parks will not issue a permit without an application.**

**An associated Tree Permit Work Order(s) must accompany this Permit at all times.**

<b>Type of tree work permitted:</b>	<input type="checkbox"/> REMOVE TREE # TREES _____	<input type="checkbox"/> ON-SITE PLANTING # TREES _____	<input type="checkbox"/> OFF-SITE PLANTING # TREES _____
	<input type="checkbox"/> PRUNING # TREES _____	<input type="checkbox"/> Excavate # TREES _____	<input checked="" type="checkbox"/> PROTECT # TREES <u>see plan</u> <input type="checkbox"/> Transplant # TREES _____
	<input type="checkbox"/> Other # TREES _____		

PERMIT NO. <u>Z-501</u>	DATE VALID <u>12/15/15</u>	DATE EXPIRES <u>6/15/16</u>
APPLICATION NO. <u>N/A</u>	PROJECT / DOB BIS NO. <u>N/A</u>	
# PAGES ATTACHED <u>2</u>	PERMIT APPROVED BY <u>[Signature]</u> BOROUGH FORESTRY MANAGER / SENIOR FORESTER	

**THIS PERMIT IS ISSUED TO:**

NAME: WILLIAM RYAN TEL. NO. 516-545-2586 FAX. 516-545-2582

COMPANY NAME/AGENCY: NATIONAL GRID

MAILING ADDRESS 175 EAST OLD COUNTRY ROAD, HICKSVILLE, NY ZIP CODE 11801 EMAIL WILLIAM.RYAN@NATIONALGRID.COM

TO PLANT AND / OR PERFORM WORK ON OR NEAR STREET / PARK TREES BY:

TREE WORK ENTITY NAME \_\_\_\_\_ TEL NO. \_\_\_\_\_

TREE WORK ENTITY ADDRESS \_\_\_\_\_ ZIP CODE \_\_\_\_\_

WORK LOCATION:

STREET ADDRESS 1310 PAERDEGAT AVE NORTH

CROSS STREETS PAERDEGAT 7 ST / PAERDEGAT 12 ST BOROUGH BROOKLYN

DEPARTMENT OF BUILDINGS BIS NUMBER (N/A if not applicable) N/A PROJECT NAME STAGING FOR DOCK REPLACEMENT

**REQUIREMENTS OF THIS PERMIT: BI-WEEKLY ARBORIST REPORTS**

- **Time frame.** This Permit is valid for the time period specified above. Trees can only be planted between March 1<sup>st</sup> and May 31<sup>st</sup> or October 1<sup>st</sup> and December 31<sup>st</sup>. If the Permittee misses the time frame, s/he must reapply. This Permit may be revoked at any time.
- **Notification.** The relevant forestry office must be notified at least 24 hours prior to the start of tree work (see phone numbers below).
- **Proof of permission.** The original Permit and attached Tree Permit Work Order(s) must be present on site when the approved work is being performed—no copies are accepted.
- **Standards.** Work under this Permit—described on the attached Tree Permit Work Order(s)—must be done in accordance with Parks Department Standards, which are summarized on the reverse page. Complete Parks Standards are available from the forestry offices. It is the responsibility of the Permittee to read and understand the complete description of Parks Standards.
- **Parks reserves the right to deny a Permit to any contractor or entity in poor standing with the Agency.** In order to stay in good standing our standards must be followed or the landscaping company (tree work entity) will be denied any Agency permits for a period of 12 months.
- **Planting Guarantee.** Applicants for tree planting permits are responsible for the trees for a 2 year guarantee period if no tree work entity information is given. Parks inspects after 2 years and all trees must be in excellent condition at this time. If trees are not in excellent condition you will be required to complete a punch list.
- **Liability.** All tree work shall be performed without cost to Parks. The holder of this Permit agrees to hold the City of New York and the Department of Parks free from all liability for damage to persons or property, however caused, through the exercise of this Permit.
- **Restitution.** Any tree work improperly performed or otherwise not in accordance with Parks Standards and Specifications will be subject to restitution and penalty at the direction of the Department of Parks and at the expense of all legally responsible parties.
- **Final inspection.** A final planting inspection must be scheduled with a Parks forester after the tree(s) have been planted, staked, and mulched and the tree pit(s) have been finished using granite pavers, if necessary. Once planting is complete, fax or mail a copy of your permit to Central Forestry with a letter requesting a final inspection. A Parks forester will visit the site within three (3) weeks to ensure that all planting work was completed to Parks' satisfaction.
- **Guarantee period.** All newly planted trees must be guaranteed by the Permittee for two (2) years after planting. If a tree dies during this period, the Permittee is responsible for replacing the tree.

**Denial.** If you have applied to plant one or more trees and you have not received permission to plant all of them, please see the box below for the reason.

Due to zoning regulations, \_\_\_\_\_ tree(s) must still be planted. You are required to reapply for a tree planting permit in an alternate location. Parks will issue you an off-site permit within 30 days of receipt of a valid application.

Tree planting was DENIED because one or more of the following obstructions were found upon inspection based on New York City Department of Parks and Recreation Planting Standards:

- |  |                                       |                                       |                                   |  |   |
|--|---------------------------------------|---------------------------------------|-----------------------------------|--|---|
| <input type="checkbox"/> Water valve   | <input type="checkbox"/> Gas valve    | <input type="checkbox"/> Street light | <input type="checkbox"/> Driveway | <input type="checkbox"/> Electric line     | <input type="checkbox"/> Narrow sidewalk          |
| <input type="checkbox"/> Existing tree | <input type="checkbox"/> Fire hydrant | <input type="checkbox"/> Bus stop     | <input type="checkbox"/> Subway   | <input type="checkbox"/> Building entrance | <input type="checkbox"/> Stop sign / intersection |

Other \_\_\_\_\_



## NYC DEPARTMENT OF PARKS & RECREATION -- SUMMARY OF TREE WORK STANDARDS\*

### 1. PRUNE

The Permittee shall prune trees in accordance with accepted arboricultural practices, to the satisfaction of Parks. Due to the Asian longhorned beetle (ALB) infestation, the contractor must be certified to work in the ALB quarantine zone and will be required to chip all debris generated in the course of tree removal as set forth in state and federal quarantine regulations. In order to reduce susceptibility to Dutch elm disease, all elm trees shall only be pruned between November 1<sup>st</sup> and March 31<sup>st</sup>, except if so directed by Parks. Where appropriate, the Permittee shall lower any branch using ropes that would otherwise injure the tree or other property when falling. Where there is restricted access, or where trees are taller than the working height of a bucket, it may be necessary for trees to be pruned using ropes and saddles. The use of hydraulic limb loppers or climbing spikes is prohibited. The Permittee shall be liable for any and all damage to trees, plants, and other growth, as well as real property and vehicles.

As directed by the Borough Forestry Manager or the designated representative, pruning shall consist of the removal of dead, broken, damaged (storm- or otherwise), fungus- or insect-infected limbs; dead or decaying stubs; suckers; and all other undesirable growth. Any structurally weak, decayed trunk or branch, or split crotch or branch, shall be removed. The Permittee shall remove all crossed or rubbing branches where practicable so that the removal will not leave large holes in the general outline of the tree. Prune all branches six to twelve feet (6'-12') from buildings, or as directed by the Borough Forestry Manager. Excessive pruning is prohibited. All pruning shall be done to a lateral branch or branch attachment point where possible. All limbs one inch (1") in diameter (the size of a quarter) and over must be pre-cut to prevent splitting and / or bark rips. All cuts shall be made to the top of the branch collar so that healing can readily start under normal conditions. Do not leave stubs or make flush cuts. Injured areas where healing is not taking place properly may be bark traced in accordance with accepted arboricultural practices, if directed. Cuts that may prevent normal sap flow are not to be made. In lifting bottom branches of trees for under clearance, care should be given to the symmetrical appearance of the tree.

### 2. EXCAVATE

Extreme care must be exercised in removing concrete or asphalt within the tree protection zone, and paving pieces must be lifted rather than dragged. Any excavation shall be done by hand, pneumatic excavation, or micro-tunneling. Trenching shall not occur within the tree protection zone. Roots over one inch (1") in diameter shall not be cut without the written permission of Parks, either inside or outside of the tree protection zone. The excavated area shall be backfilled immediately, or the roots shall be kept constantly moist with burlap covered with white plastic until backfill is complete, up to a maximum of forty-eight (48) hours. Burlap shall be checked a minimum of two (2) times a day, at least once in the morning and once in the afternoon. If directed, soaker hoses shall be installed to facilitate properly moist conditions of excavated areas. Planting beds that are installed within tree protection zones can only be done with the written permission of Parks and the presence of an Arborist. Other plants shall not be placed within three (3) feet of an existing tree trunk.

### 3. MANAGE PESTS

Pesticide applications shall be done only for the control of specific diseases or insects, with the proper materials in the necessary strength, and applied at the proper time to obtain the desired control. All spraying practices shall conform to State and Federal regulations. A professional possessing the State pesticide applicator license must perform the application. The Department of Environmental Conservation (DEC) can provide the most up-to-date guidelines and requirements on pesticide application, storage, and disposal. Suitable precautions shall be taken to warn the public that spraying is being done and to protect them.

### 4. INSTALL DECORATIONS

Decorations may only be affixed between November and February, and they must be removed by the beginning of March. In addition, they must not be attached by drilling or hammering into the bark.

### 5. PROTECT / WORK ADJACENT TO

To protect trees during construction, all work must follow Parks provisions for tree protection. This includes guidelines for soil protection, erosion control, overhead clearance, excavation and trenching, irrigation, and water runoff. In addition, the following tree protective barriers must be implemented: a twelve-inch (12") layer of mulch covered by interlocking high-density polyethylene mats under the tree canopy, tree guards with tree trunk wraps, fencing along the perimeter of tree protection zones, and signage clearly indicating protected areas. No encroachment of the designated tree protection zones shall occur without the written permission of Parks, and without the on-site presence of a Parks representative or an approved arborist. If encroachment is permitted, preventative measures must be employed to minimize damage. At the completion of the construction project and in response to field conditions, several site restoration / mitigation measures may be required by the contractor as specified in the tree protection plan or by Parks, directly. These measures shall be assumed at the expense of the Permittee and shall not be done without the approval of Parks.

### 6. PLANT

Parks expects the Permittee to propose the largest pits possible appropriate to the sites, and Parks has the right to increase the size of the pits. The permitted work consists of excavating all tree pits, planting, and maintaining new trees of the type and size designated on the approved list. Tree diameter shall be at least two and a half inches (2.5") measured at six inches (6") from the ground and no larger than three and a half inches (3.5") in diameter, unless otherwise authorized by Parks. They shall have normal, well developed branches and a fibrous root system. They shall be sound, healthy, vigorous trees, free from defects. No nylon burlap or rope shall be permitted around the root ball. No tree trunks shall be wrapped. All nursery tags and protective wrapping must be removed prior to planting. Crowns of young trees shall not be cut back to compensate for root loss. At the time of planting, the root collar shall not be buried and the soil around each tree shall be thoroughly saturated with at least twenty (20) gallons of water. A three-inch (3") bark mulch layer shall be applied as a ground cover to the surface of all planting beds at the time of planting, except directly around the root flare. The Permittee shall be liable for any damages to property due to planting operations, and all areas disturbed shall be restored to their original condition. All trees shall be guaranteed for 2 years. The Parks Department no longer issues permits to plant Flowering Pear, *Pyrus calleryana*. For a complete list of species restrictions, please visit the Parks Department website at [www.nyc.gov/parks](http://www.nyc.gov/parks). Please refer to Parks' Tree Planting Standards for complete guidelines: <http://www.nyc.gov/parks/permits/trees/planting.pdf>.

### 7. REMOVE STUMP

See Parks Standards for tree removal below.

### 8. REMOVE TREE

All trees must be topped and limbed prior to felling. The Permittee must carefully protect against damage to all existing trees (including live roots), plants, curbs, sidewalks, utilities, and other features to remain. Stumps and all surface roots shall be removed or ground to a minimum depth of twenty four inches (24") below grade. During stump grinding operations, plywood must be used to protect adjacent vehicles, real property, and pedestrians. The excavated area must be filled only with topsoil backfill material that meets Parks specifications. The topsoil shall be firmly tamped every six inches (6") in the backfill process and mounded to no more than three inches (3") above the existing grade to account for further settling. All paved areas, parking areas, lawns, and sidewalks that have been disturbed by tree removal must be cleared of fallen branches and restored to original condition. Due to the Asian longhorned beetle (ALB) infestation, the contractor must be certified to work in the ALB quarantine zone and will be required to chip all debris generated in the course of tree removal as set forth in State and Federal quarantine regulations.

### 9. TRANSPLANT / RELOCATE

Unless otherwise specified, all materials, workmanship, and requirements shall conform with applicable provisions of Parks' Street Tree Planting Guidelines (see Planting Specifications, above). No transplanting shall be done except in the presence of the Borough Forestry Manager or a representative. The Permittee shall transplant trees only up to four-inch (4") caliper unless otherwise directed by Parks. All precautions customary in good trade practice shall be taken in preparing plants for moving, and workmanship that fails to meet the highest standards will be rejected. All plants shall be dug immediately before moving unless otherwise directed. All plants shall be dug to retain as many fibrous roots as possible. Plants shall be balled and burlapped, having a solid ball of earth of minimum specified size according to the most recent American Association of Nurserymen Standards and securely held in place by burlap and sisal twine. All rejected material shall be immediately removed from the site and replaced with acceptable material at no additional cost to Parks.

### 10. OTHER

All other work on or around City tree(s) must be done in accordance with Parks Department Standards, including, but not limited to, air-spading, injecting pressurized water, applying anti-transplants, mulching / vertical mulching / radial trenching, fertilizing, modifying soil, implanting / micro-injecting, tree cabling / bracing, affixing tree guards / lightning protection rods, applying plant growth regulators, and investigating decay / root collar. The appropriate forestry office must be notified at least 24 hours prior to the start of tree work.

\*For complete Tree Work Standards, refer to the appropriate Forestry Office.





# P-W Tree Permit Work Order

To accompany any permit for tree planting or tree work

**PERMITTEE: THIS WORK ORDER IS INVALID WITHOUT AN ASSOCIATED TREE WORK PERMIT**

**FOR THE INSPECTOR: This work order must be prepared prior to issuing a permit. The Inspector's Report must be completed as soon as the permitted work is finished.**

**Type of tree work permitted:**

☐ REMOVE: TREE QTY. \_\_\_\_ ☐ ON-SITE PLANTING: TREE QTY. \_\_\_\_ ☐ OFF-SITE PLANTING: TREE QTY. \_\_\_\_  
☐ PRUNE: TREE QTY. \_\_\_\_ ☐ EXCAVATE: QTY. \_\_\_\_ ☒ PROTECT: TREE QTY. SEE PLAN ☐ TRANSPLANT: TREE QTY. \_\_\_\_  
☐ OTHER \_\_\_\_\_: TREE/QTY. \_\_\_\_ ☐ EXISTING TREE: QTY. \_\_\_\_

APPLICATION NO.: N/A

DATE VALID: N/A DATE EXPIRES: 6/15/15

SERVICE REQUEST NO.: N/A

PROJECT / DOB JOB NO.: N/A

INSPECTED BY: BENJAMIN OSBORNE

PAGE 1 OF 1 PAGES

INSPECTION DATE: 11/24/15

WORK ORDER APPROVED BY: \_\_\_\_\_

BOROUGH FORESTRY MANAGER

Please fill in the applicable blanks for each tree that requires work. Make sure that the description is clear and detailed enough that it can be completed easily by the tree work entity. Attach site diagrams if necessary. This completed work order must be attached to the Permittee's copy of the associated permit.

Review Planting Specifications: [http://www.nycgovparks.org/sub\\_permits\\_and\\_applications/images\\_and\\_pdfs/TreePlantingStandards](http://www.nycgovparks.org/sub_permits_and_applications/images_and_pdfs/TreePlantingStandards)

Work Type Codes: Please refer to the accompanying Permit for a summary of Parks' Tree Work Standards.

1. prune; 2. excavate; 3. manage pests; 4. install decorations; 5. protect / work adjacent to; 6. plant; 7. remove stump; 8. remove tree; 9. transplant; 10. other (specify in description below)

Tree Condition Codes: E. excellent; G. good; F. fair; P. poor; D. dead; S. stump

Season Codes: Sp. Spring (March 1st - May 15<sup>th</sup>); Sm. Summer (May 1<sup>st</sup> - September 30<sup>th</sup>); F. Fall (October 1st - December 15<sup>th</sup>); W. Winter (January 1<sup>st</sup> - Feb 29<sup>th</sup>)

LOCATION: 1310 PARDEGAT AVE NORTH			WORK TYPE: 5	TREE CONDITION: VARIOUS	SEASON: N/A
DESCRIPTION OF WORK NEEDED BELOW: N/A	SPECIES: VARIOUS	Caliper/ DBH: VARIOUS	WIRES: N/A	PIT SIZE: N/A	PAVERS: No
<b>FOR ALL TREES:</b> Plant 1 2.5-3" caliper tree(s). Remove top 2/3 of the burlap & wire basket. Expose root flare level to sidewalk. Add 20 gallons of water to each tree when planting. Use approved materials for planting, staking, and mulch. Excavate entire tree pit to size noted and replace with new soil to specifications.					
LOCATION:			WORK TYPE:	TREE CONDITION:	SEASON:
DESCRIPTION OF WORK NEEDED BELOW:	SPECIES:	DBH:	WIRES:	PIT SIZE:	PAVERS:
LOCATION:			WORK TYPE:	TREE CONDITION:	SEASON:
DESCRIPTION OF WORK NEEDED BELOW:	SPECIES:	Caliper/ DBH:	WIRES:	PIT SIZE:	PAVERS:
LOCATION:			WORK TYPE:	TREE CONDITION:	SEASON:
DESCRIPTION OF WORK NEEDED BELOW:	SPECIES:	Caliper/ DBH:	WIRES:	PIT SIZE:	PAVERS:

## Attachment D

## **ATTACHMENT D: LIST OF SUBCONTRACTORS**

### **General Contractor:**

JT Cleary, Inc.  
100 Red Schoolhouse Rd, Ste A-12  
Chestnut Ridge, NY 10977  
Office: (845)352-1099

### **Demolition Subcontractor:**

Hudson Valley Environmental  
1622 Beaver Dam Road  
Point Pleasant, NJ 08742  
Office: (845) 249-1987

### **Mechanical Subcontractor:**

F&G Mechanical, Inc.  
24-37 46th St.  
Long Island City, NY 11103  
Office: (201)864-3580

### **Electrical Subcontractor:**

Welsbach Electric Corp.  
111-01 14th Avenue  
College Point, NY 11356  
Office: (718)670-7900

# MUNICIPAL BUILDING CONSULTANTS, INC.

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BUILDING CODE

ZONING

August 18, 2015

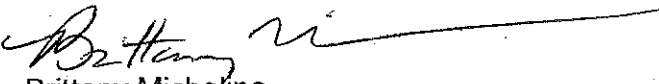
Ms. Denise Shanks-Brown  
Construction Permits Department  
City of New York Parks & Recreation  
Capital Projects  
Olmsted Center  
Flushing Meadows-Corona Park  
Flushing, NY 11368

**Re: Request for Permit to Perform Work on Park Property  
1310 Paerdegat Avenue North  
Reconstruction of the Paerdegat Basin Dock**

Dear Mr. Shanks-Brown:

Please find the attached correspondence in response to your request for additional information regarding the above referenced project.

Sincerely,

  
Brittany Micheline  
Project Manager

*attachments*



# P-P PERMIT

To plant or perform work on or near all street and park trees

**Parks will not issue a permit without an application.**  
**An associated Tree Permit Work Order(s) must accompany this Permit at all times.**

<b>Type of tree work permitted:</b>	<input type="checkbox"/> REMOVE TREE # TREES _____	<input type="checkbox"/> ON-SITE PLANTING # TREES _____	<input type="checkbox"/> OFF-SITE PLANTING # TREES _____
	<input type="checkbox"/> PRUNING # TREES _____	<input type="checkbox"/> Excavate # TREES _____	<input checked="" type="checkbox"/> PROTECT # TREES <u>see plan</u> <input type="checkbox"/> Transplant # TREES _____
	<input type="checkbox"/> Other # TREES _____		

PERMIT NO. <u>Z-501</u>	DATE VALID <u>12/15/15</u>	DATE EXPIRES <u>6/15/16</u>
APPLICATION NO. <u>N/A</u>	PROJECT / DOB BIS NO. <u>N/A</u>	
# PAGES ATTACHED <u>2</u>	PERMIT APPROVED BY <u>[Signature]</u> BOROUGH FORESTRY MANAGER / SENIOR FORESTER	

**THIS PERMIT IS ISSUED TO:**

NAME: WILLIAM RYAN TEL. NO. 516-545-2586 FAX: 516-545-2582

COMPANY NAME/AGENCY: NATIONAL GRID

MAILING ADDRESS 175 EAST OLD COUNTRY ROAD, HICKSVILLE, NY ZIP CODE 11801 EMAIL WILLIAM.RYAN@NATIONALGRID.COM

**TO PLANT AND / OR PERFORM WORK ON OR NEAR STREET / PARK TREES BY:**

TREE WORK ENTITY NAME \_\_\_\_\_ TEL NO. \_\_\_\_\_

TREE WORK ENTITY ADDRESS \_\_\_\_\_ ZIP CODE \_\_\_\_\_

**WORK LOCATION:**

STREET ADDRESS 1310 PAERDEGAT AVE NORTH

CROSS STREETS PAERDEGAT 7 ST / PAERDEGAT 12 ST BOROUGH BROOKLYN

DEPARTMENT OF BUILDINGS BIS NUMBER (N/A if not applicable) N/A PROJECT NAME STAGING FOR DOCK REPLACEMENT

**REQUIREMENTS OF THIS PERMIT: BI-WEEKLY ARBORIST REPORTS**

- Time frame.** This Permit is valid for the time period specified above. Trees can only be planted between March 1<sup>st</sup> and May 31<sup>st</sup> or October 1<sup>st</sup> and December 31<sup>st</sup>. If the Permittee misses the time frame, s/he must reapply. This Permit may be revoked at any time.
- Notification.** The relevant forestry office must be notified at least 24 hours prior to the start of tree work (see phone numbers below).
- Proof of permission.** The original Permit and attached Tree Permit Work Order(s) must be present on site when the approved work is being performed—no copies are accepted.
- Standards.** Work under this Permit—described on the attached Tree Permit Work Order(s)—must be done in accordance with Parks Department Standards, which are summarized on the reverse page. Complete Parks Standards are available from the forestry offices. It is the responsibility of the Permittee to read and understand the complete description of Parks Standards.
- Parks reserves the right to deny a Permit to any contractor or entity in poor standing with the Agency.** In order to stay in good standing our standards must be followed or the landscaping company (tree work entity) will be denied any Agency permits for a period of 12 months.
- Planting Guarantee.** Applicants for tree planting permits are responsible for the trees for a 2 year guarantee period if no tree work entity information is given. Parks inspects after 2 years and all trees must be in excellent condition at this time. If trees are not in excellent condition you will be required to complete a punch list.
- Liability.** All tree work shall be performed without cost to Parks. The holder of this Permit agrees to hold the City of New York and the Department of Parks free from all liability for damage to persons or property, however caused, through the exercise of this Permit.
- Restitution.** Any tree work improperly performed or otherwise not in accordance with Parks Standards and Specifications will be subject to restitution and penalty at the direction of the Department of Parks and at the expense of all legally responsible parties.
- Final inspection.** A final planting inspection must be scheduled with a Parks forester after the tree(s) have been planted, staked, and mulched and the tree pit(s) have been finished using granite pavers, if necessary. Once planting is complete, fax or mail a copy of your permit to Central Forestry with a letter requesting a final inspection. A Parks forester will visit the site within three (3) weeks to ensure that all planting work was completed to Parks' satisfaction.
- Guarantee period.** All newly planted trees must be guaranteed by the Permittee for two (2) years after planting. If a tree dies during this period, the Permittee is responsible for replacing the tree.

**Denial.** If you have applied to plant one or more trees and you have not received permission to plant all of them, please see the box below for the reason.

Due to zoning regulations, \_\_\_\_\_ tree(s) must still be planted. You are required to reapply for a tree planting permit in an alternate location. Parks will issue you an off-site permit within 30 days of receipt of a valid application.

Tree planting was DENIED because one or more of the following obstructions were found upon inspection based on New York City Department of Parks and Recreation Planting Standards:

- |  |                                       |                                       |                                   |  |   |
|--|---------------------------------------|---------------------------------------|-----------------------------------|--|---|
| <input type="checkbox"/> Water valve   | <input type="checkbox"/> Gas valve    | <input type="checkbox"/> Street light | <input type="checkbox"/> Driveway | <input type="checkbox"/> Electric line     | <input type="checkbox"/> Narrow sidewalk          |
| <input type="checkbox"/> Existing tree | <input type="checkbox"/> Fire hydrant | <input type="checkbox"/> Bus stop     | <input type="checkbox"/> Subway   | <input type="checkbox"/> Building entrance | <input type="checkbox"/> Stop sign / intersection |

Other \_\_\_\_\_

## NYC DEPARTMENT OF PARKS & RECREATION – SUMMARY OF TREE WORK STANDARDS\*

### 1. PRUNE

The Permittee shall prune trees in accordance with accepted arboricultural practices, to the satisfaction of Parks. Due to the Asian longhorned beetle (ALB) infestation, the contractor must be certified to work in the ALB quarantine zone and will be required to chip all debris generated in the course of tree removal as set forth in state and federal quarantine regulations. In order to reduce susceptibility to Dutch elm disease, all elm trees shall only be pruned between November 1<sup>st</sup> and March 31<sup>st</sup>, except if so directed by Parks. Where appropriate, the Permittee shall lower any branch using ropes that would otherwise injure the tree or other property when falling. Where there is restricted access, or where trees are taller than the working height of a bucket, it may be necessary for trees to be pruned using ropes and saddles. The use of hydraulic limb loppers or climbing spikes is prohibited. The Permittee shall be liable for any and all damage to trees, plants, and other growth, as well as real property and vehicles.

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NYC Parks

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☐ PRUNE: TREE QTY. \_\_\_\_ ☐ EXCAVATE: QTY. \_\_\_\_ ☒ PROTECT: TREE QTY. SEE PLAN ☐ TRANSPLANT: TREE QTY. \_\_\_\_  
☐ OTHER \_\_\_\_\_: TREE/QTY. \_\_\_\_ ☐ EXISTING TREE: QTY. \_\_\_\_

APPLICATION NO.: N/A DATE VALID: N/A DATE EXPIRES: 6/15/15  
 SERVICE REQUEST NO.: N/A PROJECT / DOB JOB NO.: N/A  
 INSPECTED BY: BENJAMIN OSBORNE PAGE 1 OF 1 PAGES  
 INSPECTION DATE: 11/24/15 WORK ORDER APPROVED BY: \_\_\_\_\_  
 BOROUGH FORESTRY MANAGER

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Review Planting Specifications: [http://www.nycgovparks.org/sub\\_permits\\_and\\_applications/images\\_and\\_pdfs/TreePlantingStandards](http://www.nycgovparks.org/sub_permits_and_applications/images_and_pdfs/TreePlantingStandards)

Work Type Codes: Please refer to the accompanying Permit for a summary of Parks' Tree Work Standards.

