



# CLOSED DANBURY LANDFILL DANBURY, CONNECTICUT STEWARDSHIP PERMIT RENEWAL PUBLIC INFORMATION MEETING

**JANUARY 10, 2024**

**Presented by: Sheila Gleason, DEEP Remediation Division,  
Karen Destefanis, WSP USA**

# AGENDA

- **Welcome from CT DEEP and Introductions**
- **Permit Overview**
  - Explanation of the Stewardship Permit Program
  - Goals of Stewardship Permits
  - How Stewardship Permits Connect the Community
- **Facility Overview**
  - Property Location
  - Facility History
  - Environmental Concerns
- **Timeline of Investigations and Remediation**
- **Actions to be Completed Under Renewed Stewardship Permit**
- **Opportunity for public comments and questions**

*Note: All participants will be muted until the meeting is open to public participation. Please note that all or portions of the meeting may be recorded.*

## INTRODUCTIONS

### Connecticut DEEP

- Sheila Gleason,  
Environmental Analyst,  
Remediation Division

### Facility

- Karen Destefanis,  
Licensed Environmental  
Professional, WSP

# PERMIT OVERVIEW

## Why we are here:

- To continue the property's cleanup progress and
- Set a path for redevelopment of the property

## Why is a Stewardship Permit Required?

- Regulatory basis:
  - Federal and state laws require that this type of facility has an enforceable cleanup schedule in place to advance site cleanup and ensure remedies remain effective into the future.

# PERMIT OVERVIEW

## What is a Stewardship Permit?

- Cleanups at some sites require long-term monitoring and care to ensure that the remedy remains protective of human health and the environment.
- There is a need to keep our promise to the future by having a transparent process that tracks those obligations.
- A Stewardship Permit issued by the State of Connecticut is an enforceable mechanism to help keep that promise

# GOALS OF STEWARDSHIP PERMITS



Protect human health and the environment and ensure remedy remains effective into the future



