



# Appendix 3.2-4

## Contamination Sites and Toxic Sites within a One-Mile Radius



APRIL 2024

REGION 2

## The EPA's Cleanup Plan

The U.S. Environmental Protection Agency (EPA) has selected a cleanup plan for a portion of the New Cassel/Hicksville Groundwater Contamination Superfund site. EPA's plan is to install underground wells and pipes in the area to remove contaminated groundwater and treat it at a water treatment facility. This will prevent people from potentially being exposed to the contaminated groundwater in the future, minimize the spread of the contaminated groundwater, and treat the groundwater to meet strict federal and state standards. The plan also requires that the groundwater is monitored and uses existing county and state restrictions to ensure that drinking water wells are not installed on site without a permit.

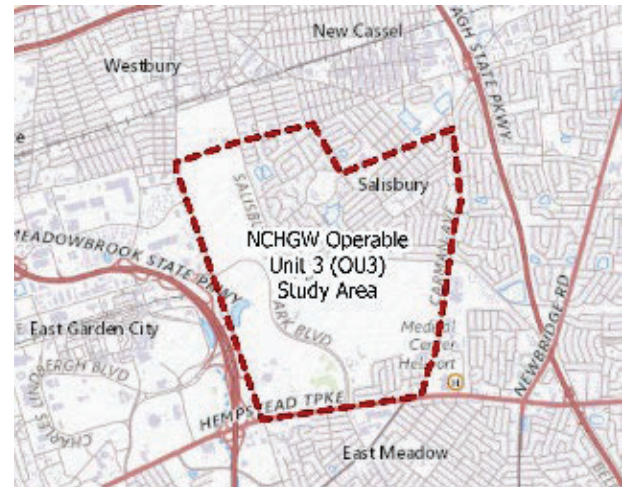


Figure 1 Map outlining Operable Unit 3 of the New Cassel/Hicksville Groundwater Contamination Superfund site.

Before the cleanup work can begin, the EPA will develop the detailed engineering plan for the cleanup, which is called a remedial design. During this phase of work, the EPA will decide the final locations of the groundwater pumping wells and water treatment facility and will also evaluate how the treated water will be released.

This phase of work will take several years. The EPA will coordinate with local and state officials and ensure that there is consistent engagement with impacted community members during the design process. Once the detailed engineering plan is complete, the EPA will update community members about the finalized plan and the beginning of cleanup work. At any point during the cleanup process, community members can reach out to the site team with questions or concerns.

## Site Background

The New Cassel/Hicksville Groundwater Contamination Superfund site is an area of widespread groundwater contamination in the Towns of North Hempstead, Hempstead, and Oyster Bay in Nassau County, New York. The New York State Department of Environmental Conservation found several sources of groundwater contamination between 1988 and 2010. The groundwater is contaminated primarily



Volatile organic compounds (VOCs) are contaminants that evaporate easily into the air and dissolve in water. VOCs are often used as ingredients in paints, solvents, aerosol sprays, cleaners, disinfectants, automotive products, and dry-cleaning fluids.



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with volatile organic compounds (VOCs) from past industrial and commercial activity. At the state's request, the EPA added the site to the Superfund Program's National Priorities List in September 2011. Residents in the impacted areas of Hempstead, Hicksville, and Westbury receive drinking water from public water supplies that have treatment systems installed so that the drinking water meets federal and state standards. During the process of creating the cleanup plan, the EPA installed groundwater monitoring wells in and around the Eisenhower Park Golf Course and the Salisbury neighborhood from 2017 to 2021. The EPA used these wells to understand where the contaminated groundwater is located, what it is contaminated with, and what could be done to treat it.

## EPA Contact Information

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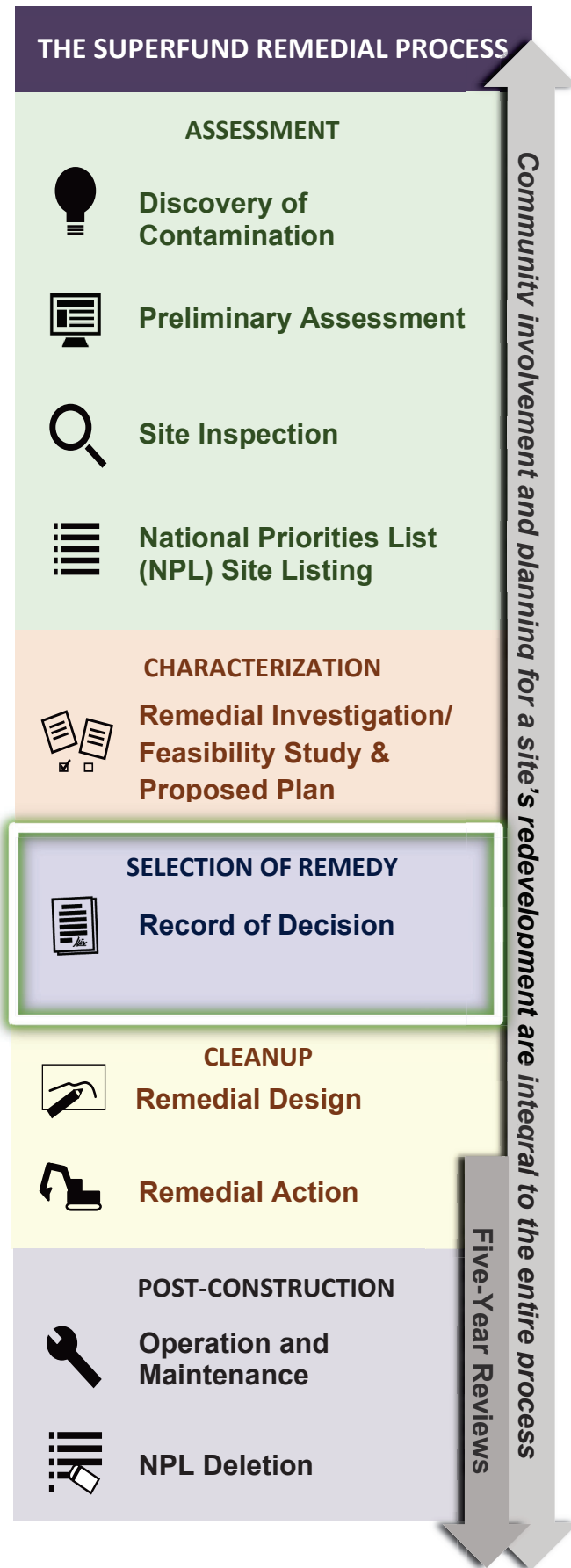
### Joel Waddell

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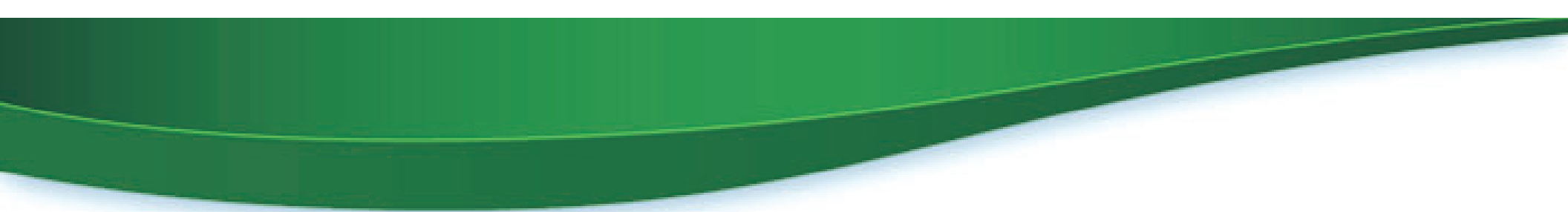
### Aidan Conway

Remedial Project Manager  
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For general information or questions about EPA's Superfund program, please contact Jim Haklar of EPA's Regional Public Liaison Office, at [haklar.james@epa.gov](mailto:haklar.james@epa.gov), or (732) 906-6817 or toll free at (888) 283-7626







**New Cassel/Hicksville Groundwater  
Contamination Superfund Site  
Operable Unit 3**

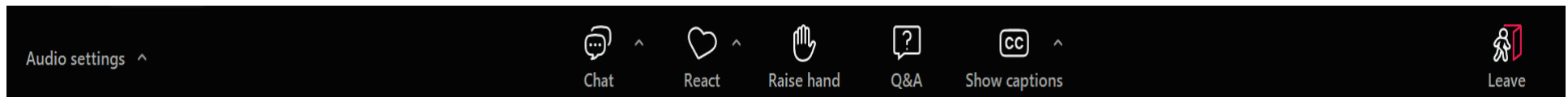
**Community Information Meeting**

June 24, 2024  
6:30 p.m.



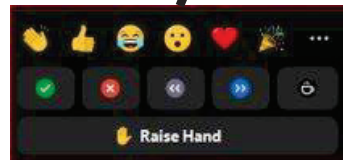
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# Zoom 101



**Audio settings:** Click to change your personal audio settings

**Chat:** Click to view messages from the hosts



**Q&A:** Click to open the Q&A box to ask questions and see answers

**CC Show captions:** Click to show closed captions on screen

**Leave:** Click to leave meeting. You will not interrupt the meeting



# Agenda

- Zoom 101
- Introductions
- Presentation
- Question and Answer

# Introductions



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EPA Remedial Project Manager

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## **Maya Greally**

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## **Pete Mannino**

EPA Section Supervisor

## **Michael Scorca**

EPA Hydrogeologist

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EPA Human Health Risk Assessor

## **Sharon Kivowitz**

EPA Site Attorney

## **Rob DeCandia**

## **Alexander Klein**

New York State Department of  
Environmental Conservation

## **Sara Bogardus**

## **Stephanie Selmer**

New York State Department of  
Health





# Presentation

- Superfund Process
- Site Background
- Site Investigation
- Cleanup Plan
- Next Steps

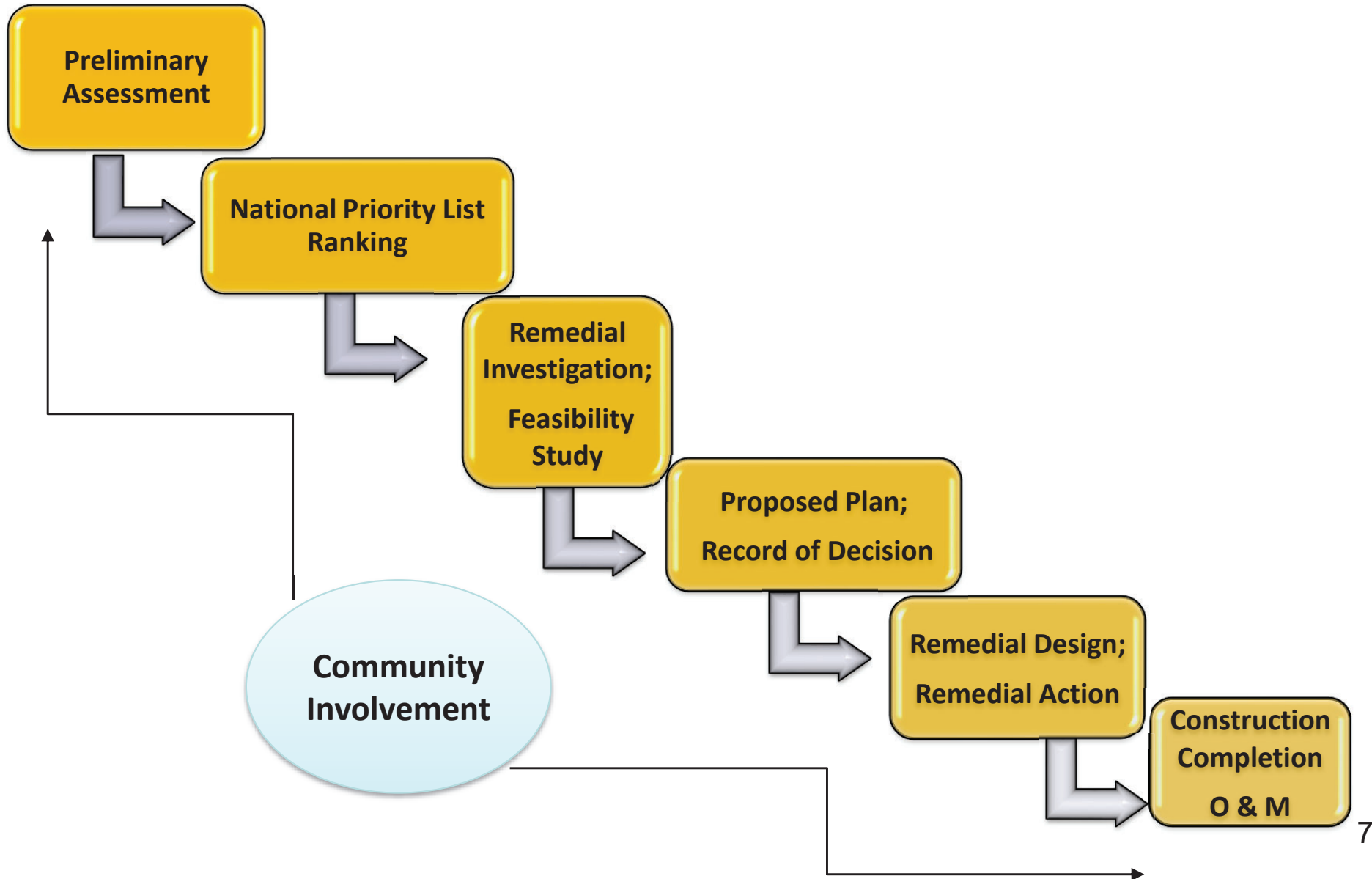


Comprehensive  
Environmental Response,  
Compensation and Liability Act  
(CERCLA)