1. prune; 2. excavate; 3. manage pests; 4. install decorations; 5. protect / work adjacent to; 6. plant; 7. remove stump; 8. remove tree; 9. transplant; 10. other (specify in description below)

Tree Condition Codes: E. excellent; G. good; F. fair; P. poor; D. dead; S. stump

Season Codes: Sp. Spring (March 1st – May 15<sup>th</sup>); Sm. Summer (May 1<sup>st</sup> – September 30<sup>th</sup>); F. Fall (October 1st – December 15<sup>th</sup>); W. Winter (January 1<sup>st</sup> – Feb 29<sup>th</sup>)

LOCATION: 1310 PARDEGAT AVE NORTH			WORK TYPE: 5	TREE CONDITION: VARIOUS	SEASON: N/A
DESCRIPTION OF WORK NEEDED BELOW: N/A	SPECIES: VARIOUS	Caliper/ DBH: VARIOUS	WIRES: N/A	PIT SIZE: N/A	PAVERS: No
FOR ALL TREES: Plant 1 2.5-3" caliper tree(s). Remove top 2/3 of the burlap & wire basket. Expose root flare level to sidewalk. Add 20 gallons of water to each tree when planting. Use approved materials for planting, staking, and mulch. Excavate entire tree pit to size noted and replace with new soil to specifications.					
LOCATION:			WORK TYPE:	TREE CONDITION:	SEASON:
DESCRIPTION OF WORK NEEDED BELOW:	SPECIES:	DBH:	WIRES:	PIT SIZE:	PAVERS:
LOCATION:			WORK TYPE:	TREE CONDITION:	SEASON:
DESCRIPTION OF WORK NEEDED BELOW:	SPECIES:	Caliper/ DBH:	WIRES:	PIT SIZE:	PAVERS:
LOCATION:			WORK TYPE:	TREE CONDITION:	SEASON:
DESCRIPTION OF WORK NEEDED BELOW:	SPECIES:	Caliper/ DBH:	WIRES:	PIT SIZE:	PAVERS:



STAGING AREA FOR DOCK/DISPOSAL  
LOAD OUT

# STRICT DEFINITION

# FROM

## 2. CONSTRUCTION FINCE

# CONTRACTOR

DECONZ



## **Appendix C**

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### **Community Air Monitoring Plan Reports**

**Community Air Monitoring Plan Daily Data Sheet**  
**Paerdegat Basin Marinas and Docks Interim Remedial Measure**  
**National Grid**  
**Borough of Brookyn, New York, NY**

**Date** 2/17/2016

**Weather** 40s-50s rainy, east wind

**GEI staff onsite** Steve Nyczak

**Dust monitoring equipment zero checked?**                      Yes

<b>Site Activities</b>	cutting and removing floating dock material with dust controlled reciprocating floating docks to launch pad, where excavator could pick them up and carry them to dry pad
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<b>Response Level:</b>	100 ug/m <sup>3</sup>
<b>Action Level:</b>	150 ug/m <sup>3</sup>

[illegible]

**Community Air Monitoring Plan Daily Data Sheet**  
**Paerdegat Basin Marinas and Docks Interim Remedial Measure**  
**National Grid**  
**Borough of Brooklyn, New York, NY**

**Date** 2/18/2016  
**Weather** 40s, sunny, clear, NW wind 0-10 mph  
**GEI staff onsite** Steve Nyczak  
**Dust monitoring equipment zero checked?**        Yes

**Site Activities** cutting and removing floating dock material with dust controlled reciprocating  
floating docks to launch pad, where excavator could pick them up and carry them to dry pad  
set up turbidity curtain, began pulling wood posts with crane on barge

<b>Response Level:</b>	100 ug/m <sup>3</sup>
<b>Action Level:</b>	150 ug/m <sup>3</sup>

Date 2/18/2016	Start Time	End Time	15-min average PM-10 (ug/m <sup>3</sup> )	Remarks	Unit Serial number
1	8:04	8:18	0.012	downwind	8530113614
	8:09	8:23	0.008	upwind	8530095308
2	8:59	9:13	0.014	downwind	8530113614
	9:02	9:16	0.009	upwind	8530095308
3	10:01	10:15	0.014	downwind	8530113614
	10:04	10:18	0.007	upwind	8530095308
4	11:03	11:17	0.01	downwind	8530113614
	11:06	11:17	0.008	upwind	8530095308
5	12:04	12:18	0.008	downwind	8530113614
	12:06	12:20	0.005	upwind	8530095308
6	13:01	13:15	0.006	downwind	8530113614
	13:03	13:19	0.006	upwind	8530095308
7	13:59	14:13	0.006	downwind	8530113614
	14:01	14:15	0.006	upwind	8530095308
8	14:58	15:12	0.006	downwind	8530113614
	15:01	15:15	0.005	upwind	8530095308

**Community Air Monitoring Plan Daily Data Sheet**  
**Paerdegat Basin Marinas and Docks Interim Remedial Measure**  
**National Grid**  
**Borough of Brooklyn, New York, NY**

Date 2/19/2016  
Weather 30s, sunny, clear, SE wind 0-10 mph  
GEI staff onsite Steve Nyczak  
Dust monitoring equipment zero checked?        Yes

Site Activities cutting and removing floating dock material with dust controlled reciprocating  
floating docks to launch pad, where excavator could pick them up and carry them to dry pad  
set up turbidity curtain, pulled wood posts with crane on barge, repositioned crane as necessary

Response Level:	100 ug/m <sup>3</sup>
Action Level:	150 ug/m <sup>3</sup>

Date 2/19/2016	Start Time	End Time	15-min average PM-10 (ug/m <sup>3</sup> )	Remarks	Unit Serial number
1	7:35	7:49	0.015	South-14	8530113614
	7:40	7:54	0.012	North-08	8530095308
2	8:36	8:50	0.01	South-14	8530113614
	8:39	8:53	0.01	North-08	8530095308
3	9:28	9:42	0.01	South-14	8530113614
	9:30	9:44	0.013	North-08	8530095308
4	10:21	10:35	0.005	South-14	8530113614
	10:24	10:38	0.011	North-08	8530095308
5	11:28	11:42	0.002	South-14	8530113614
	11:31	11:45	0.009	North-08	8530095308
6	12:39	12:53	0	South-14	8530113614
	12:42	12:56	0.01	North-08	8530095308
7	13:29	13:43	0.012	South-14	8530113614
	13:31	13:45	0.007	North-08	8530095308
8	14:49	15:03	0.011	South-14	8530113614
	14:51	15:05	0.008	North-08	8530095308

**Community Air Monitoring Plan Daily Data Sheet**  
**Paerdegat Basin Marinas and Docks Interim Remedial Measure**  
**National Grid**  
**Borough of Brookyn, New York, NY**

**Date** 2/22/2016

**Weather** 50s, sunny, clear, SE wind (AM) NW wind (PM) 0-10 mph

**GEI staff onsite** Steve Nyczak

**Dust monitoring equipment zero checked?** Yes

<b>Site Activities</b>	cutting and removing floating dock material with dust controlled reciprocating saw
	floating docks to launch pad, where excavator could pick them up and carry them to dry pad
	set up turbidity curtain, pulled wood posts with crane on barge, repositioned crane as necessary

<b>Response Level:</b>	100 $\mu\text{g}/\text{m}^3$
<b>Action Level:</b>	150 $\mu\text{g}/\text{m}^3$

[illegible]

**Community Air Monitoring Plan Daily Data Sheet**  
**Paerdegat Basin Marinas and Docks Interim Remedial Measure**  
**National Grid**  
**Borough of Brookyn, New York, NY**

**Date** 2/23/2016

**Weather** 40s, cloudy, rainy, SE wind 5-15 mph

**GEI staff onsite** Steve Nyczak

**Dust monitoring equipment zero checked?** Yes

<b>Site Activities</b>	cutting and removing floating dock material with dust controlled reciprocating saw
	floating docks to launch pad, where excavator could pick them up and carry them to dry pad
	set up turbidity curtain, pulled wood posts with crane on barge, repositioned crane as necessary

<b>Response Level:</b>	100 $\mu\text{g}/\text{m}^3$
<b>Action Level:</b>	150 $\mu\text{g}/\text{m}^3$

[illegible]

**Community Air Monitoring Plan Daily Data Sheet**  
**Paerdegat Basin Marinas and Docks Interim Remedial Measure**  
**National Grid**  
**Borough of Brooklyn, New York, NY**

**Date** 2/24/2016

**Weather** 40s, cloudy, rainy, E and SE wind 5-20 mph

**GEI staff onsite** Steve Nyczak

**Dust monitoring equipment zero checked?**            Yes

**Site Activities** cutting and removing floating dock material with dust controlled reciprocating saw  
floating docks to launch pad, where excavator could pick them up and carry them to dry pad  
set up turbidity curtain, pulled wood posts with crane on barge, repositioned crane as necessary  
truck is loaded with waste material to be hauled to landfill

<b>Response Level:</b>	100 ug/m <sup>3</sup>
<b>Action Level:</b>	150 ug/m <sup>3</sup>

Date	Start Time	End Time	15-min average PM-10 (ug/m <sup>3</sup> )	Remarks	Unit Serial number
2/24/2016					
1	7:13	7:27	0.02	South-14	8530113614
	7:16	7:30	0.014	North-08	8530095308
2	8:09	8:24	0.031	South-14	8530113614
	8:07	8:22	0.022	North-08	8530095308
3	9:06	9:21	0.031	South-14	8530113614
	9:09	9:24	0.025	North-08	8530095308
4	10:08	10:23	0.037	South-14	8530113614
	10:11	10:26	0.028	North-08	8530095308
5	11:32	11:47	0.017	South-14	8530113614
	11:34	11:49	0.012	North-08	8530095308
6	12:38	12:53	0.021	South-14	8530113614
	12:41	12:56	0.018	North-08	8530095308
7	13:38	13:53	0.021	South-14	8530113614
	13:38	13:53	0.017	North-08	8530095308
				South-14	8530113614
				North-08	8530095308

**Community Air Monitoring Plan Daily Data Sheet**  
**Paerdegat Basin Marinas and Docks Interim Remedial Measure**  
**National Grid**  
**Borough of Brooklyn, New York, NY**

Date 2/25/2016

Weather 50s/ clear and sunny

GEI staff onsite Steve Nyczak

Dust monitoring equipment zero checked?            Yes

Site Activities cutting and removing floating dock material with dust controlled reciprocating saw  
floating docks to launch pad, where excavator could pick them up and carry them to dry pad  
set up turbidity curtain, pulled wood posts with crane on barge, repositioned crane as necessary

Response Level:	100 ug/m <sup>3</sup>
Action Level:	150 ug/m <sup>3</sup>

Date	Start Time	End Time	15-min average PM-10 (ug/m <sup>3</sup> )	Remarks	Unit Serial number
2/25/2016					
1	7:26	7:41	0.047	South-14	8530113614
	7:31	7:46	0.041	North-08	8530095308
2	8:17	8:32	0.021	South-14	8530113614
	8:20	8:35	0.021	North-08	8530095308
3	8:52	9:07	0.009	South-14	8530113614
	8:54	9:09	0.012	North-08	8530095308
4	10:00	10:15	0.006	South-14	8530113614
	10:02	10:17	0.004	North-08	8530095308
5	10:54	11:09	0.007	South-14	8530113614
	10:56	11:11	0.005	North-08	8530095308
6	11:59	12:14	0.006	South-14	8530113614
	12:01	12:16	0.005	North-08	8530095308
7	12:56	1:11	0.008	South-14	8530113614
	12:58	1:13	0.005	North-08	8530095308
8	2:01	2:16	0.011	South-14	8530113614
	2:03	2:18	0.008	North-08	8530095308
9	2:44	2:59	0.008	South-14	8530113614
	2:46	3:01	0.007	North-08	8530095308



**Community Air Monitoring Plan Daily Data Sheet**  
**Paerdegat Basin Marinas and Docks Interim Remedial Measure**  
**National Grid**  
**Borough of Brookyn, New York, NY**

**Date** 2/26/2016

**Weather** 30-40s/ clear and sunny/ NW wind 5-25 mph

**GEI staff onsite** Steve Nyczak

**Dust monitoring equipment zero checked?** Yes

<b>Site Activities</b>	no activity water today due to higher winds and waves
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moving waste dock material to dry pad and loading dump trucks for off site disposal

<b>Response Level:</b>	100 ug/m <sup>3</sup>
<b>Action Level:</b>	150 ug/m <sup>3</sup>

[illegible]

**Community Air Monitoring Plan Daily Data Sheet**  
**Paerdegat Basin Marinas and Docks Interim Remedial Measure**  
**National Grid**  
**Borough of Brooklyn, New York, NY**

**Date** 2/29/2016

**Weather** 50s/ clear and sunny /some rain/ NW and W wind 5-20 mph

**GEI staff onsite** Steve Nyczak

**Dust monitoring equipment zero checked?**            Yes

**Site Activities** dock deconstruction, piling waste material on dry pad

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<b>Response Level:</b>	100 ug/m <sup>3</sup>
<b>Action Level:</b>	150 ug/m <sup>3</sup>

Date	Start Time	End Time	15-min average PM-10 (ug/m <sup>3</sup> )	Remarks	Unit Serial number	
2/29/2016						
1	7:25	7:40	0.037	South-14	8530113614	
	7:31	7:46	0.026	North-08	8530095308	
2	8:50	9:05	0.031	South-14	8530113614	
	8:50	9:05	0.023	North-08	8530095308	
3	9:54	10:09	0.034	South-14	8530113614	
	9:56	10:11	0.022	North-08	8530095308	
4	11:47	12:02	0.038	South-14	8530113614	
	11:47	12:02	0.024	North-08	8530095308	
5	12:16	12:31	0.035	South-14	8530113614	
	12:18	12:33	0.025	North-08	8530095308	
6	13:08	13:23	0.037	South-14	8530113614	
	13:09	13:24	0.023	North-08	8530095308	
7	13:57	14:12	0.025	South-14	8530113614	
	13:57	14:12	0.016	North-08	8530095308	
8	14:50	15:05	0.016	South-14	8530113614	
	14:52	15:07	0.009	North-08	8530095308	

**Community Air Monitoring Plan Daily Data Sheet**  
**Paerdegat Basin Marinas and Docks Interim Remedial Measure**  
**National Grid**  
**Borough of Brookyn, New York, NY**

Date 3/1/2016

Weather 40s-50/ clear and sunny/ 5-15 mph E and NE

GEI staff onsite Steve Nyczak

Dust monitoring equipment zero checked?            Yes

Site Activities dock deconstruction, piling waste material on dry pad

Response Level:	100 ug/m <sup>3</sup>
Action Level:	150 ug/m <sup>3</sup>

Date 3/1/2016	Start Time	End Time	15-min average PM-10 (ug/m <sup>3</sup> )	Remarks	Unit Serial number	
1	7:20	7:35	0.033	South-14	8530113614	
	7:26	7:41	0.02	North-08	8530095308	
2	8:25	8:40	0.024	South-14	8530113614	
	8:25	8:40	0.021	North-08	8530095308	
3	9:25	9:40	0.019	South-14	8530113614	
	9:27	9:42	0.018	North-08	8530095308	
4	10:13	10:28	0.015	South-14	8530113614	
	10:14	10:29	0.016	North-08	8530095308	
5	11:15	11:30	0.01	South-14	8530113614	
	11:17	11:32	0.012	North-08	8530095308	
6	12:18	12:33	0.008	South-14	8530113614	
	12:20	12:35	0.011	North-08	8530095308	
7	13:28	13:43	0.003	South-14	8530113614	
	13:30	13:45	0.018	North-08	8530095308	
8	14:13	14:28	0.003	South-14	8530113614	
	14:15	14:30	0.014	North-08	8530095308	
9	14:45	15:00	0.003	South-14	8530113614	
	14:47	15:02	0.023	North-08	8530095308	

**Community Air Monitoring Plan Daily Data Sheet**  
**Paerdegat Basin Marinas and Docks Interim Remedial Measure**  
**National Grid**  
**Borough of Brookyn, New York, NY**

**Date** 3/2/2016

**Weather** 40s-50/ clear-sunny-cloudy/ W and NW wind 10-30 mph

**GEI staff onsite** Steve Nyczak

**Dust monitoring equipment zero checked?** Yes

**Site Activities** piling waste material on dry pad, too windy for work in water

<b>Response Level:</b>	100 ug/m <sup>3</sup>
<b>Action Level:</b>	150 ug/m <sup>3</sup>

[illegible]

**Community Air Monitoring Plan Daily Data Sheet**  
**Paerdegat Basin Marinas and Docks Interim Remedial Measure**  
**National Grid**  
**Borough of Brookyn, New York, NY**

**Date** 3/3/2016

**Weather** 20s-30/ clear-sunny-cloudy/ W and NW wind 5-15 mph

**GEI staff onsite** Steve Nyczak

**Dust monitoring equipment zero checked?** Yes

**Site Activities**                      piling waste material on dry pad

stacking pilings on land from barge, removing the last of the pilings

<b>Response Level:</b>	100 $\mu\text{g}/\text{m}^3$
<b>Action Level:</b>	150 $\mu\text{g}/\text{m}^3$

[illegible]

**Community Air Monitoring Plan Daily Data Sheet**  
**Paerdegat Basin Marinas and Docks Interim Remedial Measure**  
**National Grid**  
**Borough of Brooklyn, New York, NY**

Date 3/4/2016

Weather 20s-30/ snowing and cloudy/ W and NW wind 5-15 mph

GEI staff onsite Steve Nyczak

Dust monitoring equipment zero checked?            Yes

Site Activities consolidating waste material on dry pad

loading trucks with waste docks for transportaion to haz-waste landfill

<b>Response Level:</b>	100 ug/m <sup>3</sup>
<b>Action Level:</b>	150 ug/m <sup>3</sup>

Date 3/4/2016	Start Time	End Time	15-min average PM-10 (ug/m <sup>3</sup> )	Remarks	Unit Serial number	
1	7:10	7:25	0.044	South-14	8530113614	loading trucks
	7:17	7:32	0.034	North-08	8530095308	
2	8:25	8:40	0.036	South-14	8530113614	loading trucks
	8:27	8:42	0.031	North-08	8530095308	
3	9:32	9:47	0.045	South-14	8530113614	loading trucks
	9:34	9:49	0.03	North-08	8530095308	
4	10:46	11:01	0.02	South-14	8530113614	loading trucks
	10:48	11:03	0.023	North-08	8530095308	
5	11:40	11:55	0.025	South-14	8530113614	
	11:42	11:57	0.024	North-08	8530095308	
6	12:34	12:49	0.02	South-14	8530113614	crew on lunch break
	12:36	12:51	0.021	North-08	8530095308	
7	13:33	13:48	0.013	South-14	8530113614	
	13:35	13:50	0.011	North-08	8530095308	
8	14:27	14:42	0.011	South-14	8530113614	
	14:29	14:44	0.015	North-08	8530095308	

**Community Air Monitoring Plan Daily Data Sheet**  
**Paerdegat Basin Marinas and Docks Interim Remedial Measure**  
**National Grid**  
**Borough of Brooklyn, New York, NY**

**Date** 3/7/2016

**Weather** 40s-50s/clear and sunny/ SW and W wind 5-15 mph

**GEI staff onsite** Steve Nyczak

**Dust monitoring equipment zero checked?**            Yes

**Site Activities** consolidating waste material on dry pad

<b>Response Level:</b>	100 ug/m <sup>3</sup>
<b>Action Level:</b>	150 ug/m <sup>3</sup>

Date 3/7/2016	Start Time	End Time	15-min average PM-10 (ug/m <sup>3</sup> )	Remarks	Unit Serial number	
1	7:25	7:40	0.08	South-14	8530113614	
	7:29	7:44	0.068	North-08	8530095308	
2	8:32	8:47	0.1	South-14	8530113614	
	8:35	8:50	0.078	North-08	8530095308	
3	9:37	9:52	0.097	South-14	8530113614	
	9:39	9:54	0.078	North-08	8530095308	
4	10:21	10:36	0.081	South-14	8530113614	
	10:23	10:38	0.065	North-08	8530095308	
5	11:36	11:51	0.07	South-14	8530113614	
	11:43	11:58	0.061	North-08	8530095308	
6	12:49	13:04	0.044	South-14	8530113614	
	12:51	13:06	0.036	North-08	8530095308	
7	13:27	13:42	0.039	South-14	8530113614	
	13:30	13:45	0.031	North-08	8530095308	
8	14:47	15:02	0.044	South-14	8530113614	
	14:49	15:04	0.032	North-08	8530095308	





**Community Air Monitoring Plan Daily Data Sheet**  
**Paerdegat Basin Marinas and Docks Interim Remedial Measure**  
**National Grid**  
**Borough of Brookyn, New York, NY**

**Date** 3/9/2016

**Weather** 70s/ clear and sunny/ SW wind 0-10 mph

**GEI staff onsite** Steve Nyczak

**Dust monitoring equipment zero checked?** Yes

<b>Site Activities</b>	consolidating waste material on dry pad
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<b>Response Level:</b>	100 ug/m <sup>3</sup>
<b>Action Level:</b>	150 ug/m <sup>3</sup>

[illegible]

**Community Air Monitoring Plan Daily Data Sheet**  
**Paerdegat Basin Marinas and Docks Interim Remedial Measure**  
**National Grid**  
**Borough of Brooklyn, New York, NY**

**Date** 3/10/2016

**Weather** 70s/ clear and sunny/ SW wind 0-10 mph

**GEI staff onsite** Steve Nyczak

**Dust monitoring equipment zero checked?**            Yes

**Site Activities** consolidating waste material on dry pad

loading waste material on trucks for offsite disposal

<b>Response Level:</b>	100 ug/m <sup>3</sup>
<b>Action Level:</b>	150 ug/m <sup>3</sup>

Date	Start Time	End Time	15-min average PM-10 (ug/m <sup>3</sup> )	Remarks	Unit	Serial number
3/10/2016						
1	7:47	8:02	0.061	South-14	8530113614	loading trucks
	7:50	8:05	0.048	North-08	8530095308	
2	8:48	9:03	0.05	South-14	8530113614	loading trucks
	8:49	9:04	0.041	North-08	8530095308	
3	9:19	9:34	0.048	South-14	8530113614	loading trucks
	9:21	9:36	0.041	North-08	8530095308	
4	10:14	10:29	0.046	South-14	8530113614	
	10:16	10:31	0.037	North-08	8530095308	
5	12:22	12:37	0.031	South-14	8530113614	lunch break
	12:24	12:39	0.034	North-08	8530095308	
6	13:16	13:31	0.031	South-14	8530113614	
	13:17	13:32	0.033	North-08	8530095308	
7	13:46	14:01	0.029	South-14	8530113614	
	13:47	14:02	0.032	North-08	8530095308	
8	14:31	14:46	0.025	South-14	8530113614	
	14:33	14:48	0.031	North-08	8530095308	

**Community Air Monitoring Plan Daily Data Sheet**  
**Paerdegat Basin Marinas and Docks Interim Remedial Measure**  
**National Grid**  
**Borough of Brookyn, New York, NY**

**Date** 3/11/2016

**Weather** 60s/ clear and sunny/ Nw and N wind 10-20 mph

**GEI staff onsite** Steve Nyczak

**Dust monitoring equipment zero checked?** Yes

<b>Site Activities</b>	consolidating waste material on dry pad
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<b>Response Level:</b>	100 ug/m <sup>3</sup>
<b>Action Level:</b>	150 ug/m <sup>3</sup>

[illegible]

**Community Air Monitoring Plan Daily Data Sheet**  
**Paerdegat Basin Marinas and Docks Interim Remedial Measure**  
**National Grid**  
**Borough of Brookyn, New York, NY**

**Date** 3/14/2016

**Weather** 40s/ clear and sunny/ SE and E wind 10-20 mph

**GEI staff onsite** Steve Nyczak

**Dust monitoring equipment zero checked? \_\_\_\_\_** Yes

<b>Site Activities</b>	consolidating waste material on dry pad
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loading waste material on trucks for offsite disposal

cleaning up waste material from construction area

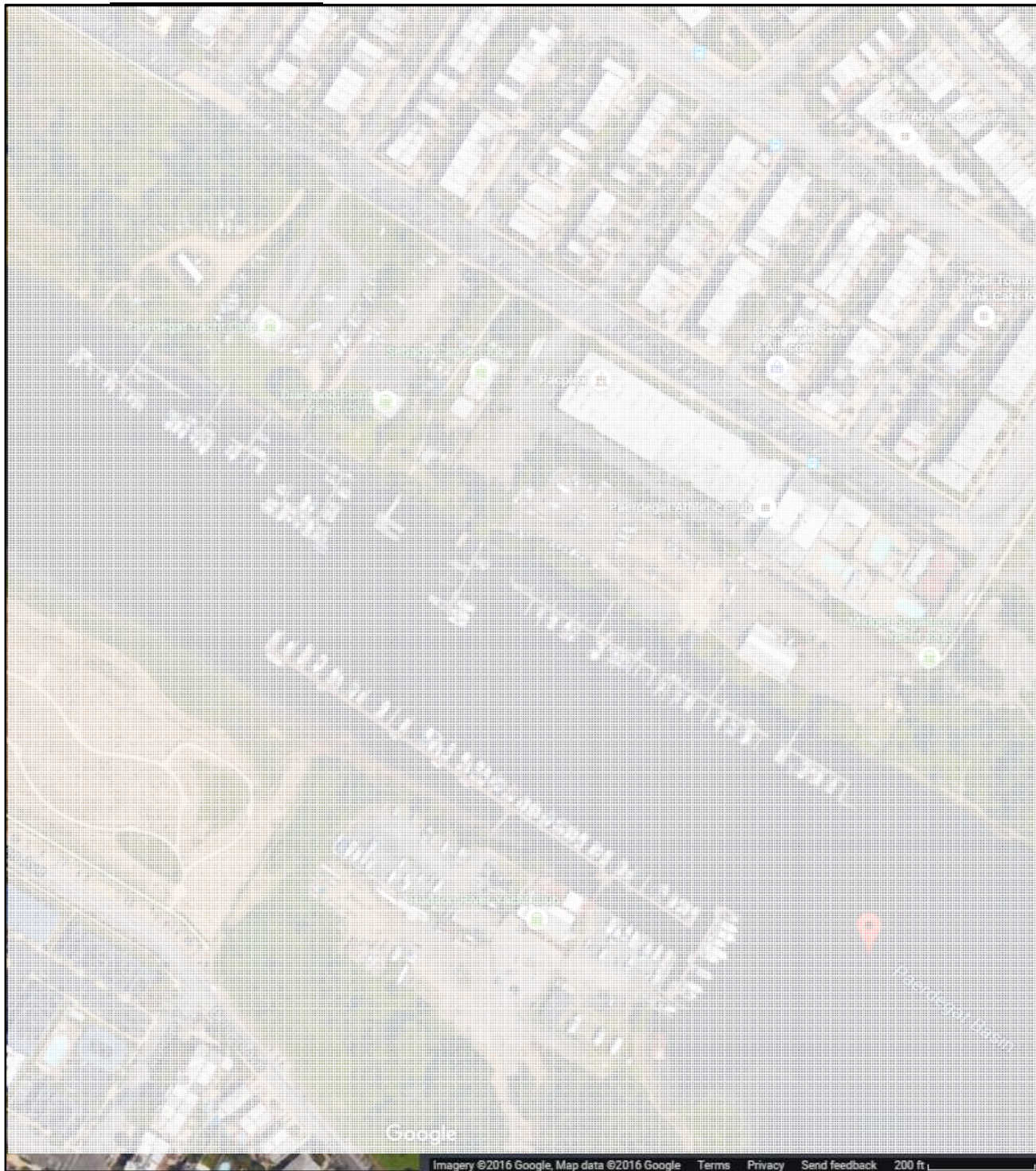
<b>Response Level:</b>	100 ug/m <sup>3</sup>
<b>Action Level:</b>	150 ug/m <sup>3</sup>

[illegible]



