

# New York State Department of Environmental Conservation

## Division of Environmental Remediation, 12<sup>th</sup> Floor

625 Broadway, Albany, New York 12233-7011

**Phone:** (518) 402-9706 • **FAX:** (518) 402-9020

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



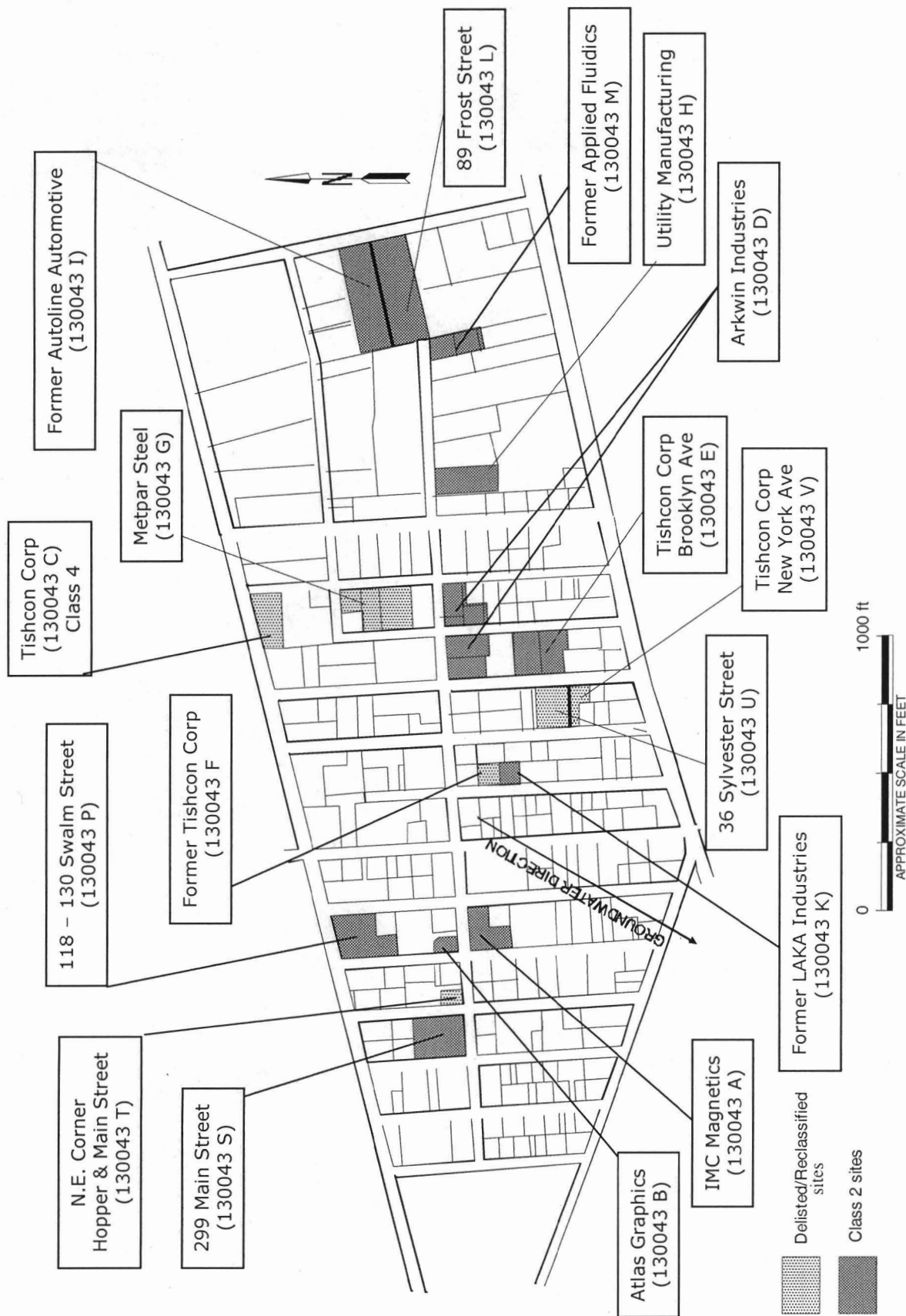
Denise M. Sheehan  
Commissioner

### YOU ARE INVITED TO A PUBLIC MEETING

- SUBJECT:** New Cassel Industrial Area Sites  
Town of North Hempstead, Nassau County
- PURPOSE:** To update the public about the progress related to the investigation and remediation of the inactive hazardous waste disposal sites. We will discuss: the Off-site Groundwater Remediation and Soil Vapor Intrusion Investigation, updates on individual site remediation and soil vapor intrusion investigation, and related health issues.
- DATE/TIME:** November 9, 2006 at 7:00 p.m.
- PLACE:** Park Avenue School  
100 Park Avenue East  
Westbury, NY 11590
- DIRECTIONS:** From Old Country Road, take Urban Avenue north to the end to the school.

Please refer to the enclosed sheet for the location of the NCIA sites and agency contacts.





**NCIA Site Locations**  
 November 2006  
 New Cassel Industrial Area  
 NYSDEC Sites No. 130043A-V



**NEW CASSEL INDUSTRIAL AREA  
TOWN OF NORTH HEMPSTEAD  
NASSAU COUNTY**

**NYS DEPARTMENT OF ENVIRONMENTAL  
CONSERVATION**

For questions on any of the following sites in the New Cassel Industrial Area, call the following staff at (518) 402-9621:

**Chittibabu Vasudevan, Ph.D., P.E.**, Director, Remedial Bureau A

**Guy Bobersky, P.E.**, Section Chief, Remedial Section A

**Joe Jones**, Engineering Geologist 2

**Jeff Dyber, P.E.**, Environmental Engineer 2

For questions on other Inactive Hazardous Waste Disposal Sites in Nassau and Suffolk Counties, contact:

**Walter Parish, P.E.** (631) 444-0240

**William Fonda** (631) 444-0350

For questions about air permits or odors from facilities in the NCIA:

**Ajay Shah, P.E.** (631) 444-0205

For questions about solid waste or transfer stations or hazardous substances storage, disposal or treatment in the NCIA:

**Stanley Farkus, P.E.** (631) 444-0375

**NYS DEPARTMENT OF HEALTH**

For site-related health concerns:

**Jacquelyn Nealon**, Environmental Health Specialist  
(518) 402-7880 or 1-800-458-1158, extension 2-7530

**NASSAU COUNTY HEALTH DEPARTMENT**

For questions about water supplies: (516) 571-3323

For complaints of odors: (516) 571-3232

**DOCUMENT REPOSITORIES**

The NYSDEC and local information repositories are places where people can go to familiarize themselves with the public document pertaining to a site. The repositories for the New Cassel Industrial Area Sites have been established in the following locations:

- **New Cassel/ Westbury Youth Services Project,**  
817 Prospect Ave., New Cassel  
Open: M-F 10:30 am - 10:00 pm  
Phone: (516) 333-9224
- **New Cassel Environmental Justice Project**  
847 Prospect Ave., New Cassel  
Open: M-F 10:30 am - 6:00 pm  
Phone: (516) 876-9526
- **Westbury Memorial Public Library,**  
Reference Section  
445 Jefferson St., Westbury  
Open: M-F 9:30 am - 9:00 pm  
Sat: 9:30 am - 5:30 pm  
Sun: 1 - 5 pm  
Phone: (516) 333-0176
- **NYS Dept. of Environmental Conservation**  
Region 1 Office,  
Hazardous Waste Remediation Unit,  
SUNY Campus, Bldg. 40  
Stony Brook, NY 11790  
Open: M-F 8:30 am - 4:45 pm  
Phone: (631) 444-0350
- **Town of North Hempstead**  
Town Clerk  
200 Plandome Road  
P.O. Box 3000  
Manhasset, NY 11030  
Open: M-F 9:00 am - 4:45 pm  
Phone: (516) 627-0590, x-7646