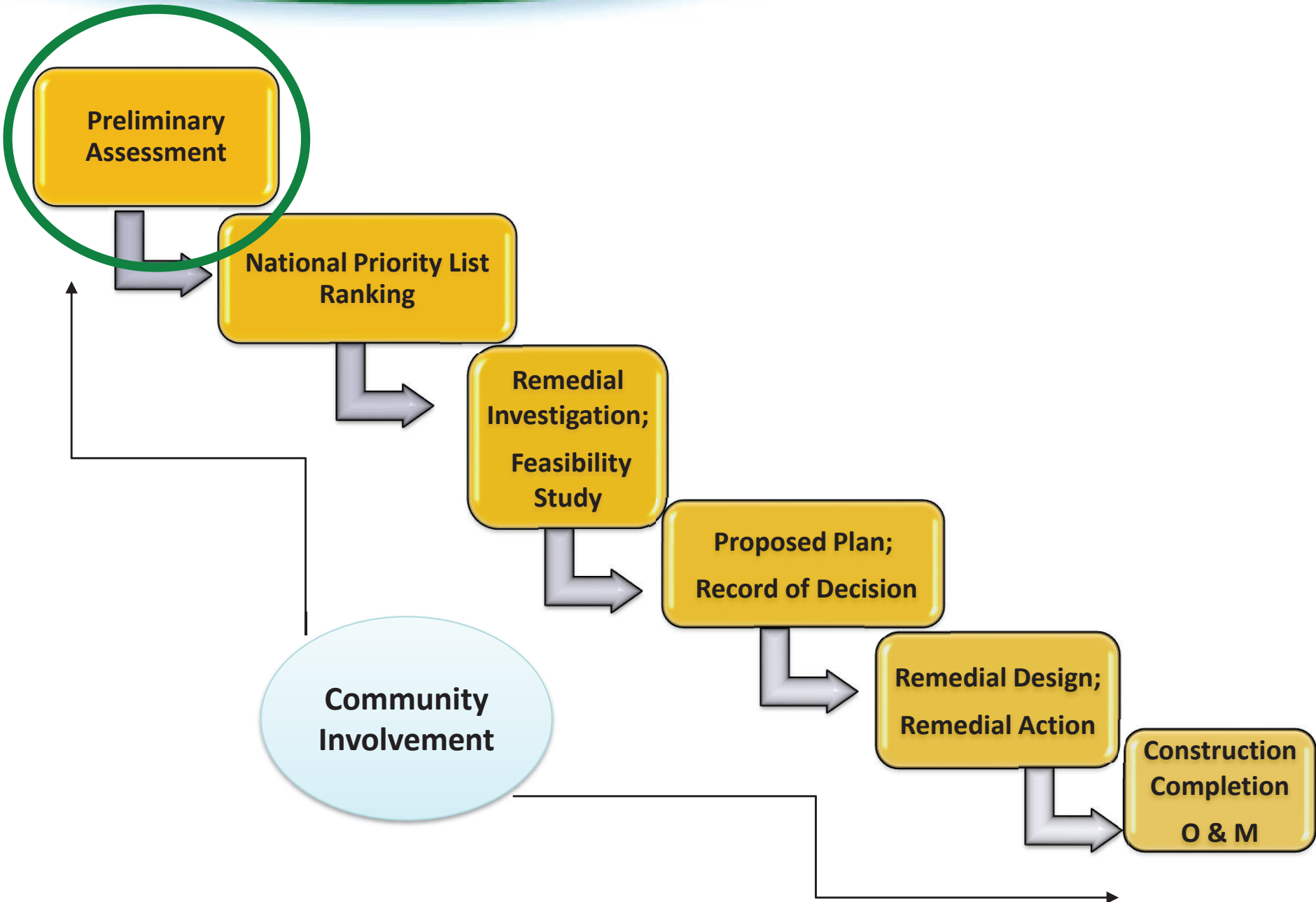
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Superfund

