

The background of the slide is an abstract, textured composition of brushstrokes. The top portion is dominated by various shades of blue, ranging from light sky blue to deep, dark navy. Below this, there are broad, sweeping strokes of vibrant green and teal. The bottom section features darker, more muted tones, including brown, black, and dark green, suggesting a landscape or perhaps a cross-section of earth. The overall effect is dynamic and organic, with visible texture and color blending.

Remediation Roundtable

June 18, 2024

Remediation Roundtable Agenda

- ❖ **Announcements**
- ❖ **Website Updates**
- ❖ **Roundtable Tips**
 - ❖ Verification Submittals
 - ❖ Engineered Controls and Financial Assurance
- ❖ **Updates:**
 - ❖ Release-Based Clean Up Program Regulation Development
 - ❖ PFAS Action Plan
 - ❖ Property Transfer Program: Compliance Project
- ❖ **Presentations:**
 - ❖ The Client Concierge Service and Permit Assistance



Announcements

New Staff: Remediation Division Assistant Director

Diane Duva



ISCO General Permit

General Permit for In-Situ Remediation: Chemical Oxidation expires on June 30, 2024

- Will be renewed
- Public Notice forthcoming

Connecticut Department of
**ENERGY &
ENVIRONMENTAL
PROTECTION**

79 Elm Street • Hartford, CT 06106-5127 www.ct.gov/deep Affirmative Action/Equal Opportunity Employer

**General Permit for
In Situ Remediation:
Chemical Oxidation**

Issuance Date: June 30, 2014
Expiration Date: June 30, 2024

Bureau of Water Protection and Land Reuse
Remediation Division
860-424-3705
Printed on recycled paper

DEEP-REM-GP-002 Rev. 06/30/2014

Delegation of Commissioner's Authority

Many places in the RSRs and Statutes refer to the Commissioner

- Submission of documents to the Commissioner...
- Commissioner approval of provisions...
- Investigations that the Commissioner deems appropriate...
- Mapped by the Commissioner...
- Posted by the Commissioner...
- Determined by the Commissioner...
- Permitted by the Commissioner...
- Direction given by the Commissioner...
- Revised by the Commissioner...
- Administered by the Commissioner...

22a-133k-1(a)(8) “Commissioner” means the Commissioner of Energy and Environmental Protection or the commissioner’s designee.

- **This allows the Commissioner to delegate the responsibility...**

Delegation of Commissioner's Authority

- ★ Please send RSR/Public Notice requests/documentation to the Remediation Division and **NOT** to the Commissioner's Office –

Documents sent directly to the Commissioner's Office will likely cause delays in processing and can result in loss of the documents...

- ★ All documents should be sent to the department electronically through the sft.ct.gov secure file transfer site using the Remediation Division credentials for logging in, so they get routed correctly!

Webpage Updates

[Laboratory Quality Assurance and Quality Control Guidance](#)

[Engineered Control Variances](#)

[Environmental Use Restrictions](#) – updated EUR map

[Significant Environmental Hazard](#) – updated SEH map

[Connecticut Brownfields Inventory](#) – updated inventory

[List of Contaminated or Potentially Contaminated Sites](#)

[State Superfund Program](#)

Webpage Updates

[Release-Based Working Group Meetings](#)

[Release-Based Cleanup Program Stakeholder Engagement](#)

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

[Licensed Environmental Professional Program](#)

[Licensed Environmental Professional Board Members](#)

[Guidance Documents](#)

[Transmittal of Documents](#)



VERIFICATION SUBMITTALS

Lynn Olson-Teodoro, Environmental Analyst, Remediation Division

Verification Submittals

Verification Arrangement – Why is this important???

Establishment Address, City/Town

Rem #: Rem #

Part VII: Appendices & Exhibits

Check all that apply and attach appropriate documentation to this Verification Form:

Appendix A – Public Notice Documentation

Appendix B – Approvals and Notifications

Appendix C – EUR Fact Sheet and Certificate of Title

Exhibit 1 – Verification Report

Required with all submittals

Verification Submittals

Why is this Important?

Electronic Transmittal Form – so it gets to the right place

Verification Form – basic information up front

Attachments to the Form – easy to find

Verification Report – explanation of how compliance was achieved

Verification Submittals

DEEP Administrative Review

- Make sure the form contains required signatures, dates, references, etc.
- Make sure the form is complete and internally consistent.
- Make sure all required attachments are included.

Searching for verification forms and required attachments wastes a lot of time, particularly if verifications are large.

Verifications may be rejected if staff cannot locate required attachments.

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





ENGINEERED CONTROLS AND FINANCIAL ASSURANCE

Craig Bobrowiecki, Environmental Analyst, Remediation Division
Mike Senyk, Environmental Analyst, Remediation Division

Engineered Controls

LEP certified ECs

- 22a-133k-2(f)(2)(B)
- RSRs are prescriptive on what is required
- Completion Statement (CS) is to be submitted within 120 days of completion of construction of the EC
 - DEEP now requiring that cost estimate accompany CS
 - Photo documentation taken within 120 days prior to CS submission



Engineered Controls

Commissioner approved ECs

- 22a-133k-2(f)(2)(C)
- Specifically for DEC/PMC caps and immobilization
- Use LEP certified specs (minimum) when designing an EC for Commissioner approval
- Cost estimate must be included in the ECVR Part 2 submission



Financial Assurance for Engineered Controls

Applies to both LEP certified and Commissioner approved ECs

- FA is in place to ensure that monitoring/maintenance obligations are met
- Cost estimate must reflect costs that the Department would incur if RP becomes insolvent
- If bituminous pavement is utilized as part of an EC, re-paving costs at years 15 and 30 must be included in the cost estimate
- Costs included in the estimate must reflect current day pricing and must be adjusted at 5 year intervals



Financial Assurance for Engineered Controls

Applies to both LEP certified and Commissioner approved ECs

- 22a-133k-2(f)(2)(D) and 22a-133k-1(f)
- Must utilize 1 of 4 instruments detailed in 22a-133k-1(f)(2), instruments must not deviate from “boilerplate” language
- Must be submitted within 120 days of completion of construction of the EC
- Must be adjusted for inflation at every 5 year mark from inception



Financial Assurance for Engineered Controls

Applies to both LEP certified and Commissioner approved ECs

- 22a-133k-2(f)(2)(D) and 22a-133k-1(f)
- If FA cost is <\$10k, FA not required, 22a-133k-1(f)
- If multiple ECs are utilized on one property, need to assess the cumulative FA costs; if cumulative cost is >\$10k, FA required
- If there was a previously submitted instrument and the financial institution changes, a new instrument must be submitted in accordance with 22a-133k-1(f) and must be accompanied by an updated cost estimate



Financial Assurance Cost Estimate Example

This document provides an example of what items should be included in a cost estimate for financial assurance (FA) for engineered controls (EC) in accordance with the RSRs. The FA amount must cover costs for the Department to hire a third party to perform the monitoring and maintenance of the EC in the event that the Property Owner does not. The inspection and maintenance costs provided below must include an itemized list of the required tasks and breakdown of associated costs (please see the Itemized Cost Estimate table as an example).

Disclaimer:

The numbers presented in this document should in no way be utilized to prepare a cost estimate to be submitted to the Department. Additionally, the items and costs presented in this document are not an exhaustive list of items and costs associated with monitoring and maintaining an engineered control.

This is a hypothetical case where an impermeable cap was installed as an EC.