NEW CASSEL INDUSTRIAL AREA SITES  
PUBLIC INFORMATION MEETING  
NOVEMBER 9, 2006  
7:00 p.m.  
A G E N D A

Welcome and Introduction	Chittibabu Vasudevan, NYSDEC
NCEJP	Mildred Little/Richard Cardozo, NCEJP
NCIA Status Update	Guy T. Bobersky, NYSDEC
NCIA Off-site Groundwater	Joseph Jones, NYSDEC
NCIA Soil Vapor Intrusion Updates	Joseph Jones, NYSDEC
Site Remediation Updates	Joseph Jones, Jeff Dyber, NYSDEC
Public Health Issues	Jacquelyn Nealon, NYSDOH
Open Discussion	Guy T. Bobersky, NYSDEC

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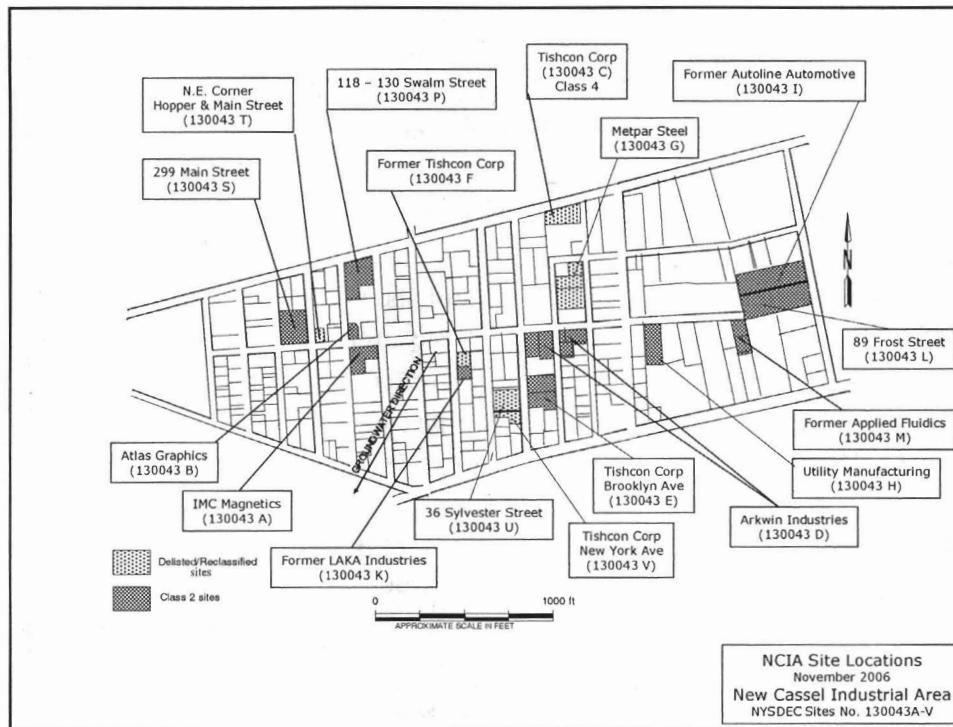
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Chittibabu Vasudevan  
Director  
Remedial Bureau A

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## NEW CASSEL INDUSTRIAL AREA

### *THREE PRONG REMEDIATION STRATEGY*

- Identify And Remove Sources Of Contamination, Such As Cesspools And Waste Material In The Unsaturated Soil
- Investigate And Remediate, As Necessary, Groundwater Contamination At Each Site
- Investigate Groundwater Migrating From Each Site In The New Cassel Industrial Area, Study Its Impact On The Aquifer, And Take Appropriate Remedial Action

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## Guy T. Bobersky Section Chief Remedial Section A

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## NCIA SITES OFF-SITE GROUNDWATER REMEDY

- The Remedy For The Off-site GW South Of The NCIA Has Been Referred To State Superfund
- This Remedy Is Described In The November 2003 ROD As Modified In The November 2005 ESD
- This Work Has Been Issued To A NYSDEC Consultant To Design The Remedy For The OU-3 Remedy