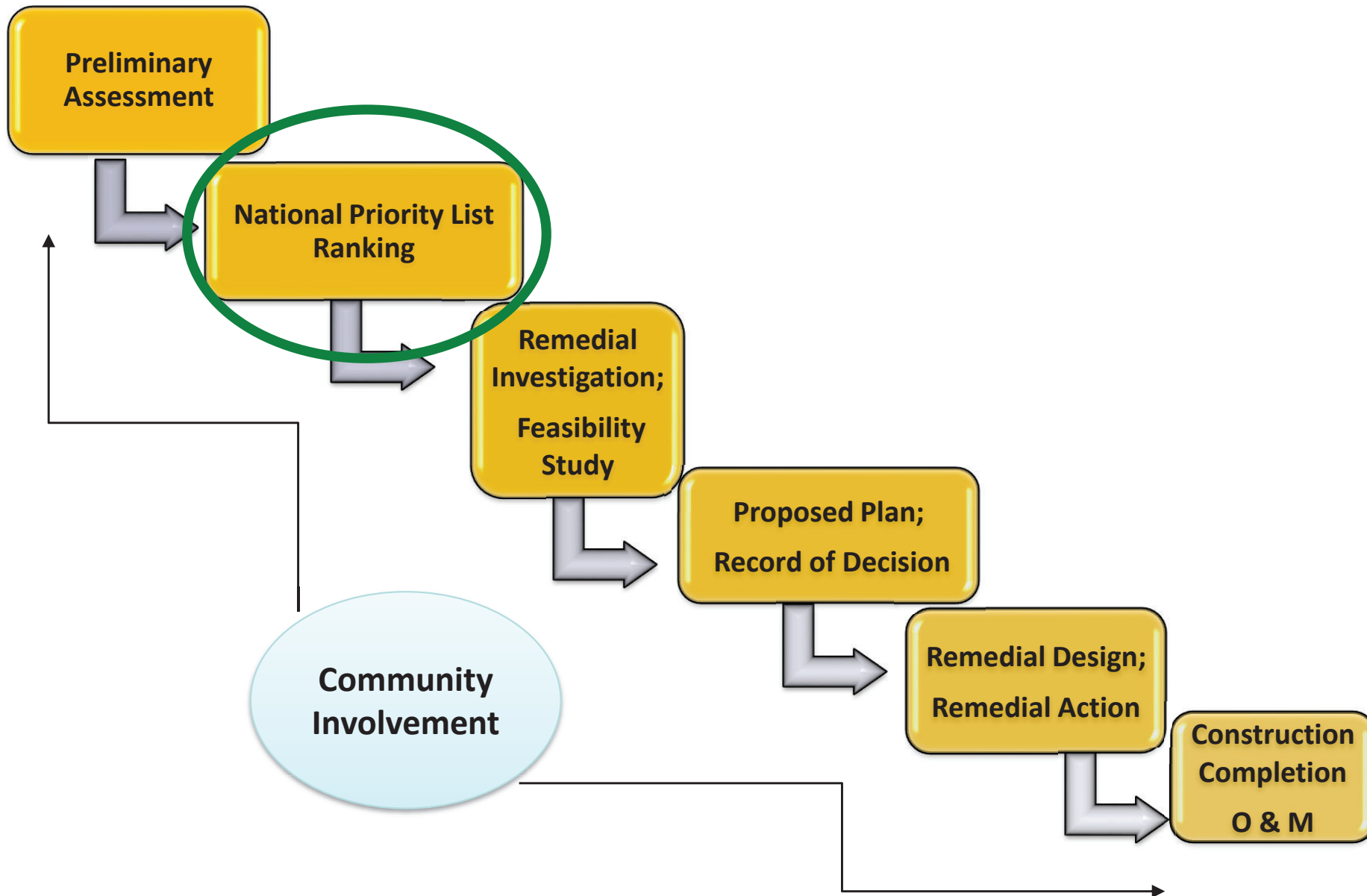
# Superfund Process



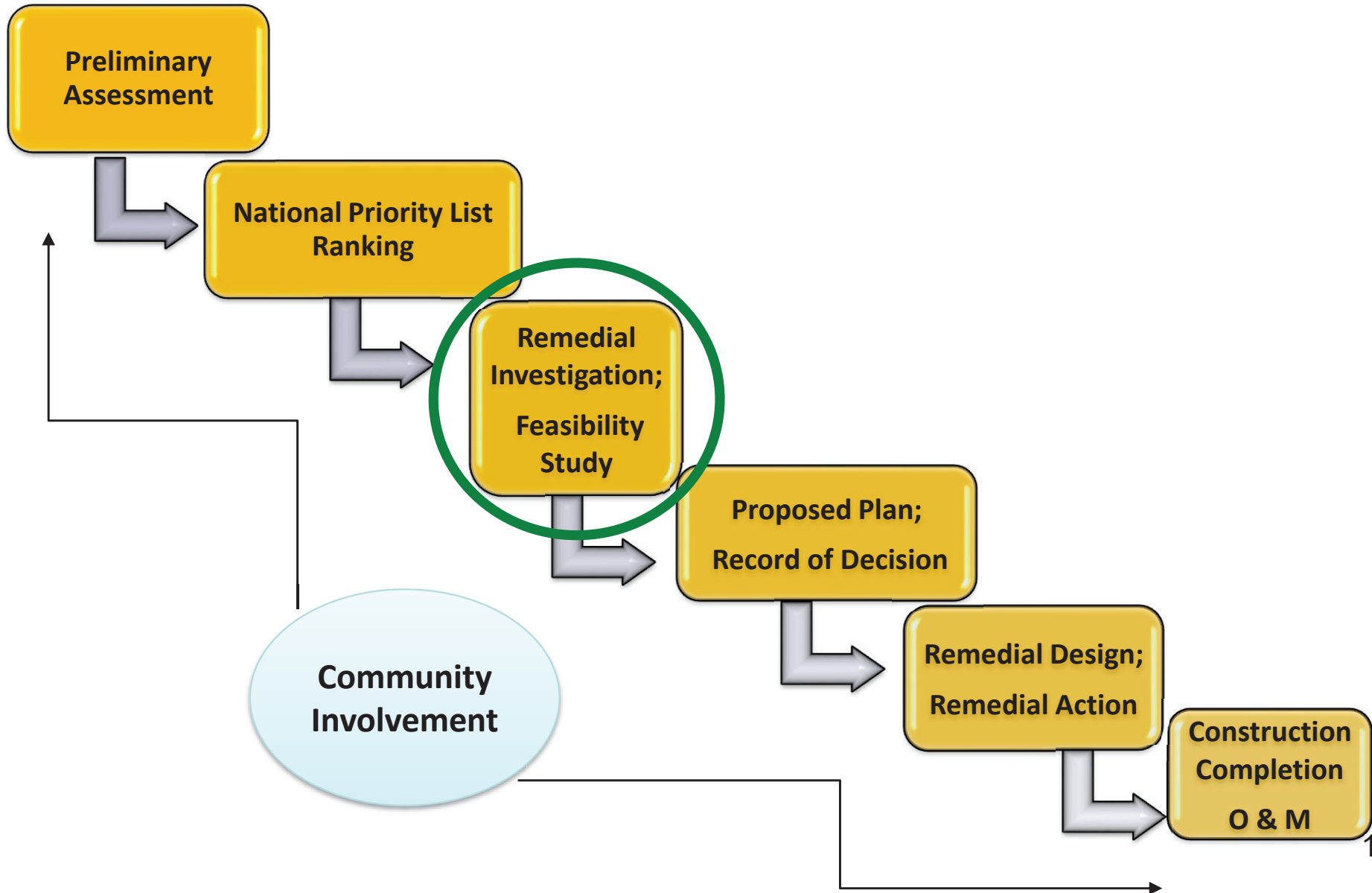
# Superfund Process



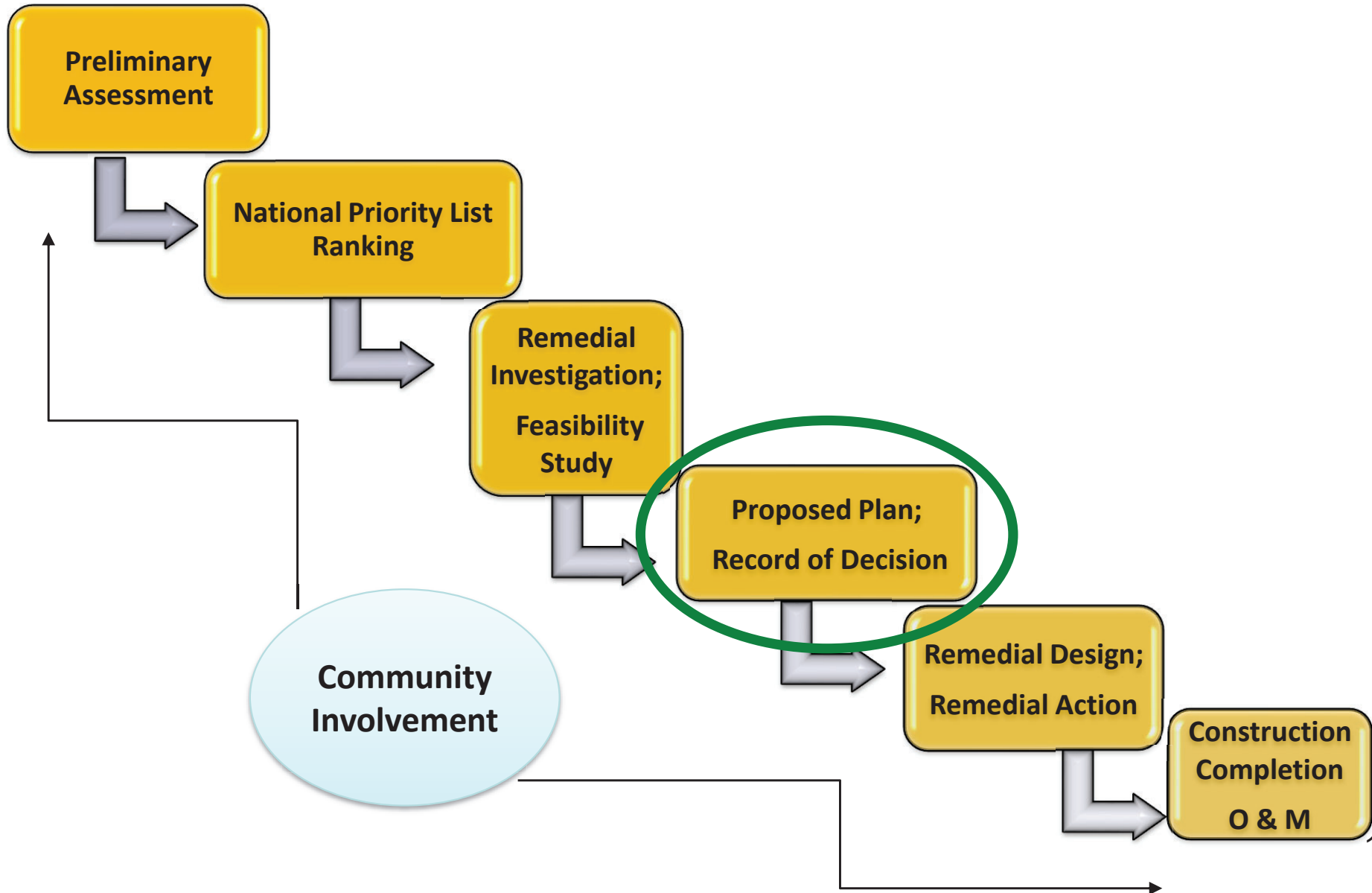
# Superfund Process



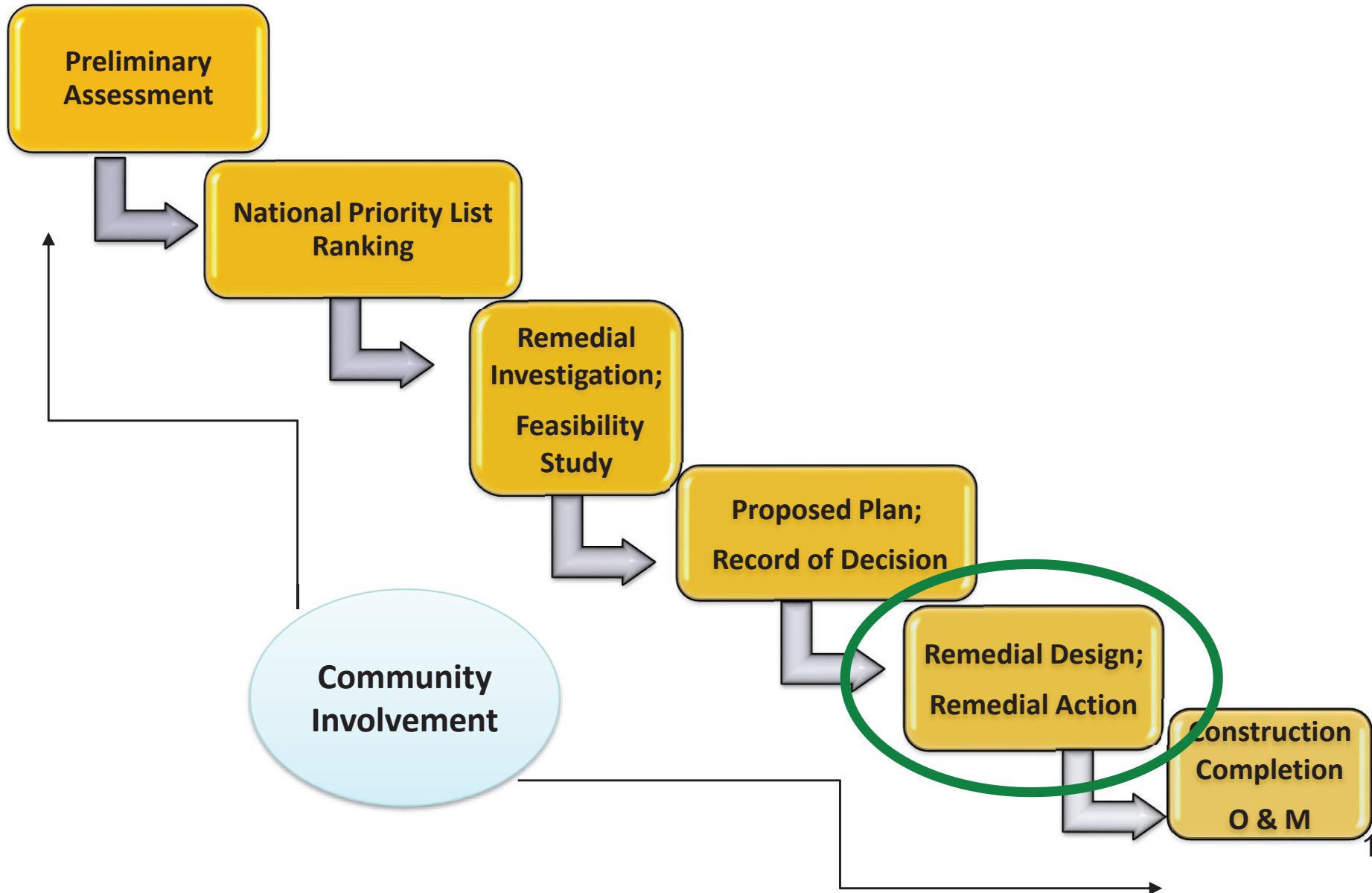
# Superfund Process



# Superfund Process

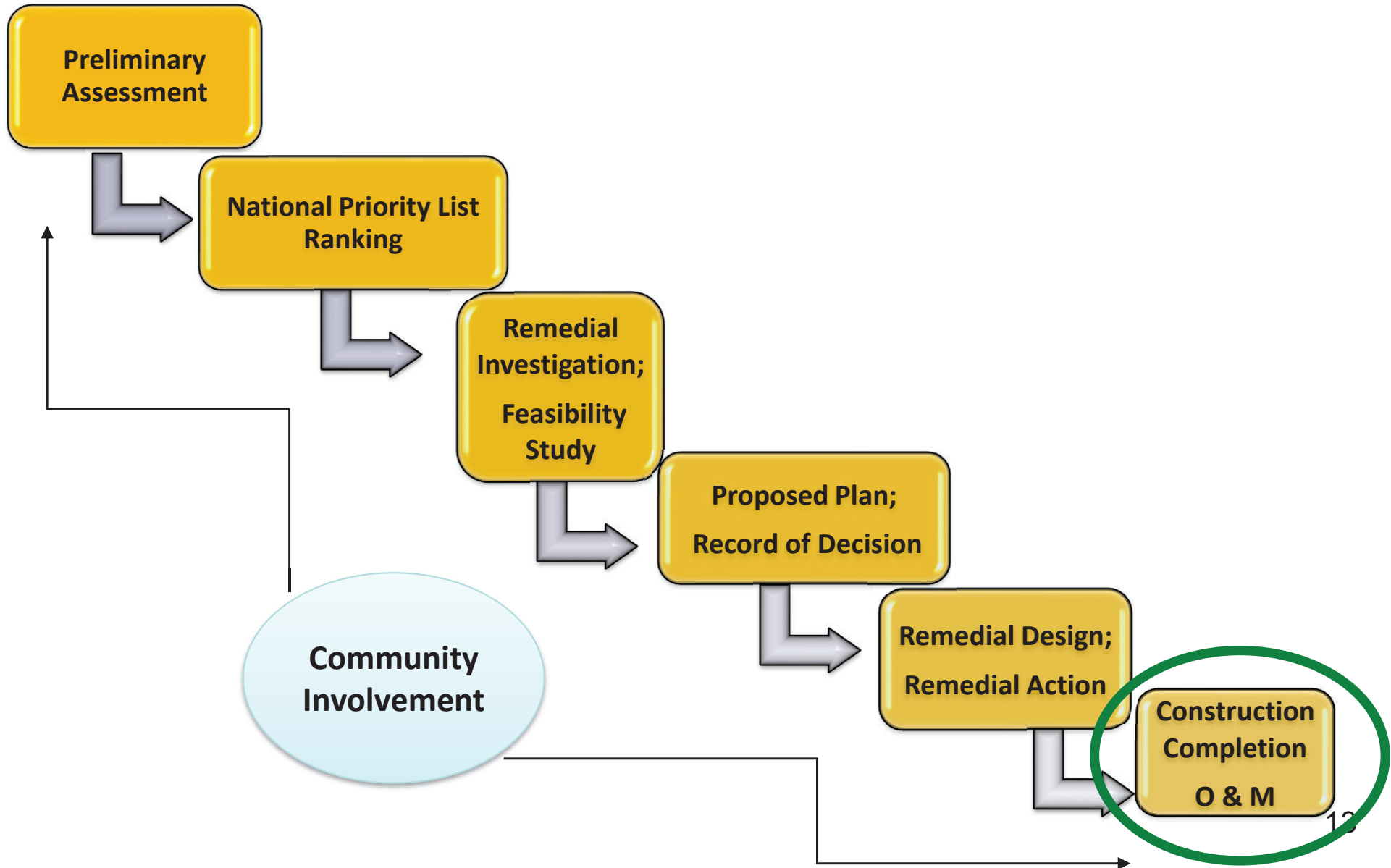


# Superfund Process



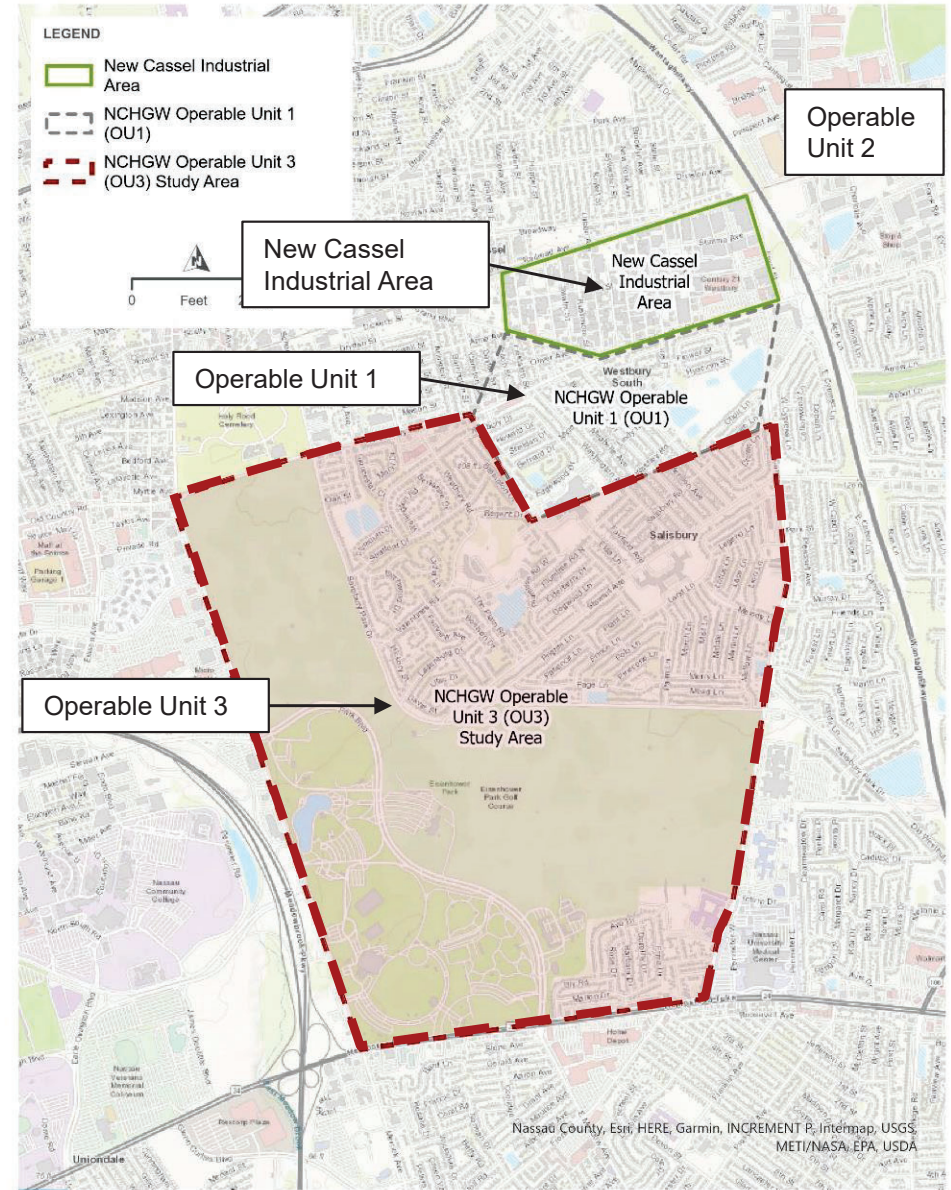
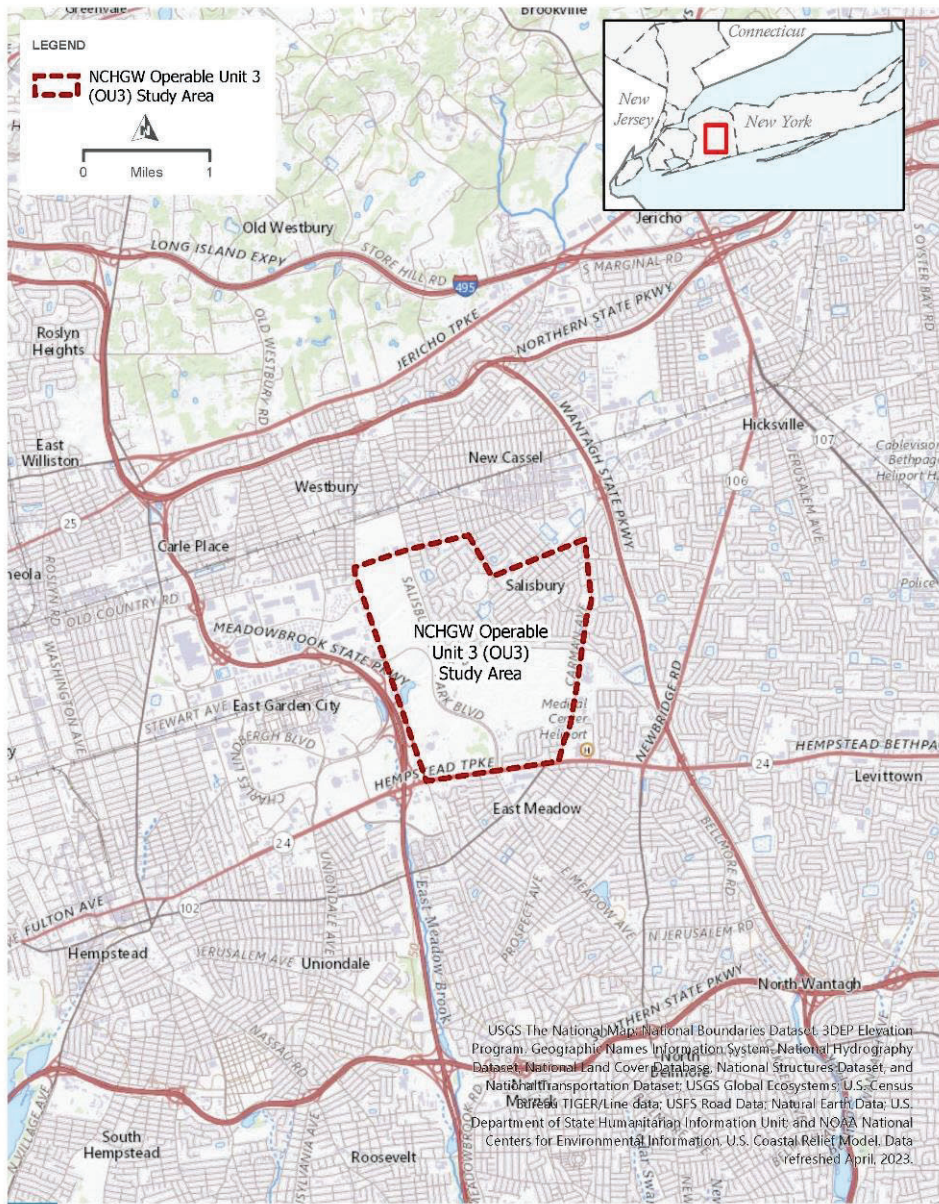


# Superfund Process





# Site Background





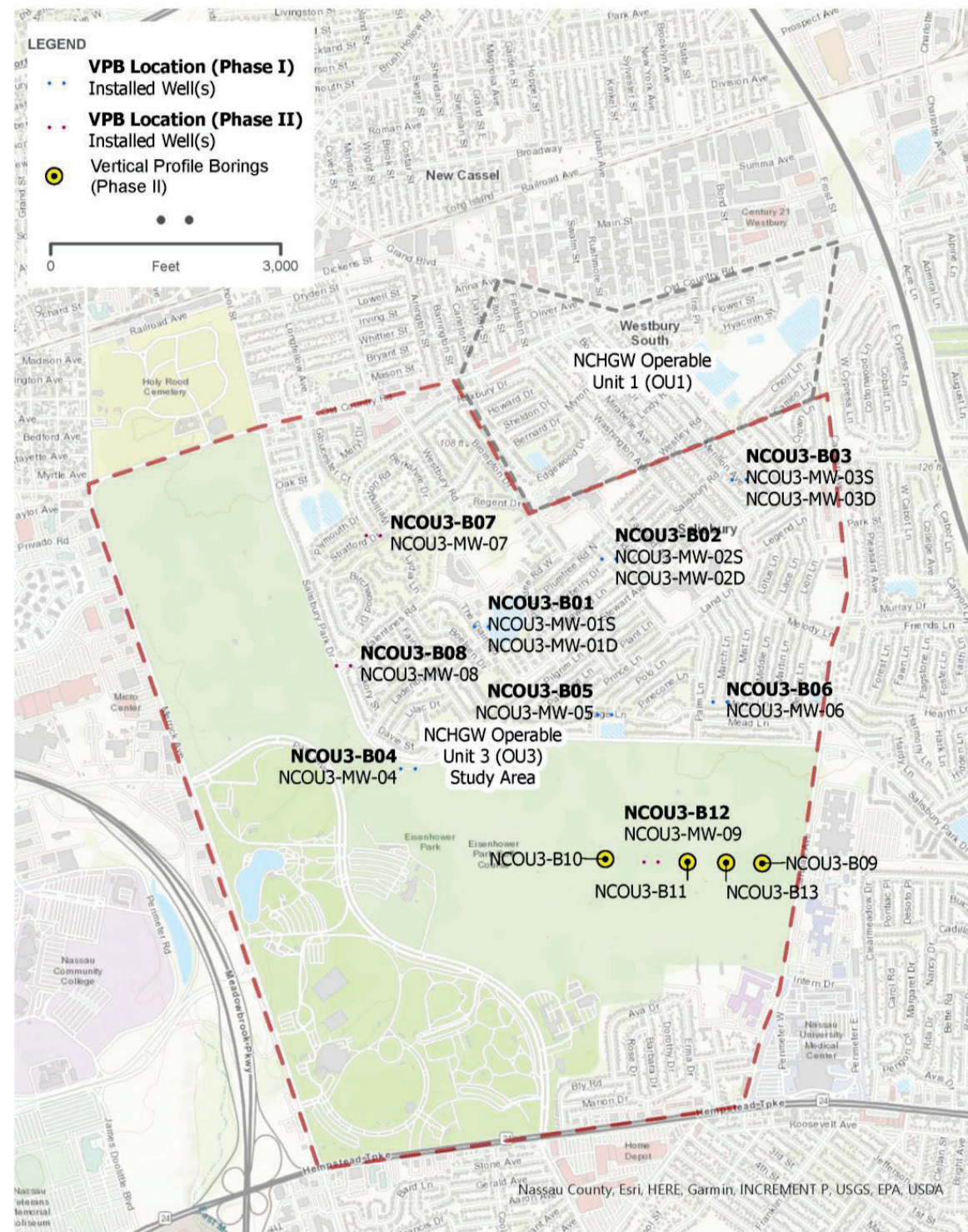
# OU3 Investigation

## 2016-2019

- 6 vertical profile borings drilled
- 9 monitoring wells installed
- Water level measurements
- Groundwater sampling

## 2020-2022

- 7 vertical profile borings drilled
- 3 monitoring wells installed
- Water level measurements
- Geophysical surveys
- Groundwater sampling





## Primary Contaminants of Concern:

- Tetrachloroethylene (PCE)
- Trichloroethylene (TCE)
  - Breakdown components such as:
    - cis-1,2-dichloroethene (cis-1,2-DCE)
    - trans-1,2-dichloroethene (trans-1,2-DCE)
    - 1,1-dichloroethene (1,1-DCE)
    - Vinyl chloride
- 1,4-dioxane



## EPA's 2023 Human Health Risk Assessment found that:

- Using untreated groundwater in the future would result in risks for child/adult residents and workers at the site
- Primary contaminants that could contribute to future risk are:
  - Tetrachloroethylene (PCE)
  - Trichloroethylene (TCE)
  - 1,1,2-Trichloroethane (1,1,2-TCA)
  - Cis-1,2-Dichloroethene (cis-1,2-DCE)

# OU3 Cleanup Plan



EPA released the Proposed Cleanup Plan for OU3 on July 24, 2023

- 30-day public comment period

On August 10, 2023, EPA held a public meeting at the East Meadow Public Library

EPA extended the public comment period by a total of 60 days following requests for extension from the public

The OU3 Record of Decision (Cleanup Plan) was issued in March 2024

- The ROD includes responses to all comments received during the public comment period