Rem ID#: _____
Site Name: _____
Site Address: _____

Item	Unit Cost:	Quantity	30 Year Cost:
Inspection	600	30	18,000
GW Monitoring	2000	30	60,000
GW Analysis	2080	30	62,400
Annual Report	1000	30	30,000
Maintenance (landscaping; repair pavement, others as required)	3400	30	102,000
Repaving at years 15 and 30	50,000	2	100,000
SUBTOTAL:			372,400
15% Contingency:			55,860
TOTAL 30 YEAR COST:			428,260
20% of 30 YEAR COST:			85,652

Notes:

- 20% of the 30 Year Cost to be submitted within 120 days of completion of construction of EC (Section 22a-133k-2(f)(2)(D))
- FA should be adjusted for inflation every 5 years (Section 22a-133k-1(f)(4))
- Inspection costs should include the cost for DEEP to hire a TEP or LEP to conduct the inspections
- GW monitoring cost should include, but may not be limited to cost for DEEP to hire a consultant to collect 3-4 groundwater samples per event, rental equipment, labor, travel, etc
- Annual Report costs should include the cost for DEEP to hire a TEP/LEP to prepare the annual report documenting the GW sampling, inspections, and maintenance
- Maintenance costs should include, but may not be limited to repairing asphalt pavement, mowing, trimming, removing debris from stormdrains, etc

Cost Estimate for Financial Assurance

[cost-estimate for-fa.pdf \(ct.gov\)](#)



Itemized Cost Estimate Example

Item	Unit Cost	Quantity	Total Cost
Inspections			600
quarterly visual inspections	100	4	400
inspection following extreme weather event	100	2	200
Groundwater Monitoring (semi-annual)			2000
personnel to sample wells	100/hr	12	1200
rental equipment (pump, interface probe, flow through cell with water quality meters, etc)	250/d	2	500
vehicle	50/event	2	100
sampling equipment (PPE, tubing, etc)	100/event	2	200
Groundwater Analysis (semi-annual sampling at 4 wells)			2080
VOC	80	10	800
metals	80	8	640
ETPH	80	8	640
Annual Maintenance			3400
repairing cracks	1/ft2	1000	1000
landscaping	150/event	12	1800
snow removal	100/event	4	400
debris removal	100/event	2	200
Repaving	5/ft ²	10,000 ft ²	50,000

Cost Estimate for Financial Assurance

[cost-estimate for-fa.pdf \(ct.gov\)](#)



Questions or Comments?

Please type your Questions into CHAT

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

Craig Bobrowiecki craig.bobrowiecki@ct.gov
Mike Senyk michael.senyk@ct.gov

www.ct.gov/deep/remediationroundtable





CONNECTICUT'S TRANSITION TO RELEASE-BASED CLEANUP UPDATE

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

WHAT'S BEEN HAPPENING?

- DEEP and DECD continue to meet with the Release-based Working Group every month
 - Meeting information can be found here: <https://portal.ct.gov/deep/remediation--site-clean-up/comprehensive-evaluation-and-transformation/release-based-working-group-meetings>
- DEEP has been discussing the Brownfields exemptions with the Brownfield Working Group over the past several months
- We are looking to reach out to stakeholders that have not been as engaged over the past several years and bring them into the conversation
 - **Send me ideas of groups, if you have them**
- Draft regulations released 12/29/2023; Q&A Session 2/13/2024

Working Group Comments - Overview

Maintainer

Emergent
Reportable
Releases

Characterization

Filing Cabinet
Exemption

Special Paths

Discovery

Audit

Attorneys
Roles



ADDRESSING COMMENTS

- DEEP continues to rework the regulations to address these buckets of comments
- In addition, DEEP has presented on the following topics at recent Release-based Working Group meetings
 - Release Characterization (https://portal.ct.gov/-/media/deep/site_clean_up/comprehensive_evaluation/release-based/working-group_characterization_guidance-update_20240423.pdf)
 - Special Paths for PFAS and Road Salt in Drinking Water Wells (https://portal.ct.gov/-/media/deep/site_clean_up/comprehensive_evaluation/release-based/relasse-based-working-group-deck5-14-24.pdf)
 - Incidental Public Roadway Releases (https://portal.ct.gov/-/media/deep/site_clean_up/comprehensive_evaluation/release-based/incidental-public-roadway-releases-for-wg-meeting-6-11-24.pdf)
 -



- ❑ 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
June 18, 2024

FEDERAL PFAS UPDATES



April 2024:

- Issued MCL Rule – initial monitoring due 4/26/2027; compliance by 4/26/2029
- Released Interim Guidance on the Destruction and Disposal of PFAS and Materials Containing PFAS – Version 2
- Changed federal contracting requirements – custodial contractors required to use PFAS-free products

May 2024

- Published final CERCLA hazardous substance designation for PFOA and PFOS – effective 7/8/2024

LEGISLATIVE SESSION RECAP



DEAD(ISH) DURING SESSION:

SB 290 – AAC Minor Revisions to Environment Related Statutes

- Clarifies that the Toxics in Packaging definition of “intentionally introduced” does not include using PFAS as a processing agent or intermediate during manufacturing under certain circumstances. Under existing law, a parallel exemption applies to regulated metals.
- Contact: Tom Metzner, Bureau of Materials Management and Compliance Assurance: Tom.Metzner@ct.gov or (860) 424-3242

PASSED DURING SESSION:

SB 292 – AAC The Use of PFAS in Certain Products

Public Act 24-59 signed by the Governor on June 5, 2024; added a waiver process to allow for exemption. To be enforced by DEEP with DoAg, DCP, and DPH support

- Expanded eligibility for use of funding in the PFAS Testing Account (within General Fund) to school districts and for the purpose of implementing PA 24-59.
- **October 1, 2024** - ban on the use, sale, or offer for sale of **soil amendments made from biosolids or wastewater sludge that contains PFAS**
- **January 1, 2026** – ban on the distribution/sale/offer of new **severe wet weather outdoor apparel** containing PFAS *unless labelled as “Made with PFAS chemicals”* and ban on the sale of **turnout gear** that contains intentionally added PFAS *without providing written notice to the purchaser of such PFAS.*
- **July 1, 2026** – ban on the manufacture/sale/distribution of (A) apparel; (B) carpet or rug; (C) cleaning product; (D) cookware; (E) cosmetic product; (F) dental floss; (G) fabric treatment; (H) children's product; (I) menstruation product; (J) textile furnishing; (K) ski wax; or (L) upholstered furniture if such product contains intentionally added PFAS, *unless the manufacturer of the product provides prior notification in writing to the department in accordance with the requirements of this subsection. Any products with PFAS must be clearly labelled as such.*
- **January 1, 2028** – ban on the manufacture, sale, offer for sale, or distribution of items in the above categories A-L, turnout gear and/or outdoor apparel for severe wet conditions if they product contains intentionally added PFAS. *(No exemptions? TBD – requested legal clarification.)*



DEFINITELY DEAD DURING SESSION:

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

- Sought to a) expand eligibility to independent fire departments and state agencies, b) allow for reimbursement of activity that occurred prior to July 1, 2023, and c) make funds non-lapsing.
- **DESPP continues to investigate ways to achieve the bill intent.**
- Contact: Jeff Morrissette, State Fire Administrator - 860-264-9230 or jeff.morrissette@ct.gov



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

- Sought to allocate \$2M to DECD to oversee a statewide background study (soil, groundwater, surface water)
- Presumed to have died due to fiscal note
- **DEEP will continue to explore options to conduct background studies, with soil and groundwater as priorities. Conversations with EPOC and USGS underway – stay tuned!**



OTHER RESPONSES NEEDED TO SESSION/EPA UPDATES

PFAS in Biosolids Information for CT Agriculture

The Departments of Agriculture (DOAG) and Energy and Environmental Protection (DEEP) want to spread awareness about a family of chemicals called per- and polyfluoroalkyl substances, or PFAS, that can be found in fertilizers derived from biosolids. DOAG and DEEP recommend that **farmers do NOT apply processed biosolid fertilizer to agricultural fields without first requesting PFAS test results** from their suppliers. If the biosolid product contains a combined PFAS concentration of 1.4 micrograms per kilogram [$\mu\text{g}/\text{kg}$, or parts per billion (ppb)] or more for five specific PFAS chemicals*, it is recommended that you do not apply that product in bulk to your fields.

