



**SSF FINAL ENGINEERING REPORT  
& RECLASSIFICATION APPROVAL MEMO**

**TO:** Michael J. Ryan, P.E., Assistant Director  
Division of Environmental Remediation

**FROM:** James Harrington, Bureau Director  
Remedial Bureau A

**SUBJECT:** Final Engineering Report and  
Site Reclassification to Class 4 5 C  
Remedial Party: NYSDEC  
Site Name: National Heatset Printing Co.  
Site No.: 152140

**DATE:** 10/28/2013

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**Summary of Approvals**

**Originator/Supervisor:** Guy Bobersky 08/22/2013

**Regional Hazardous Waste Remedial Engineer:** Walter Parish: 09/13/2013

**BEEI of NYSDOH:** 08/13/2013

**CO Bureau Director:** James Harrington, Director, Remedial Bureau A: 08/27/2013

**Assistant Division Director:** Michael J. Ryan, P.E.: 10/15/2013

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**Conclusions:** The Remedial party has met all the requirements of the Remedial Work Plan. The Final Engineering Report and Site Management Plan have been reviewed and meet the guidelines in the PM checklists.

**Health Department Concurrence:** The NYSDOH has reviewed and accepted the Final Engineering Report and concurs with site reclassification.

**Registry Status and Site Classification:** The Site's registry classification has been reassessed pursuant to internal guidance and the Site can be reclassified to Class 4 5 C.

**Remediation of the Site:** The remedial program was conducted in accordance with the work plan and the results of the remedial action are documented in the Final Engineering Report.

**Final Engineering Report:** The Final Engineering Report (FER) has been reviewed by NYSDEC and NYSDOH technical staff and the FER checklist has been completed recommending approval of the FER. The FER is signed and sealed by a Professional Engineer licensed to practice in New York State.

**Certifications of Report Contents:** The FER includes all applicable certifications pursuant to DER-10.

**UIS Updates:** All project-related updates have been made in the UIS.

**Recommendation:** We have reviewed the documentation for the completion of this project and recommend that the Final Engineering Report and site reclassification be approved.

cc: Rosalie K. Rusinko  
Jeffrey Dyber, Project Manager  
Guy Bobersky, Section Chief  
Kelly Lewandowski  
Jacqueline E. Nealon, NYSDOH  
Charlotte Bethoney, NYSDOH

**Documents Attached:**

- Site Investigation Information Form
- UIS Generated Final Engineering Report & Reclassification Approval Form

**Supporting Documents in EDMS:**

- |   |  |
|---|--|
| <input checked="" type="checkbox"/> Site Management Plan          | <input checked="" type="checkbox"/> Final Engineering Report           |
| <input checked="" type="checkbox"/> Remedial Investigation Report | <input checked="" type="checkbox"/> DOH Concurrence                    |
| <input checked="" type="checkbox"/> Remedial Action Work Plan     | <input checked="" type="checkbox"/> Site Management Plan Checklist     |
| <input checked="" type="checkbox"/> Remedial Design Documents     | <input checked="" type="checkbox"/> Final Engineering Report Checklist |
| <input checked="" type="checkbox"/> Environmental Notice          |  |



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF ENVIRONMENTAL REMEDIATION  
**Final Engineering Report & Reclassification Approval Form**



<b>Site Code</b>	152140	<b>Site Name</b>	National Heatset Printing Co.	
<b>Classification</b>	02	<b>New Classification</b>	04	
		<b>Address</b>	1 Adams Boulevard	
<b>Region</b>	1	<b>City</b>	East Farmingdale	<b>Zip</b> 11735
<b>Latitude</b>	40.7179	<b>Town</b>	Babylon	<b>Project Manager</b> David Gardner
<b>Longitude</b>	-73.4138	<b>County</b>	Suffolk	
<b>Site Type</b>	Structure			<b>Estimated Size</b> 4.3400
<b>Remedial Party:</b>	NYSDEC			
<b>Remedial Party</b>	625 Broadway			
<b>Contact Information:</b>	Albany, NY 12233			

**Env. Easement County Recording No.:** 13-0044805

**Allowable Use:** Industrial

**Basis for Classification Change**

Threats from the disposal of hazardous waste at this site were addressed by the implementation of the remedy identified for the site by one or more Records of Decision. All construction of the components of the site-wide remedy was completed no later than 2012. The Final Engineering Report (FER) confirms that the remedy has been constructed consistent with the requirements in the ROD. The FER is in eDocs. Management of contamination remaining at the site, including any required monitoring, is and has been controlled pursuant to a Site Management Plan (SMP). A copy of the SMP is in eDocs. Institutional controls were required to ensure the protectiveness of the site. The required controls, in the form of an environmental notice are in place. A significant threat to public health and the environment no longer exists at the site. The site is properly remediated and requires site management, therefore, it qualifies for Class 4 status on the Registry of Inactive Hazardous Waste disposal sites.

