



Public Hearing

Environmental Soil Management of New York,
LLC Research, Development & Demonstration
(RD&D) Permit
Fort Edward Township, NY
NYSDEC Application #: 5-5330-00038/00027

December 4, 2024

Public Hearing – Agenda

- **Introduction**

- Who are ESMI and Clean Earth?
- What does the Fort Edward Facility do?

- **RD&D Permit Application**

- What is the proposed project?
- What is the project's purpose and importance?
- How might the project affect the surrounding community?
- What is the RD&D permit application process?

- **Public Comments**

- Guidelines
- Further Information

Visit the online document repository to view materials and submit written comments:

<https://pages.cleanearthinc.com/new-york-ppp>

Introduction

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Who are ESMI and Clean Earth?

- **ENVIRONMENTAL SOIL MANAGEMENT OF NEW YORK, LLC** is also known as
 - Clean Earth
 - ESMI (name on operating permit)

- **CLEAN EARTH**
 - Division of Enviri Corporation
 - Company provides recycling and beneficial reuse solutions for industrial waste and contaminated soil
 - In 2023, over 90% of the material processed by Clean Earth was reused/recycled, avoiding landfills
 - Services help commercial, industrial, government, and retail businesses:
 - Safely manage their waste
 - Achieve their sustainability goals
 - Reduce their carbon footprint
 - Engage in the circular economy

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What does the Fort Edward Facility do?

- **General information**

- Facility has safely and compliantly cleaned soil in Fort Edward since 1995
- Cleans contaminated soil from the local community to meet state standards
- Utilizes a well-established process called **thermal desorption**
 - Soil is tumbled in a rotating cylinder where heat is used to desorb (or separate) the contaminants from the soil
 - The remediated soil, cleaned of contaminants, is discharged from the process and after testing is reused per state regulations
 - The contaminants removed from the soil are sent to a thermal oxidizer which destroys contaminants and controls air emissions
 - Contaminants removed and destroyed can include fuels, lubricants, and oils

IMPORTANT FACTS

- The facility does not manufacture or use PFAS
- The facility does not currently process soil identified as containing PFAS
- The facility is not an incinerator
- Any visible emissions are not smoke but rather water vapor

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RD&D Permit Application

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What is the proposed project?

- **Clean Earth intends to conduct a short-term project:**
 - Treat up to a maximum of 5,000 tons of soil lightly contaminated with PFAS
 - It is anticipated that this project will take two weeks of operating time
- **Project will occur under an approved NYSDEC RD&D permit**
 - Monitoring and validation testing will include laboratory analysis on the soil both pre- and post-treatment
 - Air emissions tests will be conducted to evaluate potential process emissions
 - All sampling and laboratory tests will be completed as approved by the NYSDEC
 - A complete report will be submitted to the NYSDEC

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What is the project's purpose and value?

- **Purpose**

- Validate USEPA and DoD research and experience
- Prove that Clean Earth's thermal desorption process can remediate soil and destroy PFAS as shown in the lab and at other full-scale facilities

- **Value**

- **Clean soil leads to clean drinking water**

- PFAS hotspots (contaminated soil) leach contaminants into drinking water sources
- Hotspot soil should be removed and cleaned or drinking water will be a "forever" problem

- **Clean soil avoids the use of landfills**

- Leave it
- Landfill it
- Destroy it

- **Assist the NYSDEC as it decides how to manage PFAS contamination found in the state**

- Prepare for compliance with federal regulations
- Enhance state-specific PFAS policies, guidance, and regulations
- Ensure that PFAS contamination in New York State is cleaned up safely