Research has shown that plants growing in soil that is repeatedly amended with PFAS-contaminated biosolids can impact all parts of the plant – roots, stems, and fruits. Consumption of crops containing PFAS has the potential for adverse health effects in people and livestock. Further, PFAS-contaminated biosolids can also pollute groundwater below the application site, posing a risk to the people and livestock that drink local groundwater. In other states, PFAS has been found in milk from dairy cows that consume PFAS-containing crops and drinking water.

Do not apply processed biosolid fertilizers in bulk to your fields in the future. If you are interested in further guidance on soil and drinking water testing, please contact the DEEP and/or DOAG representatives listed here:

STAFF	EMAIL	PHONE
Shannon Pociu	Shannon.Pociu@ct.gov	
Debbie Nelson	Aggr.commodities@doag.ct.gov	

For more information on PFAS, see DEEP's webpage: [https://deep.ct.gov/DEEP-PFAS](#)

For more information on the CT Interagency PFAS Task Force and CT's PFAS Task Force, see: [https://deep-pfas-task-force.ct.gov](#)

For more information on PFAS and drinking water information on PFAS, see DPH's webpage: [https://dph/drinking-water/dws/per-and-polyfluoroalkyl-substances](#)



CT GREEN CLEANING PRODUCTS IN SCHOOLS LAW SUMMARY (CT Public Act 09-81; CT General Statutes Section Nos. 10-220 and 10-231 g)

- Requires school districts to implement a green cleaning program to clean and maintain their schools by July 1, 2011.
 - Green cleaning program means the procurement and proper use of environmentally preferable cleaning products as defined by the Department of Administrative Services (DAS) for all state-owned buildings. DAS currently requires that environmentally preferable cleaning products used in state-owned buildings be independently certified by one of two third-party certified organizations: Green Seal or EcoLogo.
 - By July 1, 2011 and thereafter no person shall use a cleaning product in a public school unless it meets the DAS standard.
 - The types of cleaning products covered in this section include all purpose cleaners, bathroom cleaners, glass cleaners, floor cleaners, hand sanitizers, disinfectants and soaps.
 - Disinfectants, disinfectant wipes, and other products regulated by the Department of Public Health under the Clean Air Act are not covered by this section.

UPDATES NEEDED DUE TO PA 24-59

- Requires school districts to provide school staff and, upon request, parents or guardians of students enrolled in a school district a written copy of the school's green clean policy by October 2011 and annually thereafter.

- Requires the school district green clean policy to include:
 - The types and names of environmentally preferable products being used
 - Locations of application of these products
 - Schedule of cleaning
 - The name of the supervisor in charge of green cleaning
- Requires the school district green clean policy to contain the statement: "No parent, guardian, teacher or staff member may bring into the school facility any consumer product which is intended to clean, deodorize, sanitize or disinfect."
- Requires school districts to provide a written copy of the green clean policy to parent and guardians of students who transfer to a school and to any staff hired during the school year.
- Requires the school district green clean policy and information provided on the school facility survey (ED050) about indoor air quality issues to be posted on each school's website and/or the board of education's website.



EPA MCL ANNOUNCEMENT IS UNDER DPH REVIEW



Compound	DWAL	MCL
9Cl-PF3ONS	2	-
11Cl-PF3OUdS	5	-
GenX (HFPO-DA)	19	10
PFBA	1800	-
PFBS	760	(2000)
PFHxA	240	-
PFHxS	49	10
PFNA	12	10
PFOA	16	4
PFOS	10	4

*6:2 Cl-PFESA or F-53

*8:2 Cl-PFESA or F-53

Compounds in blue are included in a 'mixture' MCL that uses a hazard index approach; at least 2 of these compounds must be present for the HI MCL to apply

DEEP continues to work to update and finalize new PFAS remediation criteria. The MCL announcement should have minimal delays on our progress towards completion.

(The big delay remains the need to prioritize development/finalization of the Release Based program!)



PFAS QUESTIONS?

Meghan Lally, PFAS Lead
CT DEEP Remediation Division
DEEP.PFAS@CT.GOV or (860) 424-3061



Property Transfer Program: Compliance Project

Presented by: Amy Richardson, Enforcement Coordinator, Remediation Division
Bureau of Water Protection and Land Reuse

PROPERTY TRANSFER ACT COMPLIANCE INITIATIVE STATUTORY REQUIREMENTS

COI

- Due 2 years after acknowledgement date
- Using prescribed form for sites filing after 7/1/2007

RAP

- Due 3 years after acknowledgement date
- Using prescribed form for sites filing after 7/1/2007

Verification

- Due 8 years after acknowledgement date
- For sites filing after 10/1/2009



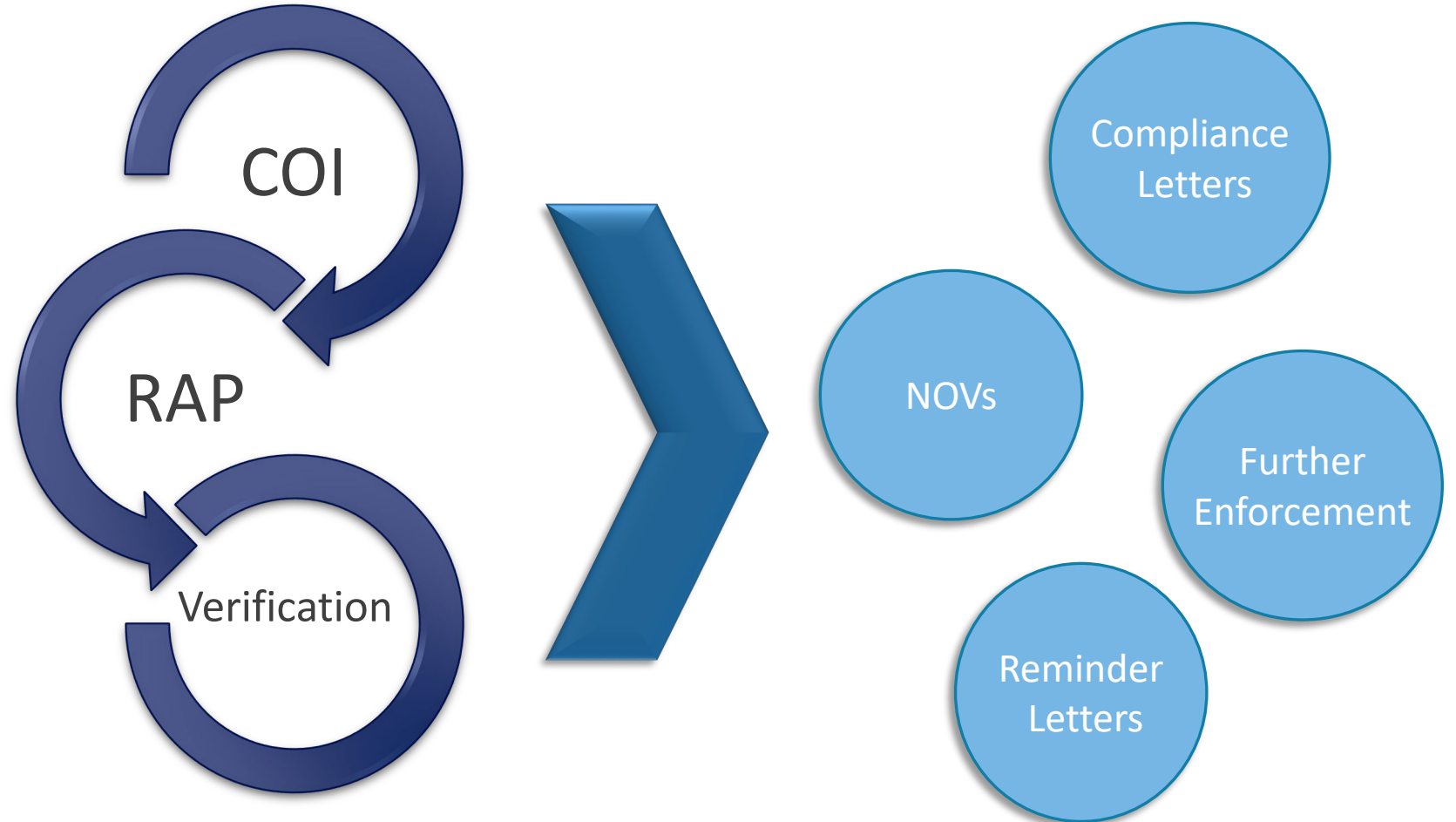
PROPERTY TRANSFER ACT COMPLIANCE INITIATIVE