**Site Description**

**Last Review: 10/17/2013**

**Location:** The National Heatset Printing Co. site is located in a suburban area.

**Site Features:** The main site features include one multi-tenant industrial building and paved parking on the east and south sides of the building.

**Current Zoning and Land Use:** The site is zoned for industrial use and is used for manufacturing. The surrounding parcels are currently used for a combination of industrial, railroad right-of-way, and undeveloped forest.

**Past Use of Site:** The National Heatset Printing Company occupied a portion of the on-site building from July 1983 to April 1989. Operations consisted of lithographic tri-color printing of newspaper and periodical advertisements and the manufacture of lithographic printing plates. National Heatset had

been using organic solvents at the site since 1983. An inspection by the Suffolk County Department of Health Services (SCDHS) in 1983 revealed that National Heatset was discharging photo plate making waste to the on-site sanitary system. In March 1986, an inspection performed by the SCDHS revealed strong evidence of dumping from staining of inks and oils on the ground. The inspection report indicated that drums were being stored improperly both inside and outside of the building. The National Heatset Printing Company filed for bankruptcy in 1987. The SCDHS discovered that after filing for bankruptcy, National Heatset disposed of its chemical inventory by dumping the materials onto the soils and into a leaching pool located off the rear of the building in the northeast side of the property.

In February 1988, SCDHS sampling from the leaching pool on the northeast side of the property revealed elevated levels of volatile organic compounds (VOCs). At the request of SCDHS, the leaching pool was pumped, washed, and dredged of liquid and solid contents down to the water table. The empty concrete rings were lined with impervious PVC material and were backfilled with clean sand. End-point samples still contained elevated levels of VOCs.

In October of 1987, the SCDHS detected elevated levels of tetrachloroethylene (PCE) in private well samples collected on nearby Miller Avenue. All homes on Miller Avenue served by private wells were connected to public water by the Town of Babylon in 1988. In response to the contamination detected in private wells on Miller Avenue, in 1989 and 1990 the SCDHS conducted an off-site groundwater investigation downgradient of the National Heatset Printing site. Based upon the off-site investigation, SCDHS concluded that:

- The highest PCE concentrations in groundwater were found directly below the leaching pool and just above the clay unit; and
- The center of the PCE plume was located just east of Columbus Boulevard, north of the North Amityville Town Pool.

In May 1989, a site investigation was conducted by the property owner's consultant. The investigation revealed the presence of highly contaminated groundwater directly downgradient of the leaching pool.

The property owner's consultant collected additional groundwater samples in May 1993. The results indicated elevated levels of VOCs in the groundwater samples collected from the downgradient wells. In July 1995, the responsible party conducted additional soil borings in the source area behind the on-site building. The results revealed elevated levels of VOCs in the source area soils.

The Record of Decision for the site was signed in 1999. Construction of the remediation systems was completed in 2013.

Site Geology and Hydrogeology: Sand and gravel underlie the site to a depth of about 80 feet below ground surface (bgs). A clay layer is located at about 80 feet bgs. Groundwater can generally be found at about 15 feet bgs.

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**Analytical Data Available for :** Groundwater, Soil

**Applicable Standards Exceeded for:** Groundwater, Drinking Water

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**Site Environmental Assessment Last Review: 10/17/2013**

Nature and Extent of Contamination:

Remediation of the site is ongoing. Prior to remediation, the on-site and off-site groundwater and the on-site soils were contaminated with volatile organic compounds (VOCs). The contaminants of concern in the groundwater and soil were tetrachloroethylene (PCE), trichloroethylene (TCE) and dichloroethylene (DCE). Groundwater contaminant levels were highest just above a clay layer, located at about 80 feet below ground surface (bgs). On-site and off-site groundwater remediation and on-site soil remediation is underway. Residual contamination in the groundwater and soil is being managed under a Site Management Plan.

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**Site Health Assessment**

**Updated: 01/25/2013**

Direct contact with contaminants is unlikely because the majority of the site is covered with buildings and pavement. Contaminated groundwater at the site is not used for drinking or other purposes and the site is served by a public water supply that obtains water from a different source not affected by this contamination. Volatile organic compounds in the groundwater and/or soil may move into the soil vapor (air spaces within the soil), which in turn may move into overlying buildings and affect the indoor air quality. This process, which is similar to the movement of radon gas from the subsurface into the indoor air of buildings, is referred to as soil vapor intrusion. A soil vapor extraction system was installed in the on-site building to remove contaminated soil vapor from beneath the building and to prevent the indoor air quality from being affected by the subsurface soil vapor contamination. Sampling indicates soil vapor intrusion is not a concern for off-site buildings.