# OU3 Cleanup Plan



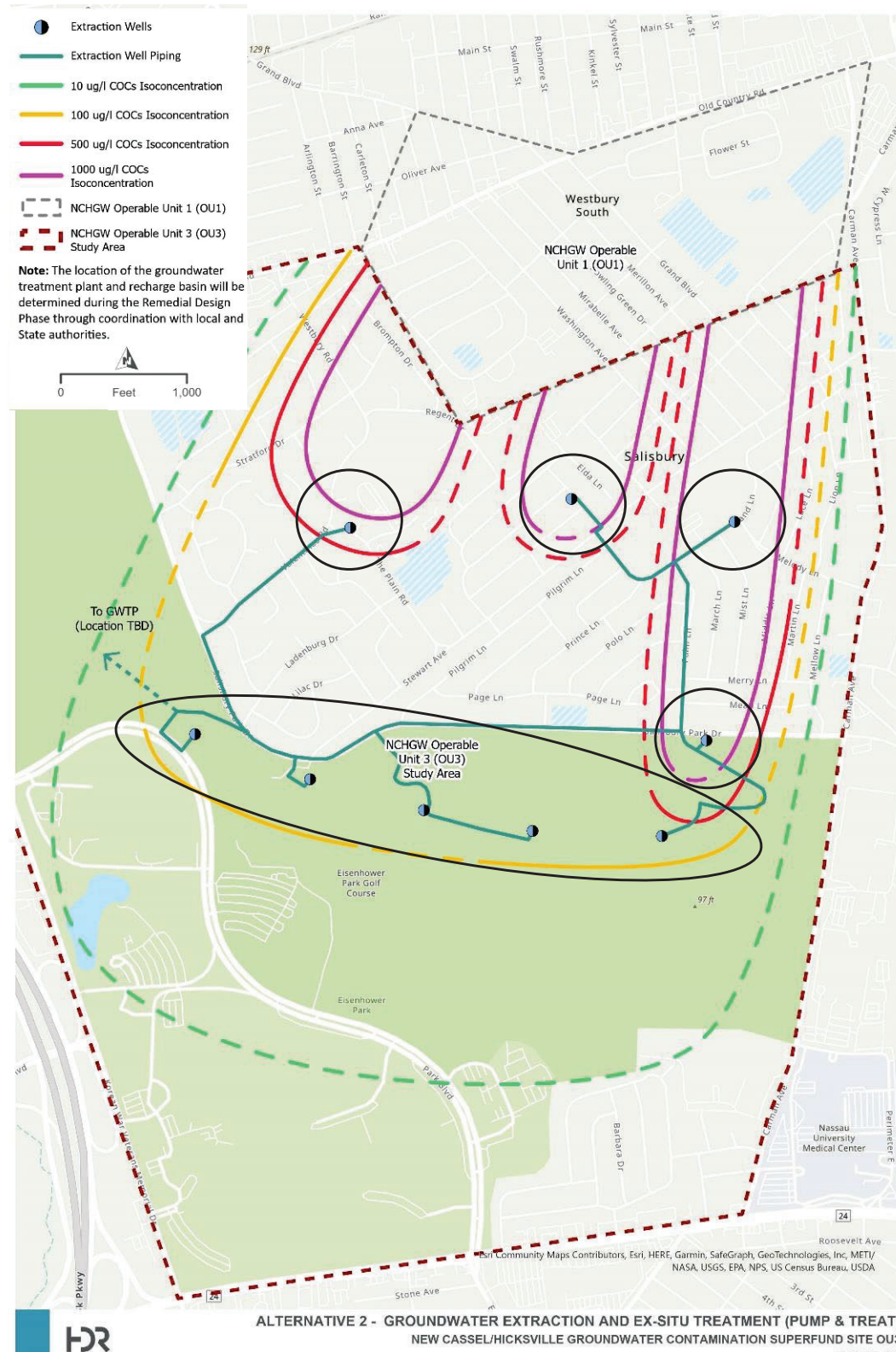
- Prevent or minimize the potential future human exposure (via dermal, ingestion and inhalation) to site-related contaminants in groundwater at concentrations in excess of federal and New York State standards
- Minimize the potential for further migration of groundwater contaminants in excess of federal and New York State standards
- Restore the impacted aquifer to its most beneficial use as a source of drinking water by reducing contaminant levels to the more stringent of federal or New York State standards

# Cleanup Plan

● Groundwater extraction wells to “pump” contaminated groundwater

— Underground pipes to move groundwater to a groundwater treatment plant

→ Treated groundwater





# Cleanup Plan



- Groundwater would be extracted (pumped) and sent to a treatment plant for treatment through a combination of:
  - Air stripping
  - Granular activated carbon
  - Advanced oxidation processes
- Groundwater would then be discharged to one or more of the following:
  - A new or existing recharge basin
  - Underground infiltration galleries
  - Sanitary sewer
  - Surface water
  - Reinjection to groundwater



<b>Capital Cost</b>	<b>\$51,685,000</b>
Total Operations and Maintenance Cost	\$47,455,000
<b>Total Present Worth Cost</b>	<b>\$99,140,000</b>



## Cleanup Plan Implementation

EPA has an enforcement first policy

## Remedial Design Development

This phase involves developing the specifications and details for designing the cleanup

- Conduct pre-design investigation
  - Gather additional data
  - Coordinate with stakeholders and community
  - Finalize remedial design report

## Cleanup Action

This phase involves constructing the selected cleanup plan.



# Fall 2024 In-Person Community Meeting

Community members will have the opportunity to:

- Speak to the EPA site team
- Learn more about the selected cleanup plan
- Ask questions

To receive updates about this meeting,  
please sign up for the site's mailing list

at: [www.epa.gov/superfund/new-cassel-hicksville](https://www.epa.gov/superfund/new-cassel-hicksville)





Site documents are available online and at:

- **Westbury Public Library** – 445 Jefferson St, Westbury, NY 11590
- **EPA Records Center** – 290 Broadway, 18<sup>th</sup> floor, New York, NY 10007

The EPA's Community Involvement Coordinators:

- **Maya Greally**, [Greally.Maya@epa.gov](mailto:Greally.Maya@epa.gov), (212) 637-3588
- **Joel Waddell**, [Waddell.Joel@epa.gov](mailto:Waddell.Joel@epa.gov), (212) 637-3590

New Cassel/Hicksville Groundwater Contamination Superfund Site Website: [www.epa.gov/superfund/new-cassel-hicksville](http://www.epa.gov/superfund/new-cassel-hicksville)



# Questions?







**NATIONAL PRIORITIES LIST (NPL) SITES IDENTIFIED WITHIN 1 MILE SEARCH RADIUS  
NO DELISTED NPL SITES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS**

PLEASE NOTE: \* Compass directions can vary substantially for sites located very close to the subject property address.

**Map Identification Number 1**



**HICKSVILLE CONTAMINATED GROUND WATER AREA**  
SOUTHERN END OF IRIS PLACE

WESTBURY, NY 11590

**EPA Facility Id: NYN000206415**  
TT-Id: 100A-0009-504

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING – LARGE SITE  
Approximate distance from property: 4927 feet to the NNE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
Revised zip code: UNKNOWN

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HICKSVILLE CONTAMINATED GROUND WATER AREA  
EPA ID#: NYN000206415

Site is part of NPL EPA ID# NY0001095363

**Map Identification Number 2**



**NEW CASSEL/HICKSVILLE GROUND WATER CONTAMINATION**  
SOUTHERN END OF IRIS PLACE

NEW CASSEL/HICKSVILLE, NY 11590

**EPA Facility Id: NY0001095363**  
TT-Id: 100A-0009-503

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING – LARGE SITE  
Approximate distance from property: 4927 feet to the NNE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
Revised zip code: L

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New Cassel and Hicksville Ground Water Contamination  
New York  
EPA ID#: NY0001095363  
EPA REGION 2  
Congressional District(s): 04  
Southern End Of Iris Place, New Cassel/Hicksville, NY 11590  
Nassau County

NPL LISTING HISTORY

Proposed Date: 3/10/2011

Final Date: 9/16/2011

Site Data

Other Site Name:

In addition to NEW CASSEL/HICKSVILLE GROUND WATER CONTAMINATION, this site has also been referred to as:

HICKSVILLE CONTAMINATED GROUND WATER AREA

NEW CASSEL INDUSTRIAL AREA

Announcements and Key Topics

EPA announced plans to install additional groundwater monitoring wells in the Salisbury area in a March 2022 Community Update factsheet (<https://semspub.epa.gov/work/02/631153.pdf>)

Background

The New Cassel/Hicksville Ground Water Contamination site is an area of widespread groundwater contamination in the towns of North Hempstead, Hempstead, and Oyster Bay in Nassau County, New York. EPA sampling in 2010 found contaminants in the pre-treated water from four Town of Hempstead wells, six Hamlet of Hicksville wells, and one Village of Westbury well.

The primary groundwater contaminants observed at the site included tetrachloroethylene (PCE), trichloroethylene (TCE) and other volatile organic compounds (VOCs). VOCs are contaminants that evaporate easily into the air and dissolve in water. VOCs are often used as ingredients in paints, solvents, aerosol sprays, cleaners, disinfectants, automotive products, and drycleaning fluids. Past industrial and commercial activities in the area have contributed to the groundwater contamination at the site, which is a source of drinking water. Consistent with the Safe Drinking Water Act that protects public drinking water supplies throughout the nation, the local water utilities monitor water quality regularly and have previously installed treatment systems to remove VOCs from groundwater.

As a result of investigations conducted beginning 1988 and continuing to 2010, the New York State Department of Environmental Conservation (NYSDEC) identified several sources of the contamination. NYSDEC requested in 2010 that EPA list the site on the Superfund Program's National Priorities List (NPL). EPA listed the site on the NPL in September 2011. EPA is addressing the site in three discrete phases or components known as operable units or OUs. After the site's NPL listing, EPA evaluated site data to determine the nature and extent of contamination and evaluate cleanup alternatives.

What Has Been Done to Clean Up the Site?

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Residents of the Hempstead, Hicksville, and Westbury areas receive drinking water from public water supplies that have treatment systems installed so that the drinking water meets state standards.

What Is the Current Site Status?

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Operable Unit 1: As part of the investigation of the groundwater south of Old Country Road, or Operable Unit 1 (OU1), EPA is drilling groundwater monitoring wells. This work will be completed by the end of 2022. EPA will also collect additional data to support the engineering design needed. EPA expects that the parties responsible for the contamination, also known as potentially



responsible parties (PRPs) will conduct or pay for the engineering design work and ultimately cleanup the site. There are three groundwater plumes, or areas where contaminants disperse, within OU1 ~ Eastern, Central and Western. EPA is overseeing the work of the PRPs responsible for the Eastern and Central plumes and is directly investigating the Western plume.

Operable Unit 2 includes groundwater contamination coming from Sylvania Properties. The U.S. Army Corps of Engineers (USACE) is examining the nature and extent of contamination in OU2 and options for addressing the contamination. This work, called the remedial investigation (RI), is being done under the Formerly Utilized Sites Remedial Action Program for cleaning up sites with contamination resulting from the nation's early atomic energy program. The USACE completed the RI report for groundwater contamination coming from the Sylvania Properties in September 2021. EPA is working with another PRP to obtain additional information in order to finalize a comprehensive RI report for OU2. After the investigation is complete, EPA will seek public comment on a proposed cleanup plan.

Operable Unit 3 includes the underlying aquifers. EPA is currently investigating these aquifers in phases to determine the nature and extent of groundwater contamination. Beginning in 2017 in the Salisbury area in and around the Eisenhower Park Golf Course, EPA installed permanent aquifer monitoring wells up to a maximum depth of approximately 600 feet below to collect samples at multiple depths, document hydrogeological conditions, and assess the extent of VOC contamination. Next, EPA will collect groundwater samples from the existing and newly installed monitoring wells to test for VOCs, semi-volatile organic compounds, pesticides, and metals analysis. The results of the analyses will assist in the characterization (i.e., nature and extent) of the impacted groundwater and will help plan the next steps of the investigation.

Following the OU3 investigation, EPA will prepare the RI report to document the investigation activities and results. A separate Feasibility Study (FS) report will also be prepared to present cleanup alternatives that may be implemented to address the impacted groundwater. EPA will issue a cleanup plan for public comment which identifies EPA's preferred method of cleanup after both the RI/FS reports are completed.

#### Remedial Activities - May 2020 Community Update

##### Recent Activities

The U.S. Environmental Protection Agency (EPA) will conduct field work this May in Westbury, New York for a portion of the New Cassel/Hicksville Groundwater Contamination Superfund site. The work is part of a pre-design investigation related to the remedy selected by EPA in September 2013 to address groundwater contamination in an area downgradient from the New Cassel Industrial Area, designated as Operable Unit 1 (OU1). Because it is downgradient the groundwater flows from the New Cassel Industrial Area to this area. The 2013 remedy calls for a combination of: (a) in-situ (in-place) treatment of groundwater using an in-well vapor stripping system; (b) in-situ treatment of groundwater by adding of chemicals, and (c) extraction of groundwater via pumping with above ground treatment system that uses air stripping and/or running groundwater through carbon treatment. Air stripping is the process of moving air through contaminated groundwater or surface water in an above-ground treatment system.

EPA will use a drill rig to install monitoring wells at five locations in the Salisbury Area within the Town of Hempstead. EPA plans to set up operations on public roads and in public right of ways. EPA will create a temporary work zone which will be inaccessible to the public. The temporary work zone will include a drill rig, a support truck and a bobcat. PPE and wastes from drilling operations will be placed in drums for temporary storage in a secure staging area at 650 Commercial Avenue, Garden City, NY.

Schedule of Activities

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 Drilling activities are anticipated to begin in May 2020 and end November 2020. EPA will conduct field activities for approximately four to six weeks at each location. The locations are:

- Bernard Drive;
- Regent Drive at two locations; and
- Edgewood Drive at two locations.

