

An abstract background featuring a mix of blue, green, and brown brushstrokes, creating a textured, painterly effect. The colors are layered and blended, with the blue at the top, green in the middle, and brown at the bottom.

# Remediation Roundtable

March 26, 2024

# Remediation Roundtable Agenda

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- ❖ **Meet our New Deputy Commissioner**
- ❖ **Announcements**
- ❖ **Website Updates**
- ❖ **Updates:**
  - ❖ **Release-Based Clean Up Program Regulation Development**
  - ❖ **PFAS Action Plan**
  - ❖ **Brownfield Program Update**
- ❖ **Presentations:**
  - ❖ **Reasonable Confidence Protocols**
  - ❖ **CT's Environmental Justice Law: an update and rulemaking process**







## Deputy Commissioner Emma Cimino - Environmental Quality

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Emma Cimino is the Deputy Commissioner of Environmental Quality at the Connecticut Department of Energy and Environmental Protection (DEEP). She was appointed to this position in November 2023. As Deputy Commissioner, Emma provides leadership for the three bureaus within DEEP's EQ Branch - Air Management, Water Protection and Land Reuse (WPLR), and Materials Management and Compliance Assurance (MMCA).

Emma joined DEEP from the office of U.S. Senator Chris Murphy, where she led the Senator's work on energy, environment, and infrastructure issues, including work on the Bipartisan Infrastructure Law and the Inflation Reduction Act. Prior to the Senate, Emma worked as a Senior Policy Advisor at the National Governor's Association. She began her state service working for former Governor Dan Malloy, serving as a Director of Government Affairs. Emma also served as a Peace Corps Volunteer from 2009-2011, during which she taught English in the Philippines.

# Announcements

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Icelandic Lava

New Staff Member:

**Peter Lawler** has joined the Northwest District

New Role:

**Amanda Limacher** has taken over for Mark Lewis as the Division Brownfields Coordinator



# Announcements

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Scanning and uploading of all Remediation Division Records from the record center is complete!

- ★ Please remember to continue to submit documents electronically, **do not** send a duplicate hard copy
- ★ Check out our [webpage](#) for tips and tricks on how to find what you are looking for



# Announcements

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LEP Exam being offered May 16, 2024

- ✓ There are 24 people signed up to take the exam with 16 brand new registrants

RSR Wave 2 Training Course from 2023 available now through EPOC!!!

- [EPOC - RSR Wave 2 Course Videos 2023](#)

For License Renewals: Notices for renewals went out earlier in March and 73 licenses have been renewed to date. Deadline is June 1<sup>st</sup>!

# Webpage Updates

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## Laboratory Quality Assurance and Quality Control Guidance

- Revised RCPs effective May 10, 2024
- Reasonable Confidence Protocols Guidance Document
- RCP Lab Analysis QAQC Certification Form
- Project Communication Form
- RCP Equivalency Demonstration Form

## Release-Based Clean Up Program Regulation Development

## Release-Based Working Group Meetings

Release-Based Cleanup Program Stakeholder Engagement – Draft regulations published



# Webpage Updates

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[Licensed Environmental Professional \(LEP\) Application Forms](#)

[LEP Board 2024 Schedule of Meetings](#)

[Licensed Environmental Professional Program](#)

- [Approved Courses](#)
- [LEP Roster](#)

[Examples of Stewardship Permits Issued](#)

[List of Significant Environmental Hazards Reported to DEEP](#)

[State Brownfield Remediation and Liability Relief Programs](#)

[Contact Information and Other Sources of Brownfield Information](#)

# Questions or Comments?

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Please type your Questions into CHAT

If we need further clarification, we may take you  
off mute to speak

[www.ct.gov/deep/remediationroundtable](http://www.ct.gov/deep/remediationroundtable)





# CONNECTICUT'S TRANSITION TO RELEASE-BASED CLEANUP

Presented by: [Graham Stevens](#), Chief of Bureau of Water Protection and Land Reuse



# Benefits of Replacing Transfer Act



## **Private Market Drives Investigations**

Banks and buyers want to know environmental conditions of properties



## **Reduce the Number of DEEP controlled cleanups**

DEPP will empower LEPs far more than before to clean up releases



## **Multi-Tier Cleanup System**

Lower risk releases addressed quickly, without DEEP touchpoints

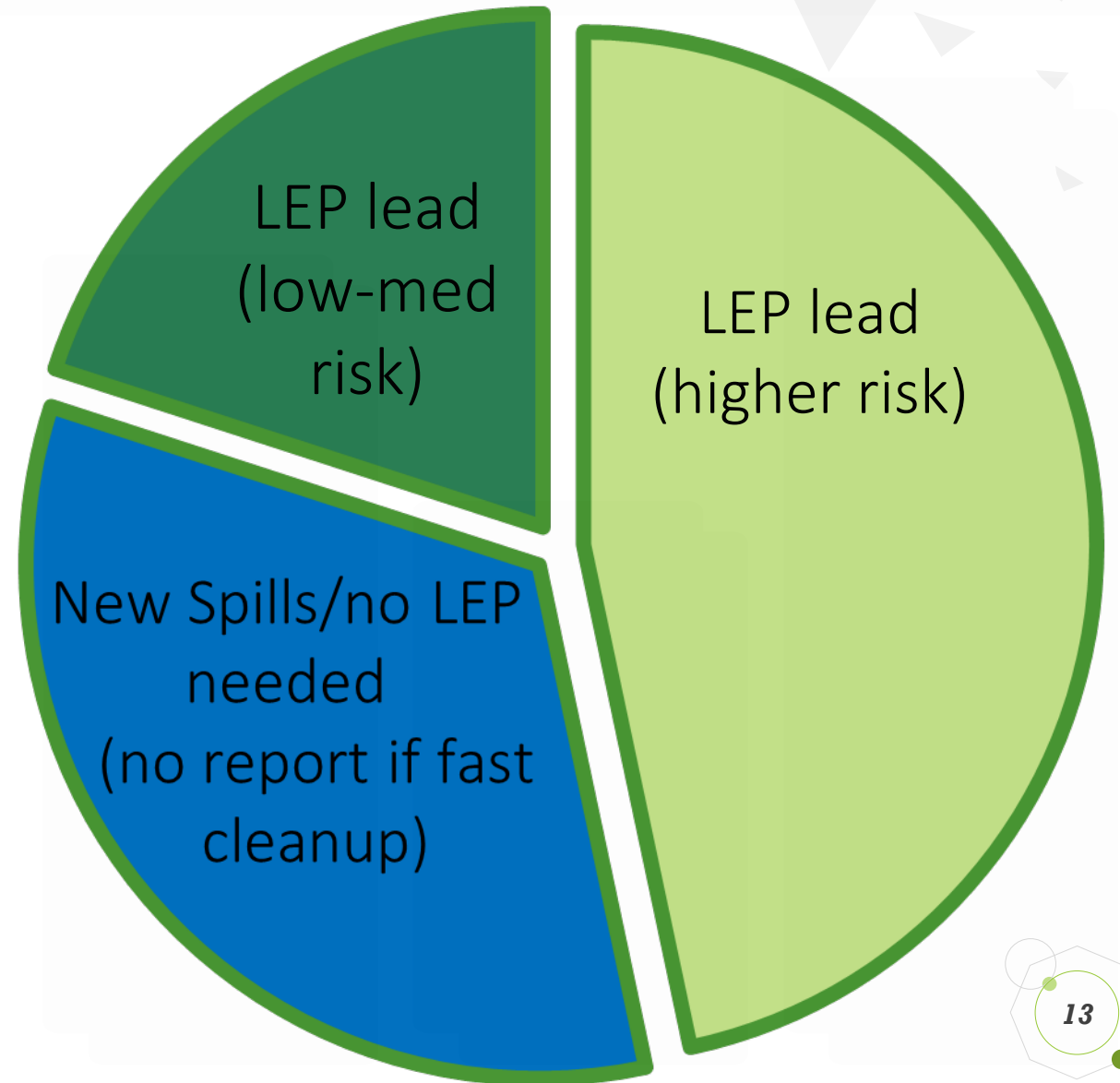
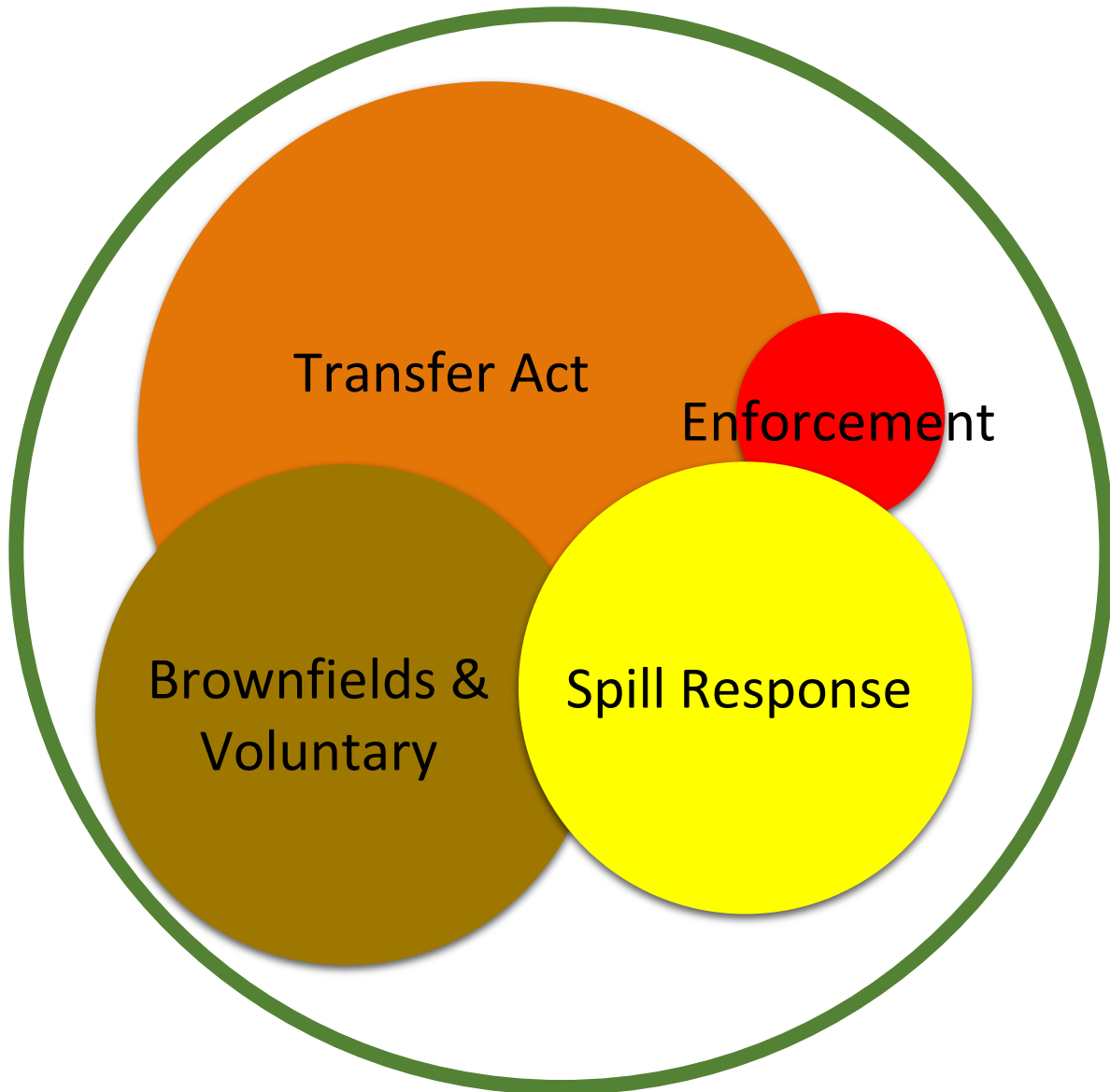
# Transfer Act – Stalled Cleanups and Redevelopments