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	Start		End	
<b>OU 00</b>				
OGC Docket - Deed Restriction	6/12/12	TRM	6/12/12	TRM
OGC Docket - Environmental Notice	8/29/12	ACT	4/16/13	ACT
Periodic Review	1/31/15	PLN	3/15/15	PLN
Site Management	10/15/13	ACT	10/15/43	PLN
<b>OU 01</b>				
OGC Docket - Access	4/29/05	ACT	7/30/06	ACT
Reclass Pkg.	8/27/13	ACT	11/30/13	PLN
Remedial Action	7/11/05	ACT	10/15/13	ACT
Remedial Design	12/13/99	ACT	1/25/05	ACT
Remedial Investigation	3/1/97	ACT	6/1/99	ACT
<b>OU 01A</b>				
Remedial Action	5/1/98	ACT	7/1/98	ACT
<b>OU 02</b>				
VI Evaluation	1/5/06	ACT	7/18/06	ACT

## Remedy Description and Cost

### Remedy Description for Operable Unit 01

The elements of the selected remedy are as follows:

1. A remedial design program which includes a pilot test to verify the components of the conceptual design and provide the details necessary for the construction, operation and maintenance, and monitoring of the remedial program. Additional investigation needed for the pilot test or the remedial design will be conducted.
2. Based on the pilot test data, the effectiveness of the in-well stripping system at the source area will be evaluated. Since the high VOC concentrations at the source area indicate the presence of undissolved product mixed with groundwater, an alternative remedy such as extraction and treatment or sparging with air or ozone may be chosen to recover and/or treat the undissolved product. The two downgradient in-well stripping systems would be retained to prevent migration of the contaminant plume.
3. Construction and implementation of the in-well stripping systems or an alternative remedy supported by pilot test data, which includes:
  - One system at the source area, consisting of two groundwater circulation wells. This system will remediate the area with the highest VOC concentrations;
  - One system at the south end of the site consisting of three groundwater circulation wells. This system will prevent additional VOC contamination from leaving the site; and
  - One system downgradient of the southern edge of the one (1) ppm groundwater contamination contour. This system will consist of seven wells and will halt further migration of VOCs downgradient of the site.
4. Providing public water to any properties that utilize private wells within the affected area. Any private wells identified downgradient of the site will be tested for VOCs by the Suffolk County Department of Health Services. If site-related contaminants are detected in the well samples, the home or business serviced by the contaminated well will be connected to public water.
5. Since the remedy results in untreated hazardous waste remaining at the site, a long term monitoring program will be instituted. Monitoring wells will be installed, where needed, and sampled upgradient and downgradient of each of the three in-well stripping systems. Wells already exist on-site and upgradient and downgradient of the site. Additional wells will be installed downgradient of the site. This program will allow the effectiveness of the in-well stripping to be monitored and will be a component of the operation and maintenance for the site.
6. Institutional controls will be implemented and deed restrictions will be recorded in the chain of title of the property to restrict future use of groundwater at the site.

<b>Total Cost</b>	\$2,666,755
<b>Capital Cost</b>	\$1,109,800

**OM&M Cost** \$150,000

**Issues / Recommendations**

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**Remedy Description for Operable Unit 01A**

**Total Cost**

**Capital Cost**

**OM&M Cost**

**Issues / Recommendations**

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**Remedy Description for Operable Unit 02**

**Total Cost**

**Capital Cost**

**OM&M Cost**

**Issues / Recommendations**



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
Site Management Form  
10/28/2013



SITE DESCRIPTION

SITE NO. 152140

SITE NAME National Heatset Printing Co.

SITE ADDRESS: 1 Adams Boulevard ZIP CODE: 11735

CITY/TOWN: East Farmingdale

COUNTY: Suffolk

ALLOWABLE USE: Industrial

SITE MANAGEMENT DESCRIPTION

SITE MANAGEMENT PLAN INCLUDES:	YES	NO
IC/EC Certification Plan	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Monitoring Plan	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Operation and Maintenance (O&M) Plan	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Periodic Review Frequency: 1 year

Periodic Review Report Submittal Date: 01/31/2015

Description of Institutional Control

Michael Adamowicz III

1 Adams Boulevard

Environmental Notice

Block: 0001

Lot: 020

Sublot: 001

Section: 100

Subsection: 097

S\_B\_L Image:

Ground Water Use Restriction

IC/EC Plan

Landuse Restriction

Monitoring Plan

O&M Plan

Site Management Plan



**Description of Engineering Control**

**Michael Adamowicz III**

1 Adams Boulevard

Environmental Notice

Block: 0001

Lot: 020

Sublot: 001

Section: 100

Subsection: 097

S\_B\_L Image:

Air Sparging/Soil Vapor Extraction

Groundwater Treatment System

Vapor Mitigation

**NEW YORK**  
state department of  
**HEALTH**

Nirav R. Shah, M.D., M.P.H.  
Commissioner

Sue Kelly  
Executive Deputy Commissioner

August 13, 2013

Mr. James Harrington, Bureau Director  
Remedial Bureau A  
Division of Environmental Remediation  
NYS Dept. Of Environmental Conservation  
625 Broadway, 12<sup>th</sup> Floor  
Albany, NY 12233-7013

