



RCRA 2020 ANNUAL MEETING

Chris Swain
RCRA Corrective Action

MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION

Protecting Maine's Air, Land and Water

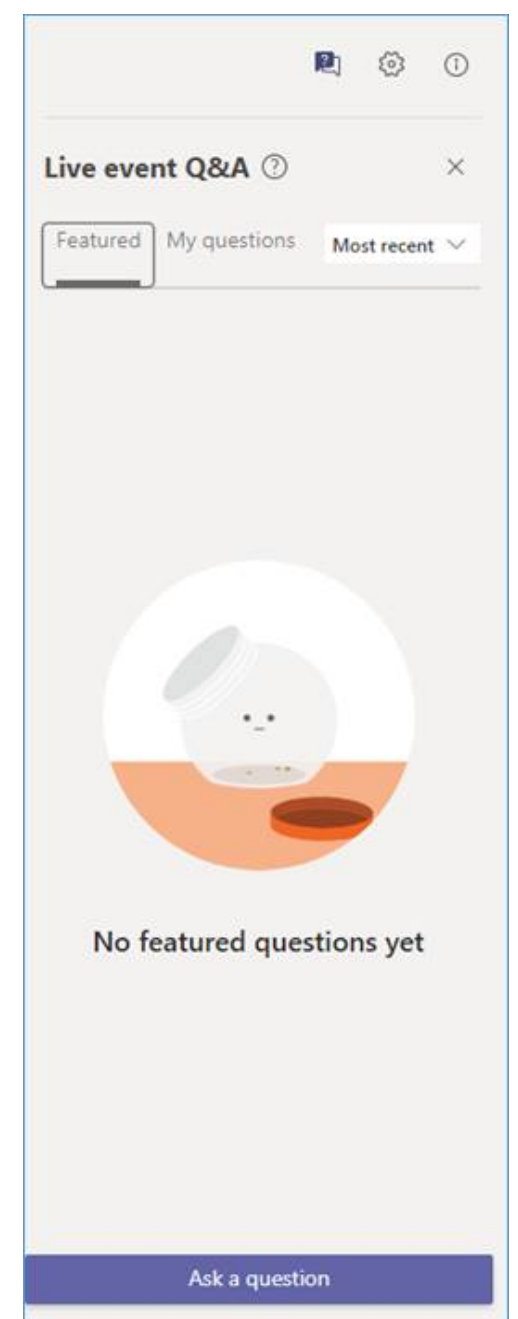
Agenda

- 1:00 – 1:30 Welcome /Current Group Status and Future Grant Commitments, **Chris Swain**
- 1:30 – 2:00 EPA Updates and Vision, Mission, and Goals for RCRA Corrective Action Over the Next 10 Years, **Dan Wainberg, USEPA Region 1**
- 2:00 – 2:30 MEDEP Updates, Division of Remediation overview, PFAS, Legislation, and RAGS, **David Wright, Remediation Division Director**
- 2:30 – 3:00 Groundwater Optimization at MEDEP, **Troy Smith, Hydrogeology Unit Manager**
- 3:00 - 4:00 How To Implement Vision, Mission, Goals, **All**



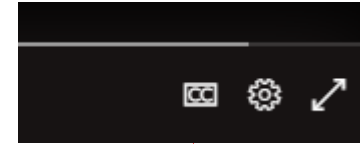
Housekeeping Items

- All attendees are in listen-only mode
- If you want to ask a question throughout our time together, just:
 - Select **Q&A** on the right side of the screen
 - Type your question in the compose box, and then select **Send**. If you want to ask your question anonymously, select **Ask anonymously**.

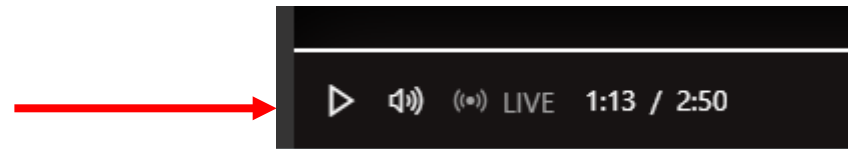


Housekeeping Items

- To enable Closed Captioning in Microsoft Teams:
- Once joined or in the group call, select the CC option on the lower right of your screen.
- You can pause, resume, or fast forward to the live event.



Closed Captions (CC) on the lower right:



On lower left, buttons for pausing, resuming, and fast forwarding to the live event.

