



PFIZER INC. GROTON, CONNECTICUT STEWARDSHIP PERMIT PUBLIC INFORMATION MEETING

April 22, 2025

Presented by: Jing Chen, Sarah McQuade; DEEP Remediation Division

Russell Downey; Pfizer Inc.

Tim Carr (LEP); Down to Earth, LLC

Jackson Rowell; WSP

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 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

- Jing Chen, Project Manager, CTDEEP Remediation Division
- Sarah McQuade, RCRA Corrective Action Program, Remediation Division

Facility

- Russell Downey, Director – Global Engineering, Pfizer Inc.
- Tim Carr, Consultant - LEP, Down to Earth, LLC
- Jackson Rowell, Consultant, WSP

PERMIT OVERVIEW

Why we are here and Why a Stewardship Permit:

- To continue the property's cleanup progress and
- Set a path for redevelopment of the property in the future, should current Pfizer Research & Development use eventually change

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

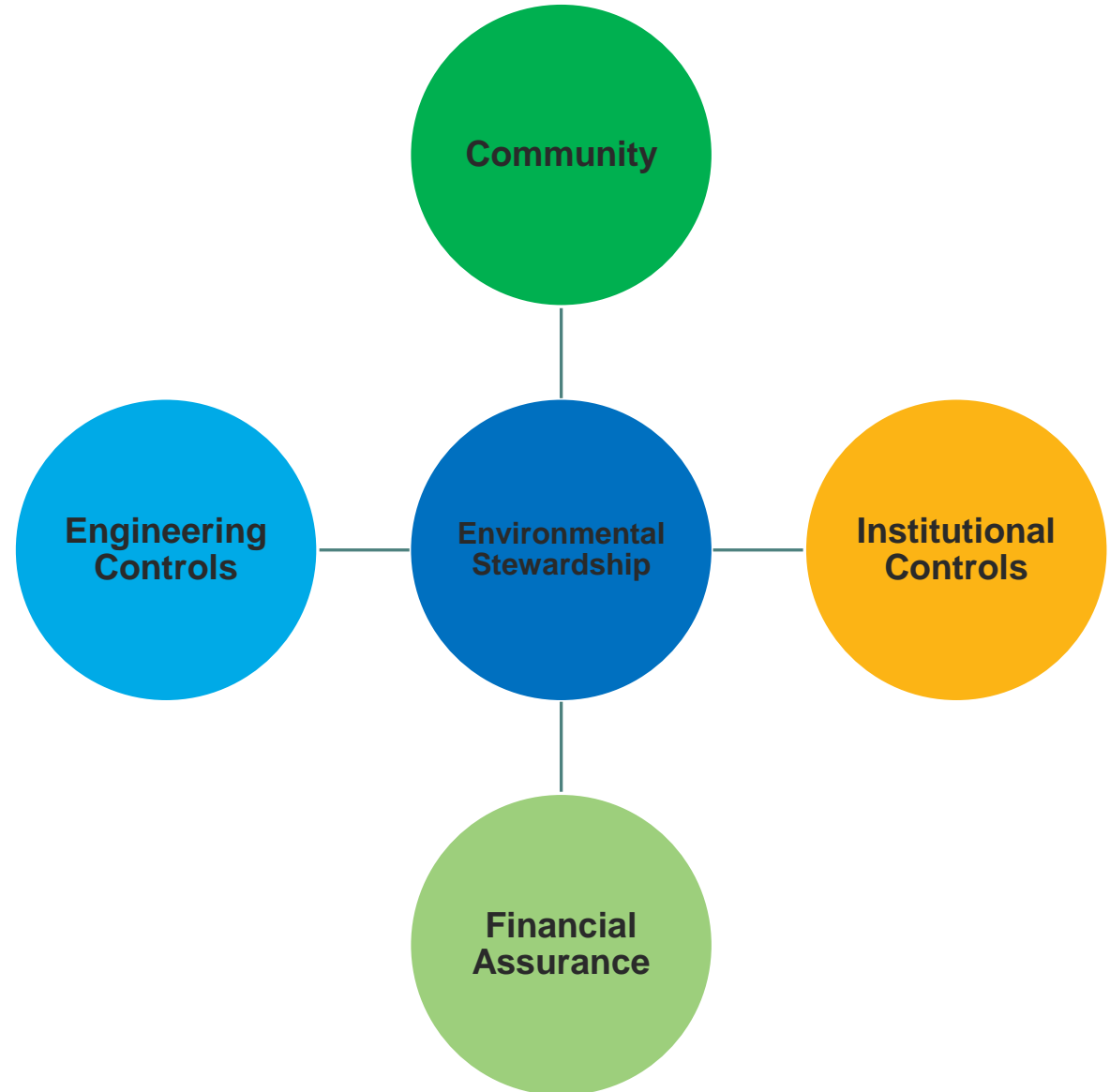


Preserve cultural & historic resources



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



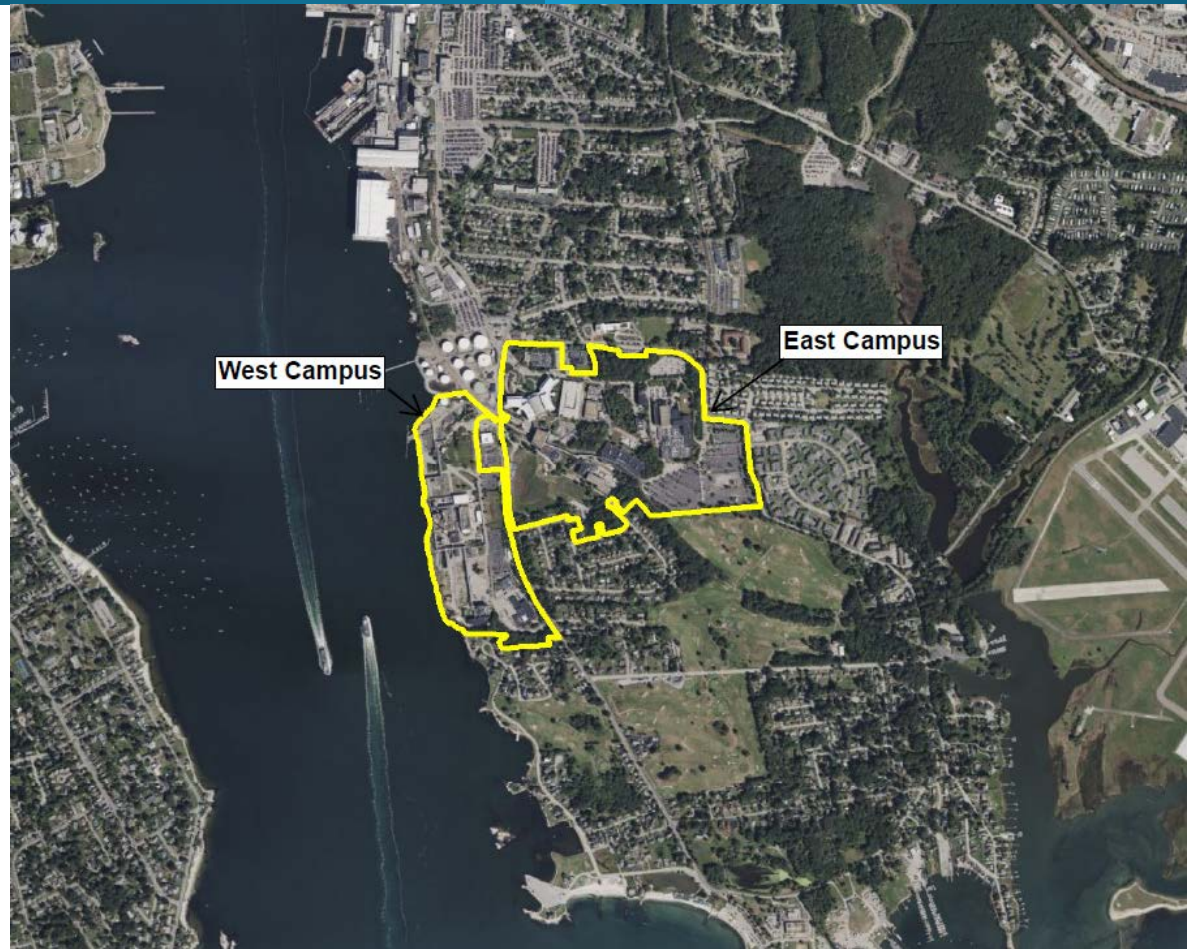
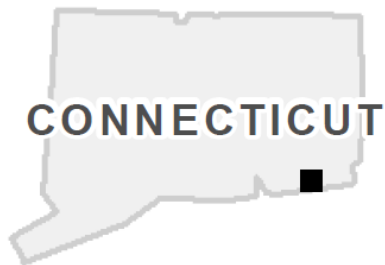
STEWARDSHIP PERMITS CONNECT THE COMMUNITY

FACILITY OVERVIEW - PROPERTY LOCATION

Site located at 445 Eastern
Point Rd, Groton, CT

The Facility is Currently owned
by Pfizer Inc.