Transfer Act Universe:

# of sites (approx)	# cleanup completed (approx)	Avg yrs to cleanup (approx)	Avg <i>new</i> sites/yr (approx)
3,000	300	completed sites: 7 yrs; otherwise unlimited	200

*Transfer Act stigma has left many properties behind*

# Scope of Cleanup Universe – Before and After





# HOW ARE THE RBCRS ORGANIZED?

Sections fit into 4 general categories:

## First Year

- Discovery
- Reporting
- Characterization
- Immediate Action

## Longer Term

- Tiers

## Cleanup Standards

- General
- PEPs & Home Heating Fuel
- Soil
- Groundwater

## Administrative

- Verifications & Certifications
- Closure documents
- Audits

# Tiers Checklist

Tier 1A. DEEP Oversight	Tier 1B. LEP Oversight Receptor Risk	Tier 2. LEP Oversight Controlled Risk	Tier 3. Monitoring Oversight
<p>Highest-risk releases. DEEP lead. FEWEST cases. Unknown risks to receptors; programmatic noncompliance. Complete closure or re-tier 2 years after Discovery.</p>	<p>Known risk to receptors (drinking water, vapor) must still be addressed or scoping/screening eco not completed RAP not completed Complete closure or re-tier 3 years after Discovery</p>	<p>Controlled risk, no receptor pathways Complete closure or re-tier 5 years after Discovery</p>	<p>Monitored Natural Attenuation (MNA) only Complete closure or reevaluate effectiveness of MNA 6 years after Discovery</p>



# Connecticut Release-Based Fee proposal

- Fee at time of tiering
- Higher fees for more stringent tiers
- Annual fees for releases yet to be closed
- Annual fee increases for each year tiered
- Increased fees for missing deadlines
- **Fee Structure Benefits:**
- No fees for quick remediation (<1 year)
- Uncomplicated / easy to implement for DEEP and all parties
- About half of Mass. fees

Tier	Annual Fees
Tier 1A	\$3,000
Tier 1B	\$1,500
Tier 2	\$1,000
Tier 3	\$500

# Residential Transactions

## CURRENT STATE – Discovery of Historical Fuel Oil Release

- Buyer is concerned about status of Underground Storage Tank or Above Ground Storage Tank
- Environmental investigation finds soil pollution and a “Spill Report” is sent to DEEP
- Cleanup is conducted to a level that is acceptable to “close” emergency response action
- Buyer wants approval from DEEP that liability is addressed – DEEP would require groundwater wells and at least one year of monitoring so parties have to make a decision

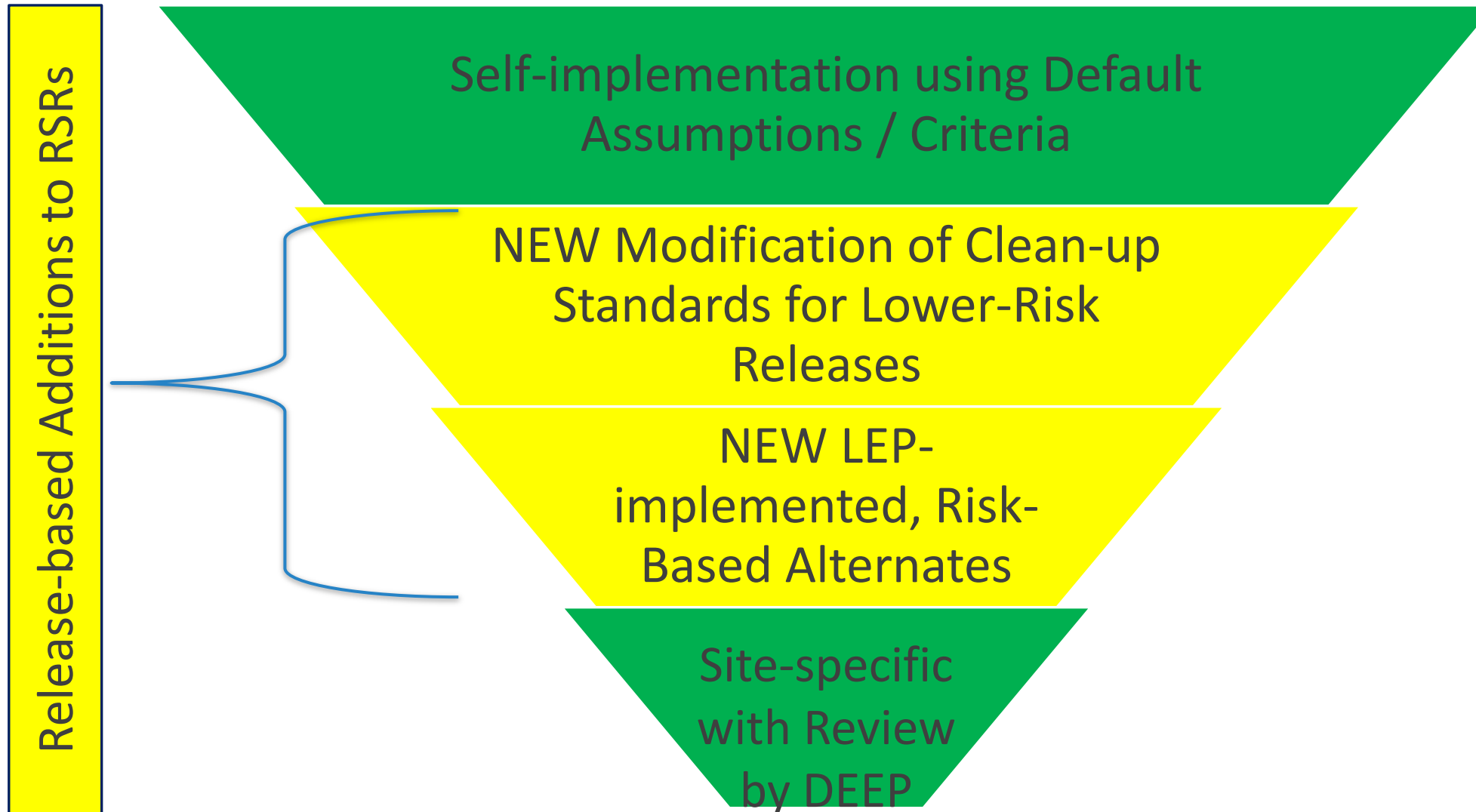


## FUTURE STATE – Discovery of Historical Fuel Oil Release

- Buyer is concerned about status of Underground Storage Tank or Above Ground Storage Tank
- Environmental investigation finds soil pollution and a “Spill Report” is sent to DEEP
- Cleanup is conducted to a level that is acceptable to “close” emergency response action
- Permitted Environmental Professional – same person that conducts work in CURRENT STATE “Certifies” that the release is closed pursuant to new cleanup regulations – No additional action necessary