**Community Air Monitoring Plan Daily Data Sheet**  
**Paerdegat Basin Marinas and Docks Interim Remedial Measure**  
**National Grid**  
**Borough of Brooklyn, New York, NY**

**Date**



**Remarks:**

**Community Air Monitoring Plan Daily Data Sheet**  
**Paerdegat Basin Marinas and Docks Interim Remedial Measure**  
**National Grid**  
**Borough of Brookyn, New York, NY**

**Date** 3/14/2016

**Weather** 40s/ clear and sunny/ SE and E wind 10-20 mph

**GEI staff onsite** Steve Nyczak

**Dust monitoring equipment zero checked?** Yes

<b>Site Activities</b>	consolidating waste material on dry pad
------------------------	---

loading waste material on trucks for offsite disposal

cleaning up waste material from construction area

<b>Response Level:</b>	100 ug/m <sup>3</sup>
<b>Action Level:</b>	150 ug/m <sup>3</sup>

[illegible]

**Community Air Monitoring Plan Daily Data Sheet**  
**Paerdegat Basin Marinas and Docks Interim Remedial Measure**  
**National Grid**  
**Borough of Brookyn, New York, NY**

**Date** 3/18/2016

**Weather** 50s/ cloudy to sunny/ NW wind 5-20 mph

**GEI staff onsite** Steve Nyczak

**Dust monitoring equipment zero checked?** Yes

<b>Site Activities</b>	consolidating waste material on dry pad
------------------------	---

loading waste material on trucks for offsite disposal

cleaning up waste material from construction area

demolition of old marina building

construction of new docks and pilings

<b>Response Level:</b>	100 $\mu\text{g}/\text{m}^3$
<b>Action Level:</b>	150 $\mu\text{g}/\text{m}^3$

[illegible]

## **Appendix D**

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### **Turbidity Monitoring Reports**



## Paerdegat Basin

### Turbidity Monitoring Daily Testing Record

Date: 2/16/2016

GEI Technician: Steve Nyczak

Monitoring Point	Location in water column	Depth	NTUs	Average	Additional Notes
800 AM	Upper	1 ft			
	Mid-column				
	Lower				
10:00AM	Upper	1 ft			
	Mid-column	3 ft	0	0	Total Depth of test point: 5 ft
	Lower				Measurement only for testing purposes
12:30PM	Upper	1 foot			
	Mid-column				
	Lower				
2:30PM	Upper	1 foot			
	Mid-column				
	Lower				

Reference Point	Location in water column	Depth	NTUs	Average	Additional Notes
800 AM	Upper	1 foot			
	Mid-column				
	Lower				
10:00AM	Upper	1 foot			
	Mid-column				
	Lower				
12:30PM	Upper	1 foot			
	Mid-column				
	Lower				
2:30PM	Upper	1 foot			
	Mid-column				
	Lower				

## Paerdegat Basin

### Turbidity Monitoring Daily Testing Record

Date: 2/18/2016

GEI Technician: Steve Nyczak

Monitoring Point	Location in water column	Depth	NTUs	Average	Additional Notes
9:45 AM	Upper	1 foot	0		Total depth of test point 10.5 feet
	Mid-column	5 foot	0		
	Lower	9 foot	0	0	
11:15 AM	Upper	1 foot	0		
	Mid-column	5 foot	0		
	Lower	9 foot	0	0	
1:30 PM	Upper	1 foot	0		
	Mid-column	5 foot	0		
	Lower	9 foot	0	0	
2:30 PM	Upper	1 foot	3.1		recalibrated
	Mid-column	5 foot	2.9		
	Lower	9 foot	3.0	3.0	

Reference Point	Location in water column	Depth	NTUs	Average	Additional Notes
9:45 AM	Upper	1 foot	0		Depth of survey point 10.5 feet
	Mid-column	5 foot	0		
	Lower	9 foot	0	0	
11:15 AM	Upper	1 foot	0		
	Mid-column	5 foot	0		
	Lower	9 foot	0	0	
1:30PM	Upper	1 foot	0		
	Mid-column	5 foot	0		
	Lower	9 foot	0	0	
2:30PM	Upper	1 foot	3.1		recalibrated
	Mid-column	5 foot	2.2		
	Lower	9 foot	3.3	3.2	

**Paerdegat Basin**  
**Turbidity Monitoring**  
**Daily Testing Record**

Date: 2/19/2016

GEI Technician: Steve Nyczak

Time	Monitoring pt. 15ft/curtain (NTU's)	Depth	Time	Reference pt. >200ft/curtain (NTU's)	Depth	Additional Notes
Sample 1	2.0	1 foot	Sample 1	1.6	1 foot	
8:00AM	2.1	5 foot	8:00AM	2.1	5 foot	
10.5 ft.	2.2	9 foot	10.5 ft.	2.6	9 foot	
	<b>Avg. 2.1</b>			<b>Avg. 2.1</b>		
Sample 2	1.6	1 foot	Sample 2	1.8	1 foot	
10:00AM	2.4	5 foot	10:00AM	2.0	5 foot	
10.5 ft.	2.2	9 foot	10.5 ft.	2.2	9 foot	
	<b>Avg. 2.066</b>			<b>Avg. 2.0</b>		
Sample 3	2.5	1 foot	Sample 3	1.7	1 foot	
11:45 AM	2.8	5 foot	11:45 AM	2.3	5 foot	
10.5 ft.	2.8	9 foot	10.5 ft.	2.5	9 foot	
	<b>Avg. 2.7</b>			<b>Avg. 2.166</b>		
Sample 4	1.8	1 foot	Sample 4	2.1	1 foot	Mid channel
2:00 PM	1.3	5 foot	2:00 PM	2.0	6 foot	Barge repositioning
10.5 ft.	2.0	9 foot	12 ft.	1.9	10 foot	...in progress
	<b>Avg. 1.7</b>			<b>Avg. 2.0</b>		
			Sample 5	1.8	1 foot	Upstream of work
			2:15 PM	2.1	6 foot	
			12 ft.	2.0	10 foot	
				<b>Avg. 1.966</b>		

Sample Number	Monitoring Point Average Value	Reference Point Average Value	Difference in Values	Exceeds Permissible Value?
1	2.1	2.1	0	No
2	2.066	2	0.066	No
3	2.7	2.166	0.534	No
4	1.7	2	-0.3	No

Reference Location Turbidity (NTUs)	Permissible Turbidity Increase for the Monitoring Location (NTU)
<10	Reference plus 20 NTUs
11-20	Reference plus 15 NTUs
>21	Reference plus 30% of reference

Paerdegat Basin  
Turbidity Monitoring  
Daily Testing Record

Date: 2/22/2016  
GEI Technician: Steve Nyczak

Time	Monitoring pt. 15ft/curtain (NTU's)	Depth	Time	Reference pt. >200ft/curtain (NTU's)	Depth	Additional Notes
Sample 1	1.0	1 ft.	Sample 1	1.3	1 ft.	
9:15AM	1.6	6 ft.	9:30AM	2.1	8 ft.	
12 ft.	1.9	10 ft.	17 ft.	2.2	15 ft.	
	<b>Avg. 1.5</b>			<b>Avg. 1.93</b>		
Sample 2	1.3	1 ft.	Sample 2	0.9	1 foot	
11:45 AM	1.3	5 ft.	11:50 AM	1.1	7 foot	
12 ft.	1.4	10 ft.	16 ft.	2.1	12 foot	
	<b>Avg. 1.333</b>			<b>Avg. 1.366</b>		Low tide
Sample 3	0.9	1 foot	Sample 3	0.4	1 foot	
1:40 AM	1.6	4 foot	1:45 AM	0.6	5 foot	Re-calibrated
8 ft.	2.1	7 foot	11 ft.	1.1	10 foot	Lowest water level
	<b>Avg. 1.533</b>			<b>Avg. 0.7</b>		Tide coming in
Sample 4			Sample 4	0.3	1 foot	
			2:30 PM	0.4	6 foot	Barge repositioning
			11 ft.	1.2	10 foot	No post work.
	<b>Avg.</b>			<b>Avg. 0.633</b>		No curtain.

Sample Number	Monitoring Point Average Value	Reference Point Average Value	Monitoring – Reference	Exceeds Permissible Value?
1	1.5	1.93	-0.43	No
2	1.333	1.366	-0.033	No
3	1.533	0.7	0.833	No
4		0.633	--	N/A

Reference Location Turbidity (NTUs)	Permissible Turbidity Increase for the Monitoring Location (NTU)
<10	Reference plus 20 NTUs
11-20	Reference plus 15 NTUs
>21	Reference plus 30% of reference

**Paerdegat Basin**  
**Turbidity Monitoring**  
**Daily Testing Record**

Date: 2/23/2016  
GEI Technician: Steve Nyczak

Time	Monitoring pt. 15ft/curtain (NTU's)	Depth	Time	Reference pt. >200ft/curtain (NTU's)	Depth	Additional Notes
Sample 1	1.3	1 ft.	Sample 1	0.7	1 ft.	High tide
8:10AM	1.3	6 ft.	8:15AM	1.2	7 ft.	
12 ft.	2.0	10 ft.	18 ft.	1.2	16 ft.	
	<b>Avg. 1.533</b>			<b>Avg. 1.366</b>		
Sample 2	0.6	1 ft.	Sample 2	0.7	1 foot	
10:15 AM	0.7	5 ft.	10:20 AM	1.0	6 foot	
12 ft.	1.1	10 ft.	17 ft.	1.1	13 foot	
	<b>Avg. 0.8</b>			<b>Avg. 0.933</b>		
Sample 3	1.1	1 ft.	Sample 3	0.6	1 foot	Rainfall-runoff
12:40 AM	0.7	6 ft.	12:45 AM	0.7	6 foot	
11 ft.	0.7	10 ft.	17 ft.	1.0	13 foot	
	<b>Avg. 0.833</b>			<b>Avg. 0.766</b>		
Sample 4			Sample 4			Crane work stopped
						Because of weather
						No sample necessary
	<b>Avg.</b>			<b>Avg.</b>		

Sample Number	Monitoring Point Average Value	Reference Point Average Value	Monitoring – Reference	Exceeds Permissible Value?
1	1.533	1.366	0.167	No
2	0.8	0.933	-0.133	No
3	0.833	0.766	0.067	No
4	-	-	-	N/A

Reference Location Turbidity (NTUs)	Permissible Turbidity Increase for the Monitoring Location (NTU)
<10	Reference plus 20 NTUs
11-20	Reference plus 15 NTUs
>21	Reference plus 30% of reference

Paerdegat Basin  
Turbidity Monitoring  
Daily Testing Record

Date: 2/24/2016  
GEI Technician: Steve Nyczak

Time	Monitoring pt. 15ft/curtain (NTU's)	Depth	Time	Reference pt. >200ft/curtain (NTU's)	Depth	Additional Notes
Sample 1	0.5	1 ft.	Sample 1	0.5	1 ft.	
10:30AM	0.6	6 ft.	10:35AM	0.5	7 ft.	
13 ft.	0.7	10 ft.	15 ft.	0.5	13 ft.	
	<b>Avg. 0.6</b>			<b>Avg. 0.5</b>		
Sample 2	0.7	1 ft.	Sample 2	1.0	1 foot	Break in rain
2:15 PM	1.1	5 ft.	2:20 PM	0.7	5 foot	
10 ft.	0.7	9 ft.	11 ft.	1.0	10 foot	
	<b>Avg. 0.833</b>			<b>Avg. 0.9</b>		
Sample 3	0.6	1 foot	Sample 3	2.5	1 foot	
3:00 PM	0.6	3 foot	3:05 AM	0.6	5 foot	
6 ft.	0.8	5 foot	11 ft.	0.6	10 foot	
	<b>Avg. 0.677</b>			<b>Avg. 1.233</b>		
Sample 4			Sample 4			Only 3 tests
						Because of gap in
						PM for bad weather
	<b>Avg.</b>			<b>Avg.</b>		

Sample Number	Monitoring Point Average Value	Reference Point Average Value	Monitoring – Reference	Exceeds Permissible Value?
1	0.6	0.5	0.1	No
2	0.833	0.9	-0.067	No
3	0.677	1.233	-0.556	No
4				

Reference Location Turbidity (NTUs)	Permissible Turbidity Increase for the Monitoring Location (NTU)
<10	Reference plus 20 NTUs
11-20	Reference plus 15 NTUs
>21	Reference plus 30% of reference

**Paerdegat Basin**  
**Turbidity Monitoring**  
**Daily Testing Record**

Date: 2/25/2016  
GEI Technician: Steve Nyczak

Time	Monitoring pt. 15ft/curtain (NTU's)	Depth	Time	Reference pt. >200ft/curtain (NTU's)	Depth	Additional Notes
Sample 1	2.1	1 ft.	Sample 1	1.8	1 ft.	
8:30AM	2.1	5 ft.	8:35AM	1.8	6 ft.	
12 ft.	1.8	11 ft.	15 ft.	2.0	13 ft.	
	<b>Avg. 2.0</b>			<b>Avg. 1.866</b>		
Sample 2	3.1	1 ft.	Sample 2	1.8	1 foot	
1:05 PM	3.0	3 ft.	1:10 PM	2.1	5 foot	
6 ft.	2.7	5 ft.	11 ft.	2.0	9 foot	
	<b>Avg. 2.933</b>			<b>Avg. 1.966</b>		
Sample 3	4.5	1 foot	Sample 3	1.6	1 foot	
2:10 AM	2.0	5 foot	2:15 AM	1.6	6 foot	
9 ft.	1.4	8 foot	12 ft.	1.1	10 foot	
	<b>Avg. 2.633</b>			<b>Avg. 1.433</b>		
Sample 4	4.4	1 foot	Sample 4	2.2	1 foot	
3:00	2.0	5 foot	3:05 PM	1.5	6 foot	
9 ft.	1.9	8 foot	12 ft.	1.2	10 foot	
	<b>Avg. 2.766</b>			<b>Avg. 1.633</b>		

Sample Number	Monitoring Point Average Value	Reference Point Average Value	Monitoring – Reference	Exceeds Permissible Value?
1	2.0	1.866	0.134	No
2	2.933	1.966	0.967	No
3	2.633	1.433	1.2	No
4	2.766	1.633	1.133	No

Reference Location Turbidity (NTUs)	Permissible Turbidity Increase for the Monitoring Location (NTU)
<10	Reference plus 20 NTUs
11-20	Reference plus 15 NTUs
>21	Reference plus 30% of reference

**Paerdegat Basin**  
**Turbidity Monitoring**  
**Daily Testing Record**

Date: 2/29/2016  
GEI Technician: Steve Nyczak

Time	Monitoring pt. 15ft/curtain (NTU's)	Depth	Time	Reference pt. >200ft/curtain (NTU's)	Depth	Additional Notes
Sample 1	2.0	1 ft.	Sample 1	1.1	1 ft.	
9:00AM	1.6	5 ft.	9:05AM	1.0	7 ft.	
10 ft.	1.5	8 ft.	16 ft.	1.1	15 ft.	
	<b>Avg. 1.7</b>			<b>Avg. 1.066</b>		
Sample 2	1.1	1 ft.	Sample 2	1.0	1 foot	
12:15 PM	1.0	7 ft.	12:20 PM	0.5	6 foot	
15 ft.	0.9	13 ft.	13 ft.	0.9	11 foot	
	<b>Avg. 1.0</b>			<b>Avg. 0.8</b>		
Sample 3	1.6	1 ft.	Sample 3	1.4	1 foot	
1:20 PM	1.4	6 ft.	1:25 PM	1.3	8 foot	
12 ft.	1.9	11 ft.	16 ft.	1.1	15 foot	
	<b>Avg. 1.633</b>			<b>Avg. 1.266</b>		
Sample 4	2.0	1 ft.	Sample 4	1.0	1 foot	
2:05 PM	1.5	8 ft.	2:10 PM	0.7	6 foot	
14 ft	1.7	13 ft.	16 ft.	1.1	10 foot	
	<b>Avg. 1.733</b>			<b>Avg. 0.933</b>		

Sample Number	Monitoring Point Average Value	Reference Point Average Value	Monitoring – Reference	Exceeds Permissible Value?
1	1.7	1.066	0.633	No
2	1.0	0.8	0.2	No
3	1.633	1.266	0.367	No
4	1.733	0.933	0.8	No

Reference Location Turbidity (NTUs)	Permissible Turbidity Increase for the Monitoring Location (NTU)
<10	Reference plus 20 NTUs
11-20	Reference plus 15 NTUs
>21	Reference plus 30% of reference



**Paerdegat Basin**  
**Turbidity Monitoring**  
**Daily Testing Record**

Date: 3/1/2016  
GEI Technician: Steve Nyczak

Time	Monitoring pt. 15ft/curtain (NTU's)	Depth	Time	Reference pt. >200ft/curtain (NTU's)	Depth	Additional Notes
Sample 1	2.1	1 ft.	Sample 1	1.9	1 ft.	
8:10AM	2.1	6 ft.	8:15AM	1.7	8 ft.	
15 ft.	1.8	13 ft.	17 ft.	1.2	15 ft.	
	<b>Avg. 2.0</b>			<b>Avg. 1.6</b>		
Sample 2	2.1	1 ft.	Sample 2	1.7	1 ft.	
10:15 AM	1.8	8 ft.	10:20 AM	1.9	9 ft.	
18 ft.	1.8	16 ft.	19 ft.	1.7	17 ft.	
	<b>Avg. 1.9</b>			<b>Avg. 1.766</b>		
Sample 3	1.9	1 ft.	Sample 3	1.4	1 ft.	
12:20 PM	1.4	4 ft.	12:25 AM	1.4	8 ft.	
9 ft.	1.8	8 ft.	17 ft.	1.9	16 ft.	
	<b>Avg. 1.7</b>			<b>Avg. 1.566</b>		
Sample 4	3.3	1 ft.	Sample 4	1.2	1 ft.	
2:30PM	3.3	3 ft.	2:35 PM	1.2	8 ft.	
6 ft.	4.2	5 ft.	17 ft.	1.7	16 ft.	
	<b>Avg. 3.6</b>			<b>Avg. 1.366</b>		

Sample Number	Monitoring Point Average Value	Reference Point Average Value	Monitoring – Reference	Exceeds Permissible Value?
1	2.0	1.6	0.4	No
2	1.9	1.766	0.134	No
3	1.7	1.566	0.134	No
4	3.6	1.366	2.234	No

Reference Location Turbidity (NTUs)	Permissible Turbidity Increase for the Monitoring Location (NTU)
<10	Reference plus 20 NTUs
11-20	Reference plus 15 NTUs
>21	Reference plus 30% of reference

**Paerdegat Basin  
Turbidity Monitoring  
Daily Testing Record**

Date: 3/3/2016  
GEI Technician: Steve Nyczak

Time	Monitoring pt. 15ft/curtain (NTU's)	Depth	Time	Reference pt. >200ft/curtain (NTU's)	Depth	Additional Notes
Sample 1	3.3	1 ft.	Sample 1	2.7	1 ft.	
8:35AM	3.4	5 ft.	8:40AM	2.7	8 ft.	
9 ft.	3.0	8 ft.	15 ft.	2.6	14 ft.	
	<b>Avg. 3.233</b>			<b>Avg. 2.677</b>		Long break from
Sample 2	4.2	1 ft.	Sample 2	3.3	1 ft.	Decon until 2pm
10:15 AM	4.0	5 ft.	10:20 AM	2.7	8 ft.	
9 ft.	3.7	8 ft.	17 ft.	2.4	15 ft.	Last pilings pulled
	<b>Avg. 3.966</b>			<b>Avg. 2.8</b>		

Sample Number	Monitoring Point Average Value	Reference Point Average Value	Monitoring – Reference	Exceeds Permissible Value?
1	3.233	2.677	0.556	No
2	3.966	2.8	1.166	No

Reference Location Turbidity (NTUs)	Permissible Turbidity Increase for the Monitoring Location (NTU)
<10	Reference plus 20 NTUs
11-20	Reference plus 15 NTUs
>21	Reference plus 30% of reference

## Appendix E

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### Daily Reports

# FIELD OBSERVATION REPORT

**Project :** Paerdegat Basin  
**Client :** National Grid  
**Contractor:** JT Cleary / H2M

**Date:** Tues. Feb 16, 2016  
**Report No.** 1  
**Page:** Page 1 of 3  
**GEI Proj. No.** 129600

---

**Time of Arrival:** 7:10 a.m.      **Departure:** 1:30 p.m.      **Weather:** 40s-50s cloudy and rainy

## GEI Representatives

- Steve Nyczak
- Brian Skelly

## Persons Contacted, Company

- Martin Camilleri H2M
- Chris Wygant JT Cleary

**Purpose of Site Visit:** dust monitoring and turbidity monitoring

## Observations

### 1. Air Monitoring

The two dust trak monitors were set up, calibrated, and tested today. No construction/demolition work took place today because of weather and delayed equipment delivery. Since no contaminated dock material was removed or repositioned, there was no need to monitor dust all day. We used the day to make sure our equipment was functioning well.

Daily data collection report is attached.

Action Levels Exceeded:      Yes                      No    X

Objection Odors Observed:    Yes                      No    X

(If any values exceeded indicate persons notified, time notified and corrective actions taken)

### 2. Turbidity Monitoring

Since no work was done on the contaminated docks or any work in the water for that matter, no turbidity testing was necessary today. We used the day to make sure the sonde-sensor was calibrated and working. We set it up and took a preliminary test in shallow water near the docks adjacent to the construction staging area. Our equipment is ready for daily monitoring.

Daily data collection report is attached.

Turbidity Standards Exceeded:      Yes                      No    X

Sheens Observed:                      Yes                      No    X

Samples Collected:                      Yes                      No    X

(If standards exceeded or sheens observed indicate persons notified, time notified and corrective actions taken)

(If samples collected describe and attach COC)

# FIELD OBSERVATION REPORT

**Project :** Paerdegat Basin  
**Client :** National Grid  
**Contractor:** JT Cleary / H2M

**Date:** Tues. Feb 16, 2016  
**Report No.** 1  
**Page:** Page 2 of 3  
**GEI Proj. No.** 129600

---

## 3. Demolition and Disposal Activities

Demolition and disposal activities completed include the following:

- Launched boat
- Planning meeting for week's work

### Relevant Photos



# FIELD OBSERVATION REPORT

**Project :** Paerdegat Basin  
**Client :** National Grid  
**Contractor:** JT Cleary / H2M

**Date:** Tues. Feb 16, 2016  
**Report No.** 1  
**Page:** Page 3 of 3  
**GEI Proj. No.** 129600

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# FIELD OBSERVATION REPORT

**Project :** Paerdegat Basin  
**Client :** National Grid  
**Contractor:** JT Cleary / H2M

**Date:** Wed. Feb 17, 2016  
**Report No.** 1  
**Page:** Page 1 of 4  
**GEI Proj. No.** 129600

---

**Time of Arrival:** 7:15 a.m.      **Departure:** 3:30 p.m.      **Weather:** 40s cloudy and sunny, east wind

## GEI Representatives

- Steve Nyczak

## Persons Contacted, Company

- Martin Camilleri H2M
- Chris Wygant JT Cleary

**Purpose of Site Visit:** dust monitoring and turbidity monitoring

## Observations

### 1. Air Monitoring

Both Dust Trak monitors were set up at upwind and downwind ends of the site. No contaminated dock material was being moved today, but we took the opportunity to get a full day's worth of measurements for future comparison.

Daily data collection report is attached.

Action Levels Exceeded:	Yes	No	X
Objection Odors Observed:	Yes	No	X

(If any values exceeded indicate persons notified, time notified and corrective actions taken)

### 2. Turbidity Monitoring

No work was done on contaminated dock posts today. We are still waiting for the barge and turbidity curtain to be set up. Until that time, full turbidity monitoring is not required.

Daily data collection report is attached.

Turbidity Standards Exceeded:	Yes	No	N/A
Sheens Observed:	Yes	No	N/A
Samples Collected:	Yes	No	N/A

(If standards exceeded or sheens observed indicate persons notified, time notified and corrective actions taken)  
(If samples collected describe and attach COC)

### 3. Demolition and Disposal Activities

Demolition and disposal activities completed include the following:



# FIELD OBSERVATION REPORT

**Project :** Paerdegat Basin  
**Client :** National Grid  
**Contractor:** JT Cleary / H2M

**Date:** Wed. Feb 17, 2016  
**Report No.** 1  
**Page:** Page 2 of 4  
**GEI Proj. No.** 129600

- Existing floating docks were cut and floated to construction/staging area with an 18 ft. boat.
- Waste dock material was picked up with an excavator and left on the drying pad.

## Relevant Photos



**Photo 1:** Downwind Dust Trak Monitor Facing SW



# FIELD OBSERVATION REPORT

**Project :** Paerdegat Basin  
**Client :** National Grid  
**Contractor:** JT Cleary / H2M

**Date:** Wed. Feb 17, 2016  
**Report No.** 1  
**Page:** Page 3 of 4  
**GEI Proj. No.** 129600



**Photo 2:** Excavator Carrying Floating Dock Material to Drying Pad Facing NE

# FIELD OBSERVATION REPORT

**Project :** Paerdegat Basin  
**Client :** National Grid  
**Contractor:** JT Cleary / H2M

**Date:** Wed. Feb 17, 2016  
**Report No.** 1  
**Page:** Page 4 of 4  
**GEI Proj. No.** 129600



**Photo 3: Floating Dock Material on Drying Pad Facing SW**

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# FIELD OBSERVATION REPORT

**Project :** Paerdegat Basin  
**Client :** National Grid  
**Contractor:** JT Cleary / H2M

**Date:** Thu. Feb 18, 2016  
**Report No.** 1  
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**GEI Proj. No.** 129600

---

**Time of Arrival:** 7:15 a.m.      **Departure:** 3:30 p.m.      **Weather:** 40s clear and sunny, NW wind

## GEI Representatives

- Steve Nyczak

## Persons Contacted, Company

- Martin Camilleri H2M
- Chris Wygant JT Cleary

**Purpose of Site Visit:** dust monitoring and turbidity monitoring

## Observations

### 1. Air Monitoring

Both Dust Trak monitors were set up at upwind and downwind ends of the site. There was little activity at the construction site. Waste dock material was periodically picked up at the boat ramp and taken to the drying pad. Most of the work crew was near the barge and crane.

Daily data collection report is attached.

Action Levels Exceeded:	Yes	No	X
Objection Odors Observed:	Yes	No	X

(If any values exceeded indicate persons notified, time notified and corrective actions taken)

### 2. Turbidity Monitoring

The barge was delivered and Turbidity Curtain set up from the barge to the shore (surrounding the downstream border of the work area. Using access to adjacent docks, turbidity measurements were taken 15 ft from the curtain and 200 ft for reference. Data from both points was consistent all day. There was no evidence of extra turbidity due to construction activity.

Daily data collection report is attached.

Turbidity Standards Exceeded:	Yes	No	X
Sheens Observed:	Yes	No	X
Samples Collected:	Yes	No	X

(If standards exceeded or sheens observed indicate persons notified, time notified and corrective actions taken)  
(If samples collected describe and attach COC)

### 3. Demolition and Disposal Activities



# FIELD OBSERVATION REPORT

**Project :** Paerdegat Basin  
**Client :** National Grid  
**Contractor:** JT Cleary / H2M

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Demolition and disposal activities completed include the following:

- Existing floating docks were cut and floated to construction/staging area with an 18 ft. boat.
- Turbidity Curtain was set up downstream of the barge and work area.
- Crane began pulling posts out of the ground, and sent to construction area boat ramp.
- Waste dock material was picked up with an excavator and left on the drying pad.