Re: Final Engineering Report  
National Heatset Printing Company  
Site # 152140  
Babylon (T), Suffolk County

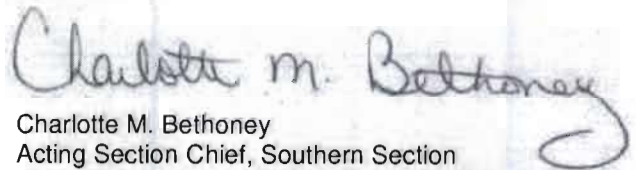
Dear Mr. Harrington:

Staff reviewed the August 2013 Final Engineering Report (FER) for the National Heatset Printing Company site in the Town of Babylon, Suffolk County. Based on that review, I understand the remedy completed is in accordance with the June 1999 Record of Decision (ROD). The remedy included the installation in 2002 of a soil vapor extraction (SVE) system to remediate the contaminated soil beneath the building slab. Four *In-Situ* Density Driven Convection Type Inwell Stripping Systems (DDCTISS) were installed to address on-site groundwater contamination and six DDVTISS were installed for off-site groundwater contamination. In 2004, the SVE well was modified to facilitate groundwater monitoring and vapor extraction of the source area as the site-related volatile organic compound (VOC) contamination was affecting the indoor air quality of the on-site building via soil vapor intrusion. In 2005, permanganate solution injections were implemented to enhance remediation of on-site source area groundwater contamination. The injections significantly reduced the VOC concentrations in groundwater at the site.

Additional monitoring wells were installed where needed and groundwater sampling continues upgradient and downgradient of each in-well stripping system. An environmental notice has been issued in lieu of an environmental easement/deed restriction. The document includes a map of the property subject to the environmental notice and identifies limitations which apply to the residual contamination at the property. The environmental notice is included as an appendix to the Site Management Plan.

Based on this information, I believe that the remedial actions taken have fulfilled the requirements of the 1999 ROD. If you have any questions, please contact Jacquelyn Nealon of my staff at (518) 402-7860.

Sincerely,

  
Charlotte M. Bethoney  
Acting Section Chief, Southern Section  
Bureau of Environmental Exposure Investigation

Ec: A. Salame-Alfie, Ph.D.  
K. Anders, Ph.D./J. Nealon/e-file  
G. Bobersky/J. Dyber – NYSDEC Central  
W. Parish – NYSDEC Reg. 1  
A. Rapiejko – SCDHS  
B. Devine – MARO

**New York State Department of Environmental Conservation**  
**Division of Environmental Remediation**  
**Bureau of Technical Support, 11<sup>th</sup> Floor**  
625 Broadway, Albany, NY 12233-7020  
**Phone: (518) 402-9543 • Fax: (518) 402-9547**  
**Website: [www.dec.ny.gov](http://www.dec.ny.gov)**



Joe Martens  
Commissioner

OCT 23 2013

Michael Adamowicz III  
195 Marine Street  
Farmingdale, NY 11735

One Adams Boulevard Realty Corporation  
195 Marine Street  
Farmingdale, NY 11735

Dear Property Owners:

As mandated by Section 27-1305 of the Environmental Conservation Law (ECL), the New York State Department of Environmental Conservation (Department) must maintain a Registry of all inactive disposal sites suspected or known to contain hazardous waste. The ECL also mandates that this Department notify the owner of all or any part of each site or area included in the Registry of Inactive Hazardous Waste Disposal Sites as to changes in site classification.

Our records indicate that you are the owner or part owner of the site listed below. Therefore, this letter constitutes notification of change in the classification of such site in the Registry of Inactive Hazardous Waste Disposal Sites in New York State.

**DEC Site No.:** 152140  
**Site Name:** National Heatset Printing Co.  
**Site Address:** 1 Adams Boulevard, East Farmingdale, NY 11735

Classification change from Class 2 to Class 4

The reason for the change is as follows:

- Threats from the disposal of hazardous waste at this site were addressed by the implementation of the remedy identified for the site by one or more Records of Decision. All construction of the components of the site-wide remedy was completed no later than 2012. The Final Engineering Report (FER) confirms that the remedy has been constructed consistent with the requirements in the ROD. Management of contamination remaining at the site, including any required monitoring, is and has been controlled pursuant to a Site Management Plan (SMP). Institutional controls were required to ensure the protectiveness of the site. The required controls, in the form of an Environmental Notice are in place. A significant threat to public health and the environment no longer exists at the site. The site is properly remediated and requires site management.

National Heatset Printing Co.  
Site ID 152140

2.

Enclosed is a copy of the Department's Inactive Hazardous Waste Disposal Site Report form as it appears in the Registry. An explanation of the site classifications is available at <http://www.dec.ny.gov/chemical/8663.html>. The Law allows the owner and/or operator of a site listed in the Registry to petition the Commissioner of the New York State Department of Environmental Conservation for deletion of such site, modification of site classification, or modification of any information regarding such site, by submitting a written statement setting forth the grounds of the petition.