The Site is divided into two
campuses: East Campus and
West Campus



FACILITY HISTORY

Extensive Industrial History:

- Atlantic Fish Cannery (1920s)
- Submarine production (1940s)
- Shipyard (early 1900s)
- Pfizer manufacturing (1946-2007)

Ground Engineering Activities:

- Rock Quarry Operations (circa 1911)
- Craneways for submarine and ship building
- Construction of sea wall
- Large area affected by Urban Fill (coal and coal ash)

East Campus

- Residential
- City Public Works Garage
- Gasoline Station
- Golf course
- Pfizer R&D (1960-present)
- Building 118 demolition (2014)

West Campus

- Shipyard (early 1900s)
- Rock quarry (circa 1911)
- Fish Cannery (1920s)
- Submarine manufacturing (1941-1946)
- Pfizer manufacturing (1946-2007)
- Building construction and demos (1946-present)
- Physical Plant (present)

ENVIRONMENTAL CONCERNS

West Campus (55.1 acres)

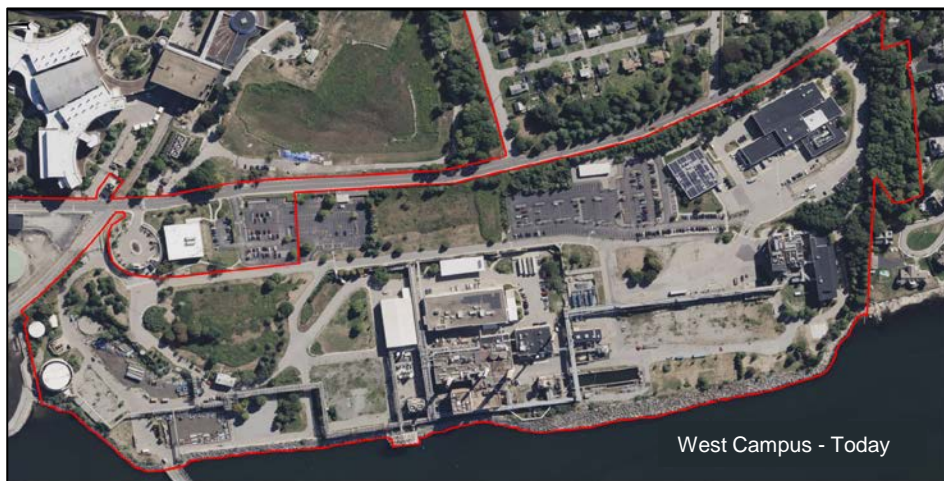
- 35 Solid Waste Management Units (SWMUs), 62 Areas of Concern (AOCs), 21 Release Areas (RELs)
- Contaminants of Concern: VOCs, SVOCs/PAHs, ETPH, metals, PCBs, Cyanide
- Investigation included soil, groundwater, subslab vapor, surface water sampling