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## Joseph G. Jones Engineering Geologist 2

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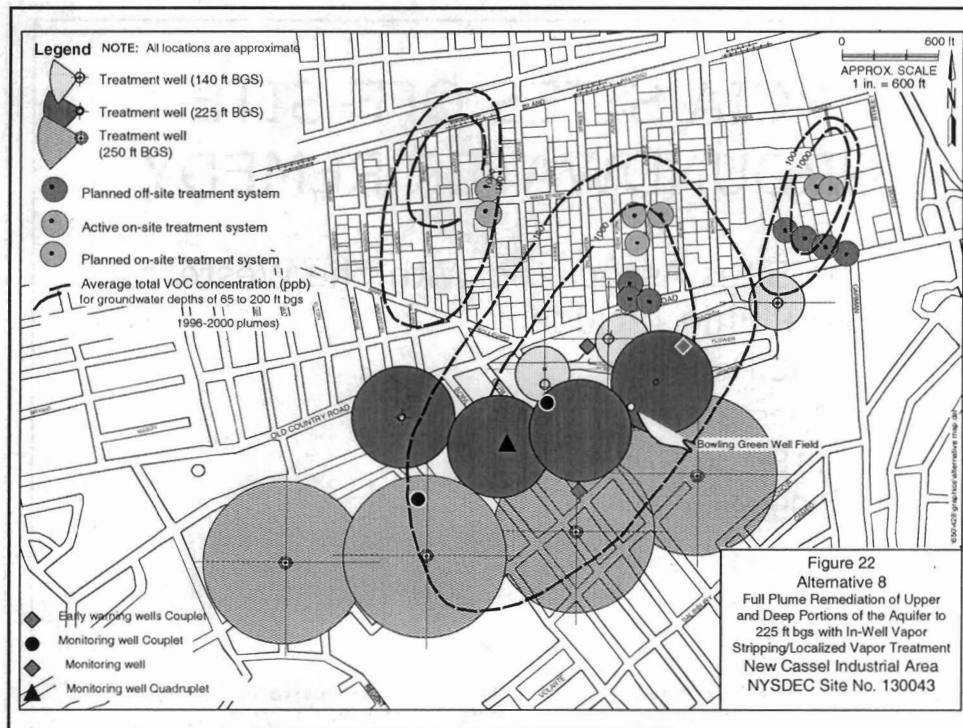
## NCIA SITES OFF-SITE GROUNDWATER REMEDY

- The NYSDEC Has Issued A Work Assignment To A Standby Consultant To Develop A Performance Specification For The Design Of The OU-3 Remedy
- The Performance Specification Will Be Used To Obtain, Evaluate And Oversee The Construction Contract For The OU-3 Remedy

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## NCIA SITES OFF-SITE GROUNDWATER REMEDY

### • The Sites Associated With The Central And Eastern GW Plumes Include

- Tishcon Corporation @ 125 State Street
- Arkwin Industries
- Tishcon Corporation @ Brooklyn & NY
- Former LAKA Industries
- 36 Sylvester St
- Tishcon @ NY Ave
- Utility Manufacturing
- Former Autoline Automotive
- 89 Frost Street
- Former Applied Fluidics

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## NCIA SITES OFF-SITE GROUNDWATER REMEDY

- The Sites Associated With The Western GW Plume Include
  - IMC Magnetics
  - Atlas Graphics
  - 118-130 Swalm St
  - 299 Main St

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## NCIA SITES OFF-SITE GROUNDWATER MONITORING

- Additional Off-site Groundwater Sampling Performed September 2006
- Bowling Green Water Supply Wells Sampled Monthly
- Groundwater Contamination Remains Above Standards Over Last Several Years

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# NCIA Sites Soil Vapor Intrusion Investigation