# UPDATES TO CLEANUP REGULATIONS



## NEW “OFF-RAMPS”

- “Walk away” background numbers for certain common, naturally-occurring metals
- Potential buyer due-diligence can usually be conducted without “discovering” releases – unlike other states like New Jersey
- No reporting of discovered historical releases if cleaned up in first year
- New, less stringent cleanup numbers for:
  - Managed multifamily residential
  - Passive Recreation
- Expedited “Permit by Rule” Approach for that doesn’t require an EUR (institutional control) for:
  - Soil under paving or concrete (parking lots, roads, building foundations)
  - “Historically impacted material” (fill typically found in urban areas)

# ADDITIONS TO THE SOIL CLEANUP STANDARDS

## DIRECT EXPOSURE CRITERIA

### **Managed Multifamily Residential DEC**

A release may qualify if the parcel has more than 4 residential units and the parcel and residential units are managed by an association or professional property management company

Will require an EUR prohibiting the disturbance of soil by residents and active recreation without impervious cover

### **Passive Recreation Residential DEC**

Can be cleaned up to the passive recreation DEC if it is:

- (1) subjected to an EUR or
- (2) has a passive recreation conservation easement

Examples of passive recreation include: hiking trails, bike paths, horse trails



# USE OF PERMITS BY RULE

## HISTORICALLY IMPACTED MATERIAL

### **Applicability**

- Industrial/commercial sites only with confirmed presence of historically impacted material

### **Notification**

- A form prescribed by the Commissioner to notify the Department an owner is seeking cover under the permit by rule

### **Requirements**

- Maintain Industrial/Commercial use
- Cannot relocate historically impacted material parcel except as allowed by cleanup standards
- Notify any new owner or interest holder of the permit by rule
- Record an affidavit of facts on the land records
- Submit a closure report
- Conduct inspections every 5 years to demonstrate compliance

## MANAGING SOIL BENEATH PARKING LOTS, ROADS AND BUILDINGS

Inaccessible soil at a release area is not required to be remediated to the direct exposure criteria if the soil is located beneath concrete or bituminous concrete used for parking or vehicle travel or below a building foundation.

Similar administrative requirements as the historically impacted material permit by rule

- submit document to Commissioner that verifies compliance,
- record an affidavit of facts on the land records,
- inspect every 5 years and report to the Commissioner on condition of concrete

# Working Group Comments - Overview

Maintainer

Emergent  
Reportable  
Releases

Characterization

Filing Cabinet  
Exemption

Special Paths

Discovery

Audit

Attorneys  
Roles



## Define “Maintainer”

- Someone who **owns** or has **long term possession and control** of a parcel on which a release is located
- No obligations under RCBRs unless and until an existing release is “**newly discovered**”





# When is a “new release” an “Emergent Reportable Release”?

- Will add clarity regarding “**improved surfaces**”
- Will exclude **indoor** releases that have not reached soil
- Will add clarity regarding **secondary containment**



# Full Characterization

- Adjust so characterization to “**non-detect**” is not always required
- Add guardrails to definition so guidance (now or in future) cannot impose a “non-detect” standard for all releases
- Guidance **document** in progress, concepts to be shared with Working Group



## “Filing cabinet exemption”

- Clarify “data available or generated before the date when regulations are **first adopted**”
- Intent of exemption is to exclude **reports**, not just laboratory data



# Special Paths for Emerging Contaminants

- Limit when a discovery of **PFAS** or **road salt** in a drinking water well or water supply is considered an SER
- Normal use of road salt that does not impact drinking water is not a release
- Further clarify when reporting is necessary for discoveries of PFAS and road salt, particularly regarding **routine sampling** of wells by homeowners and water companies
- Create **special paths/early exits** that recognize source of PFAS and road salt is not always known and cannot be removed



# Discovery Section

- DEEP conceptually agrees with feedback and “redline” language provided by Subcommittee 1; consolidating “**actual knowledge**” and “**constructive knowledge**”
- Incorporate feedback, provided certain language adjustments may be needed to preserve intent



# Audit Timelines & No Audit Letters

- Balance anticipated **resource needs** and **volume** of releases with need to create **certainty** in the marketplace
- Provide process for “no audit letters”:
  - Release **Remediation Closure Report**
  - Request for letter is made **at time of submission**
  - Payment of a small **fee** may be required
- Will look closely at audit **timelines** to see if adjustments can be made



## Role of attorneys in discovery of an SER

- No intent to disturb Attorney/Client Privilege
- Clarify that attorneys' only obligations are to **notify** their clients of discovery and requirement to report





- ❑ Next Steps

- ❑ More information can be found here:

<https://portal.ct.gov/DEEP/Remediation--Site-Clean-Up/Comprehensive-Evaluation-and-Transformation/Release-Based-Clean-Up-Program-Regulation-Development>





# PFAS Action Plan Update

## Remediation Roundtable

**Meghan Lally, PFAS Lead/Environmental Analyst III, CT DEEP Remediation Division**  
**March 26, 2024**



# 2023 EPA PFAS ACTIONS STILL PENDING

*By December 31, 2023...*

- ∅ Final PFAS destruction and disposal guidance
- ∅ Final drinking water MCLs, monitoring and notification requirements
- ∅ Finalize aquatic life criteria



PFAS criteria remain a high priority for Remediation – updates are in development.

- Progress has slowed due to the need for criteria staff to support development of the Release-Based Cleanup Regulations.
- Continue to plan to shift from sum of 5 approach to criteria for individual compounds.



- Remediation / Site Clean-Up Main Page
- FAQs
- General Information
- Forms
- Guidance Documents
- Permits
- Site Characterization
- Remediation Roundtable
- Main Menu

Search Department of Energy & Environmental Protection

by Keyword

## PFAS Information for Municipalities

DEEP recognizes that municipalities will face capacity and financial challenges with respect to PFAS. To assist towns, DEEP developed the following guidance which contains PFAS information most pertinent to municipalities and links to available resources:

### PFAS Information for Municipalities

The following actions are requirements and recommendations that municipalities can take to reduce local PFAS risk:

1. [Report any PFAS releases immediately!](#) (Required by RCSA Sec. 22a-450-2(b)(1)(K))
2. [Stop using PFAS-containing Class B firefighting foam](#) (Required by CGS Section 22a-903a)
3. [Identify historic PFAS-release areas](#)
4. [Test at-risk drinking water wells](#)
5. [Procure PFAS-free cleaning products, waxes, and food service ware](#)

## Required PFAS Release Reporting

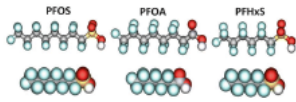
Aqueous Film Forming Foam (AFFF) and other PFAS-containing firefighting foams should never be discharged to the ground, storm drain, surface water, sanitary sewer or septic system. Any such releases must be immediately reported to DEEP. Releases can be reported to [DEEP's Emergency Response Unit](#) 24 hours a day at 866-DEP-SPIL (866-337-7745) or 860-424-3338.

**PFAS Information for Connecticut Municipalities**

Updated March 2024

**What are PFAS?**

"PFAS" stands for Per- and Polyfluoroalkyl Substances, a group of manmade chemicals that have been used in industry and consumer products since the 1940s. Due to their unique chemistry, PFAS have the ability to repel water, oil and grease as well as the ability to resist breaking down, even under high heat conditions.

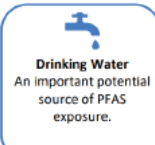

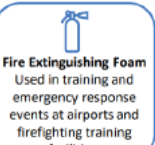
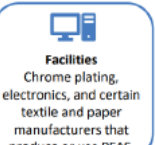
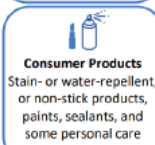

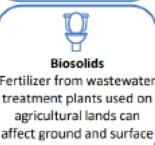



Examples of PFAS chemicals. This Photo by Unknown Author is licensed under CC BY.

PFAS can have negative health impacts on humans and animals, including increased risk of some cancers, reduced immune system response, and negative developmental and reproductive effects. As a result, Connecticut is working hard to protect public health and the environment by limiting new releases of PFAS to the environment and cleaning up existing PFAS contamination.

**Where are PFAS Found?**

Human health studies have shown that most people in the United States have had some exposure to PFAS. PFAS are found in a variety of household consumer products as well as used in many manufacturing and industrial operations. In addition, although PFAS-containing foam is now banned (with limited exceptions) in Connecticut, firefighting activities were historically a significant source of PFAS release to the environment. Once released into the environment, PFAS can move easily between air, water and soil, potentially contaminating nearby water supplies and food sources.