Restore and revitalize urban centers



Guide growth to preserve open land

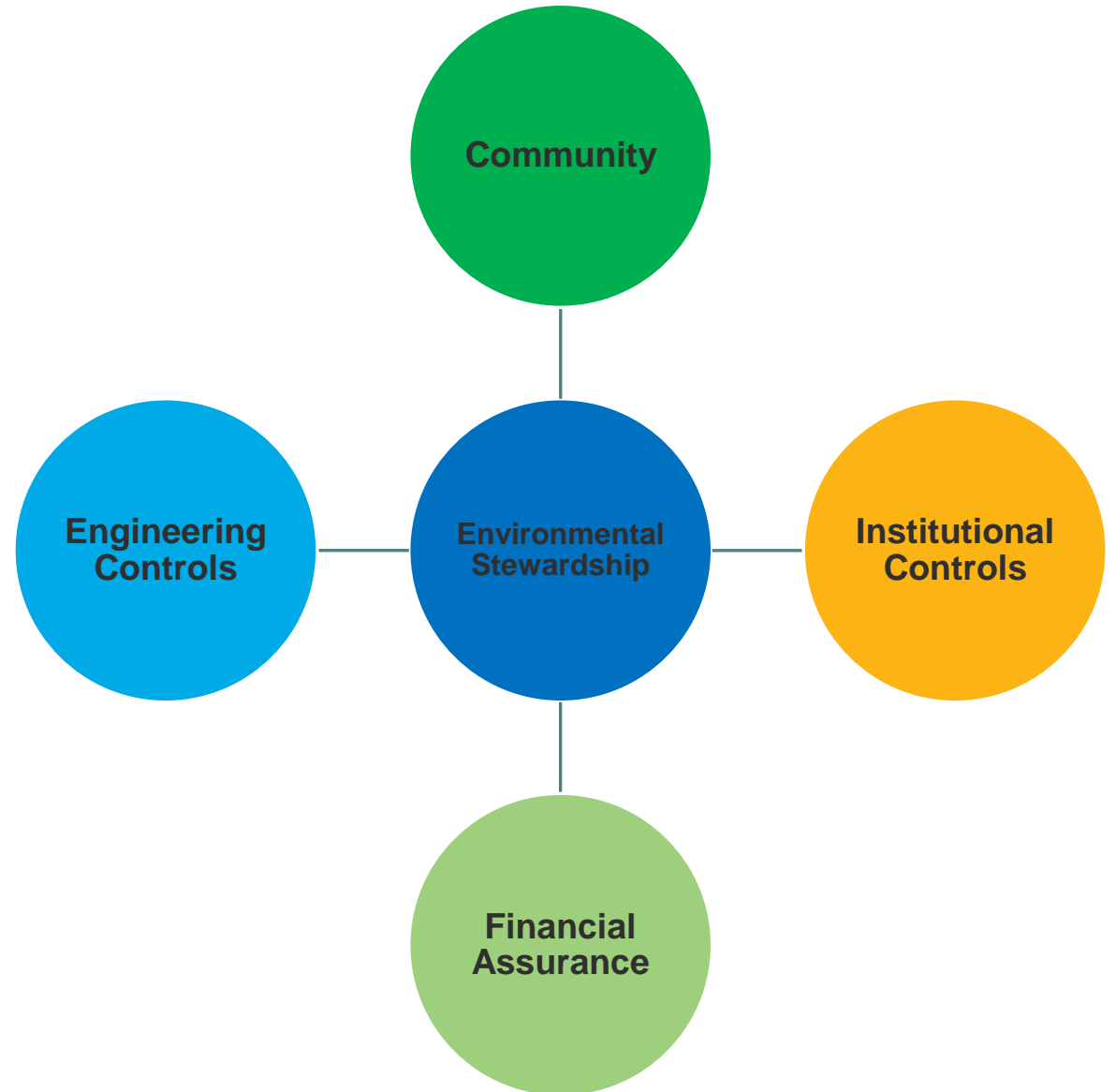


Preserve cultural & historic resources



Promote and maintain a sustainable economy

A Stewardship Permit creates a link between the property and the community and ensures remedies remain effective into the future



# STEWARDSHIP PERMITS CONNECT THE COMMUNITY

# FACILITY OVERVIEW - PROPERTY LOCATION

## Closed Danbury Landfill Plumtrees Road, Danbury, Connecticut



The site is owned by the City of Danbury.



Source: Google Earth Pro  
Retrieved January 2024, aerial from 2023



# FACILITY HISTORY

## **Solid Waste**

1930 – 1996 City operated 45-acre site as a municipal solid waste (MSW) landfill.

July 1993 – December 31, 1996 – MSW landfill only for limited use.

## **RCRA-Regulated Metal Hydroxide Cell**

1975 – 1987 – City used 0.7-acres for disposal of hazardous waste.

# FACILITY HISTORY

## RCRA-Regulated Metal Hydroxide Cell

– Wastewater treatment by-product

Wastes included:

Barium

Beryllium

Cadmium

Chromium

Cobalt

Copper

Lead

Nickel

Silver

Tin

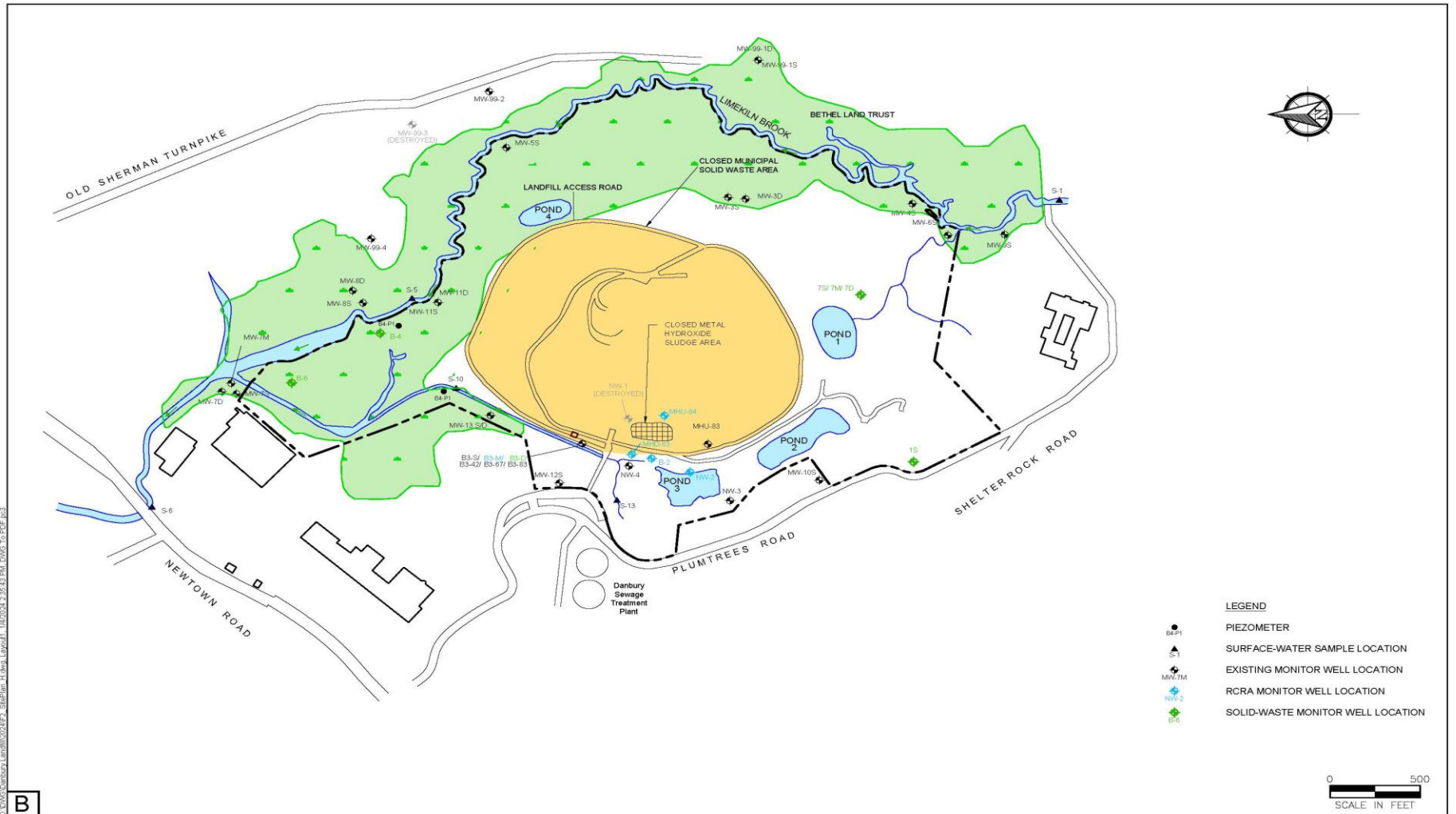
Vanadium

Zinc

Fluorene

Pyrene

# ENVIRONMENTAL CONCERNS



C:\Users\Danbury\Landfill\2024\Fig 2 - Site Plan - H-Rev 4 - Layout.dwg, 14/07/24, 2:35:43 PM, DWG To PDF.pc3

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# ENVIRONMENTAL CONCERNS

## Waste/Solid Waste Exposure –

- **Metal Hydroxide Cell capped since 1988**
- **Entire landfill capped since 1997**
  - No risks associated with Direct Exposure Criteria - direct contact with and/or ingestion of waste/solid waste contaminants
  - No risks associated with Pollutant Mobility Criteria - potential for contaminants to migrate from the waste/solid waste and degrade underlying groundwater

# ENVIRONMENTAL CONCERNS

## Groundwater Exposure

- Groundwater Protection Criteria **not** applicable
- Surface Water Protection Criteria **is** applicable
- Landfill is located in a “GB” area - unsuitable for direct human consumption without pretreatment.
- No public water supply wells or reservoirs located within ½ mile radius of landfill.
- No residential properties within 1,000 feet of landfill.
- All developed properties within 1,000 feet of landfill are connected to public water supply.
- No constituents of concern detected in downgradient wells above criteria.