Cleanup Activities

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Operable Units

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OU ID	Name	Decision Document	Cleanup Technologies Selected in the Decision Document
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00	SITEWIDE	Not applicable	
01	GW - SOUTH OF OLD COUNTRY RD	Record of Decision September 30, 2013	Air Stripping (P&T, exsitu) Carbon Adsorption (liquid phase, P&T, exsitu) Chemical Oxidation (insitu) Discharge (POTW) Discharge (vertical well reinjection to contaminated aquifer) Extraction (recovery/vertical well) In-well Air Stripping Institutional Controls Monitoring (groundwater)
02	GW - SYLVANIA/GENERAL INSTR	No decision document	
03	FAR FIELD PLUME	No decision document	

Cleanup Progress

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Site Milestones

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Milestone	Date (s)
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Initial Assessment Completed	09/15/1995
Proposed to the National Priorities List	03/10/2011
Finalized on the National Priorities List	09/16/2011
Remedial Investigation Started	06/30/2011
Remedy Selected	09/30/2013
Remedial Action Started	Estimated Dec 2023-Feb 2024
Construction Completed	Not Yet Achieved

Deleted from National Priorities List	Not Yet Achieved
Most Recent Five-Year Review	Not Yet Achieved
Site Ready for Reuse and Redevelopment	Not Yet Achieved

Cleanup Schedule by Operable Unit

Milestone	Start Date	Completion Date
OU 01 - GW - SOUTH OF OLD COUNTRY ROAD		
Unilateral Administrative Order (EPA Performed)		03/22/2018
Combined Remedial Investigation/Feasibility Study (EPA Performed)	06/30/2011	09/30/2013
Record of Decision (EPA Performed)		09/30/2013
Remedial Design (EPA Performed)	07/10/2015	Estimated Sep-Nov 2025*
Remedial Design (PRP Performed, EPA Oversight)	01/26/2021	Estimated Sep-Nov 2025
Remedial Action	Estimated Dec 2023- Feb 2024	
OU 02 - GW - SYLVANIA/GENERAL INSTRUME		
Administrative Order of Consent (EPA Performed)		09/29/2022
Combined Remedial Investigation/Feasibility Study (PRP Performed, EPA Oversight)	04/08/2014	Estimated Sep-Nov 2024
Record of Decision		Estimated Sep-Nov 2024
Remedial Design	Estimated Sep-Nov 2025	
OU 03 - FAR FIELD PLUME		
Combined Remedial Investigation/Feasibility Study (EPA Performed)	06/11/2015	Estimated Sep-Nov 2023
Record of Decision		Estimated Sep-Nov 2023
Remedial Design	Estimated Mar-May 2024	

\*NOTE: This date may not reflect the actual start or actual completion of the milestone. Either the lead for this activity changed, the project was phased, or the project did not fit the normal definitions of activities tracked in this table.

Health & Environment

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What Are the Risks at the Site?

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EPA found elevated levels of volatile organic compounds (VOCs) including tetrachloroethylene (PCE), trichloroethylene (TCE), cis-1,2-dichloroethene (cis-1,2-DCE), and vinyl chloride in 11 public water supply wells, six in Hicksville, four in Hempstead, and one in Westbury. Nassau County's primary source of drinking water, the Magothy aquifer, has most likely been contaminated by the VOCs. Residents of these areas currently receive drinking water that has been treated for VOCs.

Contaminant List

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Contaminant Name	Contaminated Media	Area of Site Found (Operable Unit)	CAS #
1,1,2,2-TETRACHLOROETHANE	Groundwater	GW - SOUTH OF OLD COUNTRY ROAD (01)	79-34-5
1,1,2-TRICHLOROETHANE	Groundwater	GW - SOUTH OF OLD COUNTRY ROAD (01)	79-00-5
1,1-DICHLOROETHANE	Groundwater	GW - SOUTH OF OLD COUNTRY ROAD (01)	75-34-3
1,1-DICHLOROETHENE	Groundwater	GW - SOUTH OF OLD COUNTRY ROAD (01)	75-35-4
CHLOROETHENE (VINYL CHLORIDE)	Groundwater	GW - SOUTH OF OLD COUNTRY ROAD (01)	75-01-4
CHLOROFORM	Groundwater	GW - SOUTH OF OLD COUNTRY ROAD (01)	67-66-3
CIS-1,2-DICHLOROETHENE	Groundwater	GW - SOUTH OF OLD COUNTRY ROAD (01)	156-59-2
TETRACHLOROETHENE	Groundwater	GW - SOUTH OF OLD COUNTRY ROAD (01)	127-18-4
TRICHLOROETHENE	Groundwater	GW - SOUTH OF OLD COUNTRY ROAD (01)	79-01-6

## Site Contacts

=====

## Community Involvement Coordinator:

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## Additional Contacts:

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Mannino.Pietro@epa.gov

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The following data is archived data from the date listed at the bottom:

## Site Description

EPA listed the New Cassel/Hicksville Ground Water Contamination Site (Site) on the National Priorities List (NPL) of sites eligible for long-term remedial action financed under the Comprehensive Environmental Response, Compensation, and Liability Act, more commonly known as Superfund, on September 16, 2011. The Site is considered to be an area of widespread groundwater contamination within the Towns of North Hempstead, Hempstead and Oyster Bay in Nassau County, New York.

In 2010, EPA collected groundwater samples from raw (pre-treated) water from multiple public supply wells (PSWs) in central Nassau County and analyzed the raw water samples to determine whether volatile organic compounds (VOCs) were

present above the Maximum Contaminant Level (MCL). VOCs are contaminants that evaporate easily into the air and dissolve in water. The MCL is a federal standard for drinking water quality that is a legal threshold limit on the amount of a substance that is allowed in public water systems under the Safe Drinking Water Act. EPA's 2010 analytical results determined that there were VOCs above the MCL in the raw water in four Town of Hempstead wells (Bowling Green 1 and 2, Roosevelt Field 10, and Levittown 2A), six Hicksville wells (4-2, 5-2, 5-3, 8-1, 8-3, and 9-3) and Westbury Water District Well 11.

#### Threat and Contaminants

The primary contaminants of concern for the Site are tetrachloroethylene (PCE), trichloroethylene (TCE) and other VOCs. VOCs are often used as ingredients in paints, solvents, aerosol sprays, cleaners, disinfectants, automotive products and dry cleaning fluids. While no individual sources were identified in EPA's March 2011 Hazard Ranking System listing package for inclusion on the NPL, it is believed that past industrial and commercial activities in the area may have contributed the ground water contamination at the Site.

To date, the New York State Department of Environmental Contamination (NYSDEC) has evaluated 17 individual sites within the New Cassel Industrial Area (NCIA), located in the Town of North Hempstead, which are listed on the Registry of Inactive Hazardous Waste Sites in New York State. Responsible parties for these NCIA sites have implemented remedial actions associated with VOC contamination in soils and on-site groundwater. These sites remain under NYSDEC's oversight.

Within the Town of Hempstead, two public supply wells, Bowling Green Well 1 and 2, located approximately 1,500 feet downgradient of the NCIA were found to have TCE and PCE in raw water above the MCL. Raw groundwater pulled from these wells is treated prior to distribution to a population of more than 8,000 people.

During EPA's 2010 pre-NPL sampling, a public supply well field in Hicksville, which is in the Town of Oyster Bay, was found to have exceedances of PCE and TCE above the MCL in the raw ground water. Water from the Hicksville PSWs is treated prior to distribution to a population of more than 24,000 people.

Concentrations of VOCs above the MCL were also found in Hicksville Well 9-3, Hicksville Well 8-3, Hicksville Well 8-1, Hicksville Well 4-2, Hempstead-Levittown Well 2A, Hempstead-Roosevelt Field Well 10, and Westbury Well 11. The PSWs are tested regularly for water quality prior to distribution to the public and continues to meet federal and state water quality standards.

#### Cleanup Approach

EPA will be addressing the Site in discrete phases or components known as operable units or OUs. An operable unit represents a portion of the Site remedy that for technical or administrative purposes can be addressed separately to eliminate or mitigate a release, threat of release or exposure pathway resulting from Site contamination. EPA anticipates that there will be multiple OUs for the Site, and subsequent Proposed Plans and Records of Decision (RODs) will address groundwater contamination at other OUs at the Site.

The first operable unit at the Site, OU1, addresses a portion of the contaminated groundwater downgradient of the NCIA. EPA finalized its plan to clean up the contaminated groundwater as outlined in the September 2013 Record of Decision.

EPA will subsequently conduct remedial investigations to determine the nature and extent of contamination in other operable units. Subsequent operable units will include, but may not be limited to, the areas downgradient of OU1, the

Sylvania and the General Instruments sites in Hicksville, as well as areas impacting Hicksville PSWs 4-2, 8-1, 8-3, 0-3 and Hempstead-Levittown 2A.

#### Cleanup Progress

The New Cassel/Hicksville Ground Water Contamination Site was added to the National Priorities List on September 16, 2011.

OU1: In September 2013, EPA issued a Record of Decision for OU1, which addresses a portion of the contaminated groundwater downgradient of the NCIA.

#### Site Repositories

U.S. Environmental Protection Agency, Region 2, Superfund Records Center 290 Broadway, 18th Floor, New York, NY 10007-1866  
Westbury Public Library, 445 Jefferson St. Westbury, NY

Contact: Jennifer LaPoma, EPA Remedial Project Manager at 212-637-4328 or LaPoma.Jennifer@epa.gov or  
Cecilia Echols, EPA Community Involvement Coordinator at 212-637-3678 or Echols.Cecilia@epa.gov

August 19, 2014



**INACTIVE HAZ WASTE DISPOSAL REGISTRY OR REGISTRY-QUALIFYING SITES IDENTIFIED WITHIN 1 MILE SEARCH RADIUS**

PLEASE NOTE: \* Compass directions can vary substantially for sites located very close to the subject property address.

**Map Identification Number 3**

**MITCHEL FIELD**  
MITCHEL FIELD



GARDEN CITY, NY 11530-

**Facility Id: 130112**  
TT-Id: 120A-0007-435

MAP LOCATION INFORMATION

Site location mapped by: MAP COORDINATE – LARGE SITE  
Approximate distance from property: 2097 feet to the W

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
Revised zip code: 11530

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF ENVIRONMENTAL REMEDIATION  
INACTIVE HAZARDOUS WASTE DISPOSAL SITE INFORMATION

CLASSIFICATION CODE: P  
CLASSIFICATION CODE DESCRIPTION:  
Potential site

REGION: 1

SITE CODE: 130112  
DEC ID: 57073

NAME OF SITE: Mitchel Field  
STREET ADDRESS: Mitchel Field  
CITY: Garden City ZIP: 11530-

TOWN: Hempstead  
COUNTY: Nassau

ESTIMATED SIZE:

SITE TYPE: Dump- Structure- Lagoon- Landfill- Treatment Pond-

INSTITUTIONAL/ENGINEERING CONTROLS:  
None reported

CROSS REFERENCES:  
None reported

SITE OWNER/OPERATOR/REPOSITORY INFORMATION:

CURRENT OWNER(S):  
NAME: County of Nassau  
ADDRESS: 1 West Street  
Mineolany, NY 11501

OWNER(S) DURING DISPOSAL:

OPERATOR(S) DURING DISPOSAL:

HAZARDOUS WASTE DISPOSAL PERIOD:

SITE DESCRIPTION:

Location: The subject area is approximately 1500 acres, in Uniondale, Nassau County. The former Mitchel Field is an odd shaped polygon but the majority of the property is located between the Hempstead Turnpike to the south and the Stewart Ave to the North, the Korean Veterans Memorial Drive to the east and Oak Street to the west.

Site Features: This former military airfield is currently the location of the Nassau Coliseum, Nassau County Community College, portions of Hofstra University, and the Long Island Marriott Hotel and Conference Center, Mitchel College, and private residences to the west and south.

Current Zoning: Zoning in this area is mixed but is primarily commercial.

Historical Uses: Mitchel Field originally consisted of approximately 1436 acres and was used as a training base. The site was used during the Revolutionary War as an Army enlistment center eventually becoming formally leased in 1917 when it became the Aeronautical General Supply Depot. After WWI and until the end of WWII, the property was used as a tactical air unit training base. After WWII, the site became the Air Defense Command. This Formerly Used Defense Site was deactivated in 1961. The federal government sold the area to Nassau County during the late 1960's. With the exception of a few small buildings and portions of the former runway, no military structures remain. The changes, from military base to other uses, have resulted in much of the original property being reworked. This site was identified as HS 1025 in the Hazardous Substances Waste Disposal Site Study directed by the NYS Legislature.

Site Geology and Hydrogeology: There are two terminal moraines north of Mitchel Field. South of the moraines, outwash plains slope south to tidal marshes, mud flats and partly connected shallow bays. Streams drain the area and carry runoff to the estuaries of the south shore. The permanent streams in the area are Valley Stream, Mill River, East Meadowbrook, Bellmore Creek, Massapequa Creek, Hook Creek, Motts Creek, Powel Creek and Seafood Creek.

The groundwater at Mitchel Field moves through different geological units composed of unconsolidated gravel, clay, and sand. The depth to groundwater ranges from 25 to 35 feet below ground surface.

CONFIRMED HAZARDOUS WASTE DISPOSED:

None reported

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

An overall environmental assessment has not yet been made. In 2009, the Army Corps of Engineers completed an assessment of the property for the presence of military munitions or the components of military munitions. The assessment concluded that there were no unacceptable risks to human or ecological receptors identified.

ASSESSMENT OF HEALTH PROBLEMS:



As information for this site becomes available, it will be reviewed by the NYSDOH to determine if site contamination presents public health exposure concerns.