 <p><b>Drinking Water</b> An important potential source of PFAS exposure.</p>	 <p><b>Waste Sites</b> Soil and water at or near landfills, disposal sites, and hazardous waste sites.</p>	 <p><b>Fire Extinguishing Foam</b> Used in training and emergency response events at airports and firefighting training facilities.</p>	 <p><b>Facilities</b> Chrome plating, electronics, and certain textile and paper manufacturers that produce or use PFAS.</p>
 <p><b>Consumer Products</b> Stain- or water-repellent, or non-stick products, paints, sealants, and some personal care products.</p>	 <p><b>Food Packaging</b> Grease-resistant paper, microwave popcorn bags, pizza boxes, and candy wrappers.</p>	 <p><b>Biosolids</b> Fertilizer from wastewater treatment plants used on agricultural lands can affect ground and surface water.</p>	 <p><b>Food</b> Fish caught from water contaminated by PFAS and dairy products from livestock exposed to PFAS.</p>

Courtesy U.S. EPA. <https://www.epa.gov/system/files/documents/2025-10/final-virtual-pfas-explainer-508.pdf>

1

<https://portal.ct.gov/DEEP/Remediation--Site-Clean-Up/Contaminants-of-Emerging-Concern/PFAS-Information-for-Municipalities>

# MUNICIPAL PFAS HANDOUT- MARCH 2023 UPDATE

CTDEEP PFAS Toolkit for Municipalities March 2024

## How Do PFAS Enter the Environment?

PFAS enter the environment as a result of human activity, often unintentionally. For example, we now know that the release of PFAS-containing firefighting foams during past training activities or emergency responses can result in PFAS contamination in soil and water decades after release. Similarly, industrial activities that generate or utilize PFAS in the processes may release PFAS through standard air emissions and wastewater discharges. Unfortunately, PFAS do not naturally break down and traditional waste management systems were not specifically designed to destroy PFAS. Therefore, once PFAS enter the environment, it is very difficult to recapture and permanently destroy them. Preventing new releases of PFAS to the environment and cleaning up existing PFAS contamination are therefore critical to protecting public health and the environment.

## What Can Connecticut Municipalities Do?

### 1. Prevent Further Releases of PFAS to the Environment

**STOP** Use of PFAS-containing firefighting foam is against the law.

- Immediately stop using Class B firefighting foam containing PFAS. Using PFAS-containing firefighting foam, also known as 'AFFF', including in fixed fire suppression systems, is against Connecticut law (PA 21-191/CGS 22a-903a). Any release of PFAS-containing firefighting foam is subject to enforcement action at the discretion of CT DEEP. Any remaining stocks of AFFF should be properly disposed of as soon as possible.
- Purchase PFAS-free firefighting foam for municipal uses. In general, [fluorine-free foams \("F3"\) that have been certified by GreenScreen® for Safer Chemicals](#) or the Department of Defense (DOD) are acceptable for use in Connecticut. Municipalities may purchase replacement F3 from any vendor. Municipal fire departments can also purchase National Foam Universal F3 Green Firefighting foam through Dept. of Administrative Services (DAS) contract #21PSX0028A. Before refilling apparatus with F3, be sure to properly decontaminate the apparatus, in order to minimize PFAS contamination of the new foam. Guidance for [Draining and Rinsing AFFF from Municipal Onboard Systems](#) is available.

Releases of PFAS-containing foam and releases of PFAS-free foam from apparatus that previously held AFFF must be reported to DEEP Emergency Dispatch at 860-424-3338.

- Use PFAS-free cleaning products in municipal buildings. The Connecticut Green Cleaning program has approved use of [Green Seal](#) and [UL Ecolabo](#) certified cleaning products, many of which do not contain intentionally-added PFAS. Additional products can be found through the [GreenScreen Certification products list](#) and the [U.S. EPA's Safer Choice Program](#).
- Purchase PFAS-free food service ware for use in schools. Food service ware includes items such as containers, bowls, plates, trays, cups, lids, napkins, and take out containers. Purchase [BPI Certified products](#), which have been reviewed by an independent third-party in order to verify that they do not contain a variety of chemicals, including PFAS.

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CTDEEP PFAS Toolkit for Municipalities March 2024

## 2. Identify Potential PFAS Contamination Sources

Utilize available town records and local knowledge to develop an inventory of municipal properties where PFAS contamination may be present in soil or groundwater as a result of historic or current activities.

- Identify locations where AFFF may have been deployed. Airports, current and former firehouses, training areas, buildings with foam-based fire suppression systems, and crash sites are locations where PFAS-containing foam may have been accidentally or intentionally released.
- Identify locations where septage, sludge and/or biosolids-based fertilizers were land applied. Fertilizers produced from wastewater solids (i.e., "biosolids") may contain PFAS. In other states, areas where biosolids have been repeatedly applied to soil as a nutrient amendment are characterized by elevated PFAS levels in the soil and/or groundwater.
- Identify current and former waste disposal locations. Active and closed landfills as well as unofficial historical dumping locations may be local sources of PFAS contamination to groundwater.
- Identify locations of current or former manufacturing and/or industrial activity associated with PFAS use. Numerous industrial operations have been identified as potential PFAS generators or users including chemical manufacturing, cleaning product manufacturing, paint and coating manufacturing, plastics and resins manufacturing, metal machinery manufacturing, metal coating (including electroplating), electronics manufacturing, textile and leather producers, paper mills and paper product production, printing operations, carpet and upholstery cleaning, and drycleaning operations.

## 3. Test Drinking Water Near Potential PFAS Sources

Contaminated drinking water can be a significant source of PFAS exposure. Therefore, municipalities are encouraged to test town water supplies (and potentially private wells) located near potential PFAS sources (e.g., airports, landfills, firefighting training areas, and industrial PFAS users).

Sampling for PFAS requires special procedures to prevent accidental cross-contamination of the sample. Municipalities should consider hiring a trained professional to conduct sample collection and assist with data interpretation.

- Contract with an experienced environmental consultant to collect drinking water samples for PFAS analysis. Several firms are available to municipalities at DAS contract rates; refer to contract #18PSX0153 for details. Request a copy of the firm's standard operating procedures (SOP) for sample collection for future reference if needed.

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CTDEEP PFAS Toolkit for Municipalities March 2024

- Utilize a CT DPH Certified laboratory for PFAS analysis. CT DPH maintains a list of [laboratories that are State-certified to conduct analysis of PFAS](#) in drinking water (i.e., potable water) samples. Laboratory analytical services may be available at DAS contract rates; refer to contract #19PSX0095 for details. Laboratory services will provide sample collection containers and detailed instructions. Analytical costs vary by laboratory; contact the laboratory in advance to request a cost estimate. Note that quality control samples, including field blanks and duplicates, typically cost the same as standard sample. Expect at least 2-3 weeks from submission to receive the results.

Request analysis using EPA Method 533 in order to evaluate all 10 PFAS for which DPH has established a drinking water action level.

- Compare sample results to the CT DPH Drinking Water Action Levels for PFAS. The Connecticut Department of Public Health has established Drinking Water Action Levels (DWALs) for ten PFAS compounds. DWALs may be established for additional PFAS compounds and these actions levels may be adjusted in the future as new information becomes available.

Connecticut PFAS Drinking Water Action Levels		
Abbreviation	Full Chemical Name	DWAL (ppt or ng/L*)
6:2 Cl-PFESA	6:2 chloropolyfluoroether sulfonic acid	2
8:2 Cl-PFESA	8:2 chloropolyfluoroether sulfonic acid	5
HFPO-DA ("Gen X")	Hexafluoropropylene oxide dimer acid	19
PFBA	Perfluorobutanoic acid	1,800
PFBS	Perfluorobutane sulfonic acid	760
PFHxA	Perfluorohexanoic acid	240
PFHxS	Perfluorohexane sulfonic acid	49
PFNA	Perfluorononanoic acid	12
PFOA	Perfluorooctanoic acid	16
PFOS	Perfluorooctane sulfonic acid	10

If PFAS are detected above a DWAL, send a copy of the results to your local health department and [DEEP.PFAS@ct.gov](mailto:DEEP.PFAS@ct.gov). Upon receipt, staff will provide further guidance.

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CTDEEP PFAS Toolkit for Municipalities March 2024

## 4. Respond to PFAS Contamination in Drinking Water

If PFAS contamination is discovered in a town-owned drinking water source:

- Consider providing an alternative drinking water source such as bottled water. If PFAS are detected above DWALs in a town-owned drinking water well, it is recommended that the town provide an alternate water source such as bottled water. The state DAS contract (#18PSX0325AA) for bottled water delivery is available for municipal use.
- Consult with a water treatment professional to identify PFAS removal options. Effective treatment options for reducing PFAS in well water include the use of primarily two treatment technologies: granular activated carbon (GAC) and point of use reverse osmosis (RO). Treatment effectiveness depends on correct system sizing and proper maintenance. Consultation with a professional is recommended. The state DAS contract for potable water treatment installation and maintenance (Contract #22PSX0029) is available for municipal use.

Contact the DEEP Remediation Division for guidance prior to conducting a PFAS investigation: [DEEP.PFAS@ct.gov](mailto:DEEP.PFAS@ct.gov) or 860-424-3061.

## State Contracts Available for Municipal Use

State DAS contracts are available for municipal use. Enter the contract number in the green search box at this link: [CTsource Contract Board](#)

Contract Name	Contract Number	Expiration Date	Purpose
Cooler Rental, Delivery of Bottled Water and Related Supplies	18PSX0325AA	May 2025	To provide bottled water until treatment can be installed
Environmental Investigation, Remediation and Project Management Services	18PSX0153	Feb. 2025	To obtain a consultant to support environmental investigation or cleanup.
Environmental Analytical Services	19PSX0095	Oct. 2025	State-negotiated analytical costs for PFAS sample analysis
List of Permitted Spill Cleanup Contractors	<a href="#">Current List</a>	N/A	A list of spill-cleanup contractors in Connecticut.
National Foam Universal F3 Green Firefighting foam	21PSX0028A	Apr. 2025	Purchase of PFAS-free firefighting foam at the state-contracted rate
Public and Private Water Quality Management and Oversight	22PSX0029	Feb. 2026	Water sampling/testing; water system treatment installation, repair, maintenance, and decommissioning
Removal and Disposal of Hazardous Waste Streams	22PSX0030	Aug. 2025	PFAS-containing firefighting foam and decontamination rinsewater disposal.