## Relevant Photos



**Photo 1:** Downwind Dust Trak Monitor Facing N

## FIELD OBSERVATION REPORT

**Project :** Paerdegat Basin  
**Client :** National Grid  
**Contractor:** JT Cleary / H2M

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**Photo 2:** Turbidity Curtain and Barge Facing SW

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**Client :** National Grid  
**Contractor:** JT Cleary / H2M

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**Photo 3:** Barge and Crane Facing W

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# FIELD OBSERVATION REPORT

**Project :** Paerdegat Basin  
**Client :** National Grid  
**Contractor:** JT Cleary / H2M

**Date:** Fri. Feb 19, 2016  
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**Time of Arrival:** 7:15 a.m.      **Departure:** 3:30 p.m.      **Weather:** 30s clear/ sunny, SE wind 0-10mph

## GEI Representatives

- Steve Nyczak

## Persons Contacted, Company

- Martin Camilleri H2M
- Chris Wygant JT Cleary

**Purpose of Site Visit:** dust monitoring and turbidity monitoring

## Observations

### 1. Air Monitoring

Both Dust Trak monitors were set up at upwind and downwind ends of the site. There was little activity at the construction site. Waste dock material was periodically picked up at the boat ramp and taken to the drying pad. Most of the work crew was near the barge and crane. Readings at both Dust Traks were low today. Measurements stayed below 0.020 ug/m<sup>3</sup> all day.

Daily data collection report is attached.

Action Levels Exceeded:      Yes                      No    X

Objection Odors Observed:    Yes                      No    X

(If any values exceeded indicate persons notified, time notified and corrective actions taken)

### 2. Turbidity Monitoring

Work continued on cutting floating docks and towing them to the construction yard boat ramp. The crane and barge continued pulling wood posts and floating them. The turbidity curtain was set up from the barge edge to the shore on the downstream edge of the work area. It is removed and reattached when the barge is repositioned. Turbidity measurements were taken 15 ft from the curtain and 200 ft for reference. Data from both points was consistent all day. There was no evidence of extra turbidity due to construction activity. NTU readings were between 0-4 at each depth and point all day.

Daily data collection report is attached.

Turbidity Standards Exceeded:      Yes                      No    X

Sheens Observed:                      Yes                      No    X

Samples Collected:                      Yes                      No    X

(If standards exceeded or sheens observed indicate persons notified, time notified and corrective actions taken)

(If samples collected describe and attach COC)

# FIELD OBSERVATION REPORT

**Project :** Paerdegat Basin  
**Client :** National Grid  
**Contractor:** JT Cleary / H2M

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## 3. Demolition and Disposal Activities

Demolition and disposal activities completed include the following:

- Existing floating docks were cut and floated to construction/staging area with an 18 ft. boat.
- Turbidity Curtain was set up downstream of the barge and work area.
- Crane pulled posts out of the ground, and sent to construction area boat ramp.
- Waste dock material was picked up with an excavator and left on the drying pad
- Barge was repositioned as needed to continue work upstream.

## Relevant Photos



**Photo 1:** Barge and Crane from Kayak NW



## FIELD OBSERVATION REPORT

**Project :** Paerdegat Basin  
**Client :** National Grid  
**Contractor:** JT Cleary / H2M

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**Photo 2:** North Dust Trak (08) W

# FIELD OBSERVATION REPORT

**Project :** Paerdegat Basin  
**Client :** National Grid  
**Contractor:** JT Cleary / H2M

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**Photo 3:** Posts on Drying Pad W

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# FIELD OBSERVATION REPORT

**Project :** Paerdegat Basin  
**Client :** National Grid  
**Contractor:** JT Cleary / H2M

**Date:** Mon. Feb 22, 2016  
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---

**Time of Arrival:** 7:15 a.m.      **Departure:** 3:30 p.m.      **Weather:** 50s clear/ sunny, NW wind 0-10mph

## GEI Representatives

- Steve Nyczak

## Persons Contacted, Company

- Martin Camilleri H2M
- Chris Wygant JT Cleary

**Purpose of Site Visit:** dust monitoring and turbidity monitoring

## Observations

### 1. Air Monitoring

Both Dust Trak monitors were set up at upwind and downwind ends of the site. Waste dock material was regularly picked up at the boat ramp and taken to the drying pad. Most of the work crew was near the barge and crane. Readings at both Dust Traks were below 0.050 ug/m<sup>3</sup> all day. The averages were below 0.02 all day, but there was one outlier reading of 0.047 at 14:05. Today the particulate matter in the air was well below action levels, but the slight increase in measurements could be due to warmer weather and increased workload at the construction area.

Daily data collection report is attached.

Action Levels Exceeded:      Yes                      No    X  
Objection Odors Observed:    Yes                      No    X (only exhaust from excavator)  
(If any values exceeded indicate persons notified, time notified and corrective actions taken)

### 2. Turbidity Monitoring

Work continued on cutting floating docks and towing them to the construction yard boat ramp. The crane and barge continued pulling wood posts and floating them. The turbidity curtain was set up from the barge edge to the shore on the downstream edge of the work area. It is removed and reattached when the barge is repositioned. Turbidity measurements were taken 15 ft from the curtain and 200 ft for reference. Data from both points was consistent all day. There was no evidence of extra turbidity due to construction activity. NTU readings were between 0-4 at each depth and point all day.

Daily data collection report is attached.

Turbidity Standards Exceeded:      Yes                      No    X  
Sheens Observed:                      Yes                      No    X  
Samples Collected:                      Yes                      No    X



# FIELD OBSERVATION REPORT

**Project :** Paerdegat Basin  
**Client :** National Grid  
**Contractor:** JT Cleary / H2M

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(If standards exceeded or sheens observed indicate persons notified, time notified and corrective actions taken)  
(If samples collected describe and attach COC)

## 3. Demolition and Disposal Activities

Demolition and disposal activities completed include the following:

- Existing floating docks were cut and floated to construction/staging area with an 18 ft. boat.
- Turbidity Curtain was set up downstream of the barge and work area.
- Crane pulled posts out of the ground, and sent to construction area boat ramp.
- Waste dock material was picked up with an excavator and left on the drying pad
- Barge was repositioned as needed to continue work up the basin.

## Relevant Photos



**Photo 1:** Barge and Crane from Kayak NW

## FIELD OBSERVATION REPORT

**Project :** Paerdegat Basin  
**Client :** National Grid  
**Contractor:** JT Cleary / H2M

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**Photo 2:** Turbidity Sonde SE

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# FIELD OBSERVATION REPORT

**Project :** Paerdegat Basin  
**Client :** National Grid  
**Contractor:** JT Cleary / H2M

**Date:** Tue. Feb 23, 2016  
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**Time of Arrival:** 7:15 a.m.      **Departure:** 3:30 p.m.      **Weather:** 40s cloudy/rainy, SE wind 5-15mph

## GEI Representatives

- Steve Nyczak

## Persons Contacted, Company

- Martin Camilleri H2M
- Chris Wygant JT Cleary

**Purpose of Site Visit:** dust monitoring and turbidity monitoring

## Observations

### 1. Air Monitoring

Both Dust Trak monitors were set up at upwind and downwind ends of the site. Waste dock material was regularly picked up at the boat ramp and taken to the drying pad. Most of the work crew was near the barge and crane. Readings at both Dust Traks were below 0.030 ug/m<sup>3</sup> all day. The averages were below 0.025 all day. Rain likely helped moderate any dust caused from deconstruction.

Daily data collection report is attached.

Action Levels Exceeded:      Yes                      No    X  
Objection Odors Observed:    Yes                      No    X (only exhaust from excavator)  
(If any values exceeded indicate persons notified, time notified and corrective actions taken)

### 2. Turbidity Monitoring

Work continued on cutting floating docks and towing them to the construction yard boat ramp. The crane and barge continued pulling wood posts and floating them. The turbidity curtain was set up from the barge edge to the shore on the downstream edge of the work area. It is removed and reattached when the barge is repositioned. Turbidity measurements were taken 15 ft from the curtain and 200 ft for reference. Data from both points was consistent all day. There was no evidence of extra turbidity due to construction activity. NTU readings were between 0-4 at each depth and point all day. There were only 3 tests today because the crane work stopped early for bad weather.

Daily data collection report is attached.

Turbidity Standards Exceeded:      Yes                      No    X  
Sheens Observed:                      Yes                      No    X  
Samples Collected:                      Yes                      No    X  
(If standards exceeded or sheens observed indicate persons notified, time notified and corrective actions taken)

# FIELD OBSERVATION REPORT

**Project :** Paerdegat Basin  
**Client :** National Grid  
**Contractor:** JT Cleary / H2M

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(If samples collected describe and attach COC)

## 3. Demolition and Disposal Activities

Demolition and disposal activities completed include the following:

- Existing floating docks were cut and floated to construction/staging area with an 18 ft. boat.
- Turbidity Curtain was set up downstream of the barge and work area.
- Crane pulled posts out of the ground, and sent to construction area boat ramp.
- Waste dock material was picked up with an excavator and left on the drying pad
- Barge was repositioned as needed to continue work up the basin.

## Relevant Photos



**Photo 1:** Barge and Crane from Kayak NW

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# FIELD OBSERVATION REPORT

**Project :** Paerdegat Basin  
**Client :** National Grid  
**Contractor:** JT Cleary / H2M

**Date:** Wed. Feb 24, 2016  
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**Time of Arrival:** 7:00 a.m.      **Departure:** 3:30 p.m.      **Weather:** 40s cloudy/rainy, E and SE wind 5-15mph

## GEI Representatives

- Steve Nyczak

## Persons Contacted, Company

- Martin Camilleri H2M
- Chris Wygant JT Cleary

**Purpose of Site Visit:** dust monitoring and turbidity monitoring

## Observations

### 1. Air Monitoring

Both Dust Trak monitors were set up at upwind and downwind ends of the site. Waste dock material was regularly picked up at the boat ramp and taken to the drying pad. Most of the work crew was near the barge and crane. Readings at both Dust Traks were below 0.050 ug/m<sup>3</sup> all day. Rain likely helped moderate any dust caused from deconstruction. However the higher than normal measurements today were probably a result of the first dump truck being filled with waste material. The south Dusttrak was close to the truck and excavator which was breaking up the waste material with each load for the truck. This extra disturbance likely caused the jump in particulate matter in the air. Measurements stopped an hour early today because the construction crew stopped for bad weather.

Daily data collection report is attached.

Action Levels Exceeded:      Yes                      No      X  
Objection Odors Observed:      Yes                      No      X (only exhaust from excavator)  
(If any values exceeded indicate persons notified, time notified and corrective actions taken)

### 2. Turbidity Monitoring

Work continued on cutting floating docks and towing them to the construction yard boat ramp. The crane and barge continued pulling wood posts and floating them. The turbidity curtain was set up from the barge edge to the shore on the downstream edge of the work area. It is removed and reattached when the barge is repositioned. Turbidity measurements were taken 15 ft from the curtain and 200 ft for reference. Data from both points was consistent all day. There was no evidence of extra turbidity due to construction activity. NTU readings were between 0-4 at each depth and point all day. There were only three measurements today because of the dump truck being at the construction site in the morning, and the gap in the afternoon that there was no activity in the water due to bad weather.

# FIELD OBSERVATION REPORT

**Project :** Paerdegat Basin  
**Client :** National Grid  
**Contractor:** JT Cleary / H2M

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Daily data collection report is attached.

Turbidity Standards Exceeded:	Yes	No	X
Sheens Observed:	Yes	No	X
Samples Collected:	Yes	No	X

(If standards exceeded or sheens observed indicate persons notified, time notified and corrective actions taken)

(If samples collected describe and attach COC)

## 3. Demolition and Disposal Activities

Demolition and disposal activities completed include the following:

- Truck was here at 7:00am to take waste material to landfill
- Existing floating docks were cut and floated to construction/staging area with an 18 ft. boat.
- Turbidity Curtain was set up downstream of the barge and work area.
- Crane pulled posts out of the ground, and sent to construction area boat ramp.
- Waste dock material was picked up with an excavator and left on the drying pad
- Barge was repositioned as needed to continue work up the basin.

## Relevant Photos



# FIELD OBSERVATION REPORT

**Project :** Paerdegat Basin  
**Client :** National Grid  
**Contractor:** JT Cleary / H2M

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**Photo 1: Dump Truck with Waste Dock Material SE**



**Photo 1: Barge and Crane NW**

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# FIELD OBSERVATION REPORT

**Project :** Paerdegat Basin  
**Client :** National Grid  
**Contractor:** JT Cleary / H2M

**Date:** Thu. Feb 25, 2016  
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**Time of Arrival:** 7:15 a.m.      **Departure:** 3:30 p.m.      **Weather:** 50s cloudy/clear/sunny, W and NW wind 5-20mp

## GEI Representatives

- Steve Nyczak

## Persons Contacted, Company

- Martin Camilleri H2M
- Chris Wygant JT Cleary

**Purpose of Site Visit:** dust monitoring and turbidity monitoring

## Observations

### 1. Air Monitoring

Both Dust Trak monitors were set up at upwind and downwind ends of the site. Waste dock material was regularly picked up at the boat ramp and taken to the drying pad. Most of the work crew was near the barge and crane. Average readings at both Dust Traks were below 0.050 ug/m<sup>3</sup> all day.

Daily data collection report is attached.

Action Levels Exceeded:      Yes                      No    X  
Objection Odors Observed:    Yes                      No    X (only exhaust from excavator)  
(If any values exceeded indicate persons notified, time notified and corrective actions taken)

### 2. Turbidity Monitoring

Work continued on cutting floating docks and towing them to the construction yard boat ramp. The crane and barge continued pulling wood posts and floating them. The turbidity curtain was set up from the barge edge to the shore on the downstream edge of the work area. It is removed and reattached when the barge is repositioned. Turbidity measurements were taken 15 ft from the curtain and 200 ft for reference. Data from both points was consistent all day. There was no evidence of extra turbidity due to construction activity. NTU readings were between 0-5 at each depth and point all day.

Daily data collection report is attached.

Turbidity Standards Exceeded:      Yes                      No    X  
Sheens Observed:                      Yes                      No    X  
Samples Collected:                      Yes                      No    X  
(If standards exceeded or sheens observed indicate persons notified, time notified and corrective actions taken)  
(If samples collected describe and attach COC)

# FIELD OBSERVATION REPORT

**Project :** Paerdegat Basin  
**Client :** National Grid  
**Contractor:** JT Cleary / H2M

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## 3. Demolition and Disposal Activities

Demolition and disposal activities completed include the following:

- Existing floating docks were cut and floated to construction/staging area with an 18 ft. boat.
- Turbidity Curtain was set up downstream of the barge and work area.
- Crane pulled posts out of the ground, and sent to construction area boat ramp.
- Waste dock material was picked up with an excavator and left on the drying pad
- Barge was repositioned as needed to continue work up the basin.

## Relevant Photos



**Photo 1:** Barge and Turbidity Curtain S



# FIELD OBSERVATION REPORT

**Project :** Paerdegat Basin  
**Client :** National Grid  
**Contractor:** JT Cleary / H2M

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**Photo 2:** South Dust Trak W

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# FIELD OBSERVATION REPORT

**Project :** Paerdegat Basin  
**Client :** National Grid  
**Contractor:** JT Cleary / H2M

**Date:** Fri. Feb 26, 2016  
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---

**Time of Arrival:** 7:15 a.m.      **Departure:** 3:30 p.m.      **Weather:** 30-40s clear/sunny, NW wind 20mph

## GEI Representatives

- Steve Nyczak

## Persons Contacted, Company

- Martin Camilleri H2M
- Chris Wygant JT Cleary

**Purpose of Site Visit:** dust monitoring and turbidity monitoring

## Observations

### 1. Air Monitoring

Both Dust Trak monitors were set up at upwind and downwind ends of the site. Waste dock material was regularly picked up at the boat ramp and taken to the drying pad. Most of the work crew was near the barge and crane. Average readings at both Dust Traks were below 0.050 ug/m<sup>3</sup> all day.

Daily data collection report is attached.

Action Levels Exceeded:      Yes                      No    X  
Objection Odors Observed:    Yes                      No    X (only exhaust from excavator)  
(If any values exceeded indicate persons notified, time notified and corrective actions taken)

### 2. Turbidity Monitoring

No work was done from the barge today due to poor weather conditions. The waves and wind were too hazardous to operate the crane or boats. No turbidity testing was needed.

Daily data collection report is attached.

Turbidity Standards Exceeded:      Yes                      No    N/A  
Sheens Observed:                      Yes                      No    X  
Samples Collected:                      Yes                      No    X  
(If standards exceeded or sheens observed indicate persons notified, time notified and corrective actions taken)  
(If samples collected describe and attach COC)

### 3. Demolition and Disposal Activities

Demolition and disposal activities completed include the following:



# FIELD OBSERVATION REPORT

**Project :** Paerdegat Basin  
**Client :** National Grid  
**Contractor:** JT Cleary / H2M

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- Excavator broke up pieces of waste dock material on the dry pad.
- Excavator loaded waste dock material into dump trucks to be taken to hazardous waste landfill in Michigan.
- Crane work suspended today for bad weather.

## Relevant Photos



**Photo 1:** Waste Dock Material N

# FIELD OBSERVATION REPORT

**Project :** Paerdegat Basin  
**Client :** National Grid  
**Contractor:** JT Cleary / H2M

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**Photo 2:** North Dust Trak SW

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# FIELD OBSERVATION REPORT

**Project :** Paerdegat Basin  
**Client :** National Grid  
**Contractor:** JT Cleary / H2M

**Date:** Mon. Feb 29, 2016  
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**Time of Arrival:** 7:15 a.m.      **Departure:** 3:45 p.m.      **Weather:** 50s cloudy/clear/sunny, NW and W wind 5-20mph

## GEI Representatives

- Steve Nyczak

## Persons Contacted, Company

- Martin Camilleri H2M
- Chris Wygant JT Cleary

**Purpose of Site Visit:** dust monitoring and turbidity monitoring

## Observations

### 1. Air Monitoring

Both Dust Trak monitors were set up at upwind and downwind ends of the site. Waste dock material was regularly picked up at the boat ramp and taken to the drying pad. Most of the work crew was near the barge and crane. Average readings at both Dust Traks were below 0.050 ug/m<sup>3</sup> all day.

Daily data collection report is attached.

Action Levels Exceeded:      Yes                      No    X  
Objection Odors Observed:    Yes                      No    X (only exhaust from excavator)  
(If any values exceeded indicate persons notified, time notified and corrective actions taken)

### 2. Turbidity Monitoring

Work continued on cutting floating docks and towing them to the construction yard boat ramp. The crane and barge continued pulling wood posts and floating them. The turbidity curtain was set up from the barge edge to the shore on the downstream edge of the work area. It is removed and reattached when the barge is repositioned. Turbidity measurements were taken 15 ft from the curtain and 200 ft for reference. Data from both points was consistent all day. There was no evidence of extra turbidity due to construction activity. NTU readings were between 0-3 at each depth and point all day.

Daily data collection report is attached.

Turbidity Standards Exceeded:      Yes                      No    X  
Sheens Observed:                      Yes                      No    X  
Samples Collected:                      Yes                      No    X  
(If standards exceeded or sheens observed indicate persons notified, time notified and corrective actions taken)  
(If samples collected describe and attach COC)



# FIELD OBSERVATION REPORT

**Project :** Paerdegat Basin  
**Client :** National Grid  
**Contractor:** JT Cleary / H2M

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## 3. Demolition and Disposal Activities

Demolition and disposal activities completed include the following:

- Existing floating docks were cut and floated to construction/staging area with an 18 ft. boat.
- Turbidity Curtain was set up downstream of the barge and work area.
- Crane pulled posts out of the ground, and sent to construction area boat ramp.
- Waste dock material was picked up with an excavator and left on the drying pad
- Barge was repositioned as needed to continue work up the basin.

### Relevant Photos



**Photo 1: Barge and Crane NE**

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# FIELD OBSERVATION REPORT

**Project :** Paerdegat Basin  
**Client :** National Grid  
**Contractor:** JT Cleary / H2M

**Date:** Tues. Mar 1, 2016  
**Report No.** 1  
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**Time of Arrival:** 7:10 a.m.      **Departure:** 3:30 p.m.      **Weather:** 40s-50 cloudy/clear/sunny, E and NE wind 5-15mph

## GEI Representatives

- Steve Nyczak

## Persons Contacted, Company

- Martin Camilleri H2M
- Chris Wygant JT Cleary

**Purpose of Site Visit:** dust monitoring and turbidity monitoring

## Observations

### 1. Air Monitoring

Both Dust Trak monitors were set up at upwind and downwind ends of the site. Waste dock material was regularly picked up at the boat ramp and taken to the drying pad. Most of the work crew was near the barge and crane. Average readings at both Dust Traks were below 0.080 ug/m<sup>3</sup> all day.

Daily data collection report is attached.

Action Levels Exceeded:      Yes                      No    X  
Objection Odors Observed:    Yes                      No    X (only exhaust from excavator)  
(If any values exceeded indicate persons notified, time notified and corrective actions taken)

### 2. Turbidity Monitoring

Work continued on cutting floating docks and towing them to the construction yard boat ramp. The crane and barge continued pulling wood posts and floating them. The turbidity curtain was set up from the barge edge to the shore on the downstream edge of the work area. It is removed and reattached when the barge is repositioned. Turbidity measurements were taken 15 ft from the curtain and 200 ft for reference. Data from both points was consistent all day. There was no evidence of extra turbidity due to construction activity. NTU readings were between 0-5 at each depth and point all day.

Daily data collection report is attached.

Turbidity Standards Exceeded:      Yes                      No    X  
Sheens Observed:                      Yes                      No    X  
Samples Collected:                      Yes                      No    X  
(If standards exceeded or sheens observed indicate persons notified, time notified and corrective actions taken)  
(If samples collected describe and attach COC)

# FIELD OBSERVATION REPORT

**Project :** Paerdegat Basin  
**Client :** National Grid  
**Contractor:** JT Cleary / H2M

**Date:** Tues. Mar 1, 2016  
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## 3. Demolition and Disposal Activities

Demolition and disposal activities completed include the following:

- Existing floating docks were cut and floated to construction/staging area with an 18 ft. boat.
- Turbidity Curtain was set up downstream of the barge and work area.
- Crane pulled posts out of the ground, and sent to construction area boat ramp.
- Waste dock material was picked up with an excavator and left on the drying pad
- Barge was repositioned as needed to continue work up the basin.

## Relevant Photos



**Photo 1:** Barge and Curtain NW



# FIELD OBSERVATION REPORT

**Project :** Paerdegat Basin  
**Client :** National Grid  
**Contractor:** JT Cleary / H2M

**Date:** Tues. Mar 1, 2016  
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**Photo 2:** South Dust Trak E

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# FIELD OBSERVATION REPORT

**Project :** Paerdegat Basin  
**Client :** National Grid  
**Contractor:** JT Cleary / H2M

**Date:** Wed. Mar 2, 2016  
**Report No.** 1  
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---

**Time of Arrival:** 8:30 a.m.      **Departure:** 3:30 p.m.      **Weather:** 40s-50s cloudy/clear/sunny, W and NW wind 10-25mph

## GEI Representatives

- Steve Nyczak

## Persons Contacted, Company

- Martin Camilleri H2M
- Chris Wygant JT Cleary

**Purpose of Site Visit:** dust monitoring and turbidity monitoring

## Observations

### 1. Air Monitoring

Both Dust Trak monitors were set up at upwind and downwind ends of the site. Waste dock material was regularly picked up at the boat ramp and taken to the drying pad. Most of the work crew was near the barge and crane. Average readings at both Dust Traks were below 0.050 ug/m<sup>3</sup> all day.

Daily data collection report is attached.

Action Levels Exceeded:      Yes                      No    X  
Objection Odors Observed:    Yes                      No    X (only exhaust from excavator)  
(If any values exceeded indicate persons notified, time notified and corrective actions taken)

### 2. Turbidity Monitoring

Wind and waves were too high for work on the water. No turbidity monitoring necessary today.

Daily data collection report is attached.

Turbidity Standards Exceeded:      Yes                      No    NA  
Sheens Observed:                      Yes                      No    NA  
Samples Collected:                      Yes                      No    NA  
(If standards exceeded or sheens observed indicate persons notified, time notified and corrective actions taken)  
(If samples collected describe and attach COC)

### 3. Demolition and Disposal Activities

Demolition and disposal activities completed include the following:

# FIELD OBSERVATION REPORT

**Project :** Paerdegat Basin  
**Client :** National Grid  
**Contractor:** JT Cleary / H2M

**Date:** Wed. Mar 2, 2016  
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- Waste dock material was picked up with an excavator and left on the drying pad

## Relevant Photos



**Photo 1:** Waste Dock Material NW

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# FIELD OBSERVATION REPORT

**Project :** Paerdegat Basin  
**Client :** National Grid  
**Contractor:** JT Cleary / H2M

**Date:** Thurs. Mar 3, 2016  
**Report No.** 1  
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---

**Time of Arrival:** 7:15 a.m.      **Departure:** 5:00 p.m.      **Weather:** 20s-30 cloudy/clear/sunny, N and NW wind 5-15mph

## GEI Representatives

- Steve Nyczak

## Persons Contacted, Company

- Martin Camilleri H2M
- Chris Wygant JT Cleary

**Purpose of Site Visit:** dust monitoring and turbidity monitoring

## Observations

### 1. Air Monitoring

Both Dust Trak monitors were set up at upwind and downwind ends of the site. Waste dock material was regularly picked up at the boat ramp and taken to the drying pad. Most of the work crew was near the barge and crane. Average readings at both Dust Traks were below 0.080 ug/m<sup>3</sup> all day.

Daily data collection report is attached.

Action Levels Exceeded:      Yes                      No    X  
Objection Odors Observed:    Yes                      No    X (only exhaust from excavator)  
(If any values exceeded indicate persons notified, time notified and corrective actions taken)

### 2. Turbidity Monitoring

This was the last day of deconstruction work on the old docks. The crane barge worked on removing the last floating docks in the morning, moved pilings from the barge to land in the afternoon, and finished pulling the last pilings once the tide came up. The turbidity curtain was set up from the barge edge to the shore on the downstream edge of the work area. It was removed and reattached as the barge was repositioned. Turbidity measurements were taken 15 ft from the curtain and 200 ft for reference. Data from both points was consistent all day. There was no evidence of extra turbidity due to construction activity. NTU readings were between 0-5 at each depth and point all day. Testing was suspended during the middle of the day since no pilings were removed until after 2 pm.

Daily data collection report is attached.

Turbidity Standards Exceeded:      Yes                      No    X  
Sheens Observed:                      Yes                      No    X  
Samples Collected:                    Yes                      No    X

# FIELD OBSERVATION REPORT

**Project :** Paerdegat Basin  
**Client :** National Grid  
**Contractor:** JT Cleary / H2M

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(If standards exceeded or sheens observed indicate persons notified, time notified and corrective actions taken)  
(If samples collected describe and attach COC)

## 3. Demolition and Disposal Activities

Demolition and disposal activities completed include the following:

- Existing floating docks were cut and floated to construction/staging area with an 18 ft. boat.
- Turbidity Curtain was set up downstream of the barge and work area.
- Crane pulled posts out of the ground, and sent to construction area boat ramp.
- Waste dock material was picked up with an excavator and left on the drying pad
- Barge was repositioned as needed to continue work up the basin.
- Crane moved pilings from barge to land.
- Construction meeting took place at 11 am with JT Cleary, H2M, NYDEC, Parks Dept, and National Grid.