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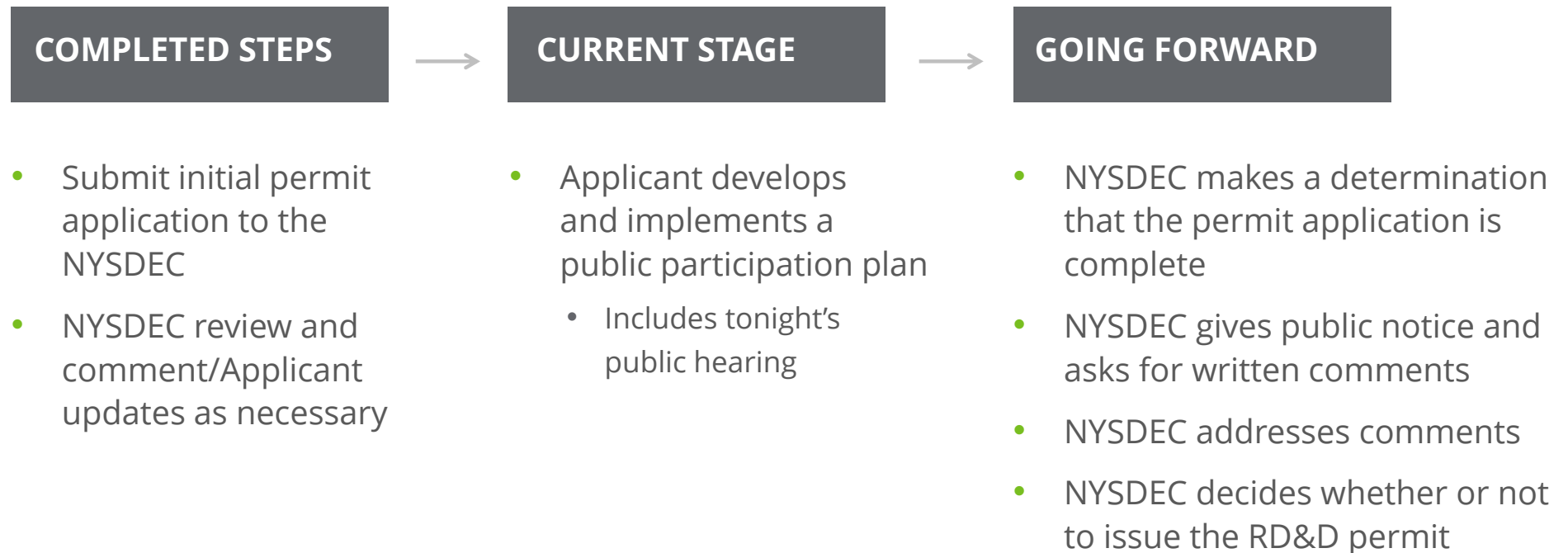
How might the project affect the surrounding community?

- **Air modeling shows no adverse impact on the local community**
 - Permit application includes modeling on potential releases
 - Potential emissions of PFOA will be below the NYSDEC ambient air quality standard
 - Potential emissions of other regulated pollutants will be below the NYSDEC ambient air quality standards
- **No new construction or other land disturbance at the facility**
- **No additional solid or dust emissions**
- **No additional noise, odor, or light from the facility**
- **No additional truck traffic**
- **No water discharges**

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What is the RD&D permit application process?



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Public Comments

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Public Comments – Guidelines

- **Call in via toll-free number: 1-866-652-5200**
 - If you have joined this evening's virtual hearing via the webcast, you will still need to call this number to make comments
 - Once dialed, please press *1 to join the queue to ask a question or to speak. You will be asked for your name and location
- Participants will be called on in the order in which their call is received
- All participants will be in listen-only mode until the operator calls their name
- Comments and questions will be limited to 2 minutes per person
- Each person will have only one opportunity to speak during this hearing
- Time permitting, questions submitted through the chat function will also be addressed
- **Important note:**
 - All questions asked this evening will be summarized, compiled, and addressed in writing by December 23 and made available on the website noted below
 - After this hearing, additional written comments may also be submitted using the website noted below

Visit the online document repository to view materials and submit written comments:

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Further Information

Where can I get more information and how can I deliver additional comments?

- Visit our online document repository at: <https://pages.cleanearthinc.com/new-york-ppp>
 - View detailed materials
 - Submit additional comments
 - View responses to this evening's questions (posted by December 23)

Contacts:

- | | |
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