## DEEP PFAS Contact Information

Still have PFAS-related questions? We are here to help! Email [DEEP.PFAS@ct.gov](mailto:DEEP.PFAS@ct.gov), call (860) 424-3061 or visit the DEEP PFAS Homepage: [Per- and Polyfluoroalkyl Substances \(ct.gov\)](#)

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## - Important Changes:

- Updated Drinking Water Action Levels
- Updated state contracting information
- Use Method 533 for drinking water analysis
- Contact the PFAS coordinator (not district sup.)

## - Other Changes:

- Highlighted key points with callout boxes
- New information regarding release prevention and source ID

# LABORATORY UPDATES

- ✓ EPA Finalized 'New' CWA PFAS Analytical Methods:
  - Method 1633 – 40 PFAS; soil, sediment, non-potable groundwater, surface water, sludge, tissue
  - Method 1621 – AOF, aqueous matrices (\*wastewater)
  
- ✓ DPH Environmental Laboratory Certification Program currently certifying for Method 1633; 1621 planned
  
- ✓ DAS Contract 19PSX0095 Environmental Analytical Services to Include Aqueous, Liquid Waste, Soils Sampling and Testing
  - Contract extended through October 2025; available for municipal use
  - New pricing for PFAS methods (Exhibit B):

○ EPA Method 533	○ Total Oxidizable Precursor (TOP) Assay	○ OTM-45
○ EPA Method 1633	○ Total Organic Fluorine (TOF) Assay	○ OTM-50
○ EPA Method 1621	○ Extractable Organic Fluorine (EOF) Assay	



# 2024 LEGISLATIVE SESSION PFAS HIGHLIGHTS

## SB 290 – AAC Minor Revisions to Environment Related Statutes

- *Includes modifications to Toxics in Packaging language regarding PFAS in food packaging*
- Status: 3/22/24 Legislative Commissioner's Office (LCO) referred to Office of Legislative Research (OLR) and Office of Fiscal Analysis (OFA)

## SB 292 – AAC The Use of PFAS in Certain Products

- *Substitute language added by Environment Committee (added schools to testing account eligibility, added biosolids to product list)*
- Status: 3/20/24 filed with LCO

## SB 338 – AA Expanding the Eligibility for Grants to Remove PFAS from Fire Apparatus

- Status: 3/21/24 LCO referred to OLR and OFA

## SB 378 – AAC A PFAS Background Data Study for the Purpose of Economic Development

- Status: 3/22/24 filed with LCO

## HB 5290 – AAC DPH's Recommendations Regarding Various Revisions to the Public Health Statutes

- *Includes modifications related to private well data sharing by DPH*
- Status: 3/25/24 filed with LCO



This Photo by Unknown Author is licensed under [CC BY-SA-NC](https://creativecommons.org/licenses/by-sa/4.0/)



# NORTHEAST CONFERENCE THE SCIENCE OF PFAS: Public Health & The Environment

**Tuesday to Thursday - April 2 to 4, 2024**

**Best Western Royal Plaza Hotel & Trade Center  
Marlborough, MA**

**Join Us!**

**Three Days!**

Attending? Say  
hello to Meghan,  
Ryan, Kelsey and  
Normandy!!

Conference Website: <https://newmoa.org/event/pfas-science-conference-2024/>

Registration:

[whova.com/web/92VPcfWHe1qwRTYzlg7gXtyYlo-Sb0Vp%40FRBRcQQoSU%3D/Registration/](https://whova.com/web/92VPcfWHe1qwRTYzlg7gXtyYlo-Sb0Vp%40FRBRcQQoSU%3D/Registration/)





# QUESTIONS?

**Meghan Lally**

PFAS Lead

Environmental Analyst III

CT DEEP Remediation Division

[Meghan.Lally@ct.gov](mailto:Meghan.Lally@ct.gov)

860.424.3061

General Inquiries:

[DEEP.PFAS@ct.gov](mailto:DEEP.PFAS@ct.gov)

[DEEP PFAS Webpage](#)



[Press Release: Attorney General Tong sues 28 chemical manufacturers for knowingly contaminating Connecticut water and natural resources, and harming public health with toxic PFAS “Forever Chemicals”](#)





# BROWNFIELD PROGRAM UPDATES

**Presented by: Amanda R. Limacher, Brownfields Coordinator  
Bureau of Water Protection and Land Reuse – Remediation Division**

# DEEP CERCLA 128(a) BROWNFIELD GRANT PROGRAM

---

- President Biden's Bipartisan Infrastructure Law (BIL)
- DEEP administers in accordance with EPA Subaward Policy
- Open to non-profits and municipalities
- Environmental assessment or remediation
- BIL funding up to \$800K expected annually until 2027





## DEEP CERCLA 128(a) BROWNFIELD GRANT PROGRAM

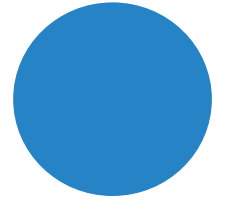
park space

greenways

recreational space

flood mitigation

other non-profit purposes



# DEEP CERCLA 128(a) BROWNFIELD GRANT PROGRAM

---

Maximum request per application:

\$250,000 for assessment

\$250,000 for remediation

No minimum request

Special consideration for projects located in Environmental Justice Communities

DEEP committed to awarding 60% to EJ projects



# DEEP CERCLA 128(a) BROWNFIELD GRANT PROGRAM

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**Round 1** – September 2023

Notified awardees – February 2024

Public announcement – TBD

**Round 2** – anticipated Summer 2024







## DEEP CERCLA 128(a) BROWNFIELD GRANT PROGRAM

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- **Contact Information**
- Amanda Limacher, Brownfields Coordinator
- [amanda.limacher@ct.gov](mailto:amanda.limacher@ct.gov)
- Meena Mortazavi, Environmental Analyst
- [meena.mortazavi@ct.gov](mailto:meena.mortazavi@ct.gov)
- Brownfields Program
- [DEEP.brownfields@ct.gov](mailto:DEEP.brownfields@ct.gov)

# Questions or Comments?

---

Please type your Questions into CHAT

If we need further clarification, we may take you  
off mute to speak

[www.ct.gov/deep/remediationroundtable](http://www.ct.gov/deep/remediationroundtable)





# QA Workgroup Updates

RCPs, guidance docs, & more

March 26, 2024

Roni Tanguay, Environmental Analyst



# Agenda

Updated RCPs Posted

What's New in the RCPs

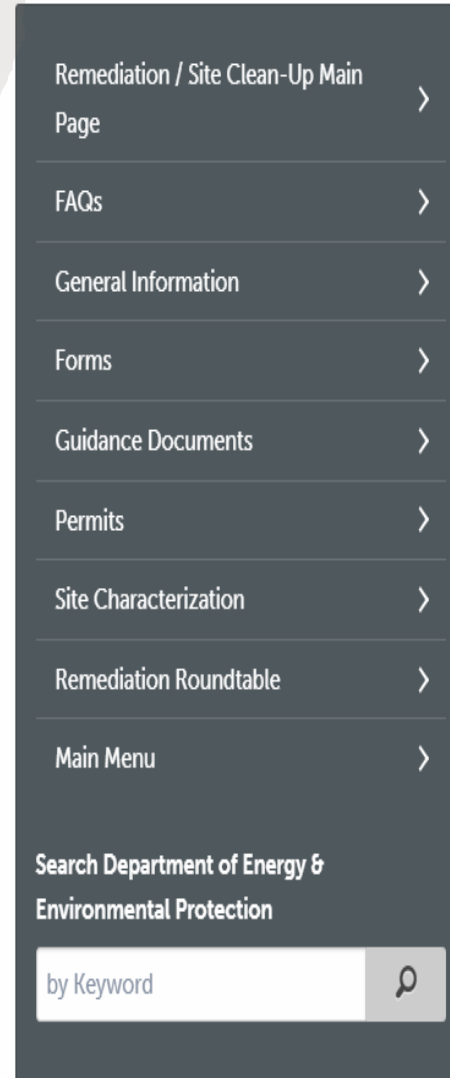
Other QA Updates

What's Next

Questions

# New RCPs Posted!

- New versions of the RCPs now live on the [DEEP QA Page](#)
- Effective date **May 10, 2024**
- Webpage updates also include:
  - QA workgroup response to comments
  - Table highlighting changes to RCPs
  - Updated forms
  - Update RCP Guidance Document



The screenshot shows a dark grey navigation menu with the following items: Remediation / Site Clean-Up Main Page, FAQs, General Information, Forms, Guidance Documents, Permits, Site Characterization, Remediation Roundtable, and Main Menu. Below the menu is a search bar with the text 'Search Department of Energy & Environmental Protection' and a search icon. The search bar contains the text 'by Keyword'.

## Quality Assurance and Quality Control

The [Remediation Standard Regulations](#) (RSRs) include numeric criteria used to determine if a potential risk to human health or the environment may exist. The results of analyses performed on environmental media (e.g. soil, water, air) are used to determine if remediation is needed to minimize risk to human health and the environment. Because of the complex nature of environmental media, limitations of analytical methods, characteristics of analytes, and human error, the results of environmental analysis may contain an element of uncertainty and, in some cases, may be significantly biased. Therefore, data may not always be representative of the accurate concentrations of the analytes in the environmental media. Thus, an evaluation of the quality of the analytical data in relation to its intended use is important in order for the environmental professional to make decisions which are supported by data of known and sufficient quality. Therefore, it is important that both environmental professionals and analytical laboratories implement Quality Assurance and Quality Control (QA/QC) methodologies.