West Campus – circa 1970

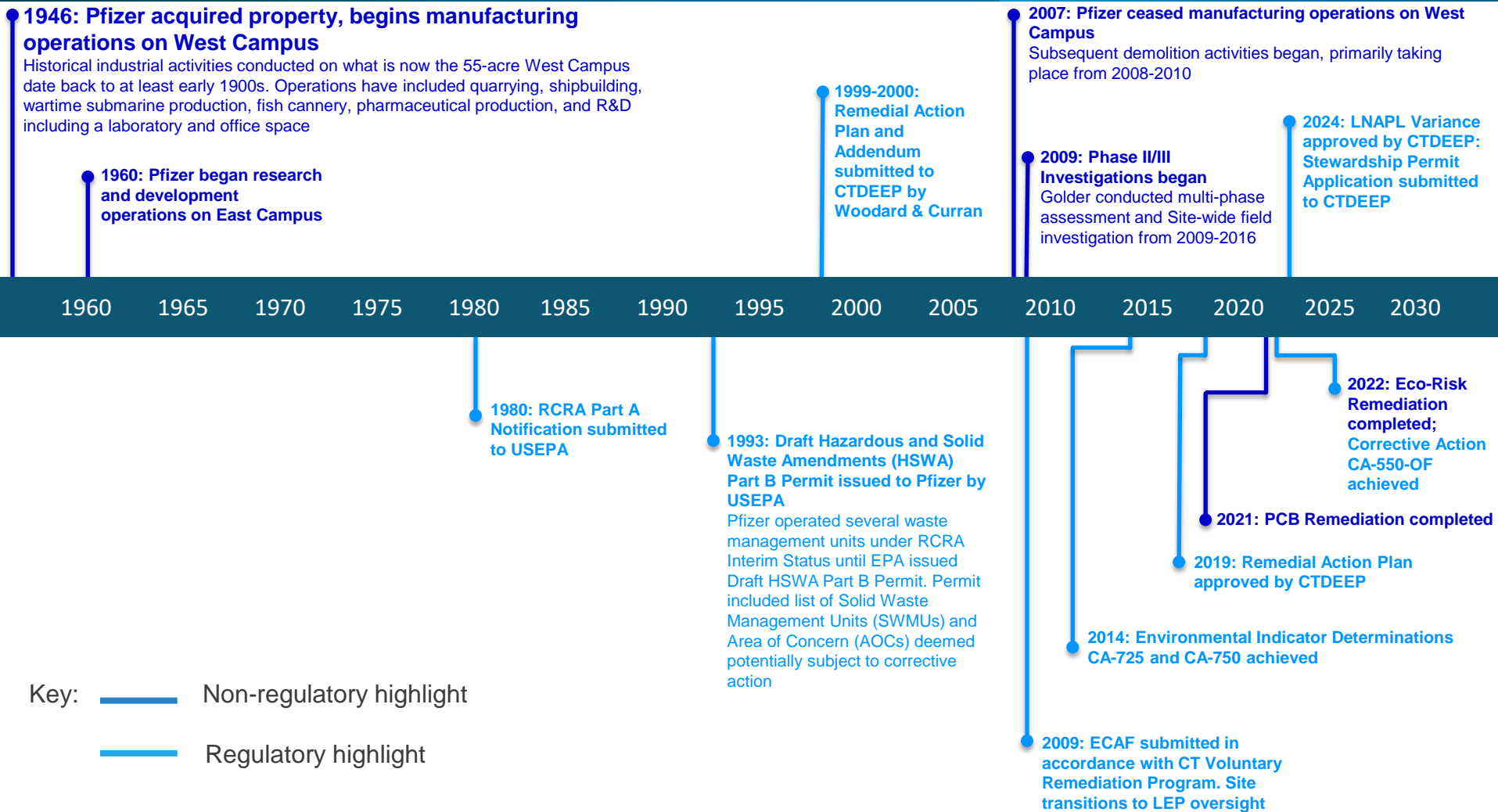
East Campus (109.4 acres)

- 7 SWMUs, 4 AOCs, 4 RELs
- Contaminants of concern: VOCs, SVOCs/PAHs, ETPH, metals
- Investigation included soil, groundwater, surface water, sediment sampling



West Campus - Today

TIMELINE OF INVESTIGATIONS & REMEDIATION



INVESTIGATIONS OVERVIEW

PHASED APPROACH (2010-2021)

- ECAF (2009)
- Phase II (2009-2010)
- Phase III (2010-2017)
- Supplemental PCBs (2014-2018)
- Eco Risk Focus (2021)

East Campus

- 16 background soil locations
- 46 borings (95 samples)
- 9 GW wells (69 samples)
- 5 SW locations (37 samples)

West Campus

- 347 borings (827 samples)
- 33 GW wells (441 samples)
- 4 LNAPL wells (36 rounds)
- Thames River (4 samples)



REMEDIES IMPLEMENTED

SUMMARY BY CAMPUS

West Campus

- PCB removal and installation of Engineering Control (EC)
- Impacted metals soil removal
- Inaccessible soil caps installed to mitigate ecological risk
- Ongoing groundwater monitoring
- Ongoing EC inspections and maintenance
- NAPL Variance approval
- EURs (pending)
- Stewardship Permit (pending)

East Campus

- Impacted mercury soil removal
- EURs (pending)
- Stewardship Permit (pending)