### Relevant Photos



**Photo 1:** Barge and Curtain SE



# FIELD OBSERVATION REPORT

**Project :** Paerdegat Basin  
**Client :** National Grid  
**Contractor:** JT Cleary / H2M

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**Photo 2:** North Dust Trak NE

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# FIELD OBSERVATION REPORT

**Project :** Paerdegat Basin  
**Client :** National Grid  
**Contractor:** JT Cleary / H2M

**Date:** Fri. Mar 4, 2016  
**Report No.** 1  
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**Time of Arrival:** 7:00 a.m.      **Departure:** 3:30 p.m.      **Weather:** 20s-30 cloudy/snowing, N and NW wind 5-15mph

## GEI Representatives

- Steve Nyczak

## Persons Contacted, Company

- Martin Camilleri H2M
- Chris Wygant JT Cleary

**Purpose of Site Visit:** Fugitive Dust Particle Monitoring

## Observations

### 1. Air Monitoring

Both Dust Trak monitors were set up at upwind and downwind ends of the site. Waste dock material was loaded in to dump trucks to be taken off site. Waste dock material was picked up at the boat ramp and taken to the drying pad. Average readings at both Dust Traks were below 0.080 ug/m<sup>3</sup> all day.

Daily data collection report is attached.

Action Levels Exceeded:      Yes                      No    X  
Objection Odors Observed:    Yes                      No    X (only exhaust from excavator)  
(If any values exceeded indicate persons notified, time notified and corrective actions taken)

### 2. Turbidity Monitoring

Dock deconstruction was completed. No work was done with contaminated material in the Basin, and therefore no turbidity monitoring was necessary.

Daily data collection report is attached.

Turbidity Standards Exceeded:      Yes                      No    NA  
Sheens Observed:                      Yes                      No    NA  
Samples Collected:                      Yes                      No    NA  
(If standards exceeded or sheens observed indicate persons notified, time notified and corrective actions taken)  
(If samples collected describe and attach COC)

### 3. Demolition and Disposal Activities



# FIELD OBSERVATION REPORT

**Project :** Paerdegat Basin  
**Client :** National Grid  
**Contractor:** JT Cleary / H2M

**Date:** Fri. Mar 4, 2016  
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Demolition and disposal activities completed include the following:

- 7-11AM waste dock material was loaded into dump trucks and taken off site.
- Remaining waste dock material was picked up with an excavator and left on the drying pad, staged for the next outgoing truckload.
- The construction crew cut pilings with a chainsaw to ensure they fit in the dump trucks
- The construction crew kept the yard clean and assisted the excavator operator in consolidating waste piles.

## **Hazardous Waste Manifest Information**

Left site at 11 am

Manifest Number: 009318390  
Weight: 2700 KG  
Transporter: Jerry Blair  
Destination: Wayne Disposal Inc. Site 2 Landfill, 49350 N I-94 Service Dr. Belleville, MI 48111

Manifest Number: 009318392  
Weight: 2700 KG  
Transporter: William J Schaffer  
Destination: Wayne Disposal Inc. Site 2 Landfill, 49350 N I-94 Service Dr. Belleville, MI 48111

Manifest Number: 009318393  
Weight: 2700 KG  
Transporter: Michael P Poff  
Destination: Wayne Disposal Inc. Site 2 Landfill, 49350 N I-94 Service Dr. Belleville, MI 48111

# FIELD OBSERVATION REPORT

**Project :** Paerdegat Basin  
**Client :** National Grid  
**Contractor:** JT Cleary / H2M

**Date:** Fri. Mar 4, 2016  
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## Relevant Photos



**Photo 1:** Truck Loaded with Waste Dock Material SE

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# FIELD OBSERVATION REPORT

**Project :** Paerdegat Basin  
**Client :** National Grid  
**Contractor:** JT Cleary / H2M

**Date:** Mon. Mar 7, 2016  
**Report No.** 1  
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---

**Time of Arrival:** 7:15 a.m.      **Departure:** 3:30 p.m.      **Weather:** 40-50s clear/sunny W and SW wind 5-15mph

## GEI Representatives

- Steve Nyczak

## Persons Contacted, Company

- Martin Camilleri H2M
- Chris Wygant JT Cleary

**Purpose of Site Visit:** Fugitive Dust Particle Monitoring

## Observations

### 1. Air Monitoring

Both Dust Trak monitors were set up at upwind and downwind ends of the site. Waste dock material was loaded in to dump trucks to be taken off site. Waste dock material was picked up at the boat ramp and taken to the drying pad. Average readings at both Dust Traks were below 0.100 ug/m<sup>3</sup> all day. These were the highest measurements observed yet. The North Dust Trak was running acceptable yet higher averages consistently all day. The South Dust Trak fluctuated up to 0.100 in the early afternoon likely because of the chainsaw work being done near that monitor. Measurements were watched closely all day to ensure dust wasn't migrating and particulates were below action levels.

Daily data collection report is attached.

Action Levels Exceeded:      Yes                      No    X  
Objection Odors Observed:    Yes                      No    X (only exhaust from excavator)  
(If any values exceeded indicate persons notified, time notified and corrective actions taken)

### 2. Turbidity Monitoring

Dock deconstruction was completed. No work was done with contaminated material in the Basin, and therefore no turbidity monitoring was necessary.

Daily data collection report is attached.

Turbidity Standards Exceeded:      Yes                      No    NA  
Sheens Observed:                      Yes                      No    NA  
Samples Collected:                    Yes                      No    NA  
(If standards exceeded or sheens observed indicate persons notified, time notified and corrective actions taken)  
(If samples collected describe and attach COC)

# FIELD OBSERVATION REPORT

**Project :** Paerdegat Basin  
**Client :** National Grid  
**Contractor:** JT Cleary / H2M

**Date:** Mon. Mar 7, 2016  
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## 3. Demolition and Disposal Activities

Demolition and disposal activities completed include the following:

- Remaining waste dock material was picked up with an excavator and left on the drying pad, staged for the next outgoing truckload.
- The construction crew cut pilings with a chainsaw to ensure they fit in the dump trucks
- The construction crew kept the yard clean and assisted the excavator operator in consolidating waste piles.

## Hazardous Waste Manifest Information

No trucks left the site today.

## Relevant Photos



**Photo 1:** North Dust Trak E

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# FIELD OBSERVATION REPORT

**Project :** Paerdegat Basin  
**Client :** National Grid  
**Contractor:** JT Cleary / H2M

**Date:** Tue. Mar 8, 2016  
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**Time of Arrival:** 7:10 a.m.      **Departure:** 3:30 p.m.      **Weather:** 50s clear and sunny, S wind 0-5 mph

## GEI Representatives

- Steve Nyczak

## Persons Contacted, Company

- Martin Camilleri H2M
- Chris Wygant JT Cleary

**Purpose of Site Visit:** Fugitive Dust Particle Monitoring

## Observations

### 1. Air Monitoring

Both Dust Trak monitors were set up at upwind and downwind ends of the site. Waste dock material was loaded in to dump trucks to be taken off site. Waste dock material was picked up at the boat ramp and taken to the drying pad. Average readings at both Dust Traks were below 0.100 ug/m<sup>3</sup> all day.

Daily data collection report is attached.

Action Levels Exceeded:      Yes                      No    X  
Objection Odors Observed:    Yes                      No    X (only exhaust from excavator)  
(If any values exceeded indicate persons notified, time notified and corrective actions taken)

### 2. Turbidity Monitoring

Dock deconstruction was completed. No work was done with contaminated material in the Basin, and therefore no turbidity monitoring was necessary.

Daily data collection report is attached.

Turbidity Standards Exceeded:      Yes                      No    NA  
Sheens Observed:                      Yes                      No    NA  
Samples Collected:                      Yes                      No    NA  
(If standards exceeded or sheens observed indicate persons notified, time notified and corrective actions taken)  
(If samples collected describe and attach COC)

### 3. Demolition and Disposal Activities

Demolition and disposal activities completed include the following:

## FIELD OBSERVATION REPORT

**Project :** Paerdegat Basin  
**Client :** National Grid  
**Contractor:** JT Cleary / H2M

**Date:** Tue. Mar 8, 2016  
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- 7-9:30AM waste dock material was loaded into dump trucks and taken off site.
- Remaining waste dock material was picked up with an excavator and left on the drying pad, staged for the next outgoing truckload.
- The construction crew cut pilings with a chainsaw to ensure they fit in the dump trucks
- The construction crew kept the yard clean and assisted the excavator operator in consolidating waste piles.
- The crane barge was prepared for travel and taken offsite.

### **Hazardous Waste Manifest Information**

Left site at 9:30 am

Manifest Number: 009318394  
Weight: 12,700 KG  
Transporter: Jerry Blair  
Destination: Wayne Disposal Inc. Site 2 Landfill, 49350 N I-94 Service Dr. Belleville, MI 48111

Manifest Number: 010283696  
Weight: 12,700 KG  
Transporter: William J Schaffer  
Destination: Wayne Disposal Inc. Site 2 Landfill, 49350 N I-94 Service Dr. Belleville, MI 48111

Manifest Number: 010283700  
Weight: 12,700 KG  
Transporter: Michael P Poff  
Destination: Wayne Disposal Inc. Site 2 Landfill, 49350 N I-94 Service Dr. Belleville, MI 48111



# FIELD OBSERVATION REPORT

**Project :** Paerdegat Basin  
**Client :** National Grid  
**Contractor:** JT Cleary / H2M

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## Relevant Photos



**Photo 1:** North Dust Trak and Waste Dock Material E

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# FIELD OBSERVATION REPORT

**Project :** Paerdegat Basin  
**Client :** National Grid  
**Contractor:** JT Cleary / H2M

**Date:** Wed. Mar 9, 2016  
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---

**Time of Arrival:** 7:20 a.m.      **Departure:** 3:30 p.m.      **Weather:** 60-70s clear and sunny, no wind AM, 0-10 mph SW PM

## GEI Representatives

- Steve Nyczak

## Persons Contacted, Company

- Martin Camilleri H2M
- Chris Wygant JT Cleary

**Purpose of Site Visit:** Fugitive Dust Particle Monitoring

## Observations

### 1. Air Monitoring

Both Dust Trak monitors were set up at upwind and downwind ends of the site. Waste dock material was picked up at the boat ramp and taken to the drying pad. Scraps were cleaned up from the excavator path between the ramp and the staging pad. Average readings at both Dust Traks were below 0.100 ug/m<sup>3</sup> all day.

Daily data collection report is attached.

Action Levels Exceeded:      Yes                      No    X  
Objection Odors Observed:    Yes                      No    X (only exhaust from excavator)  
(If any values exceeded indicate persons notified, time notified and corrective actions taken)

### 2. Turbidity Monitoring

Dock deconstruction was completed. No work was done with contaminated material in the Basin, and therefore no turbidity monitoring was necessary.

Daily data collection report is attached.

Turbidity Standards Exceeded:      Yes                      No    NA  
Sheens Observed:                      Yes                      No    NA  
Samples Collected:                      Yes                      No    NA  
(If standards exceeded or sheens observed indicate persons notified, time notified and corrective actions taken)  
(If samples collected describe and attach COC)

### 3. Demolition and Disposal Activities

# FIELD OBSERVATION REPORT

**Project :** Paerdegat Basin  
**Client :** National Grid  
**Contractor:** JT Cleary / H2M

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Demolition and disposal activities completed include the following:

- Remaining waste dock material was picked up with an excavator and left on the drying pad, staged for the next outgoing truckload.
- The construction crew kept the yard clean and assisted the excavator operator in consolidating waste piles.
- The path of the excavator was cleaned up and dock scraps were consolidated to the staging pad.

## Relevant Photos



**Photo 1:** South Dust Trak and Waste Dock Material NW

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# FIELD OBSERVATION REPORT

**Project :** Paerdegat Basin  
**Client :** National Grid  
**Contractor:** JT Cleary / H2M

**Date:** Thu. Mar 10, 2016  
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**Time of Arrival:** 7:20 a.m.      **Departure:** 3:30 p.m.      **Weather:** 70s clear and sunny, SW wind 0-10 mph

## GEI Representatives

- Steve Nyczak

## Persons Contacted, Company

- Martin Camilleri H2M
- Chris Wygant JT Cleary

**Purpose of Site Visit:** Fugitive Dust Particle Monitoring

## Observations

### 1. Air Monitoring

Both Dust Trak monitors were set up at upwind and downwind ends of the site. Waste dock material was loaded in to dump trucks to be taken off site. Remaining waste dock material was consolidated from the site and left in the staging pile. Average readings at both Dust Traks were below 0.100 ug/m<sup>3</sup> all day.

Daily data collection report is attached.

Action Levels Exceeded:      Yes                      No    X  
Objection Odors Observed:    Yes                      No    X (only exhaust from excavator)  
(If any values exceeded indicate persons notified, time notified and corrective actions taken)

### 2. Turbidity Monitoring

Dock deconstruction was completed. No work was done with contaminated material in the Basin, and therefore no turbidity monitoring was necessary.

Daily data collection report is attached.

Turbidity Standards Exceeded:      Yes                      No    NA  
Sheens Observed:                      Yes                      No    NA  
Samples Collected:                    Yes                      No    NA  
(If standards exceeded or sheens observed indicate persons notified, time notified and corrective actions taken)  
(If samples collected describe and attach COC)

# FIELD OBSERVATION REPORT

**Project :** Paerdegat Basin  
**Client :** National Grid  
**Contractor:** JT Cleary / H2M

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## 3. Demolition and Disposal Activities

Demolition and disposal activities completed include the following:

- 7-9:30AM waste dock material was loaded into dump trucks and taken off site.
- Scraps and smaller pieces of waste dock material were consolidated by HVE crew and left in staging pile.
- The construction crew kept the yard clean and assisted the excavator operator in consolidating waste piles.
- 

### Hazardous Waste Manifest Information

Left site at 9:30 am

Manifest Number: 009318397  
Weight: 12,700 KG  
Transporter: Jerry Blair  
Destination: Wayne Disposal Inc. Site 2 Landfill, 49350 N I-94 Service Dr. Belleville, MI 48111

Manifest Number: 009318396  
Weight: 12,700 KG  
Transporter: William J Schaffer  
Destination: Wayne Disposal Inc. Site 2 Landfill, 49350 N I-94 Service Dr. Belleville, MI 48111

Manifest Number: 009318485  
Weight: 12,700 KG  
Transporter: Michael P Poff  
Destination: Wayne Disposal Inc. Site 2 Landfill, 49350 N I-94 Service Dr. Belleville, MI 48111

# FIELD OBSERVATION REPORT

**Project :** Paerdegat Basin  
**Client :** National Grid  
**Contractor:** JT Cleary / H2M

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## Relevant Photos



**Photo 1:** Deconstruction Site (after clean-up) N



## FIELD OBSERVATION REPORT

**Project :** Paerdegat Basin  
**Client :** National Grid  
**Contractor:** JT Cleary / H2M

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**Photo 2:** Deconstruction Site (after clean-up) NW

# FIELD OBSERVATION REPORT

**Project :** Paerdegat Basin  
**Client :** National Grid  
**Contractor:** JT Cleary / H2M

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**Photo 3:** Waste Dock Material W

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# FIELD OBSERVATION REPORT

**Project :** Paerdegat Basin  
**Client :** National Grid  
**Contractor:** JT Cleary / H2M

**Date:** Fri. Mar 11, 2016  
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**Time of Arrival:** 7:20 a.m.      **Departure:** 3:30 p.m.      **Weather:** 60s clear and sunny, NW wind 10-20 mph

## GEI Representatives

- Steve Nyczak

## Persons Contacted, Company

- Martin Camilleri H2M
- Chris Wygant JT Cleary

**Purpose of Site Visit:** Fugitive Dust Particle Monitoring

## Observations

### 1. Air Monitoring

Both Dust Trak monitors were set up at upwind and downwind ends of the site. Waste Dock Material Scraps were cleaned up from the excavator path between the ramp and the staging pad. Average readings at both Dust Traks were below 0.050 ug/m<sup>3</sup> all day.

Daily data collection report is attached.

Action Levels Exceeded:      Yes                      No    X  
Objection Odors Observed:    Yes                      No    X (only exhaust from excavator)  
(If any values exceeded indicate persons notified, time notified and corrective actions taken)

### 2. Turbidity Monitoring

Dock deconstruction is complete. No work was done with contaminated material in Paerdegat Basin, and therefore no turbidity monitoring was necessary.

Daily data collection report is attached.

Turbidity Standards Exceeded:      Yes                      No    NA  
Sheens Observed:                      Yes                      No    NA  
Samples Collected:                      Yes                      No    NA  
(If standards exceeded or sheens observed indicate persons notified, time notified and corrective actions taken)  
(If samples collected describe and attach COC)

### 3. Demolition and Disposal Activities



# FIELD OBSERVATION REPORT

**Project :** Paerdegat Basin  
**Client :** National Grid  
**Contractor:** JT Cleary / H2M

**Date:** Fri. Mar 11, 2016  
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Demolition and disposal activities completed include the following:

- Remaining waste dock material was picked up with an excavator and left on the drying pad, staged for the next outgoing truckload.
- The construction crew kept the yard clean and assisted the excavator operator in consolidating waste piles.
- The path of the excavator was cleaned up and dock scraps were consolidated to the staging pad.

## Relevant Photos



**Photo 1: North Dust Trak and Cleaned Excavator Path N**

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# FIELD OBSERVATION REPORT

**Project :** Paerdegat Basin  
**Client :** National Grid  
**Contractor:** JT Cleary / H2M

**Date:** Mon. Mar 14, 2016  
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**GEI Proj. No.** 129600

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**Time of Arrival:** 7:30 a.m.      **Departure:** 3:30 p.m.      **Weather:** 50s rainy and cloudy, E and SE wind 10-20 mph

## GEI Representatives

- Steve Nyczak

## Persons Contacted, Company

- Martin Camilleri H2M
- Chris Wygant JT Cleary

**Purpose of Site Visit:** Fugitive Dust Particle Monitoring

## Observations

### 1. Air Monitoring

Both Dust Trak monitors were set up at upwind and downwind ends of the site. Waste dock material was loaded in to dump trucks to be taken off site. Remaining waste dock material was consolidated from the site and left in the staging pile. Average readings at both Dust Traks were below 0.050 ug/m<sup>3</sup> all day.

Daily data collection report is attached.

Action Levels Exceeded:      Yes                      No    X  
Objection Odors Observed:    Yes                      No    X (only exhaust from excavator)  
(If any values exceeded indicate persons notified, time notified and corrective actions taken)

### 2. Turbidity Monitoring

Dock deconstruction was completed. No work was done with contaminated material in the Basin, and therefore no turbidity monitoring was necessary.

Daily data collection report is attached.

Turbidity Standards Exceeded:      Yes                      No    NA  
Sheens Observed:                      Yes                      No    NA  
Samples Collected:                    Yes                      No    NA  
(If standards exceeded or sheens observed indicate persons notified, time notified and corrective actions taken)  
(If samples collected describe and attach COC)

# FIELD OBSERVATION REPORT

**Project :** Paerdegat Basin  
**Client :** National Grid  
**Contractor:** JT Cleary / H2M

**Date:** Mon. Mar 14, 2016  
**Report No.** 1  
**Page:** Page 2 of 3  
**GEI Proj. No.** 129600

---

## 3. Demolition and Disposal Activities

Demolition and disposal activities completed include the following:

- 7-9:30AM waste dock material was loaded into dump trucks and taken off site.
- Scraps and smaller pieces of waste dock material were consolidated by HVE crew and left in staging pile.
- The construction crew kept the yard clean and assisted the excavator operator in consolidating waste piles.
- 

### Hazardous Waste Manifest Information

Left site at 9:30 am

Manifest Number: 009318481  
Weight: 12,700 KG  
Transporter: Jerry Blair  
Destination: Wayne Disposal Inc. Site 2 Landfill, 49350 N I-94 Service Dr. Belleville, MI 48111

Manifest Number: 009318470  
Weight: 12,700 KG  
Transporter: William J Schaffer  
Destination: Wayne Disposal Inc. Site 2 Landfill, 49350 N I-94 Service Dr. Belleville, MI 48111

Manifest Number: 009318480  
Weight: est. 20,000 KG  
Transporter: James M Sargrit  
Destination: Wayne Disposal Inc. Site 2 Landfill, 49350 N I-94 Service Dr. Belleville, MI 48111



# FIELD OBSERVATION REPORT

**Project :** Paerdegat Basin  
**Client :** National Grid  
**Contractor:** JT Cleary / H2M

**Date:** Mon. Mar 14, 2016  
**Report No.** 1  
**Page:** Page 3 of 3  
**GEI Proj. No.** 129600

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## Relevant Photos



**Photo 1:** Waste Dock Material Staging Pile NW

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# FIELD OBSERVATION REPORT

**Project :** Paerdegat Basin  
**Client :** National Grid  
**Contractor:** JT Cleary / H2M

**Date:** Tue. Mar 15, 2016  
**Report No.** 1  
**Page:** Page 1 of 2  
**GEI Proj. No.** 129600

---

**Time of Arrival:** 7:30 a.m.      **Departure:** 3:30 p.m.      **Weather:** 50s cloudy, N wind 5-15 mph

## GEI Representatives

- Steve Nyczak

## Persons Contacted, Company

- Martin Camilleri H2M
- Chris Wygant JT Cleary

**Purpose of Site Visit:** Fugitive Dust Particle Monitoring

## Observations

### 1. Air Monitoring

No work was done cleaning or consolidating the waste dock material pile. No particulate dust monitoring required.

Daily data collection report is attached.

Action Levels Exceeded:      Yes                      No      NA

Objection Odors Observed:      Yes                      No      X

(If any values exceeded indicate persons notified, time notified and corrective actions taken)

### 2. Turbidity Monitoring

Dock deconstruction is complete. No work was done with contaminated material in Paerdegat Basin, and therefore no turbidity monitoring was necessary.

Daily data collection report is attached.

Turbidity Standards Exceeded:      Yes                      No      NA

Sheens Observed:                      Yes                      No      NA

Samples Collected:                      Yes                      No      NA

(If standards exceeded or sheens observed indicate persons notified, time notified and corrective actions taken)

(If samples collected describe and attach COC)

### 3. Demolition and Disposal Activities

Demolition and disposal activities completed include the following:

- Construction crew awaited the arrival of post construction material.

# FIELD OBSERVATION REPORT

**Project :** Paerdegat Basin  
**Client :** National Grid  
**Contractor:** JT Cleary / H2M

**Date:** Tue. Mar 15, 2016  
**Report No.** 1  
**Page:** Page 2 of 2  
**GEI Proj. No.** 129600

- Implements were unloaded and moved across site by machine.
- Small pieces of waste dock material were picked up by hand and put into staging pile

## Relevant Photos



**Photo 1: Waste Dock Material Staging Pile N**

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# FIELD OBSERVATION REPORT

**Project :** Paerdegat Basin  
**Client :** National Grid  
**Contractor:** JT Cleary / H2M

**Date:** Wed. Mar 16, 2016  
**Report No.** 1  
**Page:** Page 1 of 3  
**GEI Proj. No.** 129600

---

**Time of Arrival:** 7:00 a.m.      **Departure:** 3:30 p.m.      **Weather:** 50s sunny, clear, calm, S and SW  
wind 0-10 mph PM

## GEI Representatives

- Steve Nyczak

## Persons Contacted, Company

- Martin Camilleri H2M
- Chris Wygant JT Cleary

**Purpose of Site Visit:** Fugitive Dust Particle Monitoring

## Observations

### 1. Air Monitoring

Both Dust Trak monitors were set up at upwind and downwind ends of the waste dock material staging pile. This location makes the most sense, since the only remaining work with hazardous waste material is at this pile. Waste dock material was loaded in to dump trucks to be taken off site. Remaining waste dock material was consolidated from the site and left in the staging pile. Average readings at both Dust Traks were below 0.100 ug/m<sup>3</sup> all day.

Daily data collection report is attached.

Action Levels Exceeded:      Yes                      No    X  
Objection Odors Observed:    Yes                      No    X (only exhaust from excavator)  
(If any values exceeded indicate persons notified, time notified and corrective actions taken)

### 2. Turbidity Monitoring

Dock deconstruction was completed. No work was done with contaminated material in the Basin, and therefore no turbidity monitoring was necessary.

Daily data collection report is attached.

Turbidity Standards Exceeded:      Yes                      No    NA  
Sheens Observed:                      Yes                      No    NA  
Samples Collected:                      Yes                      No    NA  
(If standards exceeded or sheens observed indicate persons notified, time notified and corrective actions taken)  
(If samples collected describe and attach COC)



# FIELD OBSERVATION REPORT

**Project :** Paerdegat Basin  
**Client :** National Grid  
**Contractor:** JT Cleary / H2M

**Date:** Wed. Mar 16, 2016  
**Report No.** 1  
**Page:** Page 2 of 3  
**GEI Proj. No.** 129600

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## 3. Demolition and Disposal Activities

Demolition and disposal activities completed include the following:

- 7-11:00AM waste dock material was loaded into dump trucks and taken off site.
- Scraps and smaller pieces of waste dock material were consolidated by HVE crew and left in staging pile.
- The construction crew kept the yard clean and assisted the excavator operator in consolidating waste piles.

### Hazardous Waste Manifest Information

Left site at 11:00 am

Manifest Number: 009318479  
Weight: 14,000 KG  
Transporter: Jerry Blair  
Destination: Wayne Disposal Inc. Site 2 Landfill, 49350 N I-94 Service Dr. Belleville, MI 48111

Manifest Number: 009318484  
Weight: 13,800 KG  
Transporter: William J Schaffer  
Destination: Wayne Disposal Inc. Site 2 Landfill, 49350 N I-94 Service Dr. Belleville, MI 48111

Manifest Number: 009318482  
Weight: est. 13,000 KG  
Transporter: James M Sargent  
Destination: Wayne Disposal Inc. Site 2 Landfill, 49350 N I-94 Service Dr. Belleville, MI 48111

# FIELD OBSERVATION REPORT

**Project :** Paerdegat Basin  
**Client :** National Grid  
**Contractor:** JT Cleary / H2M

**Date:** Wed. Mar 16, 2016  
**Report No.** 1  
**Page:** Page 3 of 3  
**GEI Proj. No.** 129600

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## Relevant Photos



**Photo 1: Remaining Waste Dock Material on Staging Pile SW**

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# FIELD OBSERVATION REPORT

**Project :** Paerdegat Basin  
**Client :** National Grid  
**Contractor:** JT Cleary / H2M

**Date:** Thu. Mar 17, 2016  
**Report No.** 1  
**Page:** Page 1 of 3  
**GEI Proj. No.** 129600

---

**Time of Arrival:** 7:30 a.m.      **Departure:** 3:00 p.m.      **Weather:** 50s cloudy to clear, SW wind 0-10 mph

## GEI Representatives

- Steve Nyczak

## Persons Contacted, Company

- Martin Camilleri H2M
- Chris Wygant JT Cleary

**Purpose of Site Visit:** Fugitive Dust Particle Monitoring

## Observations

### 1. Air Monitoring

No work was done cleaning or consolidating the waste dock material pile. No particulate dust monitoring required.

Daily data collection report is attached.

Action Levels Exceeded:      Yes                      No      NA  
Objection Odors Observed:      Yes                      No      X

(If any values exceeded indicate persons notified, time notified and corrective actions taken)

### 2. Turbidity Monitoring

Dock deconstruction is complete. No work was done with contaminated material in Paerdegat Basin, and therefore no turbidity monitoring was necessary.

Daily data collection report is attached.