The use of QA/QC parameters provide a level of confidence in the quality of the acquired data. DEEP refers to this level of data confidence as "Reasonable Confidence". "Reasonable confidence" is achieved when the laboratory has followed the [Reasonable Confidence Protocols](#) (RCPs), has described non-conformances, if any, and has provided adequate documentation for a particular dataset to allow the environmental professional or responsible party (i.e., data users) to make judgements regarding data quality for its intended purpose. The concept of Reasonable Confidence and the Reasonable Confidence Protocols are further supported by RCSA section 22a-133k-1(h)(1)(B).

DEEP is seeking feedback on the following, updated draft Reasonable Confidence Protocols for Laboratory Analytical Methods. Please send comments to [Veronica Tanguay](#) and [Allison Forrest-Laiuppa](#) by **June 16, 2023**.

[Method 6010 Trace Metals ICP-AES](#)  (redline version  )

# Which RCPs were updated?

## NOTE!

- RCP TO-15 has not been updated *yet*, but it will be in the future &
  - RCP 8021 has been retired

## Metals

- 6010 – Metals by ICP-OES
- 6020 – Metals by ICP/MS
- 7000/7010 – Metals by GFAA/FLAA
- 7196 – Hexavalent Chromium by spectrophotometry
- 7470/7471 – Mercury by CVAA

## Other

- 9010/9012/9014 – Cyanide by distillation and colorimetry

## Organics

- 8081 – Pesticides by GC
- 8082 – PCBs by GC
- 8151 – Herbicides by GC
- 8260 – VOCs by GC/MS
- 8270 – SVOCs by GC/MS
- CT ETPH – Extractable Petroleum Hydrocarbons by GC/FID
- EPH – Extractable Petroleum Hydrocarbons by GC/FID
- APH – Air Petroleum Hydrocarbons by GC/MS
- VPH – Volatile Petroleum Hydrocarbons by GC/PID/FID
- TO-13 – PAHs in air
- TO-17 – VOCs in air



# What's New in the RCPs



## Updates to reporting limits

Review “Typical Reporting Limit” tables for updates\*



## Target analytes added to

8151  
8270  
8260  
TO-13



## Dual column results

Report the higher of the two results



## Matrix Spikes

For **Metals** analyses, now **required** for all solid matrices  
  
Strongly recommended for all matrices, for all analyses



## Record Retention

Minimum 5 years



## QC Acceptance Criteria

Most criteria have remained the same, some have changed, review closely!



## Holding Times

PCBs holding time updating from “7 days to extraction” to “1 year”



## Extraction Methods

Solid-phase extraction (SPE) and solvent dilution extraction have been added to applicable RCPs



## RCP Cert Form

Updated RCP Certification Form<sup>+</sup>  
  
<sup>+</sup>Includes note regarding temperature requirements

\*These tables are meant to serve as guidance for what DEEP typically expects to see in reports. DEEP does not dictate what RLs laboratories **must** use. If laboratories can confidently report lower RLs, that is acceptable. RLs should **not** be above respective criteria.

# Thanks to the RCP Team!

---

- 🙌 Allison Forrest-Laiuppa, DEEP Corrective Action
- 🙌 Daren Damboragian, Pace Laboratories
- 🙌 Christian Merchant, Pace Laboratories
- 🙌 Rebecca Merz, Phoenix Laboratories
- 🙌 Michael Ainsworth, HRP
- 🙌 Bill Flick, WSP



# Other QA Updates

## Workgroup Expanded

- More consultants, lab professionals, and data validation specialists have joined to work on next round of guidance document updates

## RCP Guidance Document

- Language updated to agree with RCP updates
- Forms updated to improve functionality
- Posted to the [QA Webpage](#)

## Data Quality Assurance/Data Useability Guidance Document

- Language update to agree with RCP updates
- Worksheets updated for improved functionality
- Reference tables updated
- Certain reference tables removed and converted to stand alone assessment tools
- Posted to the [QA Webpage](#)

## Petroleum Guidance Document

- Original draft posted for public comment in 2015
- QA Workgroup has updated 2015 draft incorporating public comments
- Will be going through internal review process



# What's Next...



## DQA/DUE Training

- Updating training materials
- Organize training for 2025

## PFAS RCP

- DEEP collaborating with MA DEP on establishing MCP CAM and DEEP RCP for EPA Method 1633



# Thanks to the QA Workgroup!

- The QA Workgroup has tackled a lot of work in 2023 and there's more work to be done!
- Thanks to:
  - Allison Forrest-Laiuppa, DEEP Corrective Action
  - Kevin Vanderveer, DEEP Remediation
  - Daren Damboragian, Pace Laboratories
  - Christian Merchant, Pace Laboratories
  - Rebecca Merz, Phoenix Laboratories
  - Jeffrey Smith, CET Laboratories
  - Christina Venable, Ramboll
  - Tina Clemmey, EnSafe
  - Elizabeth Denly, TRC



A stylized, colorful landscape illustration. The top right corner features a bright yellow sun. Below it is a large, vibrant green hill with a dark blue outline. To the left, a smaller, light green hill is visible. The bottom of the image is a light blue area representing water, also outlined in dark blue. The overall style is simple and graphic.

Questions?





# Environmental Justice

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Connecticut Department of Energy and Environmental Protection ♦ March 26, 2024



**Annie Decker, Esq.**

**Chief of Legal, Planning, and  
Regulatory Affairs**

**Sarah Huang, PhD**

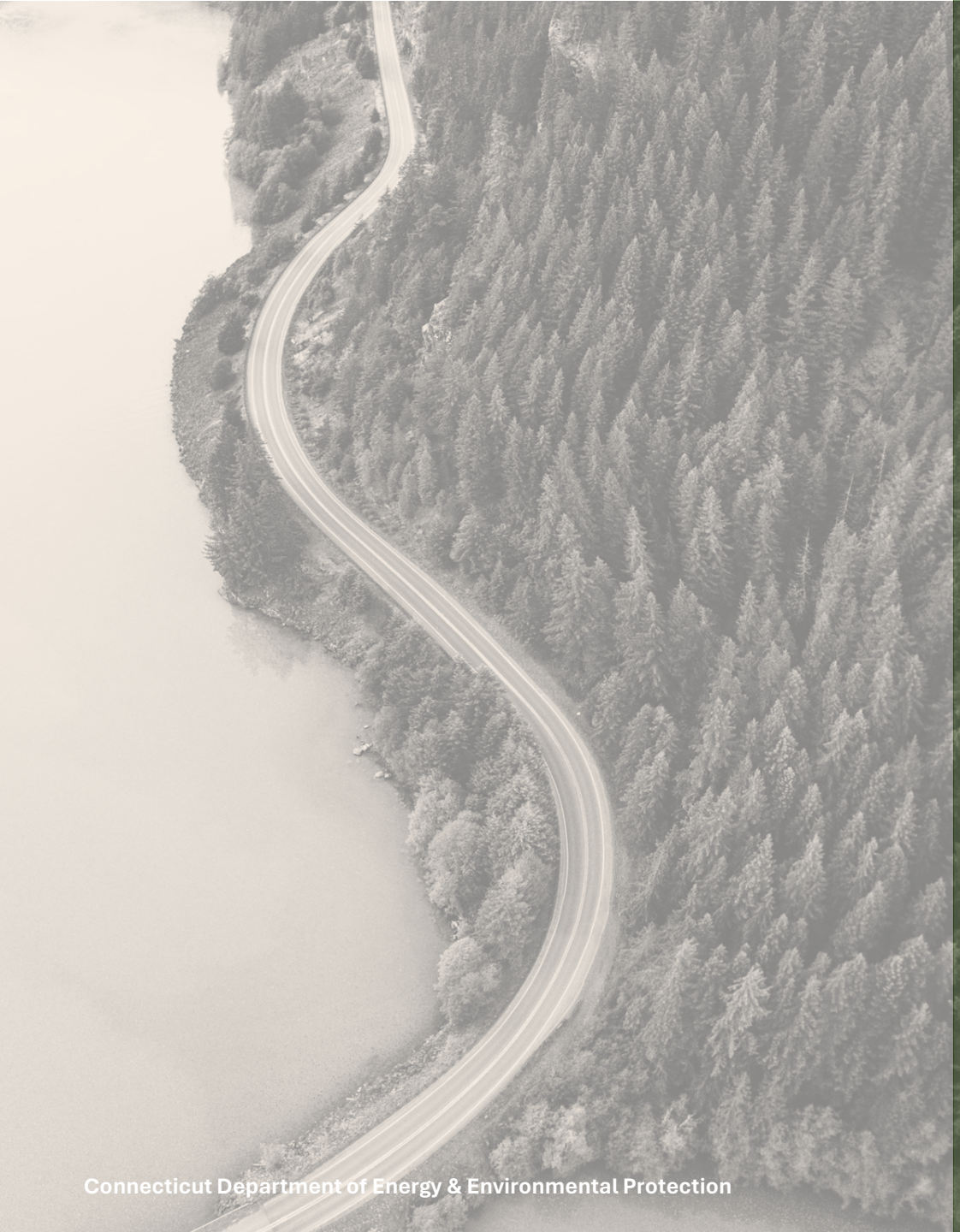
**Director, Office of Equity and  
Environmental Justice**

**Eliza Heins, Esq.**

**Staff Attorney, Environmental  
Quality Branch**

**Edith Pestana, MS, MPH**

**EJ Program Administrator, Office  
of Equity and Environmental  
Justice**



# Presentation Roadmap

History of Environmental Justice Law

Environmental Justice and the Permitting Process

Newest Changes to the Environmental Justice Law

Environmental Justice Mapping and Tools

Cumulative Impacts Assessment Regulations  
Development



No segment of the population should, because of its **racial**, **ethnic**, or **economic** status, bear a disproportionate share of the **risks** and **consequences** of environmental pollution or be denied equal access to environmental **benefits**.