# ENVIRONMENTAL CONCERNS

## Air Exposure

- **Landfill Gas Emissions**

- Permitted to operate landfill gas collection and treatment system.
  - Methane concentration < 500 ppm above background.
  - Quarterly Monitoring/Inspections

# TIMELINE OF INVESTIGATIONS & REMEDIATION

## **RCRA-Regulated Metal Hydroxide Cell**

December 1988 – Closure of Metal Hydroxide Cell Certified Complete.

September 11, 1989 – CTDEEP Closure Approval of Metal Hydroxide Cell.

## **Solid Waste**

1997 – Final closure of MSW landfill.

**Entire landfill capped with impermeable geo-membrane cap.**

# ACTIONS REQUIRED IN STEWARDSHIP PERMIT

- **Maintenance of final cover;**
- **Quarterly inspections of cover for signs of erosion, settling, subsidence, odors, integrity of the final cover, etc.....as required by the permit;**
- **Maintenance of groundwater monitoring system and continued semi-annual sampling and analysis of groundwater and surface water;**
- **Operation and maintenance of the landfill gas collection and treatment system;**
- **Complete Screening Level Ecological Risk Assessment;**
- **Prepare PFAS Baseline Sampling Plan;**
- **Annual reporting.**



## SUMMARY OF STEWARDSHIP PERMITS

Ensures public participation in proposed cleanup

Documents the completion of cleanup

Memorializes phases of completed remediation

Addresses financial assurance obligations

Spells out long-term obligations of permit holder to simplify transfer of property

# STEWARDSHIP PERMIT PUBLIC COMMENT PERIOD

## Opportunity to Comment on Draft Permit

- **DECEMBER 6, 2023-Draft permit available for public review**
  - Notice of tentative determination to issue a permit renewal was published, beginning the Public Comment period
  - Information published in DANBURY NEWS-TIMES
  - Radio announcements on WLAD 800 am
- **JANUARY 10, 2024-Public Informational Meeting held in virtual format**
- **JANUARY 22, 2024-End of Public Comment period**
- **Next: CT DEEP will review comments, consider if changes needed, then issue final decision**

# PUBLIC COMMENT PROCESS

**All comments must be received by January 22, 2024**

Once all written comments are received, DEEP will review the comments received in writing and verbally at this meeting prior to finalizing the decision regarding the permit renewal.



This presentation will be posted to the DEEP webpage:

[Proposed Individual Permits \(ct.gov\)](#)



Comments may be emailed to:

Sheila Gleason, [sheila.gleason@ct.gov](mailto:sheila.gleason@ct.gov)

With a copy to  
[DEEP.REMStewardship@ct.gov](mailto:DEEP.REMStewardship@ct.gov)



Comments may be mailed to:

Sheila Gleason, Environmental Analyst  
Remediation Division  
Bureau of Water Protection and Land  
Reuse, 2nd Floor  
CT Department of Energy and  
Environmental Protection  
79 Elm Street  
Hartford CT, 06106-5127

# QUESTIONS AND COMMENTS WELCOME!

- Please note that all or portions of the meeting may be recorded.
- If you wish to speak, please use the “Raise your hand” feature
- The moderator will call your name
- Unmute your phone / computer
- If possible, turn your camera on while making a comment
- State your name and address clearly
- When done, please place your phone / computer back on mute

Thank you!