Turbidity Standards Exceeded:      Yes                      No      NA  
Sheens Observed:                      Yes                      No      NA  
Samples Collected:                      Yes                      No      NA

(If standards exceeded or sheens observed indicate persons notified, time notified and corrective actions taken)  
(If samples collected describe and attach COC)

### 3. Demolition and Disposal Activities

Demolition and disposal activities completed include the following:

# FIELD OBSERVATION REPORT

**Project :** Paerdegat Basin  
**Client :** National Grid  
**Contractor:** JT Cleary / H2M

**Date:** Thu. Mar 17, 2016  
**Report No.** 1  
**Page:** Page 2 of 3  
**GEI Proj. No.** 129600

- Construction crew began installing pilings from crane barge
- HVE Demolition crew began removing the old marina building on the construction yard property
- No work was done with the hazardous waste material

## Relevant Photos



**Photo 1:** Waste Dock Material Staging Pile NW

# FIELD OBSERVATION REPORT

**Project :** Paerdegat Basin  
**Client :** National Grid  
**Contractor:** JT Cleary / H2M

**Date:** Thu. Mar 17, 2016  
**Report No.** 1  
**Page:** Page 3 of 3  
**GEI Proj. No.** 129600

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**Photo 2: Demolition of Old Marina Building N**

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# FIELD OBSERVATION REPORT

**Project :** Paerdegat Basin  
**Client :** National Grid  
**Contractor:** JT Cleary / H2M

**Date:** Fri. Mar 18, 2016  
**Report No.** 1  
**Page:** Page 1 of 3  
**GEI Proj. No.** 129600

---

**Time of Arrival:** 7:30 a.m.      **Departure:** 11:30 p.m.      **Weather:** 50s sunny, cloudy, NW wind 5-20 mph

## GEI Representatives

- Steve Nyczak

## Persons Contacted, Company

- Martin Camilleri H2M
- Chris Wygant JT Cleary

**Purpose of Site Visit:** Fugitive Dust Particle Monitoring

## Observations

### 1. Air Monitoring

Both Dust Trak monitors were set up at upwind and downwind ends of the waste dock material staging pile. This location makes the most sense, since the only remaining work with hazardous waste material is at this pile. Waste dock material was loaded in to dump trucks to be taken off site. Remaining waste dock material was consolidated from the site and left in the staging pile. Average readings at both Dust Traks were below 0.050 ug/m<sup>3</sup> all day.

Daily data collection report is attached.

Action Levels Exceeded:      Yes                      No    X  
Objection Odors Observed:    Yes                      No    X (only exhaust from excavator)  
(If any values exceeded indicate persons notified, time notified and corrective actions taken)

### 2. Turbidity Monitoring

Dock deconstruction was completed. No work was done with contaminated material in the Basin, and therefore no turbidity monitoring was necessary.

Daily data collection report is attached.

Turbidity Standards Exceeded:      Yes                      No    NA  
Sheens Observed:                      Yes                      No    NA  
Samples Collected:                      Yes                      No    NA  
(If standards exceeded or sheens observed indicate persons notified, time notified and corrective actions taken)  
(If samples collected describe and attach COC)

# FIELD OBSERVATION REPORT

**Project :** Paerdegat Basin  
**Client :** National Grid  
**Contractor:** JT Cleary / H2M

**Date:** Fri. Mar 18, 2016  
**Report No.** 1  
**Page:** Page 2 of 3  
**GEI Proj. No.** 129600

---

## 3. Demolition and Disposal Activities

Demolition and disposal activities completed include the following:

- 7-9:00AM waste dock material was loaded into dump trucks.
- Scraps and smaller pieces of waste dock material were consolidated by HVE crew and loaded into the last truck.
- The construction crew began the installation process for the new docks and pilings.
- The deconstruction crew spent the rest of the day demolishing the old marina building at the construction yard.

### Hazardous Waste Manifest Information

Left site at 10:00 am

Manifest Number: 009318478  
Weight: 12,700 KG  
Transporter: Jerry Blair  
Destination: Wayne Disposal Inc. Site 2 Landfill, 49350 N I-94 Service Dr. Belleville, MI 48111

Manifest Number: 009318483  
Weight: 16,800 KG  
Transporter: William J Schaffer  
Destination: Wayne Disposal Inc. Site 2 Landfill, 49350 N I-94 Service Dr. Belleville, MI 48111



# FIELD OBSERVATION REPORT

**Project :** Paerdegat Basin  
**Client :** National Grid  
**Contractor:** JT Cleary / H2M

**Date:** Fri. Mar 18, 2016  
**Report No.** 1  
**Page:** Page 3 of 3  
**GEI Proj. No.** 129600

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## Relevant Photos



**Photo 1:** Clean Space Where Waste Docks Were Piled NW

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## Appendix F

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### Manifests

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number <b>NVPACK968875</b>	2. Page 1 of <b>1</b>	3. Emergency Response Phone <b>1-800-424-9300</b>	4. Manifest Tracking Number <b>009318380 JJK</b>	
5. Generator's Name and Mailing Address <b>NATIONAL GRID HICKSVILLE, NY 11801</b>			Generator's Site Address (if different than mailing address) <del>175 EAST OLD COUNTRY RD. HICKSVILLE, NY 11801</del> <b>1310 PARKVIEW AVE BROOKLYN, NY 11236</b>			
Generator's Phone: <b>516-545-2586</b>						
6. Transporter 1 Company Name <b>US BULK TRANSPORT</b>			U.S. EPA ID Number <b>PAD987347515</b>			
7. Transporter 2 Company Name			U.S. EPA ID Number			
8. Designated Facility Name and Site Address <b>WAYNE DISPOSAL, INC. SITE #2 LANDFILL 49350 N. I-94 SERVICE DR. BELLEVILLE MI. 48111</b>			U.S. EPA ID Number <b>MID048090033</b>			
Facility's Phone: <b>800-592-5489</b>						
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
		No.	Type			
1.	<b>RG, POLYCHLORINATED BIPHENYLS, SOLID, 9, PGIII, ERG#171</b>	<b>1</b>	<b>DT</b>	<b>12,700</b>	<b>K</b>	<b>PCBI</b>
2.						
3.						
4.						
14. Special Handling Instructions and Additional Information <b>J155171WDL</b>  <b>STORAGE: 2-24-16</b>						
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.						
Generator's/Offeror's Printed/Typed Name <b>Steve Nyrook</b>			Signature <i>[Signature]</i>		Month <b>2</b>	Day <b>24</b>
					Year <b>16</b>	
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____						
17. Transporter Acknowledgment of Receipt of Materials						
Transporter 1 Printed/Typed Name <b>Terry Blair</b>			Signature <i>[Signature]</i>		Month <b>2</b>	Day <b>24</b>
Transporter 2 Printed/Typed Name			Signature		Year <b>16</b>	
18. Discrepancy						
18a. Discrepancy Indication Space <input checked="" type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
18b. Alternate Facility (or Generator) <b>Actual Weight 1634 kgs for PCB Amount w/ Manifest Reference Number: 332/25/16</b>						
Facility's Phone: _____						
18c. Signature of Alternate Facility (or Generator)					Month	Day
					Year	
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)						
1.	<b>PCB</b>	2.		3.		4.
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in item 18a						
Printed/Typed Name <b>Ru Shih</b>			Signature <i>[Signature]</i>		Month <b>2</b>	Day <b>25</b>
					Year <b>16</b>	



**FOR MANIFESTED PCB WASTE**

This certificate is to verify the wastes identified as Pcb Solid  
and specified on Manifest # 009318380J012, Line Item 1 has been landfilled on  
2/25, 2016 in accordance with all local, state and federal regulations by:

**Wayne Disposal, Inc**

(EPA I.D. # MID048090633)

49350 N. I-94 Service Drive, Belleville, Michigan 48111

Telephone: 1-800-KWALITY (592-5489)

Fax: 1-800-KWALFAX (592-5329)

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy. I certify as the company official having supervisory responsibility for the persons who are acting under my direct instructions made the verification that this information is true accurate and complete.

Authorized Signature: \_\_\_\_\_

US ECOLOGY 49350 N. I-94 SERVICE DRIVE BELLEVILLE, MICHIGAN 48111

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number <b>NYP 000 968 875</b>	2. Page 1 of <b>1</b>	3. Emergency Response Phone <b>800-424-9300</b>	4. Manifest Tracking Number <b>009318388 JJK</b>		
5. Generator's Name and Mailing Address <b>NATIONAL GRID 175 EAST OLD COUNTRY RD. HICKSVILLE, N.Y. 11801</b>			Generator's Site Address (if different than mailing address) <b>1310 PAERDEGAT AVE. NORTH BROOKLYN, N.Y. 11236</b>				
Generator's Phone: <b>516-545-5489</b>			U.S. EPA ID Number <b>PAD 987347515</b>				
6. Transporter 1 Company Name <b>U.S. BULK TRANSPORT, INC.</b>			U.S. EPA ID Number				
7. Transporter 2 Company Name			U.S. EPA ID Number				
8. Designated Facility Name and Site Address <b>WAYNE DISPOSAL INC. SITE #2 LANDFILL 4735D N I-94 SERVICE DRIVE BELLEVILLE, MI 48111</b>			U.S. EPA ID Number <b>MD048090633</b>				
Facility's Phone: <b>800-542-5489</b>							
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
			No.	Type			
	X	1. <b>RD, UN3432 POLYCHLORINATED BIPHENYLS, SOLID, 9, PG III, ERG #171</b>	<b>1</b>	<b>DT</b>	<b>EST 12,700</b>	<b>KG</b>	<b>PCB1</b>
		2.					
		3.					
		4.					
14. Special Handling Instructions and Additional Information <b>5155171 WDI / PCB IMPACTED MARINE DOCKS, GANTRYWAYS AND PIERS SSD - 3-1-16</b>							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Offor's Printed/Typed Name <b>William J. Ryan</b> Signature <b>William J. Ryan</b> Month <b>3</b> Day <b>1</b> Year <b>16</b>							
TRANSPORTER	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.:						
	Transporter signature (for exports only):						
	17. Transporter Acknowledgment of Receipt of Materials						
	Transporter 1 Printed/Typed Name <b>Jerry Blair</b>		Signature <b>[Signature]</b>		Month <b>3</b> Day <b>1</b> Year <b>16</b>		
	Transporter 2 Printed/Typed Name		Signature		Month Day Year		
DESIGNATED FACILITY	18. Discrepancy						
	18a. Discrepancy Indication Space <input checked="" type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
	<b>Ron Amanti with Sporton Environmental indicates 12700kg and disputes weight</b>						
	Manifest Reference Number:						
	18b. Alternate Facility (or Generator) U.S. EPA ID Number						
	Facility's Phone:						
	18c. Signature of Alternate Facility (or Generator)						Month Day Year
	19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)						
	1.	2.	3.	4.			
	20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a						
	Printed/Typed Name <b>Dan Smith</b>		Signature <b>[Signature]</b>		Month <b>3</b> Day <b>2</b> Year <b>16</b>		



**FOR MANIFESTED PCB WASTE**

This certificate is to verify the wastes identified as Pcb Solid  
and specified on Manifest # 669318388 JJK, Line Item 1 has been landfilled on  
3/2, 2016 in accordance with all local, state and federal regulations by:

***Wayne Disposal, Inc***

(EPA I.D. # MID048090633)

49350 N. I-94 Service Drive, Belleville, Michigan 48111

Telephone: 1-800-KWALITY (592-5489)

Fax: 1-800-KWALFAX (592-5329)

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy. I certify as the company official having supervisory responsibility for the persons who are acting under my direct instructions made the verification that this information is true accurate and complete.

Authorized Signature: \_\_\_\_\_

US ECOLOGY 49350 N. I-94 SERVICE DRIVE BELLEVILLE, MICHIGAN 48111



<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number NYP 000 968 875	2. Page 1 of 1	3. Emergency Response Phone 200-424-9300	4. Manifest Tracking Number <b>009318344 JJK</b>		
5. Generator's Name and Mailing Address NATIONAL GRID 175 EAST OLD COUNTRY RD. HICKSVILLE, N.Y. 11801			Generator's Site Address (if different than mailing address) 1310 PAERDEGAT AVE. NORTH BROOKLYN, N.Y.				
Generator's Phone: 516-515-5181							
6. Transporter 1 Company Name U.S. BULK TRANSPORT, INC.			U.S. EPA ID Number PAD987347515				
7. Transporter 2 Company Name			U.S. EPA ID Number				
8. Designated Facility Name and Site Address WAYNE DISPOSAL INC SITE #2 LANDFILL 4950 N 1-94 SERVICE DRIVE BELLEVILLE, MI 48111			U.S. EPA ID Number MID048090633				
Facility's Phone: 800-592-5181							
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	X	1. RQ, UN3432 POLYCHLORINATED BIPHENYLS, SOLID, 7, 26 III, ERG#171	1	DT	EST. 20,000	KG	PCB1
		2.					
		3.					
		4.					
14. Special Handling Instructions and Additional Information J155171 WSI / PCB IMPACTED MARINE DOCKS, GANGWAYS AND PIERS 03/01/2016							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Officer's Printed/Typed Name William J. Ryan National Grid			Signature <i>[Signature]</i>		Month Day Year 3 1 16		
INTL	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.:						
	17. Transporter Acknowledgment of Receipt of Materials						
TRANSPORTER	Transporter 1 Printed/Typed Name JAMES M. SARGENT			Signature <i>[Signature]</i>		Month Day Year 03 01 16	
	Transporter 2 Printed/Typed Name			Signature		Month Day Year	
DESIGNATED FACILITY	18. Discrepancy						
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection Rm Arhanti with sporadic environmental indicators 20,000 shipped and disputes weight discrepancy of 12,476 LBS 3/13/16						
	18b. Alternate Facility (or Generator)			Manifest Reference Number: U.S. EPA ID Number			
	Facility's Phone:						
	18c. Signature of Alternate Facility (or Generator)			Month Day Year			
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1. PCB		2.		3.		4.	
20. Designated Facility Owner or Operator - Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name Dan Sh...			Signature <i>[Signature]</i>		Month Day Year 3 2 16		





**FOR MANIFESTED PCB WASTE**

This certificate is to verify the wastes identified as Pcb Solid  
and specified on Manifest # 009318344JJN, Line Item 1 has been landfilled on  
3/2, 2016 in accordance with all local, state and federal regulations by:

***Wayne Disposal, Inc***

(EPA I.D. # MID048090633)

49350 N. I-94 Service Drive, Belleville, Michigan 48111

Telephone: 1-800-KWALITY (592-5489)

Fax: 1-800-KWALFAX (592-5329)

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy. I certify as the company official having supervisory responsibility for the persons who are acting under my direct instructions made the verification that this information is true accurate and complete.

Authorized Signature: \_\_\_\_\_

US ECOLOGY 49350 N. I-94 SERVICE DRIVE BELLEVILLE, MICHIGAN 48111

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number <b>NYP000968 875</b>	2. Page 1 of <b>1</b>	3. Emergency Response Phone <b>800-424-9300</b>	4. Manifest Tracking Number <b>009318389 JJK</b>		
5. Generator's Name and Mailing Address <b>NATIONAL GRID 175 EAST OLD COUNTRY RD. HICKSVILLE, NY 11801</b>			Generator's Site Address (if different than mailing address) <b>1310 PAERDEGAT AVE. NORTH BROOKLYN, N.Y. 11236</b>				
Generator's Phone: <b>516-545-5489</b>							
6. Transporter 1 Company Name <b>U.S. BULK TRANSPORT, INC.</b>			U.S. EPA ID Number <b>PA0987347515</b>				
7. Transporter 2 Company Name			U.S. EPA ID Number				
8. Designated Facility Name and Site Address <b>WAYNE DISPOSAL INC. SITE #2 LANDFILL 4935D N. I-94 SERVICE DR. BELLEVILLE, MI 48111</b>			U.S. EPA ID Number <b>MID048090633</b>				
Facility's Phone: <b>800-592-5189</b>							
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
			No.	Type			
	X	<b>1. RD, UN3432 POLYCHLORINATED BIPHENYLS, SOLID, 9 PGIII, ERG#171</b>	1	DT	12,700	KG	PCB1
14. Special Handling Instructions and Additional Information <b>MISSISSIPPI WDI / PCB IMPACTED MARINE DOCKS, GANTRYWAYS AND PIERS. 03/01/16</b>							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Offor's Printed/Typed Name <b>William J. Ryan - National Grid</b>			Signature <i>William J. Ryan</i>		Month Day Year <b>03 01 16</b>		
INT'L	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____						
	17. Transporter Acknowledgment of Receipt of Materials						
TRANSPORTER	Transporter 1 Printed/Typed Name <b>William J. SCHAFFNER</b>			Signature <i>William J. Schaffner</i>		Month Day Year <b>3 1 16</b>	
	Transporter 2 Printed/Typed Name			Signature		Month Day Year	
DESIGNATED FACILITY	18. Discrepancy						
	18a. Discrepancy Indication Space <input checked="" type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection <b>Rm Amanti with 3 partitions environmental indicates 12 tons shipped. weight discrepancy of 11182K BB 3/3/16</b>						
	18b. Alternate Facility (or Generator)			Manifest Reference Number: _____ U.S. EPA ID Number _____			
	Facility's Phone: _____						
	18c. Signature of Alternate Facility (or Generator)			Month Day Year			
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1. <b>PCB</b>		2.		3.		4.	
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name <b>Charles Dell, II</b>			Signature <i>Charles Dell, II</i>		Month Day Year <b>3 12 16</b>		

**FOR MANIFESTED PCB WASTE**

This certificate is to verify the wastes identified as Pcb Solid  
and specified on Manifest # 004318389 JJK, Line Item 1 has been landfilled on  
3/2, 2016 in accordance with all local, state and federal regulations by:

***Wayne Disposal, Inc***

(EPA I.D. # MID048090633)

49350 N. I-94 Service Drive, Belleville, Michigan 48111

Telephone: 1-800-KWALITY (592-5489)

Fax: 1-800-KWALFAX (592-5329)

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy. I certify as the company official having supervisory responsibility for the persons who are acting under my direct instructions made the verification that this information is true accurate and complete.

Authorized Signature: 

US ECOLOGY 49350 N. I-94 SERVICE DRIVE BELLEVILLE, MICHIGAN 48111





<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number NYP 000 9104 975	2. Page 1 of 1	3. Emergency Response Phone 1-800-424-9300	4. Manifest Tracking Number 010283718 JJK		
5. Generator's Name and Mailing Address NATIONAL GRID 175 EAST OLD COUNTRY RD HICKSVILLE NY 11801			Generator's Site Address (if different than mailing address) 1310 PIERDEGAT AVE N. BROOKLYN NY 11236				
6. Transporter 1 Company Name US BULK TRANSPORT, INC.			U.S. EPA ID Number MD 987 347 515				
7. Transporter 2 Company Name			U.S. EPA ID Number				
8. Designated Facility Name and Site Address WANUE DISPOSAL, INC. Site #2 LANDFILL 49350 N I-94 SERVICE DRIVE BELLEVUE MI 48111			U.S. EPA ID Number MD 048 090 633				
Facility's Phone: 800-592-5459							
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit WL/Vol.	13. Waste Codes	
		No.	Type				
1.	RQ, UN 3432, POLYCHLORINATED BIPHENYLS, SOLID, 9, PG III (ERG #171)	1	D	EST 12,700	K	P282	
2.							
3.							
4.							
14. Special Handling Instructions and Additional Information STORAGE: 2-28-16							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Offeror's Printed/Typed Name Stephen Nyeck				Signature <i>[Signature]</i>		Month Day Year 2 7 16	
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.:							
17. Transporter Acknowledgment of Receipt of Materials							
Transporter 1 Printed/Typed Name Jerry Blak				Signature <i>[Signature]</i>		Month Day Year 7 26 16	
Transporter 2 Printed/Typed Name				Signature		Month Day Year	
18. Discrepancy							
18a. Discrepancy Indication Space <input checked="" type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection Per A Montoni w/ Spauldon Environmental indicates 12700lb shipped and not disputes weight discrepancy of 9327K - RB 312/11/16							
18b. Alternate Facility (or Generator)				U.S. EPA ID Number			
Facility's Phone:							
18c. Signature of Alternate Facility (or Generator)						Month Day Year	
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1. PCB		2.		3.		4.	
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name Charles DeWitt				Signature <i>[Signature]</i>		Month Day Year 12 29 16	

FOR MANIFESTED PCB WASTE

This certificate is to verify the wastes identified as pcbSolid  
and specified on Manifest # 010283718JJK, Line Item 1 has been landfilled on  
2/29, 2016 in accordance with all local, state and federal regulations by:

**Wayne Disposal, Inc**  
(EPA I.D. # MID048090633)

49350 N. I-94 Service Drive, Belleville, Michigan 48111  
Telephone: 1-800-KWALITY (592-5489)  
Fax: 1-800-KWALFAX (592-5329)

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy. I certify as the company official having supervisory responsibility for the persons who are acting under my direct instructions made the verification that this information is true accurate and complete.

Authorized Signature: \_\_\_\_\_



US ECOLOGY 49350 N. I-94 SERVICE DRIVE BELLEVILLE, MICHIGAN 48111



<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number <b>NYP 000968 875</b>	2. Page 1 of <b>1</b>	3. Emergency Response Phone <b>1-800-424-9300</b>	4. Manifest Tracking Number <b>010283719 JJK</b>					
5. Generator's Name and Mailing Address <b>NATIONAL GRID 175 EAST OLD COUNTRY RD. HECKSVILLE NY 11801</b>			Generator's Site Address (if different than mailing address) <b>1310 PAERDEGAT AVE N. BROOKLYN NY 11236</b>							
6. Transporter 1 Company Name <b>US BULK TRANSPORT INC.</b>			U.S. EPA ID Number <b>IPAD 987347515</b>							
7. Transporter 2 Company Name			U.S. EPA ID Number							
8. Designated Facility Name and Site Address <b>WANYE DISPOSAL, INC. SITE #2 LANDFILL 49350 N I-94 SERVICE DRIVE BELLEVILLE MI 48111</b>			U.S. EPA ID Number <b>WED 048090633</b>							
Facility's Phone: <b>800-592-5489</b>										
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))		10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
		1. <b>RG, UN 3432, POLYCHLORINATED BIPHENYLS, SOLID 9, PG III (ERG #171)</b>		No.	Type	<b>EST 14,500</b>	<b>K</b>	<b>PCBI</b>		
		2.								
		3.								
		4.								
14. Special Handling Instructions and Additional Information <b>J155171WDI STORAGE: 2-26-16</b>										
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.										
Generator's/Offor's Printed/Typed Name <b>Stephen Nytrak</b>				Signature <i>[Signature]</i>		Month <b>2</b>		Day <b>26</b>		Year <b>2016</b>
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____										
17. Transporter Acknowledgment of Receipt of Materials										
Transporter 1 Printed/Typed Name <b>William S. Schaffner</b>				Signature <i>[Signature]</i>		Month <b>2</b>		Day <b>26</b>		Year <b>16</b>
Transporter 2 Printed/Typed Name				Signature		Month		Day		Year
18. Discrepancy										
18a. Discrepancy Indication Space <input checked="" type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection <b>Re Amount with Sp. Env. Environmental regulators 14500 shipped and disputes weight discrepancy at 125516. BB 3/2/16</b>										
18b. Alternate Facility (or Generator) Manifest Reference Number: _____ U.S. EPA ID Number _____										
Facility's Phone: _____										
18c. Signature of Alternate Facility (or Generator) _____ Month _____ Day _____ Year _____										
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)										
1. <b>POB</b> 2. 3. 4.										
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a										
Printed/Typed Name <b>Charles Delbitt</b>				Signature <i>[Signature]</i>		Month <b>2</b>		Day <b>29</b>		Year <b>16</b>



## FOR MANIFESTED PCB WASTE

This certificate is to verify the wastes identified as PcB Solid  
and specified on Manifest # 010283719JJA, Line Item 1 has been landfilled on  
2/29, 2016 in accordance with all local, state and federal regulations by:

**Wayne Disposal, Inc**

(EPA I.D. # MID048090633)

49350 N. I-94 Service Drive, Belleville, Michigan 48111

Telephone: 1-800-KWALITY (592-5489)

Fax: 1-800-KWALFAX (592-5329)

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who are acting under my direct instructions made the verification that this information is true accurate and complete.

Authorized Signature: 

US ECOLOGY 49350 N. I-94 SERVICE DRIVE BELLEVILLE, MICHIGAN 48111



**FOR MANIFESTED PCB WASTE**

This certificate is to verify the wastes identified as Pcb Solid  
and specified on Manifest # 669318388 JJK, Line Item 1 has been landfilled on  
3/2, 2016 in accordance with all local, state and federal regulations by:

***Wayne Disposal, Inc***

(EPA I.D. # MID048090633)

49350 N. I-94 Service Drive, Belleville, Michigan 48111

Telephone: 1-800-KWALITY (592-5489)

Fax: 1-800-KWALFAX (592-5329)

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy. I certify as the company official having supervisory responsibility for the persons who are acting under my direct instructions made the verification that this information is true accurate and complete.

Authorized Signature: \_\_\_\_\_

US ECOLOGY 49350 N. I-94 SERVICE DRIVE BELLEVILLE, MICHIGAN 48111



**FOR MANIFESTED PCB WASTE**

This certificate is to verify the wastes identified as Pcb Solid  
and specified on Manifest # 009318344JJN, Line Item 1 has been landfilled on  
3/2, 2016 in accordance with all local, state and federal regulations by:

***Wayne Disposal, Inc***

(EPA I.D. # MID048090633)

49350 N. I-94 Service Drive, Belleville, Michigan 48111

Telephone: 1-800-KWALITY (592-5489)

Fax: 1-800-KWALFAX (592-5329)

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy. I certify as the company official having supervisory responsibility for the persons who are acting under my direct instructions made the verification that this information is true accurate and complete.

Authorized Signature: \_\_\_\_\_

US ECOLOGY 49350 N. I-94 SERVICE DRIVE BELLEVILLE, MICHIGAN 48111

**FOR MANIFESTED PCB WASTE**

This certificate is to verify the wastes identified as Pcb Solid  
and specified on Manifest # 004318389 JJK, Line Item 1 has been landfilled on  
3/2, 2016 in accordance with all local, state and federal regulations by:

***Wayne Disposal, Inc***

(EPA I.D. # MID048090633)

49350 N. I-94 Service Drive, Belleville, Michigan 48111

Telephone: 1-800-KWALITY (592-5489)

Fax: 1-800-KWALFAX (592-5329)

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy. I certify as the company official having supervisory responsibility for the persons who are acting under my direct instructions made the verification that this information is true accurate and complete.

Authorized Signature: 

US ECOLOGY 49350 N. I-94 SERVICE DRIVE BELLEVILLE, MICHIGAN 48111



**FOR MANIFESTED PCB WASTE**

This certificate is to verify the wastes identified as pcbSolid  
and specified on Manifest # 010283718JJK, Line Item 1 has been landfilled on  
2/29, 2016 in accordance with all local, state and federal regulations by:

**Wayne Disposal, Inc**  
(EPA I.D. # MID048090633)

49350 N. I-94 Service Drive, Belleville, Michigan 48111  
Telephone: 1-800-KWALITY (592-5489)  
Fax: 1-800-KWALFAX (592-5329)

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy. I certify as the company official having supervisory responsibility for the persons who are acting under my direct instructions made the verification that this information is true accurate and complete.

Authorized Signature: \_\_\_\_\_



US ECOLOGY 49350 N. I-94 SERVICE DRIVE BELLEVILLE, MICHIGAN 48111



## FOR MANIFESTED PCB WASTE

This certificate is to verify the wastes identified as PcB Solid  
and specified on Manifest # 010283719JJA, Line Item 1 has been landfilled on  
2/29, 2016 in accordance with all local, state and federal regulations by:

**Wayne Disposal, Inc**

(EPA I.D. # MID048090633)

49350 N. I-94 Service Drive, Belleville, Michigan 48111

Telephone: 1-800-KWALITY (592-5489)

Fax: 1-800-KWALFAX (592-5329)

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who are acting under my direct instructions made the verification that this information is true accurate and complete.