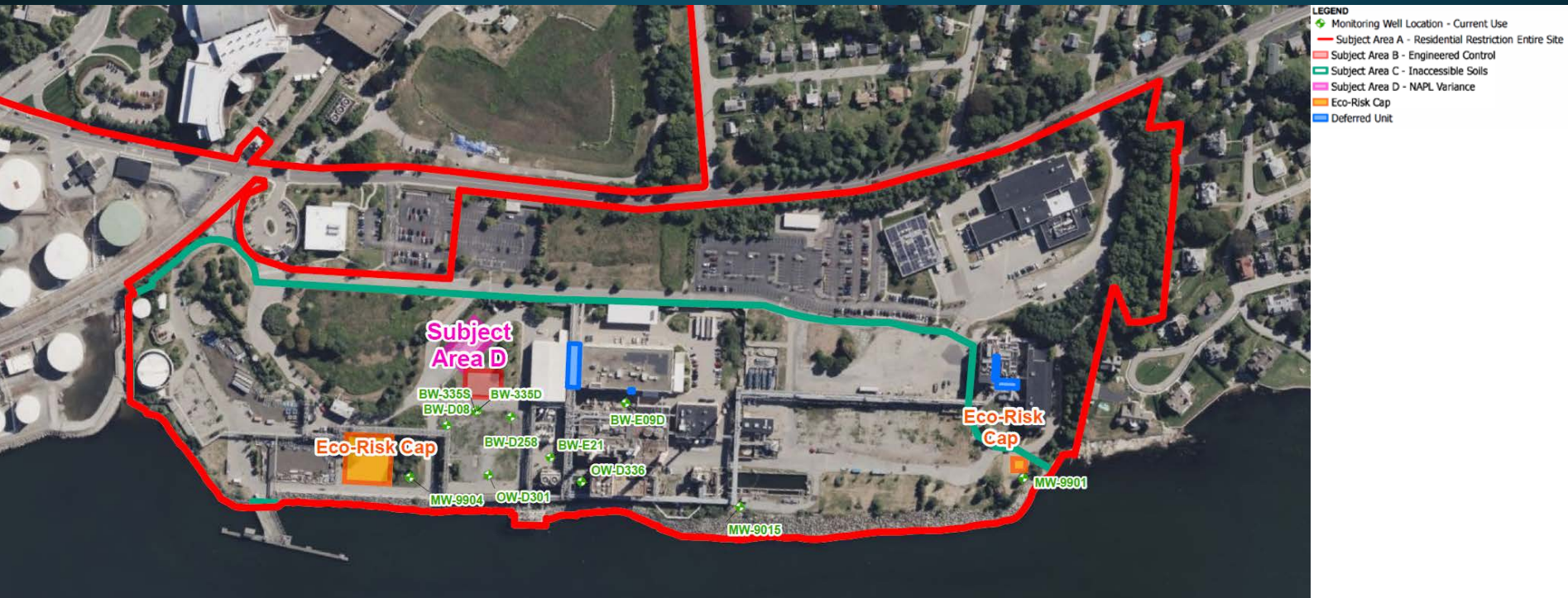
SITE USE LIMITATIONS



LEGEND

- Monitoring Well Location - Current Use
- Railroad
- Subject Area A - Residential Restriction Entire Site
- Subject Area B - Engineered Control
- Subject Area C - Inaccessible Soils
- Subject Area D - NAPL Variance
- Deferred Unit
- Eco-Risk Cap

SITE USE LIMITATIONS – WEST CAMPUS



ACTIONS REQUIRED IN STEWARDSHIP PERMIT

As outlined in Section III of the Stewardship Permit, Pfizer will conduct the following actions in compliance with the Permit:

- 1) Adhere to Schedule of Work
- 2) Maintain Financial Assurance
- 3) Submit Annual Progress Reports

Specific Actions include:

- Investigation of four Deferred Units and possible PFAS storage/use areas
 - Two Deferred Units (AOC-33, SWMU-30) will be completed following demolition of Building 185 expected to occur by 2026)
 - Evaluate firehouse practices
- Potential remediation of Deferred Unit(s), should investigation results warrant it
- Biannual inspections of Engineering Controls (ECs)
- OM&M of ECs as needed
- Long term groundwater and surface water monitoring

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

- **March 19, 2025-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 published on March 19th in The Day
 - Radio announcements aired 3-times on WXLM on March 19th
- **April 22, 2025-Public Informational Meeting held in virtual format**
- **May 5, 2025-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 **May 5, 2025**

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:

Jing.Chen@ct.gov or Russell.g.downey@pfizer.com

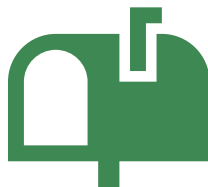
With a copy to DEEP.REMStewardship@ct.gov



Comments may be mailed to:

Jing Chen, 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

Or



Russell Downey, Director – Large Remediation Projects
Environmental Engineering and Legacy Sites
Global Engineering, Pfizer Inc.
66 Hudson Boulevard East
New York, NY 10001

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!