- Ongoing initiative
- Continual process tracking compliance status of all Property Transfer filings
- COI and RAP non-compliance letters sent beginning 2015
- Issuing NOVs for past-due COIs, RAPs, and Verifications
- Will pursue further enforcement when necessary for compliance



PROPERTY TRANSFER ACT COMPLIANCE INITIATIVE

As milestones for each site become due, compliance status is reviewed.



TIPS

- Please update Certifying Party contact information when submitting forms throughout the process
 - Ensures we are able to reach someone for compliance assistance or if there are any issues
 - Often primary contacts change throughout the 8-years
- Milestone submittals that apply to more than one REM ID
 - Sites with multiple transfers
 - Scenarios where more current submittals can be applied retroactively, or vice versa with older submittals applicable to more recent transfers
 - Need to consider site use and activities to meet requirements – not always applicable
 - Include all applicable REM IDs on the Transmittal Forms for accurate data management
- Timeframes from older Transfer Act Filings hold true regardless of new transfers
 - Subsequent transfers do not reset the milestone submittal dates for previous transfers, even if there is a new Certifying Party
 - May need to coordinate with other Certifying Parties



CONSIDERATIONS

- Schedule extension requests versus updated schedules
 - No schedule will be deemed extended unless and until the Department issues an approval of a request in writing
 - While a request is under review, the Certifying Party should continue to take all actions necessary to meet the existing schedule.
 - An approval of any one schedule deadline does not extend any subsequent schedule deadline, unless the subsequent deadline is also expressly extended in the Department's approval.
 - Failure to achieve prior milestones on time may result in rejection of a deadline extension request.
 - Updated schedules submitted may be acknowledged and considered, but do not get approved and do not extend statutory timeframes. The Certifying party should take all actions to meet the proposed schedule. An updated schedule does not mean you are now in compliance
 - <https://portal.ct.gov/deep/remediation--site-clean-up/property-transfer-program/property-transfer-schedule-extension>



CONSIDERATIONS

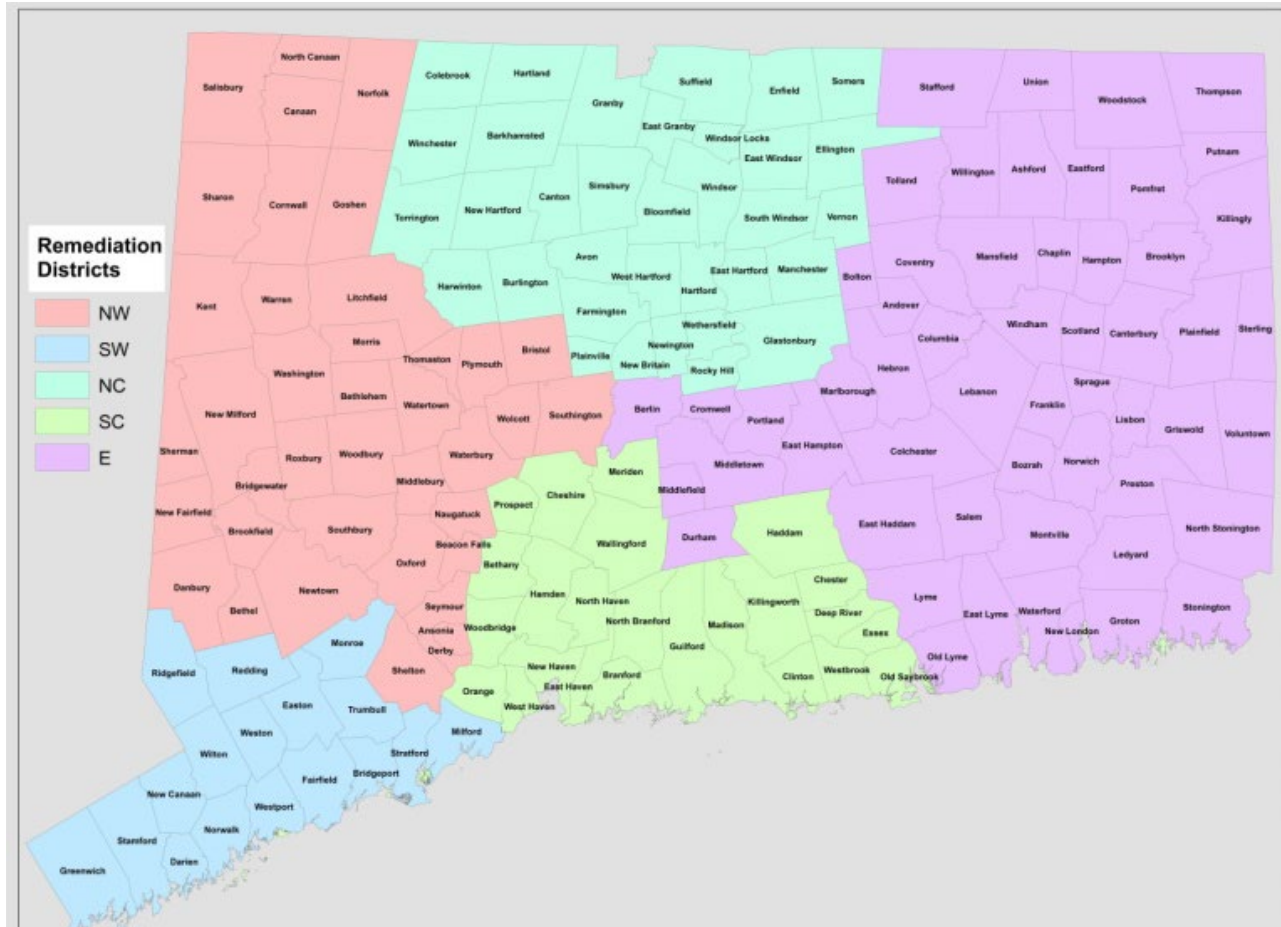
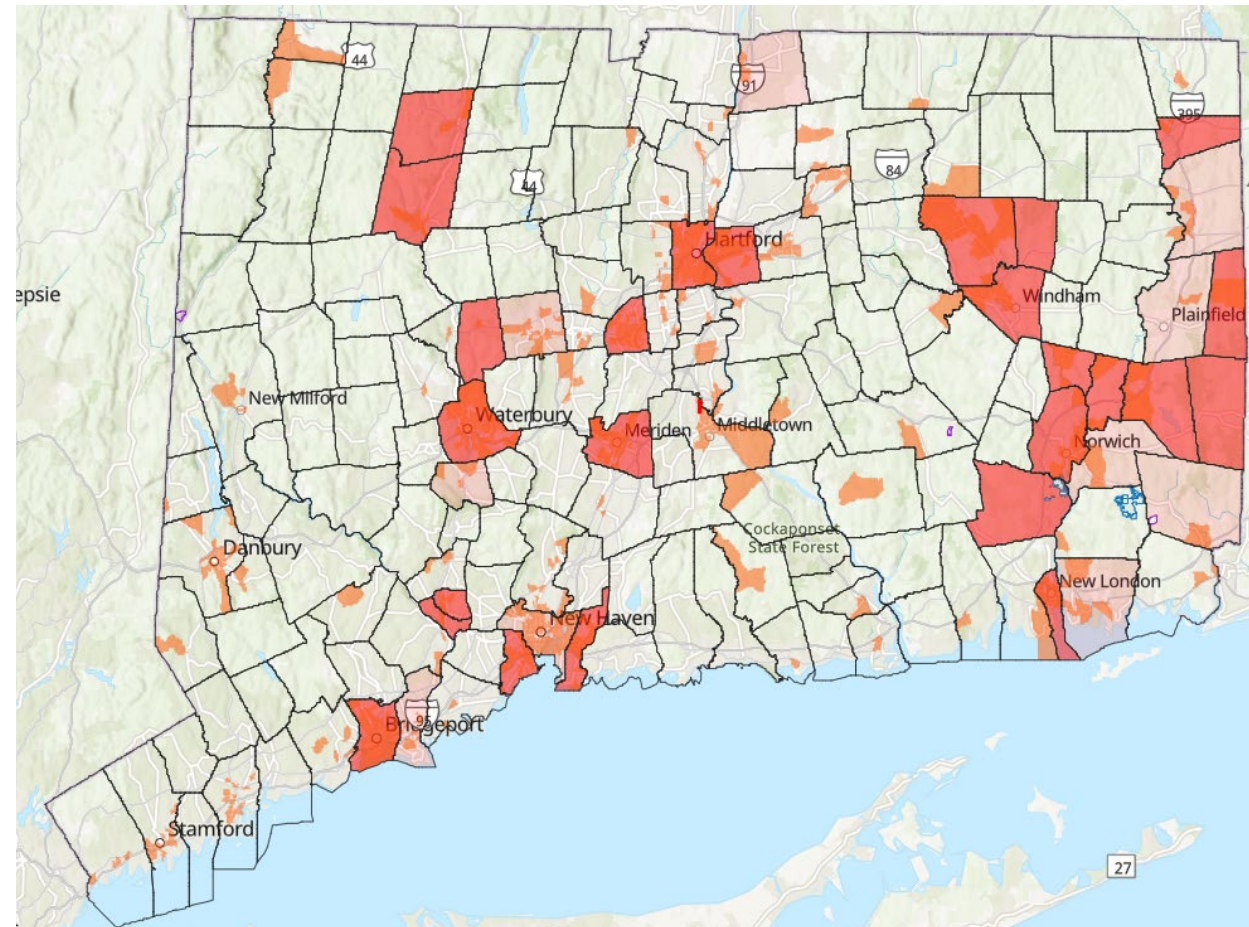
- Enforcement discretion follows DEEP Enforcement Response Policy
- *“Through its Enforcement Response Policy (ERP), CT DEEP prioritizes its enforcement resources by focusing on the most significant environmental, human health, and noncompliance problems. Enforcement staff focus on two categories of violators: those whose violations pose the greatest risk to public health and the environment and those who are chronic or recalcitrant violators.”*