[Environmental Equity Policy](#), 1993

# An Act Concerning Environmental Justice Communities

Connecticut General Statutes § 22a-20a

**Environmental  
Justice Community**  
definition



**Affecting Facilities**  
definition



**Public Participation**  
requirement



**Community Economic  
Benefit Agreement**  
option



[Public Act 08-94](#), codified 2009

# Law Expanded in 2020

## Community Economic Benefits Agreement

- Required if 5 or more affecting facilities
- Previously at discretion of local elected town official

## Local & State Elected Officials

- Written notice

## Neighborhood & Environmental Groups

- Written notice
- English and language(s) spoken by 15% or more of population within ½ mile

[Public Act 20-6](#), effective 2020



# 2023 Changes

**Public Participation** expansions

New **Community Environmental Benefits Agreements** requirements

**Cumulative Impacts Assessments**



[Public Act 23-202](#), effective October 1, 2023

# Environmental Justice Communities

1. census block groups, for which **30%** or more of the population consists of low-income persons who are not institutionalized and have an income **below 200%** of the federal poverty level

2. **distressed municipalities**

[Distressed Municipalities \(ct.gov\)](https://www.ct.gov/dep/cwp/view.asp?a=2589&q=1)





# Affecting Facilities

**electric generating facilities**

with a capacity greater than 10 megawatts

**sludge or solid waste incinerators or combustors**

**sewage treatment plants**

with a capacity greater than 50 million gallons per day

**intermediate processing centers**

volume reduction facilities or multitown recycling facilities

with a combined monthly volume in excess of 25 tons

new or expanded **landfills**, including but not limited to,  
landfills that contain ash, construction and demolition debris, or solid waste

**medical waste incinerators**

**major sources of air pollution**

as defined by the Clean Air Act

[Environmental Justice Affecting Facilities Map \(arcgis.com\)](https://arcgis.com)



A hand in a light-colored sleeve points to a specific location on a map. The map is overlaid with a semi-transparent grid and various colored lines (blue, orange, green) representing different types of infrastructure or boundaries. The background is a soft, warm-toned gradient.

# **Public Participation**

## **Community Environmental Benefits Agreement\***

\*If 5 or more affecting facilities in town

**Cumulative  
Impacts  
Assessment**  
*forthcoming*

# New Effective October 1, 2023

**CEBA submission** before NTD

**Resident** involvement

**Connection** between impacts  
and benefits

**Minor modifications** exempt

**Streamlined** process

½-mile **mailing**

**Electronic media** posting

Accept **written comments &  
questions**

**Video** record public meeting

Submit report in 30 days

[Public Act 23-202](#) | [Guidance Document](#)



- Our Commitment to Environmental Justice >
- Environmental Justice Program Overview >
- Review Our Environmental Equity Policy >
- Report an Environmental Concern >
- Participate in the Permitting/Policy Process >
- Learn More About Environmental Justice Communities >
- Tap into Our Education and Outreach Programs >
- Help Address Climate Change >
- Explore Environmental Grant Opportunities >
- Access Health Information >
- Find Additional Resources >
- Find Available Programs and Initiatives >

Search Department of Energy & Environmental Protection

by Keyword



DEEP is eager to engage the community in its permitting and policymaking process. Whether you're seeking a permit, want to share your opinions about potential permits that could affect your area, or want to help shape environmental policy, we are here to listen and to assist you in any way possible.

### About the Permitting Process

We encourage all potential participants, or stakeholders, to understand how the permitting process works so they can better engage in this process. Here are a few resources you may find helpful:

- [Overview of the Permitting Process](#)
- [Permit Process Flowchart](#)
- [Permitting Checklist for Applicants](#)
- [Environmental Equity Checklist for Permit Applicants](#)

### How to Engage the Surrounding Community

Keep in mind that before any permit applications can be filed that involve applicable facilities in Environmental Justice Communities, an Environmental Justice Plan must be submitted for review by email to Edith Pestana of the Environmental Justice Program at [edith.pestana@ct.gov](mailto:edith.pestana@ct.gov).

Here are some additional resources that may be helpful in putting together your Environmental Justice Plan:

- [Overview of Environmental Justice Communities](#)
- [Environmental Justice Affecting Facilities Web Map](#)
- [Demographics and Affecting Facilities Web Map](#)
- [Environmental Justice Public Participation Plan Forms \(Word Version | PDF Version \)](#)
- [The Environmental Justice Public Participation Guidelines](#)
- [Public Participation Plans for Remote Meetings](#)
- [2023 Updates to the State's Environmental Justice Law](#)

Environmental Justice Public Participation Plan



## Environmental Justice Public Participation Plan

Before an applicant files a permit application with the Department, the applicant must submit an Environmental Justice Public Participation Plan (the "Plan") and receive approval for **any affecting facility**, in accordance with [section 22a-20a of the Connecticut General Statutes](#) (CGS), that is proposed to be located or expanded in an **environmental justice community**. For definitions and further guidance on the underlying EJ statute, please refer to the Department's [Environmental Justice Guidance Document](#).

If a Plan is required for your project, please complete and submit this form to the addresses indicated at the end of this form.

Once the Department has **tentatively approved** a Plan, the applicant is responsible for fully implementing that Plan. Before the Department issues a Notice of Tentative Determination, the applicant must submit a final report, documenting the implementation of the Plan and receiving Department **Approval**. If any of the information changes that is to be supplied in this form, or in the tentatively approved Plan, the applicant must contact the Office of Equity and Environmental Justice to determine if the initial Plan must be amended.

Please label all supporting documents to correspond with the outline provided in this document, e.g., "Part II A: Project Summary".

Note:

1. All submitted plans will be made publicly available.
2. All citations herein are to CGS § 22a-20a, Connecticut's Environmental Justice statute. This form is designed to guide applicants in preparing a public participation plan. Applicants should refer to the appropriate statutes and regulations for more detail. It is the applicants' responsibility to obtain and comply with all relevant state, federal, and local laws.
3. This form is now in Version 2.0, last edited in January 2024. DEEP welcomes feedback on the usability of the form.

### Part I: Proposed Applicant Information

#### 1. APPLICANT INFORMATION

Applicant:

Mailing Address:

City/Town:

Business Phone:

Contact Person:

Email:

Applicant (check one):  individual  company  federal agency,  state agency  municipality

If a company, list company type (e.g., corporation, limited partnership, etc.):

Check if any co-applicants. If so, attach additional sheet(s) with the required information as requested above.

Environmental Justice Website



# Connecticut Environmental Justice Public Participation Guidance Document 2024

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## I. INTRODUCTION

Connecticut adopted in 2009 one of the country’s first statutes that places environmental justice [“EJ”] requirements on DEEP permitting activities and Siting Council certificates. *See* Connecticut General Statutes [“CGS”] § 22a-20a. The law has been greatly successful and continues to evolve with the times.

Effective October 1, 2023, [Public Act 23-202](#) updated § 22a-20a. This guidance document lays out the EJ law’s requirements, and highlights what is new in 2023.

## APPENDIX A: REQUIREMENTS FOR DIFFERENT PERMIT APPLICATION TYPES

	New Permit	Siting Approval	Expanded Permit	Minor Modification
Submit <b>Public Participation Plan</b>	✓	✓	✓	
Get approval of <b>Public Participation Plan</b> before Filing Application	✓	✓	✓	
<b>Notice:</b> Place sign on the proposed or existing facility <sup>11</sup>	✓	✓	✓	
<b>Notice:</b> Notify local and state elected officials	✓	✓	✓	
<b>Notice:</b> Post on electronic media	✓	✓	✓	
<b>Notice:</b> Mail notice to residential households within ½ mile radius of proposed or existing Affecting Facility	✓	✓		
<b>Notice:</b> Publish in a newspaper having general circulation in the area affected	✓	✓	✓	
Accept written comments from any interested party and provide an opportunity for meaningful public participation at the informal public meeting	✓	✓	✓	
Follow new <b>Public Participation Report</b> requirements <sup>12</sup>	✓	✓		
Submit <b>Public Participation Report</b> to the department or council	✓	✓	✓	
Submit <b>Public Participation Report</b> to the department or council not later than thirty days after the informal public meeting	✓	✓		
Video record the informal public meeting and submit the recording to the department or council with the <b>Public Participation Report</b>	✓	✓	✓	
Evaluate the need for a <b>CEBA</b>	✓	✓	✓	
Enter into a <b>CEBA</b> <sup>13</sup>	✓	✓	✓	
Submit a copy of the executed <b>CEBA</b> to the department or council prior to notice of tentative determination	✓	✓	✓	

<sup>11</sup> In English, and in all languages spoken by at least 15% of the population that reside within a one-half mile radius of the proposed or existing Affecting Facility (§ 22a-20a(b)(2)).