Such petition may be addressed to:

Honorable Joseph J. Martens  
Commissioner  
New York State Department of Environmental Conservation  
625 Broadway  
Albany, New York 12233-1010

For additional information, please contact Jeffrey Dyber, the project manager at 518-402-9621.

Sincerely,



Kelly A. Lewandowski, P.E.  
Chief  
Site Control Section

Enclosure

ec: R. Schick  
L. Zeppetelli  
A. English  
K. Lewandowski  
J. Dyber, Project Manager

bec: w/Enc.

K. Anders, NYSDOH

J. Harrington, Director, Remedial Bureau A

C. Elgut, Regional Attorney, Region 1

R. Evans, Regional Permit Administrator, Region 1

W. Parish, RHWRE, Region 1

S. Heigel, Site Control Section



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



<b>Site Code</b>	152140					
<b>Site Name</b>	National Heatset Printing Co.	<b>Address</b>	1 Adams Boulevard			
<b>Classification</b>	04	<b>City</b>	East Farmingdale	<b>Zip</b>	11735	
<b>Region</b>	1	<b>County</b>	Suffolk	<b>Town</b>	Babylon	
<b>Latitude</b>	40 degrees, 43 minutes, 4.50 seconds				<b>Estimated Size</b>	4.3400
<b>Longitude</b>	-73 degrees, 24 minutes, 49.53 seconds					
<b>Site Type</b>		<b>Disposal Area</b>	<b>Structure</b>			

### Site Description

**Location:** The National Heatset Printing Co. site is located in a suburban area.

**Site Features:** The main site features include one multi-tenant industrial building and paved parking on the east and south sides of the building.

**Current Zoning and Land Use:** The site is zoned for industrial use and is used for manufacturing. The surrounding parcels are currently used for a combination of industrial, railroad right-of-way, and undeveloped forest.

**Past Use of Site:** The National Heatset Printing Company occupied a portion of the on-site building from July 1983 to April 1989. Operations consisted of lithographic tri-color printing of newspaper and periodical advertisements and the manufacture of lithographic printing plates. National Heatset had been using organic solvents at the site since 1983. An inspection by the Suffolk County Department of Health Services (SCDHS) in 1983 revealed that National Heatset was discharging photo plate making waste to the on-site sanitary system. In March 1986, an inspection performed by the SCDHS revealed strong evidence of dumping from staining of inks and oils on the ground. The inspection report indicated that drums were being stored improperly both inside and outside of the building. The National Heatset Printing Company filed for bankruptcy in 1987. The SCDHS discovered that after filing for bankruptcy, National Heatset disposed of its chemical inventory by dumping the materials onto the soils and into a leaching pool located off the rear of the building in the northeast side of the property.

In February 1988, SCDHS sampling from the leaching pool on the northeast side of the property revealed elevated levels of volatile organic compounds (VOCs). At the request of SCDHS, the leaching pool was pumped, washed, and dredged of liquid and solid contents down to the water table. The empty concrete rings were lined with impervious PVC material and were backfilled with clean sand. End-point samples still contained elevated levels of VOCs.

In October of 1987, the SCDHS detected elevated levels of tetrachloroethylene (PCE) in private well samples collected on nearby Miller Avenue. All homes on Miller Avenue served by private wells were connected to public water by the Town of Babylon in 1988. In response to the contamination detected in private wells on Miller Avenue, in 1989 and 1990 the SCDHS conducted an off-site groundwater investigation downgradient of the National Heatset Printing site. Based upon the off-site investigation, SCDHS concluded that:

- The highest PCE concentrations in groundwater were found directly below the leaching pool and just above the clay unit; and
- The center of the PCE plume was located just east of Columbus Boulevard, north of the North Amityville Town Pool.

In May 1989, a site investigation was conducted by the property owner's consultant. The investigation revealed the presence of highly contaminated groundwater directly downgradient of the leaching pool.

The property owner's consultant collected additional groundwater samples in May 1993. The results indicated elevated levels of VOCs in the groundwater samples collected from the downgradient wells. In July 1995, the responsible party conducted additional soil borings in the source area behind the on-site building. The results revealed elevated levels of VOCs in the source area soils.

The Record of Decision for the site was signed in 1999. Construction of the remediation systems was completed in 2013.

**Site Geology and Hydrogeology:** Sand and gravel underlie the site to a depth of about 80 feet below ground surface (bgs). A clay layer is located at about 80 feet bgs. Groundwater can generally be found at about 15 feet bgs.





bec: w/Enc.