UPDATES TO THE INITIATIVE

- EJ focus agency wide

- Compliance Leads in each district



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





CLIENT CONCIERGE SERVICE, PERMIT ASSISTANCE, & 20BY26

CAMILLE FONTANELLA, DIRECTOR OF THE OFFICE OF INNOVATIVE PARTNERSHIPS AND PLANNING

[Connecticut Department of Energy and Environmental Protection](#)



Office Director
Camille Fontanella

Concierge Team Members

Bea Milne
Emily Tully
Jessica Bilyard
Darren Wright

THE OFFICE OF INNOVATIVE PARTNERSHIPS AND PLANNING

- DEEP's Central Office **point-of-contact** for stakeholder assistance with environmental permitting
 - Facilitates communication between stakeholders and permit programs
 - Guides projects through the complex permitting process
- DEEP's Central Office coordinators for Stakeholder Engagement

Contact the Concierge Team:

DEEP.Concierge@ct.gov

Visit our website:

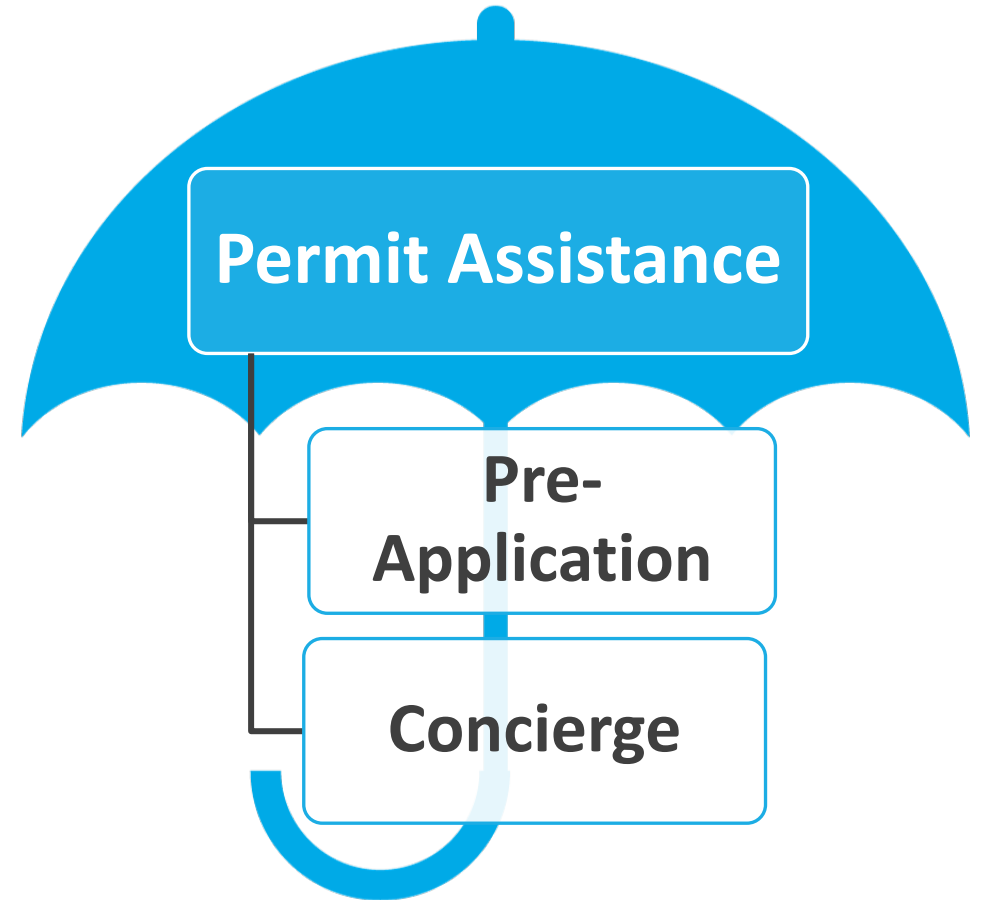
[Client Concierge Service](#)