PROJECT COMPLETIONS:

Operable Unit 01 - Mitchel Field

PROJECT	DESCRIPTION	END DATE	STATUS
Site Characterization	MMRP Investigation	12/21/2009	Actual

The New York State Department of Environmental Conservation has not publicly updated the following fields since 2003:

ANALYTICAL DATA AVAILABLE FOR:	Air-	Surface Water-	Groundwater-	Soil-	Sediment-
APPLICABLE STANDARDS EXCEEDED IN:	Groundwater-	Drinking Water-	Surface Water-	Air-	

GEOTECHNICAL INFORMATION:

SOIL/ROCK TYPE:  
GROUNDWATER DEPTH:

LEGAL ACTION:	Type:	State-	Federal-
STATUS:	Negotiation in Progress-	Order Signed-	
REMEDIAL ACTION:	Proposed- Under Design-	In Progress-	Completed-
NATURE OF ACTION:			

Map Identification Number 4



425 MERRICK AVENUE  
425 MERRICK AVENUE

WESTBURY, NY 11590

Facility Id: 130061  
TT-Id: 120A-0004-827

MAP LOCATION INFORMATION

Site location mapped by: MAP COORDINATE (1)  
Approximate distance from property: 4155 feet to the NE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
Revised zip code: NO CHANGE

Special Note: This site is one of 421 Inactive Hazardous Waste Disposal Sites that reportedly are being reinvestigated for chlorinated solvents that may pose soil gas vapor intrusion hazards. Prior to 2003, many of these sites were determined to be cleaned up or not to pose hazards.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF ENVIRONMENTAL REMEDIATION  
INACTIVE HAZARDOUS WASTE DISPOSAL SITE INFORMATION

CLASSIFICATION CODE: C

REGION: 1

SITE CODE: 130061  
DEC ID: 58768

CLASSIFICATION CODE DESCRIPTION:

Remediation Complete (formerly D2). Sites may still require some degree of site management associated with either operation, maintenance, and monitoring or with institutional/engineering controls (IC/ECs).

NAME OF SITE: 425 Merrick Avenue  
STREET ADDRESS: 425 Merrick Avenue  
CITY: Westbury

ZIP: 11590

TOWN: North Hempstead  
COUNTY: Nassau

ESTIMATED SIZE: 2 Acres

SITE TYPE: Dump- Structure-X Lagoon- Landfill- Treatment Pond-

INSTITUTIONAL/ENGINEERING CONTROLS:

None reported

CROSS REFERENCES:

None reported

SITE OWNER/OPERATOR/REPOSITORY INFORMATION:

CURRENT OWNER(S):

NAME: Meadowbrook Management & Realty Corp.  
ADDRESS: 5 Aerial Way  
Syosset, NY 11791

NAME: MEADOWBROOK MANAGEMENT & REALTY CORP  
ADDRESS: 5 ARIAL WAY, SUITE 100  
SYOSSIT, NY 11791

OWNER(S) DURING DISPOSAL:

NAME: NEW YORK UNIVERSITY  
ADDRESS:  
NY

OPERATOR(S) DURING DISPOSAL:

NAME: NEW YORK UNIVERSITY  
ADDRESS: 425 MERRICK AVENUE  
WESTBURY, NY 11791

Operator Type: Corporate or Commercial

NAME: New York University Labs  
ADDRESS: 425 Merrick Avenue  
New Cassel, NY 11590

HAZARDOUS WASTE DISPOSAL PERIOD: from unknown to 1990

SITE DESCRIPTION:

The site is located in a commercialized area of Westbury. Prior to demolition activities, the site contained a main building and several buildings and structures located around the main building. All on-site structures were demolished in November 2000 and all excavated areas were backfilled with clean fill. The site was formerly used as a research facility. The past research and development activities resulted in the disposal of PCBs, metals and PAHs at the site. After NYU vacated the property in 1990, 200-300 containers were discovered at various locations throughout the property. These drums contained residual waste, liquids, including demolition-related debris. The site owner consolidated and properly disposed the containerized wastes off-site. Waste from the operation of the site may have included PCBs from the transformers, capacitors, and machine oils used in compressors, mercury from lab instruments and cuttings and filings from fabrication of tools. An Interim Remedial Measure (IRM), consisting of a series of soil removal actions completed between 1997 and 2001, has effectively remediated contaminated soil at the site. Through the implementation of IRMs, 660 cubic yards of contaminated soils were removed from the areas of concerns and properly disposed of off-site. Over 1100 pounds of potentially hazardous materials were also removed and properly disposed of off-site, eliminating additional potential impacts. All on-site buildings and associated structures were demolished and demolition debris properly disposed of. The confirmatory soil sample concentrations were below the soil cleanup guidelines, with the exception of isolated detections of PCBs and mercury at inconsequential levels. The IRMs have significantly reduced the levels of on-site soil contamination and removed potential sources of future groundwater contamination. The site no longer poses a current or potential significant threat to public health and/or environment. A No Further Action Record of Decision (ROD) was issued by the Department in March 2002. The selected remedy included delisting the Site from the NYS Registry of Inactive Hazardous Waste Disposal Sites. The Site was deleted from the Registry effective October 18, 2002. The vapor intrusion exposure pathway was evaluated by the New York State Departments of Environmental Conservation and Health (NYSDEC and NYSDOH) at this Site in 2006. The NYSDEC and the NYSDOH have determined that no additional investigation or remedial measures are needed at this time to address the soil vapor intrusion pathway.

CONFIRMED HAZARDOUS WASTE DISPOSED:

TYPE	QUANTITY
PCBS (B007 WASTE)	UNKNOWN
1,2-DICHLOROBENZENE (F002/U070 WASTE)	UNKNOWN

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

The site has been properly remediated and no further action is required.

ASSESSMENT OF HEALTH PROBLEMS:

All structures have been demolished and removed from the site. PCB and mercury contaminated soil has been effectively removed from the site. Any residual concentrations of contaminants that may exist at the site are either of inconsequential amounts or are sufficiently deep to prevent any significant threat to human health. Groundwater on-site is contaminated at levels slightly above groundwater standards but contaminants do not appear to have migrated off-site. Public water serves the immediate area.

PROJECT COMPLETIONS:

Operable Unit 01 - REMEDIAL PROGRAM		END DATE	STATUS
PROJECT	DESCRIPTION		
Remedial Investigation		03/25/2002	No Further Action
Operable Unit 01A - IRM -SOIL		END DATE	STATUS
PROJECT	DESCRIPTION		

Remedial Design  
Remedial Action

06/01/1997 Actual  
11/01/1998 Actual

The New York State Department of Environmental Conservation has not publicly updated the following fields since 2003:

ANALYTICAL DATA AVAILABLE FOR: Air- Surface Water- Groundwater- Soil-X Sediment-  
APPLICABLE STANDARDS EXCEEDED IN: Groundwater- Drinking Water- Surface Water- Air-

GEOTECHNICAL INFORMATION:

SOIL/ROCK TYPE: Sand.  
GROUNDWATER DEPTH: Range: 10 to 15 feet.

LEGAL ACTION: Type: Consent Order -IRM State-X Federal-  
STATUS: Negotiation in Progress- Order Signed-X  
REMEDIAL ACTION: Proposed- Under Design- In Progress- Completed-X  
NATURE OF ACTION: IRM-Building demolition.

Map Identification Number 5

**PUREX-MITCHELL FIELD**  
COMMERCIAL AVENUE



GARDEN CITY, NY 11530

Facility Id: 130014  
TT-Id: 120A-0004-770

MAP LOCATION INFORMATION

Site location mapped by: MAP COORDINATE - LARGE SITE  
Approximate distance from property: 4417 feet to the WNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
Revised zip code: NO CHANGE

Special Note: This site is one of 421 Inactive Hazardous Waste Disposal Sites that reportedly are being reinvestigated for chlorinated solvents that may pose soil gas vapor intrusion hazards. Prior to 2003, many of these sites were determined to be cleaned up or not to pose hazards.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF ENVIRONMENTAL REMEDIATION  
INACTIVE HAZARDOUS WASTE DISPOSAL SITE INFORMATION

CLASSIFICATION CODE: 04

REGION: 1

SITE CODE: 130014  
DEC ID: 55761

CLASSIFICATION CODE DESCRIPTION:

Site is properly closed - requires continued management.

NAME OF SITE: Purex-Mitchell Field  
STREET ADDRESS: Commercial Avenue

TOWN: Hempstead

CITY: Garden City ZIP: 11530 COUNTY: Nassau  
 ESTIMATED SIZE: 0.5 Acre

SITE TYPE: Dump- Structure-X Lagoon- Landfill- Treatment Pond-

INSTITUTIONAL/ENGINEERING CONTROLS:

CONTROL:	IN-PLACE DATE:
Groundwater Treatment System	07/17/1985
Landuse Restriction	07/17/1985
Subsurface Barriers	07/17/1985
Groundwater Containment	07/17/1985
Monitoring Wells	07/17/1985
Environmental Easement	07/17/1985

The following control(s) have been modified or deleted from the registry. Data reflects previous information.  
 Deed Restriction 07/17/1985

CROSS REFERENCES:

IDENTIFIER	SOURCE
-----	-----
2019-00108588	County Recording Identifier
NYD170009000	EPA Site ID

SITE OWNER/OPERATOR/REPOSITORY INFORMATION:

CURRENT OWNER(S):

NAME: PUREX CORPORATION	Owner Type:	Local Government
ADDRESS: COUNTY CENTER		
MINEOLA, NY 11501		
NAME: nassau county	Owner Type:	Local Government
ADDRESS: County Center		
Mineola, NY 11501		
NAME: County of Nassau	Owner Type:	Local Government
ADDRESS: County Center		
Mineola, NY 11501		

OWNER(S) DURING DISPOSAL:

OPERATOR(S) DURING DISPOSAL:

NAME: nassau county dept of public works	Operator Type:	Local Government
michael flaherty		
ADDRESS:		
NY		

HAZARDOUS WASTE DISPOSAL PERIOD: from 1955 to 1977

SITE DESCRIPTION:

This site was used by an industrial facility for chemical distribution. It is now a county-owned property on which a MTA / Long Island bus garage is located. Chlorinated solvents from the former chemical distribution facility have formed a contaminant plume in the groundwater within the area of the site. A groundwater treatment system utilizing air stripping was installed in 1989. Contamination removals exceed 130,000 pounds of contaminants. The Nassau County DPW has assumed full operation of this system in 2003. Operation of the remedial system must continue until the clean-up criteria of the 1985 Consent Judgment is achieved. The results of a soil sampling program in 1992 indicated that the soil clean-up objectives had been met and that further soil flushing was discontinued. In May 2000, additional work was agreed to that will further enhance groundwater extraction capability and ultimately decrease the time required to complete the groundwater remediation. Additional work was done in 2002, including installation of deeper monitoring wells and upgrade of the pumping capacity.

CONFIRMED HAZARDOUS WASTE DISPOSED:

TYPE	QUANTITY
-----	-----
CHLORINATED SOLVENTS (FOO1) (FOO1)	UNKNOWN
vinyl chloride	UNKNOWN
ethylbenzene	UNKNOWN
tetrachloroethene (PCE)	UNKNOWN
methylene chloride	UNKNOWN
toluene	UNKNOWN
benzene	UNKNOWN
1,1,1-trichloroethane	UNKNOWN
trichloroethene (TCE)	UNKNOWN

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

The remediation included the installation of a slurry wall, air strippers, recovery wells, and the placement of recirculation piping in the source area.

DR Apr2021:

Approximately 25 VOCs and CVOCs were included in the Consent Order negotiated between DEC, AG, Nassau County, Purex, and the Town. Contamination levels ranged as high as 39,200ppb of Tetrachloroethylene (TCE).

2018: Albany PM agreed DEC/DOH would re-evaluate status after 3 years of GW monitoring of 2 wells immediately outside the S (downgradient) side of the source area. The sampling found under 10ppb of TCE, 1.1ppb Trichloroethylene, and ND for all other parameters.

2018: EC sampling performed.

2019: EE implemented for the source area.

2018-2020: Nassau County DPW performed GW sampling.

2021: NCDPW preparing to decommission the GW treatment building adjacent to the source area and its bus facility for bus parking.

2021: NC may also request full delisting.

2021: DEC requested additional GW sampling (source area, upgradient, VOCs, ECs) to further evaluate site status.

ASSESSMENT OF HEALTH PROBLEMS:

Exposures to contaminated groundwater via drinking water are not expected because public water serves the area and there are no known users of well water in the vicinity. On-site soils are remediated, so dermal exposures are not expected. The potential for inhalation exposures to volatile organic compounds via soil vapor intrusion has not been evaluated.