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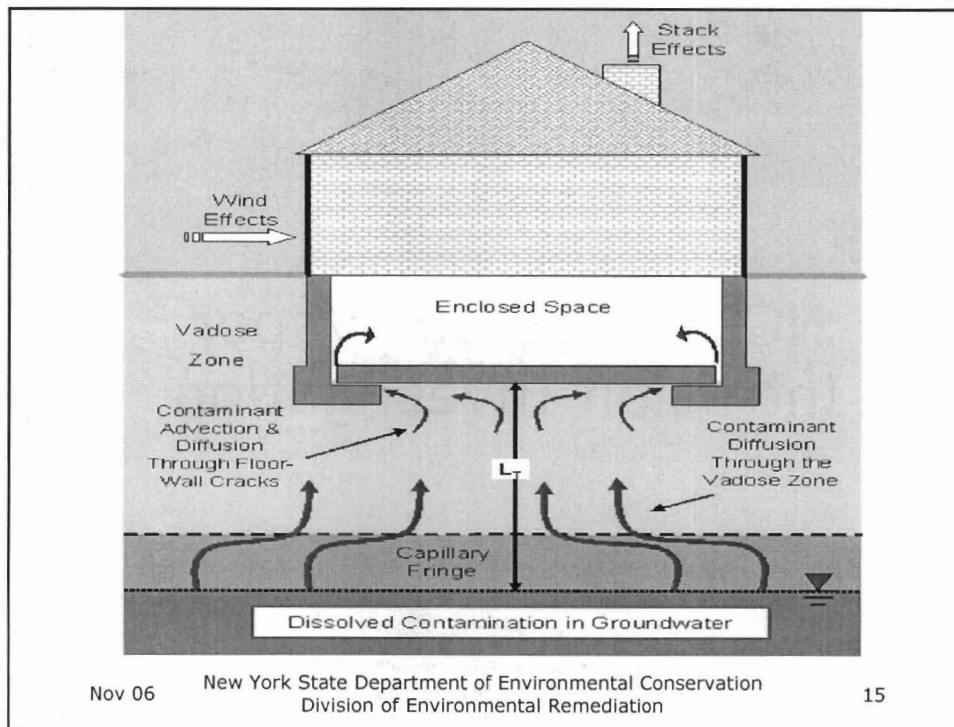
## What Is Soil Vapor Intrusion?

A Picture Is Worth A Thousand Words

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## NCIA Sites Soil Vapor Intrusion Investigation

- Soil Vapor Intrusion Investigations Will Be Done For All NCIA Class 2 Sites
- These Investigations Will Be At And Downgradient Of The Sites
- Both The State and Some PRPs Will Perform Soil Vapor Intrusion Investigations

## NCIA Sites Soil Vapor Intrusion Investigation

- The NYSDEC Has Issued A Work Assignment To A Standby Contractor For Soil Vapor Intrusion Investigation At Individual NCIA Sites
- The Field Work For This Work Assignment Will Take Place Winter Of 2006-2007
- Investigations By Individual PRPs Will Also Take Place Winter Of 2006-2007

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## NCIA Sites Soil Vapor Intrusion Investigation

- A Work Assignment Was Issued For A Soil Vapor Intrusion Investigation South Of Old Country Road
- Locations South Of Old Country Road And Grand Blvd Were Sampled During September 2006
- Temporary Soil Gas Probes Installed By Direct Push Were Sampled At Three Depths From Ground Surface To Groundwater

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# NCIA Sites Soil Vapor Intrusion Investigation

- Complete Soil Vapor Profiles Were Taken From Ground Surface Down To Groundwater Table At Two Locations
- The Data Obtained Is Under Review And Will Be Used To Select Further Sampling Locations Including Indoor Air And Sub-slab Vapor Samples If Necessary

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## Arkwin Industries Site No. 1-30-043D Remediation Update

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## ARKWIN INDUSTRIES REMEDICATION UPDATE

- Samples Show That Groundwater Contamination Has Been Remediated At This Site
  - Groundwater Treatment For The Eastern Area Was Discontinued In July 2005
  - Groundwater Treatment For The Western Area Was Discontinued In May 2006
  - Groundwater Monitoring Continues Site-wide
  - Soil Vapor Intrusion Investigation Scheduled For The Winter Of 2006-2007