PRE-APPLICATION ASSISTANCE

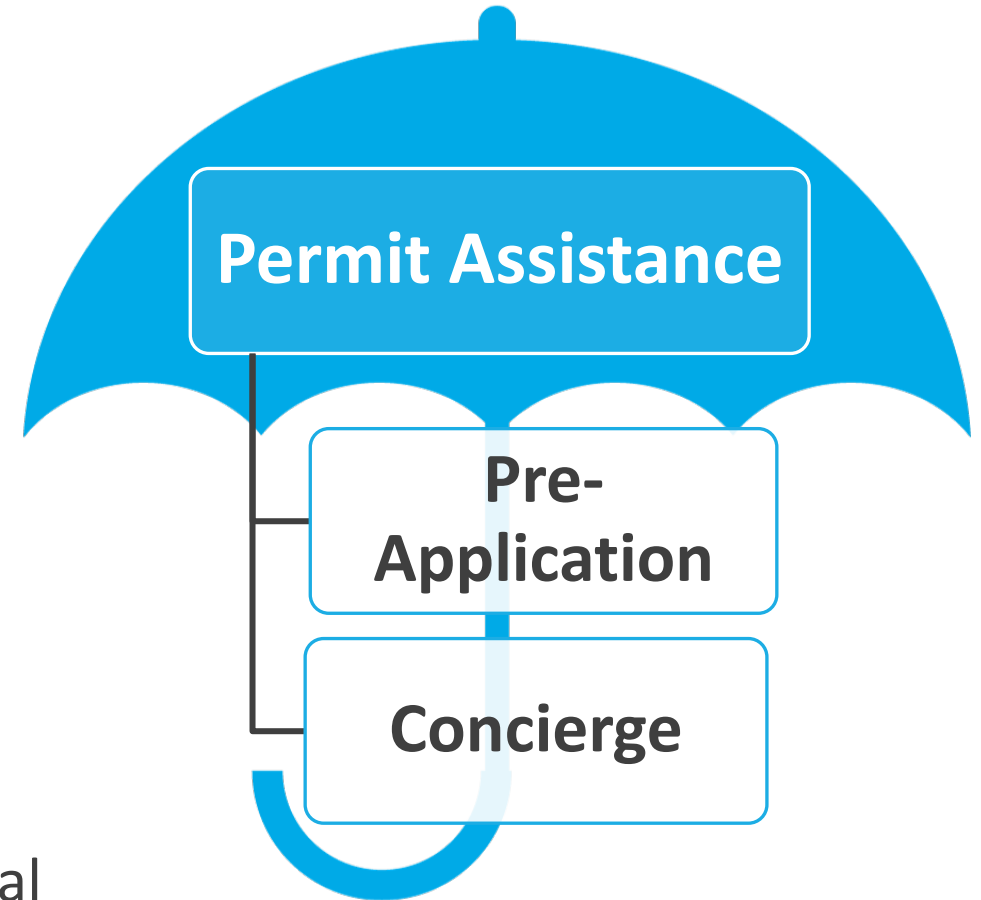
The Office of Innovative Partnerships and Planning offers pre-application assistance to any party upon request:

- Application assistance **before** submittal to permit program
- Pre-application questionnaire and guidance forms
- Schedule a pre-application **meeting** with DEEP program staff

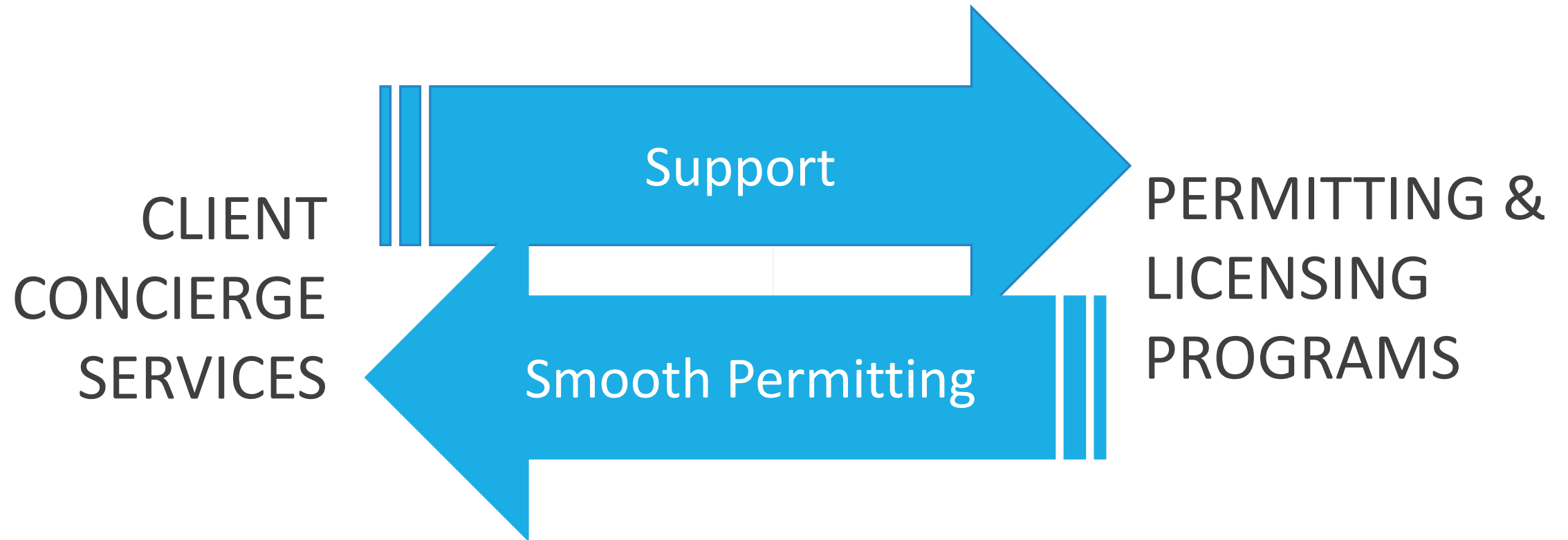


CONCIERGE SERVICES

- Specialized permit assistance **during and after** application submittal for complex projects
 - Meeting coordination with programs
 - Permit sequencing
 - Communication across Divisions
 - Follow-up on projects within DEEP and with other State agencies
- Stakeholder Outreach
- Multimedia license transfers, name changes, general inquiries from the public, etc.