K. Anders, NYSDOH

J. Harrington, Director, Remedial Bureau A

C. Elgut, Regional Attorney, Region 1

R. Evans, Regional Permit Administrator, Region 1

W. Parish, RHWRE, Region 1

S. Heigel, Site Control Section

**FACT SHEET****State Superfund  
Program****Receive Site Fact Sheets by *Email*.** See "For More Information" to Learn How.

**Site Name:** National Heatset Printing Co.  
**DEC Site #:** 152140  
**Address:** 1 Adams Boulevard  
East Farmingdale, NY 11735

Have questions?  
See  
"Who to Contact"  
Below

## **NYSDEC Announces Reclassification of Site on Superfund Registry; Certifies Cleanup Requirements Achieved at State Superfund Site**

The New York State Department of Environmental Conservation (NYSDEC) has determined that the cleanup requirements to address contamination related to the National Heatset Printing Co. site ("site") located at 1 Adams Boulevard, East Farmingdale, Suffolk County under New York's State Superfund Program have been or will be met. Please see the map for the site location.

NYSDEC has approved a Final Engineering Report regarding the site. A copy of the report is available at the location(s) identified below under "Where to Find Information."

The cleanup activities were performed by NYS Department of Environmental Conservation.

### **Completion of Project**

Following site cleanup, NYSDEC reclassified the site from Class 2 (significant threat to public health or environment - action required) to Class 4 (site properly closed – requires continued management) for the following reason(s):

NYSDEC completed construction of the selected remedy in 2012. In-situ chemical oxidation was used to clean up the source area groundwater contamination. On-site and off-site groundwater treatment systems will remediate the remaining site-related groundwater contamination until New York State groundwater standards have been met. An on-site soil vapor extraction system will operate until:

- soil contamination beneath the building meets NYSDEC's soil cleanup objectives; and
- the potential for soil vapor intrusion into the on-site building is no longer present.

A Site Management Plan (SMP) has been approved and includes procedures for operation, maintenance and monitoring of the remedy.

## **Final Engineering Report Approved**

The NYSDEC has approved the Final Engineering Report, which:

- 1) Describes the cleanup activities completed.
- 2) Certifies that cleanup requirements have been or will be achieved for the site.
- 3) Describes any institutional/engineering controls to be used.
- 4) Certifies that a site management plan for any engineering controls used at the site has been approved by NYSDEC.

## **Institutional and Engineering Controls**

Institutional controls and engineering controls generally are designed to reduce or eliminate exposure to contaminants of concern. An *institutional control* is a non-physical restriction on use of the site, such as a deed restriction, when contamination left over after the cleanup action makes the site suitable for some, but not all uses. An *engineering control* is a physical barrier or method to manage contamination such as a cap or vapor barrier.

The following institutional controls have been or will be put in place on the site:

- Environmental Notice
- Site Management Plan

The following engineering controls have been or will be put in place on the site:

- Vapor Mitigation
- Groundwater Treatment Systems

## **Background**

Location: The National Heatset Printing Co. site is located in a suburban area.

Site Features: The main site features include one multi-tenant industrial building and paved parking on the east and south sides of the building.

Current Zoning and Land Use: The site is zoned for industrial use and is used for manufacturing. The surrounding parcels are currently used for a combination of industrial, railroad right-of-way, and undeveloped forest.

Past Use of Site: The National Heatset Printing Company occupied a portion of the on-site building from July 1983 to April 1989. Operations consisted of lithographic tri-color printing of newspaper and periodical advertisements and the manufacture of lithographic printing plates. National Heatset had been using organic solvents at the site since 1983. An inspection by the Suffolk County Department of Health Services (SCDHS) in 1983 revealed that National Heatset was discharging photo plate making waste to the on-site sanitary system. In March 1986, an inspection performed by the SCDHS revealed strong evidence of dumping from staining of inks and oils on the ground. The inspection report indicated that drums were being stored improperly both inside and outside of the building. The National Heatset Printing Company filed for bankruptcy in 1987. The SCDHS discovered that after filing for bankruptcy, National Heatset disposed of its chemical inventory by dumping the materials onto the soils and into a leaching pool located off the rear of the building in the northeast side of the property.

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The property owner's consultant collected additional groundwater samples in May 1993. The results indicated elevated levels of VOCs in the groundwater samples collected from the downgradient wells. In July 1995, the responsible party conducted additional soil borings in the source area behind the on-site building. The results revealed elevated levels of VOCs in the source area soils.

The Record of Decision for the site was signed in 1999. Construction of the remediation systems was completed in 2012.

Site Geology and Hydrogeology: Sand and gravel underlie the site to a depth of about 80 feet below ground surface (bgs). A clay layer is located at about 80 feet bgs. Groundwater can generally be found at about 15 feet bgs.

Additional site details, including environmental and health assessment summaries, are available on NYSDEC's website at:

<http://www.dec.ny.gov/cfm/external/derexternal/haz/details.cfm?pageid=3&progno=152140>

**State Superfund Program:** New York's State Superfund Program (SSF) identifies and characterizes suspected inactive hazardous waste disposal sites. Sites that pose a significant threat to public health and/or the environment go through a process of investigation, evaluation, cleanup and monitoring.