Authorized Signature: 

US ECOLOGY 49350 N. I-94 SERVICE DRIVE BELLEVILLE, MICHIGAN 48111



<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number <b>NYP 000 968 875</b>		2. Page 1 of <b>1</b>		3. Emergency Response Phone <b>800-424-9300</b>		4. Manifest Tracking Number <b>009318392 JJK</b>	
5. Generator's Name and Mailing Address <b>860-365-5300 NATIONAL GRID 175 EAST OLD COUNTRY RD HILLSVILLE NY 11801</b>				Generator's Site Address (if different than mailing address) <b>1310 PAERDEBAT NORTH BROOKLYN NY 11236</b>					
Generator's Phone: <b>516-545-5452-SW</b>									
6. Transporter 1 Company Name <b>U.S. Bulk Transport, Inc.</b>				U.S. EPA ID Number <b>PAD 987347515</b>					
7. Transporter 2 Company Name				U.S. EPA ID Number					
8. Designated Facility Name and Site Address <b>WAYNE DISPOSAL, INC - SITE #2 LANDFILL 49350 NORTH 1-94 SERVICE DRIVE BELLEVILLE MI 48111</b>				U.S. EPA ID Number <b>MID 048 090 633</b>					
Facility's Phone: <b>800 592 5488</b>									
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))			10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
					No.	Type			
	X	1. <b>RR, UN3432, POLYCHLORINATED BIPHENYLS, SOLID, 9, PK III, ERG # 171</b>			1	DT	12,700	Kg	PB1
		2.							
		3.							
	4.								
14. Special Handling Instructions and Additional Information <b>ISSUING / RB IMPACTED MARINA DOCKS, GARDWAYS AND PIER.</b> <b>OSD: 03/04/16</b>									
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.									
Generator's/Officer's Printed/Typed Name <b>Steve Ayres off belleville mi for National Grid</b>				Signature <i>[Signature]</i>				Month Day Year <b>3 4 16</b>	
INT'L	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____								
	17. Transporter Acknowledgment of Receipt of Materials								
TRANSPORTER	Transporter 1 Printed/Typed Name <b>William J. Schaffner</b>				Signature <i>[Signature]</i>				Month Day Year <b>3 4 16</b>
	Transporter 2 Printed/Typed Name				Signature				Month Day Year
DESIGNATED FACILITY	18. Discrepancy								
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection								
	Manifest Reference Number: _____								
	18b. Alternate Facility (or Generator) U.S. EPA ID Number								
	Facility's Phone: _____								
	18c. Signature of Alternate Facility (or Generator) Month Day Year								
	19. Hazardous Waste Report Management Method Codes (i.e. codes for hazardous waste treatment, disposal, and recycling systems)								
	1. <b>PCB</b>	2.	3.	4.					
	20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a								
	Printed/Typed Name <b>Don Shaffer</b>				Signature <i>[Signature]</i>				Month Day Year <b>3 7 16</b>

FOR MANIFESTED PCB WASTE

This certificate is to verify the wastes identified as Pcb Solid  
and specified on Manifest # 60931839205K, Line Item 1 has been landfilled on  
3/7, 2016 in accordance with all local, state and federal regulations by:

**Wayne Disposal, Inc**

(EPA I.D. # MID048090633)

49350 N. I-94 Service Drive, Belleville, Michigan 48111

Telephone: 1-800-KWALITY (592-5489)

Fax: 1-800-KWALFAX (592-5329)

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy. I certify as the company official having supervisory responsibility for the persons who are acting under my direct instructions made the verification that this information is true accurate and complete.

Authorized Signature: \_\_\_\_\_

US ECOLOGY 49350 N. I-94 SERVICE DRIVE BELLEVILLE, MICHIGAN 48111

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number <b>NYP 000 968 875</b>	2. Page 1 of <b>1</b>	3. Emergency Response Phone <b>800-424-9300</b>	4. Manifest Tracking Number <b>009318394 JJK</b>		
5. Generator's Name and Mailing Address <b>NATIONAL GRID INC 175 EAST OLD COUNTRY RD HICKSVILLE NY 11801</b>		Generator's Site Address (if different than mailing address) <b>1310 PAERDEBAT AVE NORTH BROOKLYN NY 11236</b>					
Generator's Phone: <b>516 545-2880</b>		U.S. EPA ID Number <b>PAD 987347 515</b>					
6. Transporter 1 Company Name <b>U.S. Bulk Transport Inc</b>		U.S. EPA ID Number					
7. Transporter 2 Company Name		U.S. EPA ID Number					
8. Designated Facility Name and Site Address <b>WAYNE DISPOSAL INC. SITE #2 LANDFILL 49350 NORTH 1-94 SERVICE DRIVE BELLEVILLE MI 48111</b>		U.S. EPA ID Number <b>MID 048 090 633</b>					
Facility's Phone: <b>800 592 5489</b>							
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
			No.	Type			
		<b>1. RR, UN3132, POLYCHLORINATED BIPHENYLS, X SOLID, 9, PG III, ERG # 171</b>	<b>1</b>	<b>DT</b>	<b>EST 12,700</b>	<b>Kg</b>	<b>P2B1</b>
		<b>2.</b>					
		<b>3.</b>					
		<b>4.</b>					
14. Special Handling Instructions and Additional Information <b>J155171 WDI / PCB IMPACTED MARINA DOCKS, BARBWAYS AND PIERS. SSD - 3-8-16</b>							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Officer's Printed/Typed Name <b>Steve Vogel</b>		Signature <i>[Signature]</i>				Month Day Year <b>5 8 16</b>	
INTL	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____						
	Transporter signature (for exports only): _____						
TRANSPORTER	17. Transporter Acknowledgment of Receipt of Materials						
	Transporter 1 Printed/Typed Name <b>James Blum</b>		Signature <i>[Signature]</i>				Month Day Year <b>3 8 16</b>
	Transporter 2 Printed/Typed Name		Signature				Month Day Year
DESIGNATED FACILITY	18. Discrepancy						
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
	Manifest Reference Number: _____						
	18b. Alternate Facility (or Generator) U.S. EPA ID Number						
	Facility's Phone: _____						
	18c. Signature of Alternate Facility (or Generator)						Month Day Year
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1. <b>PCB</b>		2.		3.		4.	
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name <b>Charles DeWitt</b>		Signature <i>[Signature]</i>				Month Day Year <b>3 9 16</b>	




FOR MANIFESTED PCB WASTE

This certificate is to verify the wastes identified as Pcb Solid  
 and specified on Manifest # 009318394JJh, Line Item 1 has been landfilled on  
3/9, 2016 in accordance with all local, state and federal regulations by:

**Wayne Disposal, Inc**  
 (EPA I.D. # MID048090633)

49350 N. I-94 Service Drive, Belleville, Michigan 48111  
 Telephone: 1-800-KWALITY (592-5489)  
 Fax: 1-800-KWALFAX (592-5329)

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy. I certify as the company official having supervisory responsibility for the persons who are acting under my direct instructions made the verification that this information is true accurate and complete.

Authorized Signature: 

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number NYP 000 968 875	2. Page 1 of 1	3. Emergency Response Phone 1-800-424-9300	4. Manifest Tracking Number <b>009318396 JJK</b>		
5. Generator's Name and Mailing Address NATIONAL GRID 175 EAST OLD COUNTRY RD. HICKSVILLE, NY 11801			Generator's Site Address (if different than mailing address) 1310 PAERDEGAT AVE, NORTH BROOKLYN, NY 11236				
Generator's Phone: 516-915-2586							
6. Transporter 1 Company Name U.S. BULK TRANSPORT, INC.			U.S. EPA ID Number PAD 987347 515				
7. Transporter 2 Company Name			U.S. EPA ID Number				
8. Designated Facility Name and Site Address WAYNE DISPOSAL, INC. SITE #2 LANDFILL 4935D N T-94 SERVICE DRIVE BELLEVILLE, MI 48111			U.S. EPA ID Number MID 048 090 633				
Facility's Phone: 800-512-5489							
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit WL/Vol.	13. Waste Codes
			No.	Type			
	X	1. RD, UN3142 POLYCHLORINATED BIPHENYLS, SOLID, 9, PCB, ERG #171	1	DT	12,700	K	PCB1
		2.					
		3.					
		4.					
14. Special Handling Instructions and Additional Information 555171 WDI / PCB IMPACTED MARINA DOCKS, GANGLWAYS AND PIERS. 03/10/16							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Offor's Printed/Typed Name Steve Verrill			Signature [Signature]			Month Day Year 3 10 16	
INT'L	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____						
	17. Transporter Acknowledgment of Receipt of Materials						
TRANSPORTER	Transporter 1 Printed/Typed Name William J. Schaefer			Signature [Signature]			Month Day Year 3 10 16
	Transporter 2 Printed/Typed Name			Signature			Month Day Year
DESIGNATED FACILITY	18. Discrepancy						
	18a. Discrepancy Indication Space <input checked="" type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection Rem Amount of 300 lb in Environmental indicators 12,700 lb shipped and not disposed right disc 2011 14/01/15k 10/01/16 3/11/16						
	18b. Alternate Facility (for Generator)			Manifest Reference Number:			
	Facility's Phone:			U.S. EPA ID Number			
	18c. Signature of Alternate Facility (or Generator)			Month Day Year			
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1. PCB		2.		3.		4.	
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name Charles DeBitt			Signature [Signature]			Month Day Year 3 11 16	

**FOR MANIFESTED PCB WASTE**

This certificate is to verify the wastes identified as Pcb Solid  
and specified on Manifest # 009318396JJK, Line Item 1 has been landfilled on  
3/11, 2016 in accordance with all local, state and federal regulations by:

***Wayne Disposal, Inc***

(EPA I.D. # MID048090633)

49350 N. I-94 Service Drive, Belleville, Michigan 48111

Telephone: 1-800-KWALITY (592-5489)

Fax: 1-800-KWALFAX (592-5329)

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy. I certify as the company official having supervisory responsibility for the persons who are acting under my direct instructions made the verification that this information is true accurate and complete.

Authorized Signature: \_\_\_\_\_



US ECOLOGY 49350 N. I-94 SERVICE DRIVE BELLEVILLE, MICHIGAN 48111





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Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number <b>NYP000 968 875</b>	2. Page 1 of <b>1</b>	3. Emergency Response Phone <b>1-800-424-9300</b>	4. Manifest Tracking Number <b>010283700 JJK</b>		
5. Generator's Name and Mailing Address <b>NATIONAL GAID 175 EASTOLD COUNTRY ROAD HICKSVILLE NY 11801</b>			Generator's Site Address (if different than mailing address) <b>1310 PAERDEGAT NORTH BROOKLYN NY 11236</b>				
Generator's Phone: <b>516-545-7586</b>							
6. Transporter 1 Company Name <b>U.S. BULK TRANSPORT INC</b>			800 642 8910		U.S. EPA ID Number <b>PAA 987347515</b>		
7. Transporter 2 Company Name			U.S. EPA ID Number				
8. Designated Facility Name and Site Address <b>WAYNE DISPOSAL INC SITE #2 LANDFILL 49350 N 194 SERVICE DRIVE</b>			U.S. EPA ID Number <b>MID 048 090 633</b>				
Facility's Phone: <b>800 592-5489 BELLEVILLE MI 48111</b>							
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	X	1. UN 3432 POLYCHLORINATED BIPHENYLS, solid, 9, PG11 ERG 171	1	DT	12,700	K	P&B1
		2.					
		3.					
		4.					
14. Special Handling Instructions and Additional Information <b>1. J 15517 (W)/ P&amp;B IMPACTED MARINA DOCKS, GANGWAYS, AND PIERS</b> <b>SD 3-8-16</b>							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Offeror's Printed/Typed Name <b>St. Nyrick</b>			Signature <i>[Signature]</i>		Month Day Year <b>3 5 16</b>		
INTL	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.			Port of entry/exit: Date leaving U.S.:			
	Transporter signature (for exports only):						
TRANSPORTER	17. Transporter Acknowledgment of Receipt of Materials						
	Transporter 1 Printed/Typed Name <b>Michael P. Poff</b>		Signature <i>[Signature]</i>		Month Day Year <b>03 08 16</b>		
DESIGNATED FACILITY	Transporter 2 Printed/Typed Name		Signature		Month Day Year		
	18. Discrepancy						
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
	Manifest Reference Number:						
	18b. Alternate Facility (or Generator) U.S. EPA ID Number						
Facility's Phone:							
18c. Signature of Alternate Facility (or Generator) Month Day Year							
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1. <b>P&amp;B</b>		2.		3.		4.	
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name <b>Charles Delibata</b>			Signature <i>[Signature]</i>		Month Day Year <b>3 9 16</b>		



**FOR MANIFESTED PCB WASTE**

This certificate is to verify the wastes identified as pcbSolid  
and specified on Manifest # 010283760JJK, Line Item 1 has been landfilled on  
3/9, 2016 in accordance with all local, state and federal regulations by:

***Wayne Disposal, Inc***

(EPA I.D. # MID048090633)

49350 N. I-94 Service Drive, Belleville, Michigan 48111

Telephone: 1-800-KWALITY (592-5489)

Fax: 1-800-KWALFAX (592-5329)

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy. I certify as the company official having supervisory responsibility for the persons who are acting under my direct instructions made the verification that this information is true accurate and complete.

Authorized Signature: \_\_\_\_\_

US ECOLOGY 49350 N. I-94 SERVICE DRIVE BELLEVILLE, MICHIGAN 48111

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number <b>NYP 000 968 875</b>	2. Page 1 of <b>1</b>	3. Emergency Response Phone <b>800-424-9300</b>	4. Manifest Tracking Number <b>009318390 JJK</b>		
5. Generator's Name and Mailing Address <b>460-364-5300 54 HICKSVILLE NY 11801</b>			Generator's Site Address (if different than mailing address) <b>1310 PAERDEBAT AVE NORTH BROOKLYN NY 11236</b>				
Generator's Phone: <b>516-545-2586</b>							
6. Transporter 1 Company Name <b>U.S. Bulk Transport, Inc.</b>				U.S. EPA ID Number <b>PAD 987347515</b>			
7. Transporter 2 Company Name				U.S. EPA ID Number			
8. Designated Facility Name and Site Address <b>Wayne Disposal Inc - STE #2 LANDFILL 49350 N I-94 SERVICE DRIVE BELLEVILLE MI 48111</b>			U.S. EPA ID Number <b>MID 048 090 633</b>				
Facility's Phone: <b>800-592-5489</b>							
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
			No.	Type			
	X	1. RD, UN3142, POLYCHLORINATED BIPHENYLS, SOLID, 9, PG III, ERG # 171	1	DT	EST 12,700	Kg	PCB1
		2.					
		3.					
		4.					
14. Special Handling Instructions and Additional Information <b>JISSITI WDI / PCB IMPACTED MARINA DOCKS, GANGWAYS and PIERS</b>							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Offor's Printed/Typed Name <b>Steve V. ...</b>		Signature <i>[Signature]</i>		Month <b>13</b>		Day <b>4</b>	
				Year <b>16</b>			
TRANSPORTER	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____						
	17. Transporter Acknowledgment of Receipt of Materials						
	Transporter 1 Printed/Typed Name <b>Jersey Blair</b>		Signature <i>[Signature]</i>		Month <b>3</b>		Day <b>4</b>
				Year <b>16</b>			
DESIGNATED FACILITY	18. Discrepancy						
	18a. Discrepancy Indication Space <input checked="" type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
	18b. Alternate Facility (or Generator) <b>actual weight is 2912.66 per Don Amantini / sp. to ...</b>						
	U.S. EPA ID Number						
	Facility's Phone: _____						
18c. Signature of Alternate Facility (or Generator)							
Month <b>3</b>							
Day <b>7</b>							
Year <b>16</b>							
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1. <b>PCB</b>		2.		3.		4.	
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name <b>Don Amantini</b>		Signature <i>[Signature]</i>		Month <b>3</b>		Day <b>7</b>	
				Year <b>16</b>			



**FOR MANIFESTED PCB WASTE**

This certificate is to verify the wastes identified as pcb Solid  
and specified on Manifest # 009318390 JJA, Line Item 1 has been landfilled on  
3/7, 2016 in accordance with all local, state and federal regulations by:

***Wayne Disposal, Inc***

(EPA I.D. # MID048090633)

49350 N. I-94 Service Drive, Belleville, Michigan 48111

Telephone: 1-800-KWALITY (592-5489)

Fax: 1-800-KWALFAX (592-5329)

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy. I certify as the company official having supervisory responsibility for the persons who are acting under my direct instructions made the verification that this information is true accurate and complete.

Authorized Signature: \_\_\_\_\_

US ECOLOGY 49350 N. I-94 SERVICE DRIVE BELLEVILLE, MICHIGAN 48111



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<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number NYP 000 968 875	2. Page 1 of 1	3. Emergency Response Phone 800-424-9300	4. Manifest Tracking Number 009318393 JJK	
5. Generator's Name and Mailing Address 860-366-5300 NATIONAL GRID 175 EAST OLD COUNTRY RD HILLSVILLE NY 11801			Generator's Site Address (if different than mailing address) 1310 PAERDEGAT AVE NORTH BROOKLYN NY 11236			
Generator's Phone: 516-546-2586 516-546-5522						
6. Transporter 1 Company Name U.S. Bulk Transport, Inc.			U.S. EPA ID Number PAD 987347515			
7. Transporter 2 Company Name			U.S. EPA ID Number			
8. Designated Facility Name and Site Address WAYHE DISPOSAL, INC. SITE #2 LANDFILL 49350 NORTH I-94 SERVICE RD BELLEVILLE MI 48111			U.S. EPA ID Number MID 048090633			
Facility's Phone:						
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type		11. Total Quantity	12. Unit Wt/Vol.
		1. RQ, UN3432, POLYCHLORINATED BIPHENYLS, SOLID, 9, PCB, ERG# 171	1	DT	EST 2,700	Kg
		2.				
		3.				
		4.				
13. Waste Codes PCB1						
14. Special Handling Instructions and Additional Information J155171 WDI / PCB IMPACTED MARINA DOCKS, GATEWAYS AND PIERS. 05/03/04/16						
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.						
Generator's/Offor's Printed/Typed Name Steve Nyrck			Signature [Signature]		Month Day Year 3 4 16	
INT'L	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____					
	17. Transporter Acknowledgment of Receipt of Materials					
TRANSPORTER	Transporter 1 Printed/Typed Name Michael P. Poff			Signature [Signature]		Month Day Year 03 04 16
	Transporter 2 Printed/Typed Name			Signature		Month Day Year
DESIGNATED FACILITY	18. Discrepancy					
	18a. Discrepancy Indication Space <input checked="" type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection Ron Amanti with Spartan Environmental indicates 2700kg shipped and disputes weight discrepancy of 13964kg BB 3/16/16					
	18b. Alternate Facility (or Generator)			U.S. EPA ID Number		
	Facility's Phone:					
	18c. Signature of Alternate Facility (or Generator)			Month Day Year		
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)						
1. PCB		2.		3.		4.
20. Designated Facility Owner or Operator Certification of receipt of hazardous materials covered by the manifest except as noted in item 18a						
Printed/Typed Name Dan Shilke			Signature [Signature]		Month Day Year 3 7 16	

**FOR MANIFESTED PCB WASTE**

This certificate is to verify the wastes identified as Pcb Solid  
and specified on Manifest # 009318393JJA, Line Item 1 has been landfilled on  
3/7, 2016 in accordance with all local, state and federal regulations by:

**Wayne Disposal, Inc**

(EPA I.D. # MID048090633)

49350 N. I-94 Service Drive, Belleville, Michigan 48111

Telephone: 1-800-KWALITY (592-5489)

Fax: 1-800-KWALFAX (592-5329)

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy. I certify as the company official having supervisory responsibility for the persons who are acting under my direct instructions made the verification that this information is true accurate and complete.

Authorized Signature: \_\_\_\_\_

US ECOLOGY 49350 N. I-94 SERVICE DRIVE BELLEVILLE, MICHIGAN 48111



<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number <b>NYP 000 968 875</b>	2. Page 1 of <b>1</b>	3. Emergency Response Phone <b>1-800-424-9300</b>	4. Manifest Tracking Number <b>009318397 JJK</b>		
5. Generator's Name and Mailing Address <b>NATIONAL GRID 175 EAST OLD COUNTRY RD. HICKSVILLE, NY 11801</b>			Generator's Site Address (if different than mailing address) <b>1310 PAERDEGAT AVE NORTH BROOKLYN, NY 11236</b>				
Generator's Phone: <b>516-545-2584</b>							
6. Transporter 1 Company Name <b>U.S. BULK TRANSPORT, INC.</b>			U.S. EPA ID Number <b>PAD 987347515</b>				
7. Transporter 2 Company Name			U.S. EPA ID Number				
8. Designated Facility Name and Site Address <b>WAYNE DISPOSAL, INC. SITE #2 LANDFILL 4935D N. I-94 SERVICE DRIVE BELLEVILLE, MI 48111</b>			U.S. EPA ID Number <b>MID048090633</b>				
Facility's Phone: <b>800-592-9489</b>							
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	X	<b>1. RG, UN3432, POLYCHLORINATED BIPHENYLS, SOLID, 9, PG II, EREG #71</b>	1	DT	EST 12.700	K	<b>RCB1</b>
	2.						
	3.						
	4.						
14. Special Handling Instructions and Additional Information <b>3155171 WDI / PCB IMPACTED MARINA DOCKS, GANGWAYS AND PIERS. 3/10/16</b>							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Officer's Printed/Typed Name <b>Steve Nyrada</b> Signature <i>[Signature]</i> Month <b>3</b> Day <b>10</b> Year <b>16</b>							
INTL	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____						
	17. Transporter Acknowledgment of Receipt of Materials						
TRANSPORTER	Transporter 1 Printed/Typed Name <b>Jerry Blair</b>			Signature <i>[Signature]</i>		Month <b>3</b> Day <b>10</b> Year <b>16</b>	
	Transporter 2 Printed/Typed Name			Signature		Month Day Year	
DESIGNATED FACILITY	18. Discrepancy						
	18a. Discrepancy Indication Space <input checked="" type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection <b>Weight discrepancy not 126000</b>						
	18b. Alternate Facility (or Generator)			Manifest Reference Number: _____ U.S. EPA ID Number			
	Facility's Phone: _____						
	18c. Signature of Alternate Facility (or Generator)			Month Day Year			
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1. <b>PCB</b>		2.		3.		4.	
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name <b>Charles DeWitt</b>			Signature <i>[Signature]</i>		Month <b>3</b> Day <b>11</b> Year <b>16</b>		

**FOR MANIFESTED PCB WASTE**

This certificate is to verify the wastes identified as Pcb Solid  
and specified on Manifest # 009318397JJK, Line Item 1 has been landfilled on  
3/11, 2016 in accordance with all local, state and federal regulations by:

***Wayne Disposal, Inc***  
(EPA I.D. # MID048090633)

49350 N. I-94 Service Drive, Belleville, Michigan 48111  
Telephone: 1-800-KWALITY (592-5489)  
Fax: 1-800-KWALFAX (592-5329)

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy. I certify as the company official having supervisory responsibility for the persons who are acting under my direct instructions made the verification that this information is true accurate and complete.

Authorized Signature: \_\_\_\_\_

US ECOLOGY 49350 N. I-94 SERVICE DRIVE BELLEVILLE, MICHIGAN 48111



155

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number NYP 000 968 815	2. Page 1 of 1	3. Emergency Response Phone 1-800-424-4300	4. Manifest Tracking Number 009318485 JJK	
5. Generator's Name and Mailing Address NATIONAL GRID 175 EAST OLD COUNTRY RD. MCKSVILLE, NY 11801			Generator's Site Address (if different than mailing address) 1310 PAERDEGAT AVE NORTH BROOKLYN, NY 11236			
Generator's Phone: 516-545-3489			U.S. EPA ID Number PAD 487 347 515			
6. Transporter 1 Company Name U.S. BULK TRANSPORT, INC.			U.S. EPA ID Number			
7. Transporter 2 Company Name			U.S. EPA ID Number			
8. Designated Facility Name and Site Address WAYNE DISPOSAL, INC. SITE #2 LAND FILL 4935D N I-90 SERVICE DRIVE BELLEVILLE, MI 48111			U.S. EPA ID Number MID 048 090 633			
Facility's Phone: 800-592-5489						
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ, UN3432, POLYCHLORINATED BIPHENYLS, SOLID, 9, PG II, ERG #171	1	DT	EST 12.00	KG	PCB1
	2.					
	3.					
	4.					
14. Special Handling Instructions and Additional Information J155171 WDI / PCB IMPACTED MARINA DOCKS, GANGWAYS AND PIERS 3/10/16						
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.						
Generator's/Offeror's Printed/Typed Name Steve Nyczel		Signature [Signature]		Month Day Year 3 10 16		
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Transporter signature (for exports only): _____ Date leaving U.S.: _____						
17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Michael PROFF Signature [Signature] Month Day Year 03 10 16 Transporter 2 Printed/Typed Name Signature Month Day Year						
18. Discrepancy 18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection Manifest Reference Number: _____ 18b. Alternate Facility (or Generator) U.S. EPA ID Number Facility's Phone: _____ 18c. Signature of Alternate Facility (or Generator) Month Day Year						
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 1. PCB 2. 3. 4.						
20. Designated Facility Owner or Operator, Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Name Dan Smith Signature [Signature] Month Day Year 3 11 16						



**FOR MANIFESTED PCB WASTE**

This certificate is to verify the wastes identified as Pcb Solid  
and specified on Manifest # 009318485 JJK, Line Item 1 has been landfilled on  
3/11, 2016 in accordance with all local, state and federal regulations by:

***Wayne Disposal, Inc***

(EPA I.D. # MID048090633)

49350 N. I-94 Service Drive, Belleville, Michigan 48111

Telephone: 1-800-KWALITY (592-5489)

Fax: 1-800-KWALFAX (592-5329)

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy. I certify as the company official having supervisory responsibility for the persons who are acting under my direct instructions made the verification that this information is true accurate and complete.