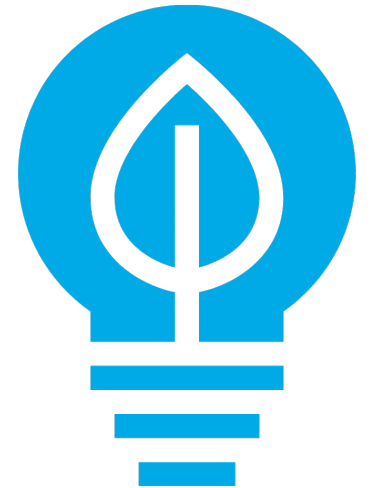


IMPROVED CLIENT SATISFACTION



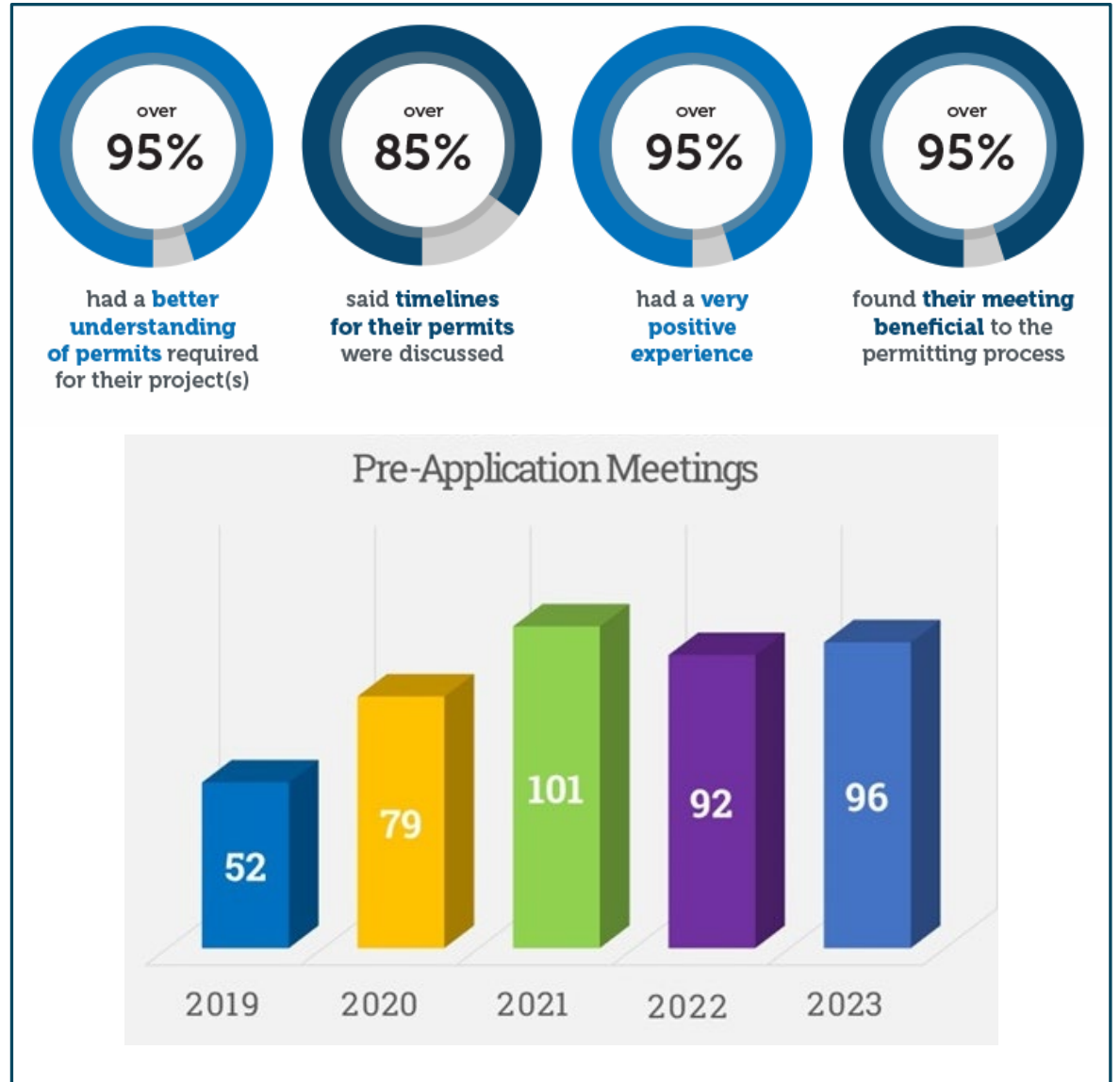
TYPES OF PROJECTS

- Highly complex projects with multiple permitting requirements
- Supporting economic development projects:
 - Brownfields
 - Transit-oriented development
 - Enterprise Zone or Opportunity Zone
 - Green technology business
- Energy-generating projects – solar, wind, anaerobic digesters
- Waste Organics
- Municipal projects
- Joint prioritization of the Commissioners of DEEP & DECD



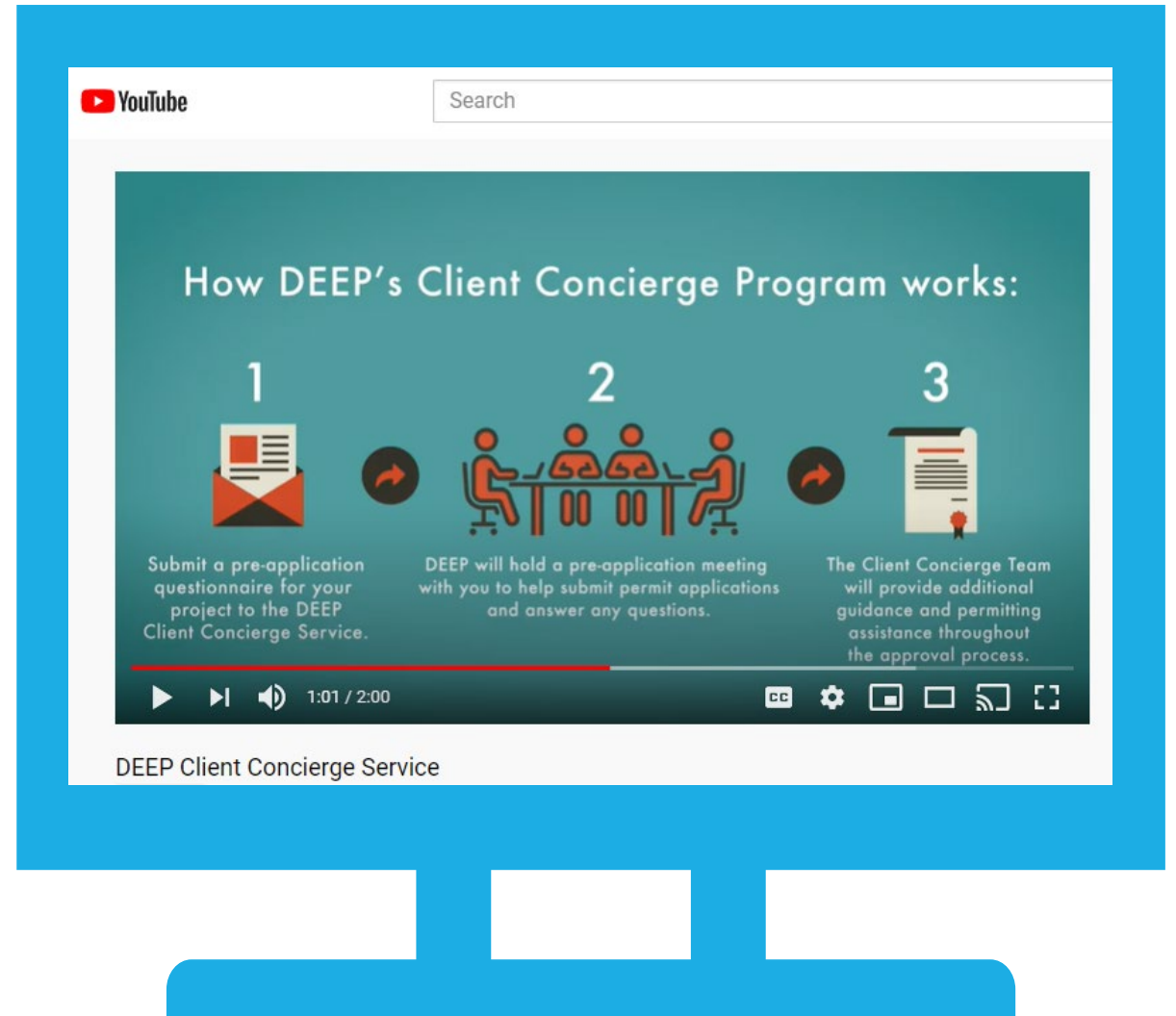
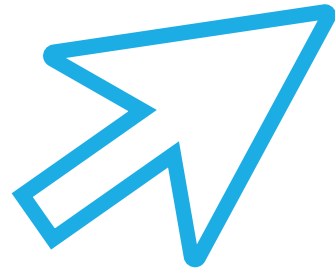
PERMIT ASSISTANCE RESULTS