PROJECT COMPLETIONS:

Operable Unit 01 - REMEDIAL PROGRAM

PROJECT	DESCRIPTION	END DATE	STATUS
Remedial Investigation		10/01/1984	Actual
Remedial Design		01/01/1985	Actual
Remedial Action		10/01/1989	Actual

The New York State Department of Environmental Conservation has not publicly updated the following fields since 2003:

ANALYTICAL DATA AVAILABLE FOR:	Air-	Surface Water-	Groundwater-X	Soil-X	Sediment-
APPLICABLE STANDARDS EXCEEDED IN:	Groundwater-X	Drinking Water-X	Surface Water-	Air-	

GEOTECHNICAL INFORMATION:

SOIL/ROCK TYPE: Sand.  
 GROUNDWATER DEPTH: Range: 15 to 20 feet.

LEGAL ACTION:	Type: AG - Consent Order	State-X	Federal-
STATUS:	Negotiation in Progress-	Order Signed-X	
REMEDIAL ACTION:	Proposed- Under Design-	In Progress-X	Completed-
NATURE OF ACTION:	Groundwater pump & treat system.		

Map Identification Number 6



**NEW CASSEL/HICKSVILLE GROUND WATER CONTAMINATION**  
 SOUTHERN END OF IRIS PLACE

NEW CASSEL, NY 11590

Facility Id: 130215  
 TT-Id: 120A-0009-505

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING - LARGE SITE  
 Approximate distance from property: 4927 feet to the NNE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
 Revised zip code: UNKNOWN

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF ENVIRONMENTAL REMEDIATION  
INACTIVE HAZARDOUS WASTE DISPOSAL SITE INFORMATION

CLASSIFICATION CODE: 02 REGION: 1 SITE CODE: 130215  
CLASSIFICATION CODE DESCRIPTION: DEC ID: 477693  
Significant threat to the public health or environment - action required.  
NAME OF SITE: New Cassel/Hicksville Ground Water Contamination  
STREET ADDRESS: Southern End of Iris Place TOWN: North Hempstead  
CITY: New Cassel ZIP: 11590 COUNTY: Nassau

SITE TYPE: Dump- Structure- Lagoon- Landfill- Treatment Pond- ESTIMATED SIZE: 2200 Acres

INSTITUTIONAL/ENGINEERING CONTROLS:  
None reported

CROSS REFERENCES:

IDENTIFIER	SOURCE
NY0001095363	CERCLA EPA ID No.

SITE OWNER/OPERATOR/REPOSITORY INFORMATION:  
None reported

HAZARDOUS WASTE DISPOSAL PERIOD:

SITE DESCRIPTION:  
Location: The New Cassel/Hicksville Ground Water Contamination site is located in a suburban area. Site Features: The site consists of a groundwater contamination plume located beneath a mixed-use area. The Bowling Green and Hicksville Plant 5 public water supply well fields draw from the groundwater within the site area. Both well fields have wellhead treatment to remove site-related contaminants from the drinking water prior to distribution. Current Zoning and Land Use: The land use mostly consists of single family homes, suburban shopping and other commercial buildings. The zoning is consistent with the varied land use. Past Use of Site: The groundwater contamination originates from several sites within the New Cassel Industrial Area, the General Instruments site, the Former Sylvania site, and other upgradient properties. The sources of the plume are generally current and former industrial properties. Operable Units: The site has been divided into three operable units. An operable unit represents a portion of a remedial program for a site that for technical or administrative reasons can be addressed separately to investigate, eliminate or mitigate a release, threat of release or exposure pathway resulting from the site contamination. Operable Unit 1 (OU1) is the groundwater contamination directly south of the New Cassel Industrial Area sites. OU2 consists of the contaminated groundwater from General Instruments Corp. (Site No. 130020) and 70-140 Cantiague Rock Rd/Formed Sylvania (Site



No. V00089). OU3 is defined as the far afield groundwater contamination. Site Geology and Hydrogeology: The subsurface generally consists of sand and gravel with silt and clay lenses. The water table is approximately 70 feet deep and flows southwest.

CONFIRMED HAZARDOUS WASTE DISPOSED:

TYPE	QUANTITY
tetrachloroethene (PCE)	UNKNOWN
TRICHLOROETHENE (TCE)	UNKNOWN
TETRACHLOROETHYLENE (PCE)	UNKNOWN

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

Based on investigations conducted to date, the primary contaminants of concern are tetrachloroethylene (PCE), trichloroethylene (TCE) and their breakdown products. Groundwater - PCE, TCE and their associated breakdown products were detected in the groundwater located downgradient of the source areas. PCE and TCE concentrations exceed 1,000 parts-per-billion (ppb) in the groundwater plume, exceeding the New York State groundwater standard of 5 ppb for both contaminants.

ASSESSMENT OF HEALTH PROBLEMS:

People are not drinking contaminated groundwater because the public water supply wells that serve the area are either monitored to verify compliance with New York State drinking water standards, or treated to remove contaminants before the water is distributed to consumers. 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. The potential for soil vapor intrusion to occur within the designated site area needs to be evaluated.

PROJECT COMPLETIONS:

PROJECT	DESCRIPTION	END DATE	STATUS
Operable Unit 01 - Groundwater South of Old Country Road			
Remedial Investigation	EPA ROD for NCIA OU3	09/30/2013	Actual

The New York State Department of Environmental Conservation has not publicly updated the following fields since 2003:

ANALYTICAL DATA AVAILABLE FOR:	Air-	Surface Water-	Groundwater-	Soil-	Sediment-
APPLICABLE STANDARDS EXCEEDED IN:	Groundwater-	Drinking Water-	Surface Water-	Air-	

GEOTECHNICAL INFORMATION:

SOIL/ROCK TYPE:  
GROUNDWATER DEPTH:

LEGAL ACTION:	Type:	State-	Federal-
STATUS:	Negotiation in Progress-	Order Signed-	
REMEDIAL ACTION:	Proposed- Under Design-	In Progress-	Completed-
NATURE OF ACTION:			

Map Identification Number 7

AWARD PACKAGING CORP.

625 SOUTH STREET

GARDEN CITY, NY 11530

Facility Id: 130155

TT-Id: 120A-0004-865

MAP LOCATION INFORMATION

Site location mapped by: MAP COORDINATE (1)

Approximate distance from property: 5183 feet to the NW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF ENVIRONMENTAL REMEDIATION  
INACTIVE HAZARDOUS WASTE DISPOSAL SITE INFORMATION

CLASSIFICATION CODE: 04

REGION: 1

SITE CODE: 130155

DEC ID: 343267

CLASSIFICATION CODE DESCRIPTION:

Site is properly closed - requires continued management.

NAME OF SITE: Award Packaging Corp.

STREET ADDRESS: 625 South Street

CITY: Garden City

ZIP: 11530

TOWN: Hempstead

COUNTY: Nassau

ESTIMATED SIZE: 2.109 Acres

SITE TYPE: Dump- Structure-X Lagoon- Landfill- Treatment Pond-

INSTITUTIONAL/ENGINEERING CONTROLS:

CONTROL:	IN-PLACE DATE:
Monitoring Plan	10/26/2017
Ground Water Use Restriction	10/26/2017
Cover System	10/26/2017
O&M Plan	10/26/2017
Landuse Restriction	10/26/2017
IC/EC Plan	10/26/2017
Air Sparging/Soil Vapor Extraction	10/26/2017
Vapor Mitigation	10/26/2017
Site Management Plan	10/26/2017
Monitoring Wells	10/26/2017
Environmental Easement	10/26/2017

The following control(s) have been modified or deleted from the registry. Data reflects previous information.

Groundwater Treatment System 10/26/2017

CROSS REFERENCES:

IDENTIFIER  
 -----  
 13577-00928  
 A1-0557-07-06  
 July 9, 2007

SOURCE  
 -----  
 Environmental Easement No.  
 Agreement/Consent Order Number  
 Agreement/Consent Order Date

SITE OWNER/OPERATOR/REPOSITORY INFORMATION:

CURRENT OWNER(S) :

NAME:	Rococo Associates, Inc.	Owner Type:	PRP - Class 2 HazSubs
	Jill S. Lefkowitz		
ADDRESS:	c/o Island Property Group, LLC		
	223 Wall Street, Suite 162		
	Huntington, NY 11743		

OWNER(S) DURING DISPOSAL:

OPERATOR(S) DURING DISPOSAL:

APPLICANT REQUESTOR(S) :

DOCUMENT REPOSITORY(S) :

NAME:	Garden City Public Library	Repository Typ:	Local Government
	Lucy Jaffe		
ADDRESS:	60 Seventh Street		
	Garden City, NY 11530		

NAME: New York State Department of Environmental Conservation  
 William Fonda  
 ADDRESS: 50 Circle Road  
 Stony Brook, NY 11790-3409

HAZARDOUS WASTE DISPOSAL PERIOD:

SITE DESCRIPTION:

Location: The Award Packaging Corp. site is a 2.1-acre site located at 625 South Street in the Town of Hempstead. The property is situated on the north side of South Street in a suburban area. Site Features: The main site features include one multi-tenant commercial/industrial building, which is surrounded by paved parking. The on-site building contains two tenant spaces. One space is used for warehousing and the other space is currently unoccupied. Nearly all of the exterior portion of the site is paved. However, there is some landscaping in front of the building, and some exposed surface soil behind the building. Current Zoning and Land Use: The site is zoned for industrial use. The surrounding parcels are currently used for a combination of commercial, light industrial, and a highway. The nearest residential area is 0.25 miles south of the site. Past Use of the Site: From 1967-2007, the site was used for application of print to plastic packaging material. During this time, wastes were disposed into two exterior drywells and one interior floor drain. In 2004, contaminated materials were excavated from the drywells and floor drain; however, remediation was incomplete. Groundwater contamination was detected at the bottom of the excavated

drywells. Site Geology and Hydrogeology: The subsurface soils above the water table consist of sand and gravel with discontinuous silt and clay lenses. The site is covered with buildings, pavement and clean soil. The water table is located at a depth of 30 feet below ground surface and groundwater generally flows south. However, the groundwater flow direction changes to southeast or east after heavy rains, due to the presence of a recharge basin west of the site.

## CONFIRMED HAZARDOUS WASTE DISPOSED:

TYPE	QUANTITY
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TOLUENE	UNKNOWN
indeno (1,2,3-cd)pyrene	UNKNOWN
ACETONE	UNKNOWN
Chrysene	UNKNOWN
LEAD	UNKNOWN
ETHYLBENZENE	UNKNOWN
1,1,1 TCA	UNKNOWN
TETRACHLOROETHYLENE (PCE)	UNKNOWN
XYLENE (MIXED)	UNKNOWN
DIBENZ [A, H] ANTHRACENE	UNKNOWN
BENZ (A) ANTHRACENE	UNKNOWN
BENZO (B) FLUORANTHENE	UNKNOWN
benzo (a) anthracene	UNKNOWN
tetrachloroethene (PCE)	UNKNOWN
BENZO (A) PYRENE	UNKNOWN
COPPER	UNKNOWN
CHROMIUM	UNKNOWN
BENZO [K] FLUORANTHENE	UNKNOWN

## ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were acetone, toluene, ethylbenzene, and xylene in the soil and groundwater. Tetrachloroethylene was present in the soil vapor beneath the on-site building. Remedial actions have successfully achieved soil cleanup objectives for commercial use. Remaining contamination in the soil, groundwater, and soil vapor is being managed under a Site Management Plan.

## ASSESSMENT OF HEALTH PROBLEMS:

Direct contact with contaminants in the soil and groundwater is unlikely because the majority of the site is covered with buildings, clean fill and pavement. People are not drinking the contaminated groundwater because the area is served by a public water supply that is not affected by this contamination. Volatile organic compounds in the groundwater 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. While the potential exists for inhalation of site-related contaminants due to soil vapor intrusion in the on-site building, a portion of the soil vapor extraction system installed at the site provides sub-slab depressurization for the Site building and prevents the indoor air quality from being affected by the contamination in soil vapor beneath the building. Environmental sampling indicates that soil vapor intrusion is not a concern for off-site buildings.

PROJECT COMPLETIONS:

Operable Unit 00 - Entire Site

PROJECT	DESCRIPTION	END DATE	STATUS
Certificate of Completion	Certificate of Completion	12/29/2017	Actual

Operable Unit 01 - Remedial Program

PROJECT	DESCRIPTION	END DATE	STATUS
Remedial Investigation	Remedial Investigation	03/15/2012	Actual
Remedial Design		12/17/2015	Actual
Remedial Action	Remedial Action	12/29/2017	Actual

The New York State Department of Environmental Conservation has not publicly updated the following fields since 2003:

ANALYTICAL DATA AVAILABLE FOR:	Air-	Surface Water-	Groundwater-	Soil-	Sediment-
APPLICABLE STANDARDS EXCEEDED IN:	Groundwater-	Drinking Water-	Surface Water-	Air-	

GEOTECHNICAL INFORMATION:

SOIL/ROCK TYPE:  
GROUNDWATER DEPTH:

LEGAL ACTION:	Type:	State-	Federal-
STATUS:	Negotiation in Progress-	Order Signed-	
REMEDIAL ACTION:	Proposed- Under Design-	In Progress-	Completed-
NATURE OF ACTION:			