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**Tishcon Corporation  
at  
NY & Brooklyn Avenue  
Site No. 1-30-043E  
Remediation Update**

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**TISHCON  
NY & BROOKLYN AVENUE  
REMEDICATION UPDATE**

- On-site AS/SVE System Began Operating January 1999 and Off-site AS/SVE Began Operating August 2004
- Both Systems Functioning Properly And Will Operate Until Remedial Goals Are Met
- On-site Soil Sampling Performed May 2006
- The PRP Will Perform A Soil Vapor Intrusion Investigation In Winter Of 2006-2007

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## 299 Main Street Site No. 1-30-043S Remediation Update

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## 299 MAIN STREET REMEDICATION UPDATE

- Removal Of Contaminated Soil From The Site Was Completed Fall 2005
- In May 2006, A Soil Vapor Extraction System Was Installed And Pilot Tested In The Most Contaminated Area On-Site
- After the Pilot Test, The Permanent Installation Was Completed October 2006 And Is Operating

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# Jeffrey L. Dyber Environmental Engineer 2

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# Frost Street Sites Remediation Update

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## Frost Street Sites

- Former Autoline Automotive Site  
(Site No. 1-30-043I)
- 89 Frost Street Site  
(Site No. 1-30-043L)
- Former Applied Fluidics Site  
(Site No. 1-30-043M)

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## Frost Street Sites Soil Remedy

- Former Autoline Automotive
  - Excavation Of Contaminated Surface Soil
  - Removal Of Contaminated Soil In Drywells
  - Soil Vapor Extraction To Remediate Deep Soil Contamination
- 89 Frost Street
  - Soil Vapor Extraction To Remediate Deep Soil Contamination
- Former Applied Fluidics
  - No Action

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## Frost Street Sites Groundwater Remedy

- Combined Remedy For All Three Sites
- Air Sparging And Soil Vapor Extraction To Remediate Shallow Groundwater Contamination
- In-well Vapor Stripping To Remediate Deep Groundwater Contamination

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## Frost Street Sites Remediation Update

- Soil Remediation Construction Complete
- Air Sparging System Running In Conjunction With Soil Vapor Extraction System
- In-well Vapor Stripping System
  - Groundwater Monitoring Wells Installed
  - Borings Were Installed To Determine Screen Depths In Late 2005

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## Frost Street Sites Vapor Intrusion

- PRP Will Be Performing A Vapor Intrusion Investigation In Winter 2006-2007 To Determine If Subsurface Vapors Are Affecting On-site And Off-site Buildings
- Vapor Intrusion Investigation Will Include:
  - Soil Vapor Sampling
  - Subslab Vapor, Indoor Air And Outdoor Air Samples At Two On-site Buildings

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## Utility Manufacturing/ Wonder King Remediation Update

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## Utility Manufacturing/ Wonder King Remediation Update

- On-site
  - Air Sparging/Soil Vapor Extraction System Remediated Groundwater Contamination
  - Remediation System Was Shut Down In December 2002
  - Post-remediation Groundwater Monitoring Does Not Show Rebound Of Contaminant Levels

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## Utility Manufacturing/ Wonder King Remediation Update

- Off-site Investigation
  - NYSDEC Is Conducting The Remedial Investigation Using State Superfund
  - Performed Vapor Intrusion, Groundwater Profile And Groundwater Monitoring Well Sampling
  - Remedial Investigation Report And Feasibility Study Report Issued With Need For Additional Investigation

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## Utility Manufacturing/ Wonder King Remediation Update

- Off-site Vapor Intrusion Investigation
  - NYSDEC Will Perform a Vapor Intrusion Investigation at Properties Near The Site In Winter 2006-2007
  - Subslab Vapor and Indoor Air Samples Will Be Taken At 13 Properties Near The Site
  - NYSDEC Will Provide Mitigation Systems For Properties Impacted By Site-Related Contaminants

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## Public Health Issues Jacquelyn E. Nealon New York State Department of Health

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# Thank You For Attending

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