<sup>12</sup> An affidavit that the applicant satisfied the requirements in § 22a-20a(b)(2)-(5), all written comments received, responses to concerns and questions presented in such written and verbal comments (§ 22a-20a(b)(1)).



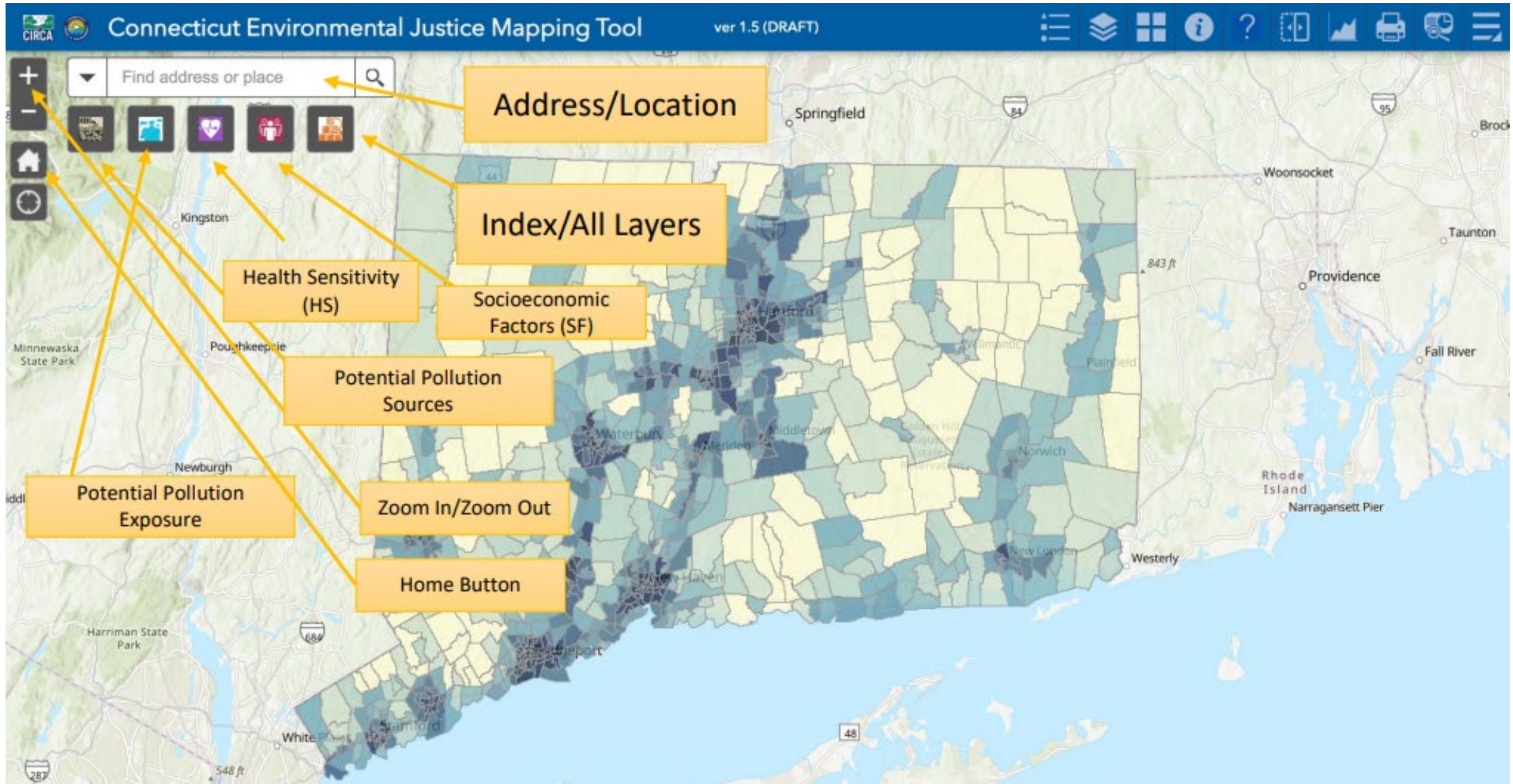
**Connecticut**  
**Department of Energy &  
Environmental Protection**

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**ENVIRONMENTAL JUSTICE**







[Connecticut Environmental Justice Screening Tool \(uconn.edu\)](http://uconn.edu)



# Pollution Burden

*Potential  
Pollution  
Sources*

*Potential  
Pollution  
Exposure*



# Sensitive Populations

*Socioeconomic  
Factors*

*Health  
Sensitivity*



from [CIRCA report](#)

# New Cumulative Impact Assessment Regulations

**Identification & measurement**  
of public health stressors' relative  
impacts

**Tools** for stakeholder industries  
and sectors

**Standards** for denying or placing  
conditions on permits





Legislature passes  
PA 23-202

becomes  
effective  
October  
1, 2023

**Outside  
Consultants**

**DEEP**

**Stakeholders**



DEEP contracts  
with outside  
consultants to  
develop  
Cumulative  
Impacts Tool



DEEP identifies  
regulatory  
concepts



DEEP identifies  
community and  
industry  
stakeholders

late 2023  
and early  
2024



DEEP meets with  
stakeholders for  
input on regulatory  
concepts

first  
meeting  
tentative  
August  
2024.  
final  
meeting  
August  
2025



DEEP staff draft proposed  
regulations, incorporating  
stakeholder input and  
technical tools from the  
consultants

following  
final  
meeting:  
late 2025



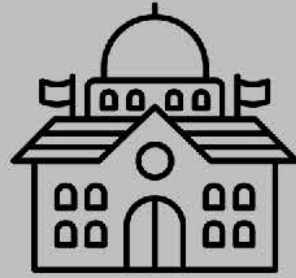
DEEP presents  
proposed regulations  
to stakeholders

following  
drafting:  
early  
2026



DEEP packages and submits the  
regulations for review by other agencies,  
legislature

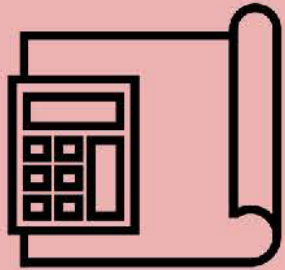
following  
feedback:  
mid 2026



Legislature passes  
PA 23-202

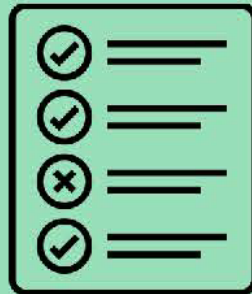
*becomes  
effective  
October  
1, 2023*

### **Outside Consultants**



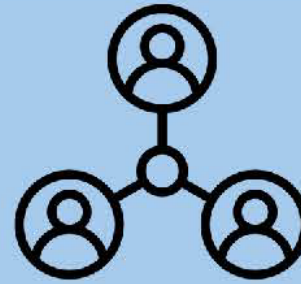
DEEP contracts  
with outside  
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develop  
Cumulative  
Impacts Tool

### **DEEP**



DEEP identifies  
regulatory  
concepts

### **Stakeholders**



DEEP identifies  
community and  
industry  
stakeholders

*late 2023  
and early  
2024*

*first  
meeting  
tentative*

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Cumulative  
Impacts Tool

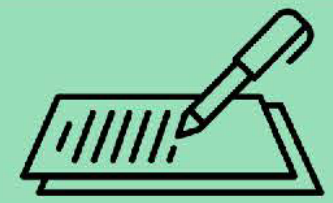
concepts

stakeholders



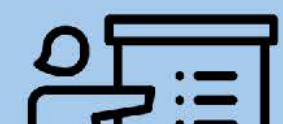
DEEP meets with  
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*first  
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final  
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DEEP staff draft proposed  
regulations, incorporating  
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technical tools from the  
consultants

*following  
final  
meeting:  
late 2025*



*following*



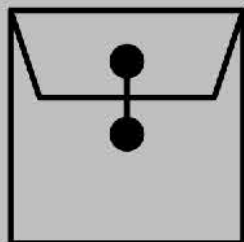
DEEP staff draft proposed regulations, incorporating stakeholder input and technical tools from the consultants

*final meeting:  
late 2025*



DEEP presents proposed regulations to stakeholders

*following drafting:  
early 2026*



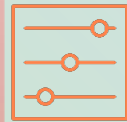
DEEP packages and submits the regulations for review by other agencies, legislature

*following feedback:  
mid 2026*

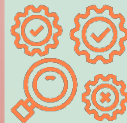
# Regulatory Concepts



Identification & Measurement of Stressors



Public Health & Environmental Stressors Tool



Cumulative Impacts Assessment




Geographic Points of Comparison



Standards for Denying & Placing Conditions on Permits



Public Participation Plan, Report



**We want to hear from you!**  
**[deep.ejrulemaking@ct.gov](mailto:deep.ejrulemaking@ct.gov)**



# Environmental Justice



# Remediation Roundtable

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E-mail: [DEEP.remediationroundtable@ct.gov](mailto:DEEP.remediationroundtable@ct.gov)

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An abstract background composed of various brushstrokes in shades of blue, green, and brown. The colors are layered and blended, creating a textured, painterly effect. The blue is most prominent at the top, transitioning into greens in the middle, and darker browns and oranges at the bottom.

# Remediation Roundtable

Next meeting June 18, 2024