NYSDEC attempts to identify parties responsible for site contamination and require cleanup before committing State funds.

For more information about the SSF, visit: <http://www.dec.ny.gov/chemical/8439.html>

## FOR MORE INFORMATION

### Where to Find Information

Project documents are available at the following location(s) to help the public stay informed.

New York State Department of Environmental Conservation  
Attn: William Fonda  
SUNY @ Stony Brook  
50 Circle Road  
Stony Brook, NY 11790-3409  
phone: (631) 444-0350

### Who to Contact

Comments and questions are always welcome and should be directed as follows:

#### Project Related Questions

David Gardner  
Department of Environmental Conservation  
Division of Environmental Remediation  
625 Broadway  
Albany, NY 12233-7017  
518-402-9818  
drgardne@gw.dec.state.ny.us

#### Site-Related Health Questions

Jacquelyn Nealon  
New York State Department of Health  
Empire State Plaza Corning Tower, Room 1787  
Albany, NY 12237  
518-402-7880  
BEEI@health.state.ny.us

**We encourage you to share this fact sheet with neighbors and tenants, and/or post this fact sheet in a prominent area of your building for others to see.**

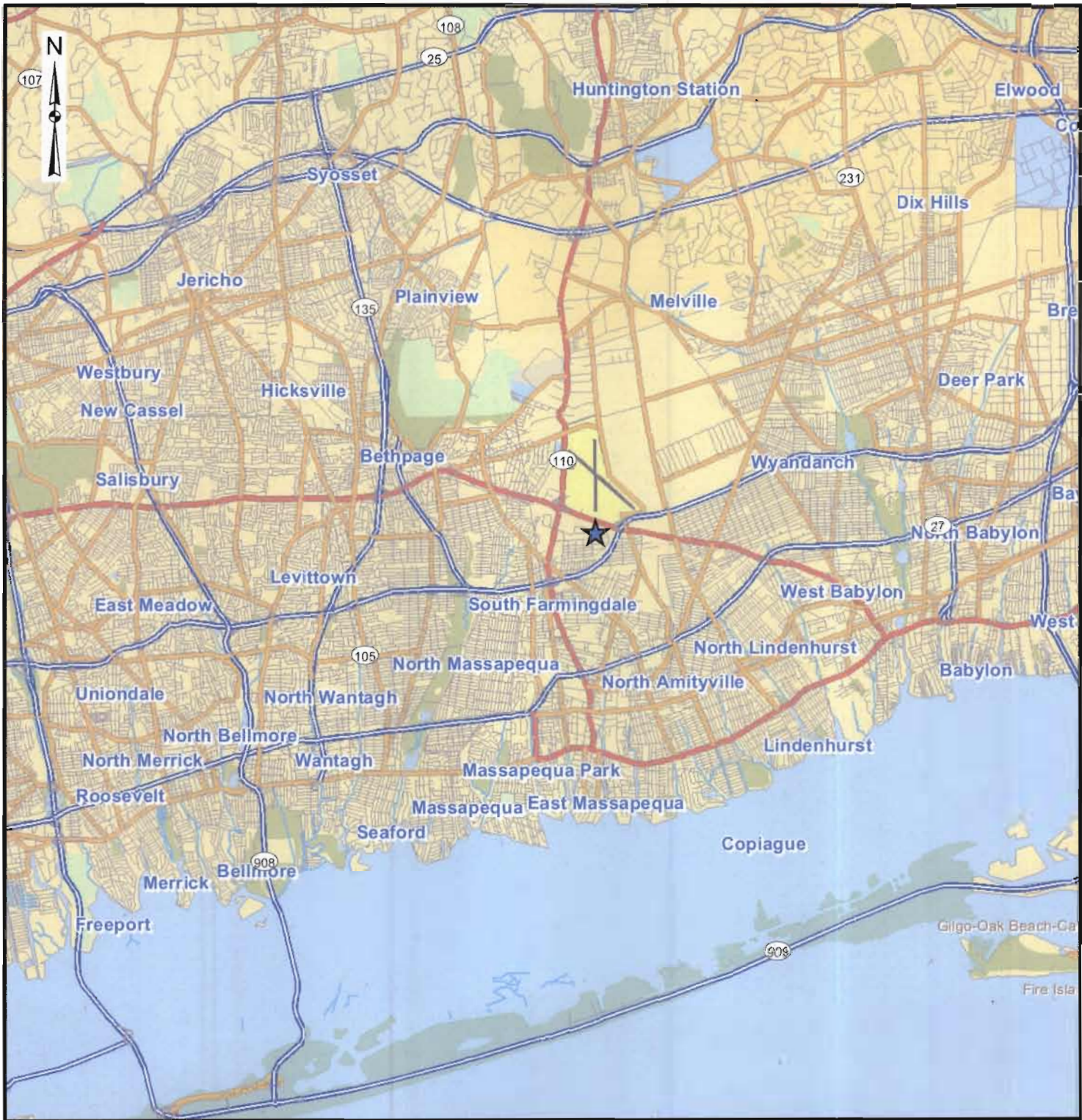
#### **Receive Site Fact Sheets by Email**

Have site information such as this fact sheet sent right to your email inbox. NYSDEC invites you to sign up with one or more contaminated sites county email listservs available at the following web page: <http://www.dec.ny.gov/chemical/61092.html>. It's quick, it's free, and it will help keep you *better informed*.