Authorized Signature: \_\_\_\_\_

US ECOLOGY 49350 N. I-94 SERVICE DRIVE BELLEVILLE, MICHIGAN 48111



<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number <b>NYP 000 968 875</b>		2. Page 1 of <b>1</b>		3. Emergency Response Phone <b>1-800-424-7300</b>		4. Manifest Tracking Number <b>010283696 JJK</b>		
		5. Generator's Name and Mailing Address <b>NATIONAL GRID 175 EAST OLD COUNTRY ROAD HICKSVILLE NY 11801</b>				Generator's Site Address (if different than mailing address) <b>1310 PAERDEGAT NORTH BROOKLYN NY 11236</b>				
Generator's Phone: <b>516-545-2586</b>		6. Transporter 1 Company Name <b>U.S. BULK TRANSPORT INC</b>				U.S. EPA ID Number <b>PAD 987347515</b>				
		7. Transporter 2 Company Name				U.S. EPA ID Number				
8. Designated Facility Name and Site Address <b>WAYNE DISPOSAL, INC. SITE 2 LANDFILL 49350 N. 94 SERVICE DRIVE BELLEVILLE MI 48111</b>						U.S. EPA ID Number <b>MID 048 090 633</b>				
Facility's Phone: <b>800 592-5489</b>										
<b>GENERATOR</b>	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))				10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1.	<b>X UN3432 POLYCHLORINATED BIPHENYLS, SOLID, S, PGII, CBG #171</b>				1	DT	12,700	K	PCB1
	2.									
	3.									
	4.									
14. Special Handling Instructions and Additional Information <b>1. J1551700/ PCB IMPACTED MARINA DOCKS, GANGWAYS, AND PIERLS</b> <b>SSD - 3-8-16</b>										
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.										
Generator's/Offor's Printed/Typed Name <b>Steve Nye</b>						Signature <i>[Signature]</i>		Month Day Year <b>3 8 16</b>		
<b>TRANSPORTER</b>	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.:									
	17. Transporter Acknowledgment of Receipt of Materials									
	Transporter 1 Printed/Typed Name <b>WILLIAM S. SCHAFFNER</b>						Signature <i>[Signature]</i>		Month Day Year <b>3 8 16</b>	
Transporter 2 Printed/Typed Name						Signature		Month Day Year		
<b>DESIGNATED FACILITY</b>	18. Discrepancy									
	18a. Discrepancy Indication Space <input checked="" type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection <b>Re 1 Amount indicates 127000 shipped and disputes weight charge, per copy of 160916</b>									
	18b. Alternate Facility (or, Generator) Manifest Reference Number: <b>AB311416</b>									
	18c. Signature of Alternate Facility (or Generator) Month Day Year									
	19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)									
1. <b>RCO</b>		2.		3.		4.				
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a										
Printed/Typed Name <b>Charles DeWitt</b>						Signature <i>[Signature]</i>		Month Day Year <b>13 19 16</b>		

**FOR MANIFESTED PCB WASTE**

This certificate is to verify the wastes identified as pcb Solid  
and specified on Manifest # 010283696 JK, Line Item 1 has been landfilled on  
3/9, 2016 in accordance with all local, state and federal regulations by:

***Wayne Disposal, Inc***

(EPA I.D. # MID048090633)


49350 N. I-94 Service Drive, Belleville, Michigan 48111

Telephone: 1-800-KWALITY (592-5489)

Fax: 1-800-KWALFAX (592-5329)

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy. I certify as the company official having supervisory responsibility for the persons who are acting under my direct instructions made the verification that this information is true accurate and complete.

Authorized Signature: \_\_\_\_\_



US ECOLOGY 49350 N. I-94 SERVICE DRIVE BELLEVILLE, MICHIGAN 48111



#129

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number NYP 0009168875	2. Page 1 of 1	3. Emergency Response Phone 1-800-474-9300	4. Manifest Tracking Number 009318480 JJK		
5. Generator's Name and Mailing Address National and 175 East Old Country Rd. Hicksville, NY 11801			Generator's Site Address (if different than mailing address) 1310 Kierdelegat Ave, North Brooklyn, NY 11236				
Generator's Phone: 516-545-2586			U.S. EPA ID Number PA0917347515				
6. Transporter 1 Company Name US Bulk Transport Inc			U.S. EPA ID Number				
7. Transporter 2 Company Name			U.S. EPA ID Number				
8. Designated Facility Name and Site Address WINE DISPOSEL INC, SITE #2 LINDEN 49350 N. 1-94 SERVICE DRIVE Belleville, MI 48111			U.S. EPA ID Number MID 0480910633				
Facility's Phone: 734-5489							
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
		No.	Type				
X	1. 20 UN 3432 CONTAINMENT DIPPONIS, SAVER, 9. PAIL, EXG #171	1	DT	2000 EST.	KG	PCB1	
	2.						
	3.						
	4.						
14. Special Handling Instructions and Additional Information J155 MIINDI/PCB impacted making clocks, gangways and piers. SSD - 3-14-16 SSD - 3-14-16							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Offor's Printed/Typed Name Steve Nyeck				Signature 		Month Day Year 3 14 16	
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____							
17. Transporter Acknowledgment of Receipt of Materials							
Transporter 1 Printed/Typed Name JAMES M. SARGENT				Signature 		Month Day Year 03 14 16	
Transporter 2 Printed/Typed Name				Signature		Month Day Year	
18. Discrepancy							
18a. Discrepancy Indication Space <input checked="" type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection Re Amount of 500.000 Environmental indicators for 2000 shipped and disputes Weight change 9736 kg 3/11/16							
18b. Alternate Facility (or Generator)				U.S. EPA ID Number			
Facility's Phone:							
18c. Signature of Alternate Facility (or Generator)						Month Day Year	
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1. PCB		2.		3.		4.	
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name Tom Brown				Signature 		Month Day Year 3 15 16	

FOR MANIFESTED PCB WASTE

This certificate is to verify the wastes identified as pcb solid  
and specified on Manifest # 009318480JJK, Line Item 1 has been landfilled on  
9/15, 16 in accordance with all local, state and federal regulations by:

**Wayne Disposal, Inc**

(EPA I.D. # MID048090633)

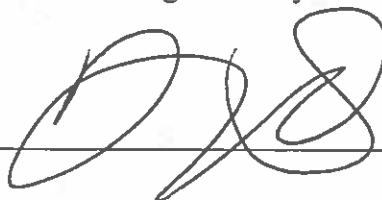
49350 N. I-94 Service Drive, Belleville, Michigan 48111

Telephone: 1-800-KWALITY (592-5489)

Fax: 1-800-KWALFAX (592-5329)

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy. I certify as the company official having supervisory responsibility for the persons who are acting under my direct instructions made the verification that this information is true accurate and complete.

Authorized Signature: \_\_\_\_\_



US ECOLOGY 49350 N. I-94 SERVICE DRIVE BELLEVILLE, MICHIGAN 48111

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number NYP 000 9LW8 875	2. Page 1 of 1	3. Emergency Response Phone 1-800 424-9300	4. Manifest Tracking Number 009318481 JJK		
5. Generator's Name and Mailing Address NATIONAL FIRM 175 EAST Old Country Rd HICKSVILLE, NY 11801			Generator's Site Address (if different than mailing address) 1310 Katielegan Ave, North Brooklyn, NY 11236				
Generator's Phone: 1-516 545-8586							
6. Transporter 1 Company Name US Bulk Transport Inc (560) 643 8910			U.S. EPA ID Number PAD 987347515				
7. Transporter 2 Company Name			U.S. EPA ID Number				
8. Designated Facility Name and Site Address NINE DISPOSAL INC, Site #1 Landfill 49350 N. 1-94 SERVICE DRIVE Pittsboro, MI 48111			U.S. EPA ID Number MID 0418091013				
Facility's Phone: (500) 592-5489							
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
			No.	Type			
	X	1. 200 UN 3452 POLYCHLORINATED BIPHENYLS Solid, 4.5G14, EKG 171	1	DT	12,700 kg		PCB1
14. Special Handling Instructions and Additional Information J155171 WDI / PCB impacted marina docks, gangways and piers. SSD 3-14-16							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Officer's Printed/Typed Name Steve Nyman			Signature 			Month Day Year 3 14 16	
TRANSPORTER	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Transporter signature (for exports only): _____ Date leaving U.S.: _____						
	17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name: Jerry Blair Signature:  Month Day Year: 3 14 16 Transporter 2 Printed/Typed Name: _____ Signature: _____ Month Day Year: _____						
DESIGNATED FACILITY	18. Discrepancy 18a. Discrepancy Indication Space <input checked="" type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection Box Amount with 520000 lbs. of material indicated as not shipped and disputes weight. Discrepancy of 1173 kg as 3/14/16 18b. Alternate Facility (or Generator) _____ Manifest Reference Number: _____ U.S. EPA ID Number _____ Facility's Phone: _____ 18c. Signature of Alternate Facility (or Generator) _____ Month Day Year: _____						
	19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 1. PCB 2. 3. 4.						
	20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 19a Printed/Typed Name: Tanya Cowgar Signature:  Month Day Year: 03 15 16						

**FOR MANIFESTED PCB WASTE**

This certificate is to verify the wastes identified as pcb solid  
and specified on Manifest # 009318481JK, Line Item 1 has been landfilled on  
9/15, 16 in accordance with all local, state and federal regulations by:

**Wayne Disposal, Inc**

(EPA I.D. # MID048090633)

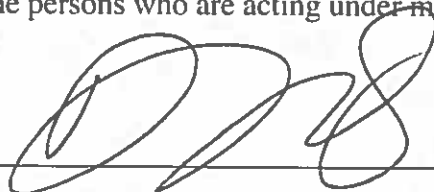
49350 N. I-94 Service Drive, Belleville, Michigan 48111

Telephone: 1-800-KWALITY (592-5489)

Fax: 1-800-KWALFAX (592-5329)

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy. I certify as the company official having supervisory responsibility for the persons who are acting under my direct instructions made the verification that this information is true accurate and complete.

Authorized Signature: \_\_\_\_\_



US ECOLOGY 49350 N. I-94 SERVICE DRIVE BELLEVILLE, MICHIGAN 48111





<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number NYP 0009108875	2. Page 1 of 1	3. Emergency Response Phone 1-800-474-4300	4. Manifest Tracking Number 009318470 JJK		
5. Generator's Name and Mailing Address NATIONAL EPCO 175 EAST HICKORY RD HICKSVILLE, NY 11801		Generator's Site Address (if different than mailing address) 1310 RIVERDEGAT. N.E., NORTH BROOKLYN, NY 11236					
Generator's Phone: 516 545 5816		U.S. EPA ID Number PA0987347515					
6. Transporter 1 Company Name US Bulk Transport, Inc		U.S. EPA ID Number					
7. Transporter 2 Company Name		U.S. EPA ID Number					
8. Designated Facility Name and Site Address MUNNE DISPOSAL INC SITE #2 LANDFILL 49350 N. I-94 SERVICE DRIVE BELLVILLE, MI 48111		U.S. EPA ID Number MID 045090033					
Facility's Phone: 810 592 2189							
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	Type	11. Total Quantity	12. Unit Wt/Vol	13. Waste Codes
	X	1. KG, UN 432 POLYCHLORINATED BIPHENYLS WGT: 100 LBS, 171	1	DR	12.00	1	PCB1
		2.					
		3.					
		4.					
14. Special Handling Instructions and Additional Information J15571WINDI/PCB in packed in various casks, gangways and piers SSD - 3-14-16							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Offor's Printed/Typed Name Steve N. Cook		Signature [Signature]		Month Day Year 3 11 16			
TRANSPORTER	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Transporter signature (for exports only): _____ Date leaving U.S.: _____						
	17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name William J. Schaffner Signature [Signature] Month Day Year 3 14 16 Transporter 2 Printed/Typed Name Signature _____ Month Day Year ____						
DESIGNATED FACILITY	18. Discrepancy 18a. Discrepancy Indication Space <input checked="" type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection Reason: Amount of Spill: Environmental indicators 12.700L shipped and 12.00L weight discrepancy 10/15/16 3/18/16 Manifest Reference Number: _____ 18b. Alternate Facility (or Generator) _____ U.S. EPA ID Number _____ Facility's Phone: _____ 18c. Signature of Alternate Facility (or Generator) _____ Month Day Year _____						
	19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 1. PCB 2. 3. 4.						
	20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Name: Tanya Cougar Signature [Signature] Month Day Year 03/15/16						

**FOR MANIFESTED PCB WASTE**

This certificate is to verify the wastes identified as pcb 5011b  
and specified on Manifest # 009318470JK, Line Item 1 has been landfilled on  
3/15, 16 in accordance with all local, state and federal regulations by:

**Wayne Disposal, Inc**

(EPA I.D. # MID048090633)

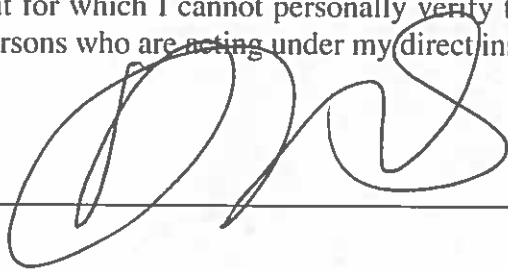
49350 N. I-94 Service Drive, Belleville, Michigan 48111

Telephone: 1-800-KWALITY (592-5489)

Fax: 1-800-KWALFAX (592-5329)

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy. I certify as the company official having supervisory responsibility for the persons who are acting under my direct instructions made the verification that this information is true accurate and complete.

Authorized Signature: \_\_\_\_\_

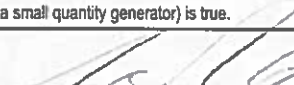
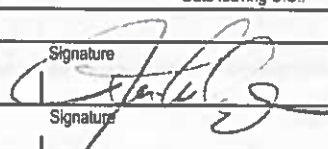
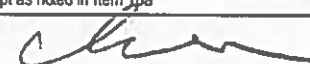


US ECOLOGY 49350 N. I-94 SERVICE DRIVE BELLEVILLE, MICHIGAN 48111





#129

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number <b>NYP 000 968 875</b>	2. Page 1 of <b>1</b>	3. Emergency Response Phone <b>1-800-424-9300</b>	4. Manifest Tracking Number <b>009318482 JJK</b>		
5. Generator's Name and Mailing Address <b>NATIONAL GRID 175 EAST OLD COUNTRY RD. HICKSVILLE, NY 11801</b>			Generator's Site Address (if different than mailing address) <b>1310 PAERDECAT AVE NORTH BROOKLYN, NY 11236</b>				
6. Transporter 1 Company Name <b>LI.S. BULK TRANSPORT, INC.</b>			U.S. EPA ID Number <b>PAD 987347515</b>				
7. Transporter 2 Company Name			U.S. EPA ID Number				
8. Designated Facility Name and Site Address <b>WAYNE DISPOSAL, INC SITE #2 LANDFILL 4935D N I-94 SERVICE DRIVE BELLEVILLE, MI 48111</b>			U.S. EPA ID Number <b>MID 048 090633</b>				
Facility's Phone:							
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	Type	11. Total Quantity	12. Unit WL/Vol.	13. Waste Codes
	X	<b>1. HQ, UN3432, POLYCHLORINATED BIPHENYLS, SOLID, 9. PG III, ERG #171</b>	1	DT	EST. 13,000	KG	PCB1
	2.						
	3.						
	4.						
14. Special Handling Instructions and Additional Information <b>1155171 WDI / PCB IMPACTED MARINA DOCKS, GANGWAYS AND PIERS SSD-3/16/16</b>							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Offor's Printed/Typed Name <b>Steve M. Sargent</b>			Signature 			Month Day Year <b>03 16 16</b>	
TRANSPORTER INTL	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Transporter signature (for exports only): _____ Date leaving U.S.: _____						
	17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name <b>JAMES M. SARGENT</b> Signature  Month Day Year <b>03 16 16</b> Transporter 2 Printed/Typed Name _____ Signature _____ Month Day Year _____						
DESIGNATED FACILITY	18. Discrepancy						
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
	Manifest Reference Number: _____						
	18b. Alternate Facility (or Generator) U.S. EPA ID Number _____						
	Facility's Phone: _____						
	18c. Signature of Alternate Facility (or Generator)						Month Day Year _____ _____ _____
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1. <b>PCD</b>		2.		3.		4.	
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name <b>Iron Bound</b>			Signature 			Month Day Year <b>3 17 16</b>	



**FOR MANIFESTED PCB WASTE**

This certificate is to verify the wastes identified as Pcb Solid  
and specified on Manifest # 009318482 JJK, Line Item 1 has been landfilled on  
3/17, 2016 in accordance with all local, state and federal regulations by:

**Wayne Disposal, Inc**

(EPA I.D. # MID048090633)

49350 N. I-94 Service Drive, Belleville, Michigan 48111

Telephone: 1-800-KWALITY (592-5489)

Fax: 1-800-KWALFAX (592-5329)

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy. I certify as the company official having supervisory responsibility for the persons who are acting under my direct instructions made the verification that this information is true accurate and complete.

Authorized Signature: 

US ECOLOGY 49350 N. I-94 SERVICE DRIVE BELLEVILLE, MICHIGAN 48111

198-1

63,300

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number NYP 0009168875	2. Page 1 of 1	3. Emergency Response Phone 1-800-434-9300	4. Manifest Tracking Number 009318479 JJK			
5. Generator's Name and Mailing Address NATIONAL ERIK 175 EAST OLD COUNTRY RD. HICKSVILLE, NY 11801			Generator's Site Address (if different than mailing address) 1310 LATICHTER AVE, NORTH BROOKLYN, NY 11236					
Generator's Phone: 1-516-545-2566								
6. Transporter 1 Company Name US Bulk Transport, Inc			(700) 442-8910		U.S. EPA ID Number RAD 987347515			
7. Transporter 2 Company Name			U.S. EPA ID Number					
8. Designated Facility Name and Site Address NATIVE DISPOSAL INC SITE 42 LANDFILL 49350 N. 1-94 SERVICE DRIVE KATYVILLE, MI 48111			U.S. EPA ID Number					
Facility's Phone: (800) 592-5489			MID 048090032					
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))		10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1	1. PG, UN 3132 TOXIC NONFLAMMABLE LIQUIDS, SOLIC. 9 PAIL, EXACT 171		1 DI		14,000	4	XPB1
	2							
	3							
	4							
14. Special Handling Instructions and Additional Information J155171INDI/PCB impacted marina docks, gangways and piers SSD: 03-16-16								
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.								
Generator's/Officer's Printed/Typed Name Steve Nyers			Signature [Signature]			Month Day Year 03 16 16		
INTL	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Transporter signature (for exports only): _____ Date leaving U.S.: _____							
TRANSPORTER	17. Transporter Acknowledgment of Receipt of Materials							
	Transporter 1 Printed/Typed Name Jerry Blair			Signature [Signature]			Month Day Year 3 16 16	
DESIGNATED FACILITY	Transporter 2 Printed/Typed Name			Signature			Month Day Year	
	18. Discrepancy							
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection							
	Manifest Reference Number:							
	18b. Alternate Facility (or Generator)			U.S. EPA ID Number				
Facility's Phone:								
18c. Signature of Alternate Facility (or Generator)						Month Day Year		
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)								
1. PCU		2.		3.		4.		
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a								
Printed/Typed Name Ivan B...			Signature [Signature]			Month Day Year 3 17 16		



**FOR MANIFESTED PCB WASTE**

This certificate is to verify the wastes identified as pcb Solid  
and specified on Manifest # 009 318479 J2H, Line Item 1 has been landfilled on  
3/17, 2016 in accordance with all local, state and federal regulations by:

***Wayne Disposal, Inc***

(EPA I.D. # MID048090633)

49350 N. I-94 Service Drive, Belleville, Michigan 48111

Telephone: 1-800-KWALITY (592-5489)

Fax: 1-800-KWALFAX (592-5329)

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy. I certify as the company official having supervisory responsibility for the persons who are acting under my direct instructions made the verification that this information is true accurate and complete.

Authorized Signature: \_\_\_\_\_

US ECOLOGY 49350 N. I-94 SERVICE DRIVE BELLEVILLE, MICHIGAN 48111



<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number NYP 000 968 875	2. Page 1 of 1	3. Emergency Response Phone 1-800-424-9300	4. Manifest Tracking Number <b>009318484 JJK</b>	
5. Generator's Name and Mailing Address NATIONAL GRID 175 EAST OLD COUNTRY RD. HICKSVILLE, NY 11801		Generator's Site Address (if different than mailing address) 1310 PAERDEGAT AVE NORTH BROOKLYN, NY 11236				
Generator's Phone: 516-545-2386						
6. Transporter 1 Company Name U.S. BULK TRANSPORT, INC.		U.S. EPA ID Number PA0987347515				
7. Transporter 2 Company Name		U.S. EPA ID Number				
8. Designated Facility Name and Site Address WAYNE DISPOSAL, INC. SITE #2 LANDFILL 49350 N. J-94 SERVICE DRIVE BELLEVILLE, MI 48111		U.S. EPA ID Number MID 046 090 633				
Facility's Phone: 800-972-9489						
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.
			No.	Type		
	X	RG, UN3432, POLYCHLORINATED, BIPHENYLS, SOLID, 9, PG II, ERC # 171	1	DT	13500 1057	kg.
	2.					
	3.					
4.						
13. Waste Codes RB1						
14. Special Handling Instructions and Additional Information J155171 WDI / PCB IMPACTED MARINA DOCKS, CANALWAYS AND PIERKS. SSD-3/16/16						
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.						
Generator's/Offor's Printed/Typed Name Steve Nycech - White-C and -s - agent Co		Signature National Grid		Month Day Year 03 16 16		
TRANSPORTER	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____					
	17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name: W. HAN J. SEHAFNER Signature: [Signature] Month Day Year: 3 16 16 Transporter 2 Printed/Typed Name: _____ Signature: _____ Month Day Year: _____					
DESIGNATED FACILITY	18. Discrepancy 18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection Manifest Reference Number: _____					
	18b. Alternate Facility (or Generator) U.S. EPA ID Number: _____					
	Facility's Phone: _____					
	18c. Signature of Alternate Facility (or Generator) Month Day Year: _____					
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 1. PCB 2. 3. 4.						
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Name: Tonya Cowgar Signature: [Signature] Month Day Year: 03 17 16						

**FOR MANIFESTED PCB WASTE**

This certificate is to verify the wastes identified as pcb Solid  
and specified on Manifest # 0093184184 JD Line Item 1 has been landfilled on  
3/17, 2016 in accordance with all local, state and federal regulations by:

**Wayne Disposal, Inc**

(EPA I.D. # MID048090633)

49350 N. I-94 Service Drive, Belleville, Michigan 48111

Telephone: 1-800-KWALITY (592-5489)

Fax: 1-800-KWALFAX (592-5329)

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who are acting under my direct instructions made the verification that this information is true accurate and complete.

Authorized Signature: 

US ECOLOGY 49350 N. I-94 SERVICE DRIVE BELLEVILLE, MICHIGAN 48111



<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number <b>NYP 000 968 875</b>	2. Page 1 of <b>1</b>	3. Emergency Response Phone <b>1-800-424-9300</b>	4. Manifest Tracking Number <b>009318483 JJK</b>		
5. Generator's Name and Mailing Address <b>NATIONAL GRID 175 EAST OLD COUNTRY RD MICKSVILLE, NY 11801</b>			Generator's Site Address (if different than mailing address) <b>1310 PAERDEGAT AVE NORTH BROOKLYN, NY 11236</b>				
Generator's Phone: <b>516-945-2586</b>							
6. Transporter 1 Company Name <b>U.S. BULK TRANSPORT, INC.</b>			U.S. EPA ID Number <b>PAD 987 347 515</b>				
7. Transporter 2 Company Name			U.S. EPA ID Number				
8. Designated Facility Name and Site Address <b>WAYNE DISPOSAL, INC. SITE #2 LANDFILL 49350 N. I-94 SERVICE DRIVE BELLEVILLE, MI 48111</b>			U.S. EPA ID Number <b>MID 018 090 633</b>				
Facility's Phone: <b>800-592-9489</b>							
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	X	<b>PCB, UN332, POLYCHLORINATED BIPHENYLS, SOLID, 9, PII, ERA # 171</b>	1	DT	<del>40254</del> <b>254</b>	<b>kg</b>	<b>PCB1</b>
14. Special Handling Instructions and Additional Information <b>SISSM WDI / PCB IMPACTED MARINA DOCKS, BARRAGAYS AND PIERS. SSD 3/18/16</b>							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Offor's Printed/Typed Name <b>Steve [Signature]</b>				Signature <b>[Signature]</b>		Month Day Year <b>03 18 16</b>	
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____							
17. Transporter Acknowledgment of Receipt of Materials							
Transporter 1 Printed/Typed Name <b>William T. Schaffer</b>				Signature <b>[Signature]</b>		Month Day Year <b>3 18 16</b>	
Transporter 2 Printed/Typed Name				Signature		Month Day Year	
18. Discrepancy							
18a. Discrepancy Indication Space <input checked="" type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection <b>Reinforced with 3/18/16 Environmental indicators 254 kg and 254 kg</b>							
18b. Alternate Facility (or Generator) _____ Manifest Reference Number: _____ U.S. EPA ID Number _____							
Facility's Phone: _____							
18c. Signature of Alternate Facility (or Generator) _____ Month Day Year _____							
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1. <b>PLD</b>		2.		3.		4.	
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name <b>Mike Swain</b>				Signature <b>[Signature]</b>		Month Day Year <b>3 2 16</b>	

**FOR MANIFESTED PCB WASTE**

This certificate is to verify the wastes identified as pcb Solid  
and specified on Manifest # GD 9318483552, Line Item 1 has been landfilled on  
3/21, 2016 in accordance with all local, state and federal regulations by:

**Wayne Disposal, Inc**  
(EPA I.D. # MID048090633)

49350 N. I-94 Service Drive, Belleville, Michigan 48111  
Telephone: 1-800-KWALITY (592-5489)  
Fax: 1-800-KWALFAX (592-5329)

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy. I certify as the company official having supervisory responsibility for the persons who are acting under my direct instructions made the verification that this information is true accurate and complete.

Authorized Signature: \_\_\_\_\_



US ECOLOGY 49350 N. I-94 SERVICE DRIVE BELLEVILLE, MICHIGAN 48111

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number NYP 000 968 875	2. Page 1 of 1	3. Emergency Response Phone 1-800-424-9300	4. Manifest Tracking Number <b>009318478 JJK</b>		
5. Generator's Name and Mailing Address NATIONAL GRID 175 EAST OLD COUNTRY RD. MCKSVILLE, NY 11801			Generator's Site Address (if different than mailing address) 1310 PAERDEGAT AVE NORTH BROOKLYN, NY 11236				
Generator's Phone: 516-945-2586							
6. Transporter 1 Company Name U.S. BULK TRANSPORT, INC.				U.S. EPA ID Number PAD 98734755			
7. Transporter 2 Company Name				U.S. EPA ID Number			
8. Designated Facility Name and Site Address WAYNE DISPOSAL, INC SITE #2 LANDFILL 49350 N I-94 SERVICE DRIVE BELLEVILLE, MI 48111				U.S. EPA ID Number MID 048 090 633			
Facility's Phone: (800) 912-5489							
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit WL/Vol.	13. Waste Codes
			No.	Type			
	X	1. RB, UN3432, POLYCHLORINATED BIPHENYLS, SOLID, 9, PGII, ERA #171	1	DT	12,700 PS+	kg	PLB1
		2.					
		3.					
		4.					
14. Special Handling Instructions and Additional Information S155171WD1 / PCB IMPACTED MARINA DOCKS, GANTRYWAYS AND PIERS SSD-3/18/16							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Offor's Printed/Typed Name Steve M. [Signature]				Signature [Signature]		Month Day Year 03 18 16	
TRANSPORTER	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____						
	17. Transporter Acknowledgment of Receipt of Materials						
	Transporter 1 Printed/Typed Name [Signature]				Signature [Signature]		Month Day Year 3 18 16
	Transporter 2 Printed/Typed Name				Signature		Month Day Year
DESIGNATED FACILITY	18. Discrepancy						
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
	Manifest Reference Number:						
	18b. Alternate Facility (or Generator)				U.S. EPA ID Number		
	Facility's Phone:						
	18c. Signature of Alternate Facility (or Generator)					Month Day Year	
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1. PCB		2.		3.		4.	
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name Chris Gossom				Signature [Signature]		Month Day Year 3 21 16	



**FOR MANIFESTED PCB WASTE**

This certificate is to verify the wastes identified as pcb Solid  
and specified on Manifest # 009318478 JJK, Line Item 1 has been landfilled on  
3/21, 2016 in accordance with all local, state and federal regulations by:

**Wayne Disposal, Inc**

(EPA I.D. # MID048090633)

49350 N. I-94 Service Drive, Belleville, Michigan 48111

Telephone: 1-800-KWALITY (592-5489)

Fax: 1-800-KWALFAX (592-5329)

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy. I certify as the company official having supervisory responsibility for the persons who are acting under my direct instructions made the verification that this information is true accurate and complete.

Authorized Signature: \_\_\_\_\_

US ECOLOGY 49350 N. I-94 SERVICE DRIVE BELLEVILLE, MICHIGAN 48111