- Ongoing Updates to Transparency, Predictability & Efficiency Dashboards
- Making Permit & License Timeframes More Transparent
- Reducing the Number of Pending Legacy Permit Applications
- Enhancing Permit Assistance Through Pre-Application & Client Concierge Services
- Improving Transparency Around Regulation and Public Participation



STAKEHOLDER OUTREACH AND COORDINATION

- Presentations to stakeholders, business organizations, and environmental advocate groups
- Bi-weekly meeting with DECD
- [Dedicated Web Page](#)
- [Concierge Video](#)
- [Virtual Brochure](#)
- Permitting Factsheets by sector
- [Municipal Connection Newsletter](#) and funding/meeting/public comment opportunity emails



STEPS FOR SOLAR DEVELOPMENT

STEPS is Sustainable, Transparent, and Efficient Practices for Solar Development

- [Guidance for Siting Solar in Connecticut: Brownfields](#)
- [Draft Guidance for Siting Solar on Agricultural Land](#)
- Feedback can be provided via email to DEEP.STEPS@ct.gov

Primary Siting Topics	Other Topics of Interest
<ul style="list-style-type: none">• Brownfields	<ul style="list-style-type: none">• CT Siting Council
<ul style="list-style-type: none">• Environmental Justice	<ul style="list-style-type: none">• Municipal Involvement
<ul style="list-style-type: none">• Agricultural Land	<ul style="list-style-type: none">• Canopy and Rooftop Solar
<ul style="list-style-type: none">• Landfills	<ul style="list-style-type: none">• Interconnection Challenges
<ul style="list-style-type: none">• Wildlife (Endangered and Threatened Species)	<ul style="list-style-type: none">• Energy Storage
<ul style="list-style-type: none">• Stormwater Management and Water Quality	<ul style="list-style-type: none">• Outreach/Education
<ul style="list-style-type: none">• Forests and Wetlands	

PERMITTING FACTSHEETS BY SECTOR



[Solar Energy](#)

[Offshore Wind Energy](#)

[Farm-based Anaerobic Digesters](#)

[Breweries and Distilleries](#)

Fact sheets in progress:

- **Large-Scale Beneficial Filling**
- **Climate Resiliency**
- **Municipal Composting**

FACT SHEET

Connecticut Department of Energy & Environmental Protection
79 Elm Street, Hartford, CT 06106
<https://portal.ct.gov/DEEP>

Farm-Based Anaerobic Digesters

An Environmental Permitting Factsheet

Farm-based anaerobic digestion (AD) of manure presents an opportunity to increase renewable energy production, improve the economics of Connecticut's agricultural sector, reduce nutrient loading and associated water quality impairments, and address climate change. ADs also align with the Department of Energy and Environmental Protection's (DEEP's) charge to conserve, improve, and protect the natural resources and the environment of the State of Connecticut, as well as to advance our efforts to generate cleaner, reliable and more affordable energy for the people and businesses of the State. Connecticut and DEEP support the development, deployment, and operation of anaerobic digester units.

An AD is a system where bacteria biologically digest and break down organic material in the absence of oxygen (or "anaerobically"). ADs typically process animal manure, food scraps, and wastewater biosolids or a combination thereof. ADs produce biogas and digestate (residual solid and liquids) as byproducts. Biogas is mainly made up of methane gas (CH₄) which can be stored and used as a sustainable energy source. Biogas collected from ADs is often used to generate electricity on-site or the biogas is further processed to produce renewable natural gas (RNG) and fed by injection directly into natural gas pipelines. Any excess biogas produced, along with biogas unable to be used in

DEEP'S 20BY26 INITIATIVE

Building upon the foundation of our highly successful 20BY20 initiative, DEEP's new 20BY26 initiative commits to pursuing 20 measurable improvements across the agency that increase the predictability, efficiency, and transparency of DEEP's processes.



GOAL 2: Achieve 90% On-Time Completion Rate for Critical Permit Applications

GOAL 3: Reduce the "Legacy" Permit Application Backlog by 65% by 2026

GOAL 13: Strengthening Communication and Collaboration with DEEP

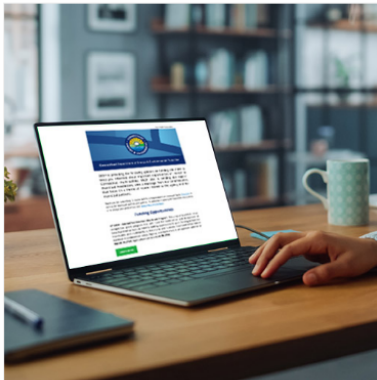
DEEP'S 20BY26 INITIATIVE

GOAL 12: Expand DEEP Concierge Services to Municipalities and Small Businesses

New! Municipal Hub and Early Municipal Assistance

DEEP's Municipal Hub

Municipalities play a critical role in developing and implementing policies, regulations, grants, and more that complement and achieve DEEP's mission and function. DEEP, in turn, is committed to helping municipalities better navigate DEEP's systems, plan projects, receive status updates, and resolve issues. The Client Concierge Service supports Connecticut municipalities by providing permitting assistance and resources on various project types. Start here to achieve environmental and economic success for your town.



Connecting with DEEP

DEEP is committed to strong partnerships with municipalities. Sign up here to receive Municipal Connections, curated news and information relevant to local government and a way for DEEP to connect with our municipal partners.



Client Concierge Service & Early Municipal Assistance

The Client Concierge Service provides permit assistance and coordination for projects that are time-sensitive, complex, or require multiple permits. The Concierge Team can help municipalities understand permitting requirements, grants, and other resources through Early Municipal Assistance meetings.



20BY26 Initiative

DEEP's new 20BY26 initiative focuses on implementing process improvement strategies, including several to support municipalities: new regulations, funding tools, speeding up grants, and tailored Concierge Services for municipalities.

DEEP recently rolled out a Municipal Hub webpage that provides links to municipal resources, planning and funding information, and DEEP contacts all in one place


- Municipal Team
- Early Municipal Assistance
- Grants and Financial Assistance

Coming Soon! Small Business Assistance

MUNICIPAL CONNECTIONS

Sign up for the **Municipal Connections Newsletter**, featuring information curated for municipal partners.

- Monthly newsletters are themed to a specific topic and include a letter from the Commissioner
- More frequent update emails are also sent to the Municipal Connections subscribers



Connecticut Department of Energy & Environmental Protection

Municipal Connections

April 25, 2024


Welcome to **DEEP's Municipal Connections**, a place where you can find curated news and information relevant to local government and a way for DEEP to connect with our municipal partners.

Thank you for subscribing to receive DEEP's communications on municipal topics. [Click here](#) to sign up for Municipal updates and updates. To subscribe to other DEEP newsletters and updates or to change your preferences, visit: [Newsletters and Updates](#).

From the Desk of the Commissioner - From Federal to State to Municipal Climate Planning

Dear Friends,

In celebration of Earth Day, this edition of Municipal Connections features the work that DEEP's Office of Climate Planning has been doing to support municipalities by applying for and providing funds for climate action in the state.



THE CLIENT CONCIERGE SERVICE

Questions? / Suggestions?

<https://portal.ct.gov/DEEP/Permits-and-Licenses/Client-Concierge-Permit-Assistance>

Sign up to receive email updates
from the Client Concierge Service



Connecticut
Department of Energy &
Environmental Protection

INNOVATIVE PARTERSHIPS & PLANNING

Contact us! DEEP.Concierge@ct.gov

Remediation Roundtable



E-mail: DEEP.remediationroundtable@ct.gov

Web: www.ct.gov/deep/remediationroundtable



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 October 29, 2024