As a listserv member, you will periodically receive site-related information/announcements for all contaminated sites in the county(ies) you select.

Note: Please disregard if you already have signed up and received this fact sheet electronically.



**LEGEND**

★ Site Location



1 inch = 2 miles

Source: StreetMap USA



NATIONAL HEATSET SITE (152140)  
 FINAL ENGINEERING REPORT  
 BABYLON, NEW YORK  
 SUFFOLK COUNTY

**FIGURE 1**  
 Site Location Map

PROJECT MGR:  
JCH

DESIGNED BY:  
CJS

CREATED BY:  
CJS

CHECKED BY:  
JCH

SCALE:  
AS SHOWN

DATE:  
AUG 2013

PROJECT NO:  
14907.08

FILE NO:  
GIS/PROJECTS/  
FIGURE1.MXD

Current Occupant  
1 Adams Blvd.  
Farmingdale, NY 11735

Michael Adamowicz  
Adams Boulevard Corp  
195 Marine Street  
Farmingdale, NY 11735

Leo Orellana  
Finklestein Realty, Inc.  
193 Marine Street  
Farmingdale, NY 11735

Current Occupant  
100 Adams Blvd.  
Farmingdale, NY 11735

Adams Blvd. Realty LLC  
195 Marine Street  
Farmingdale, NY 11735

Current Occupant  
200 Allen Blvd.  
Farmingdale, NY 11735

Great River Holding LLC  
200 Allen Blvd.  
Farmingdale, NY 11735

Current Occupant  
190 Allen Blvd.  
Farmingdale, NY 11735

1320 Entertainment Inc.  
136 Exeter Road  
Massapequa, NY 11758

Current Occupant  
180 Allen Blvd  
Farmingdale, NY 11735

180 Allen Blvd Corp  
180 Allen Blvd  
Farmingdale, NY 11735

Current Occupant  
170 Allen Blvd  
Farmingdale, NY 11735

East Bay Realty LLC  
1270 6th Ave – Ste. 22  
New York, NY 10020

Current Occupant  
3 Adams Blvd  
Farmingdale, NY 11735

Town of Babylon  
200 East Sunrise Hwy  
Lindenhurst, NY 11757

Current Occupant  
Boeing Plaza  
Farmingdale, NY 11735

Boeing Brothers, Inc.  
1098 Route 109  
Lindenhurst, NY 11757

Current Occupant  
242 Route 109  
Farmingdale, NY 11735

Tri Kay Associates  
108 Allen Blvd.  
Farmingdale, NY 11735

Current Occupant  
244 Route 109  
Farmingdale, NY 11735

Ruth Brandwin  
244 Route 109  
Farmingdale, NY 11735

Current Occupant  
250 Route 109  
Farmingdale, NY 11735

Pearl Properties Ltd  
250 Route 109  
Farmingdale, NY 11735

Current Occupant  
266 Route 109  
Farmingdale, NY 11735

Commercial Land Management  
Inc.  
666 Pleasure Drive  
Riverhead, NY 11901

Current Occupant  
268 Route 109  
Farmingdale, NY 11735

Esther G Corp.  
23394 Torre Circle  
Boca Raton, NY 33433

Current Occupant  
270 Route 109  
Farmingdale, NY 11735

Grace Gregg Holdings LLC  
Center Drive  
Riverhead, NY 11901

Current Occupant  
280 Route 109  
Farmingdale, NY 11735

208 Route 109 LLC  
81 Bayview Ave W  
Lindenhurst, NY 11757

Rich Schaffer  
Babylon Town Supervisor  
200 East Sunrise Highway  
Lindenhurst, NY 11757

James Gaughran, Chairman  
Suffolk County Water Authority  
4060 Sunrise Highway  
Oakdale, NY 11769

Joanne Minieri, Commissioner  
Suffolk County Department of Economic  
Development and Planning  
H. Lee Dennison Building  
100 Veterans Highway, 11th Floor  
Hauppauge, NY 11788

Steven Bellone  
Suffolk County Executive  
Riverhead County Center  
County Road 51  
Riverhead, NY 11901

Ann Marie Jones, Commissioner  
Town of Babylon  
Dept of Planning and Development  
200 East Sunrise Highway  
Lindenhurst, NY 11757



**Electronic copies:**

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