WELCOME

- Amy Blyth, Producer

307/460-0032 or ablyth@trihydro.com

- Ben McAlexander, Host

714/331-1938 or bmcalexander@trihydro.com

- Cory Fields, IT Specialist

970/631-4279 or cofields@trihydro.com



Environmental Indicator Status

- EI 400-Remedy Select 34/35 (97% versus 79% target)
- EI 550-Const. Complete 32/35 (no target)
- EI 725 –Human Health 35/35 (100% versus 96% target)
- EI 750-GW Migration 35/35 (100% versus 91% target)



RAU and Closed

- EI 800 –RAU – commitment is 2 for FY21
- EI 900s – commitment is 2 for FY 21



MEDEP RCRA CA UNIT

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Jonathan O'Donnell	<u>Jonathan.Odonnell@maine.gov</u>	207-215-7092





Contact:

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Thank you

www.maine.gov/dep



QUESTIONS?





EPA – RCRA Corrective Action at 2020

DAN WAINBERG, CHIEF

RCRA CORRECTIVE ACTION AND TSCA SECTION, REGION 1

EPA Region 1 – Organization As of April 2019

REGIONAL ADMINISTRATOR & DEPUTY REGIONAL ADMINISTRATOR

Immediate Office:
Environmental Justice
Nat'l Environmental Policy Act
Public Affairs
Tribal & International Affairs
Civil Rights and EEO

**Air & Radiation
Division**

Mission Support Division

**Enforcement & Compliance
Assurance Division**

Regional Counsel

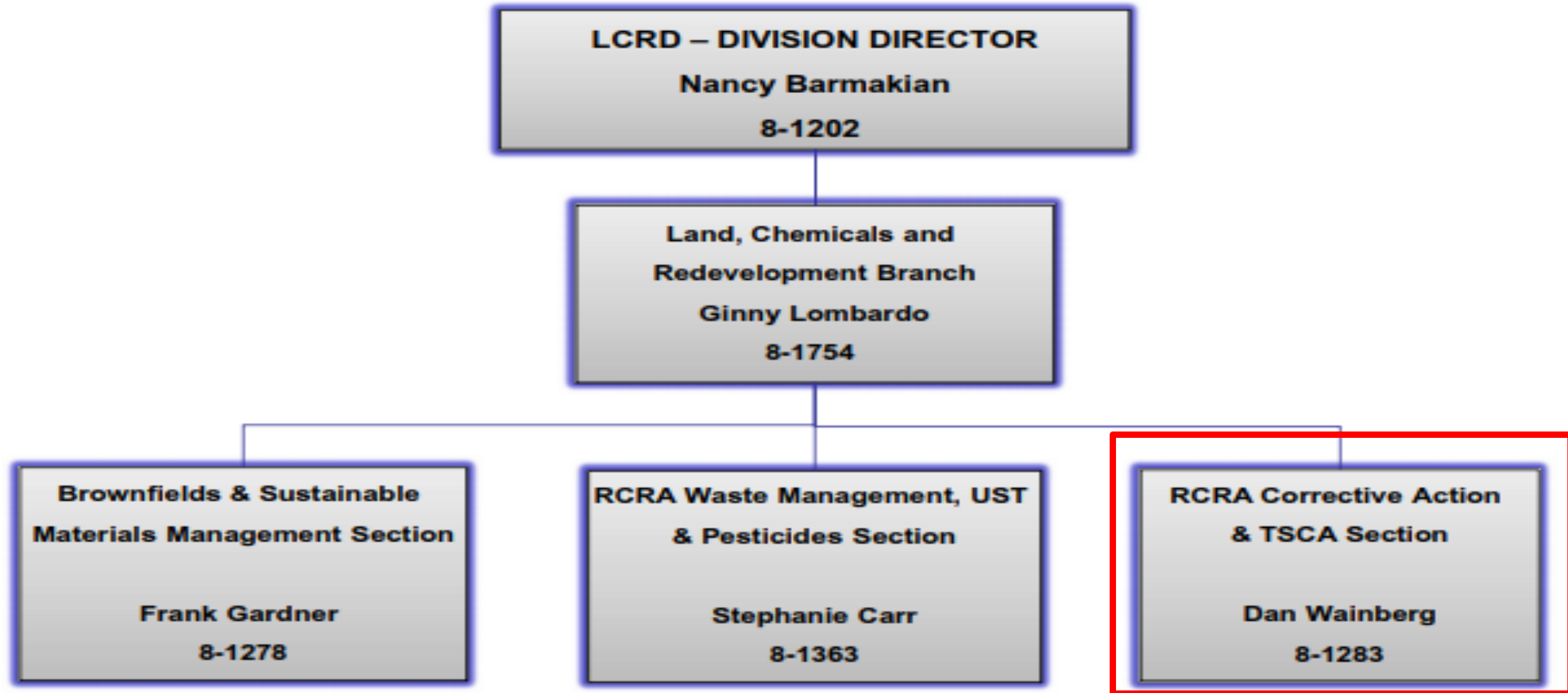
**Land, Chemicals &
Redevelopment
Division**

**Superfund & Emergency
Management Division**

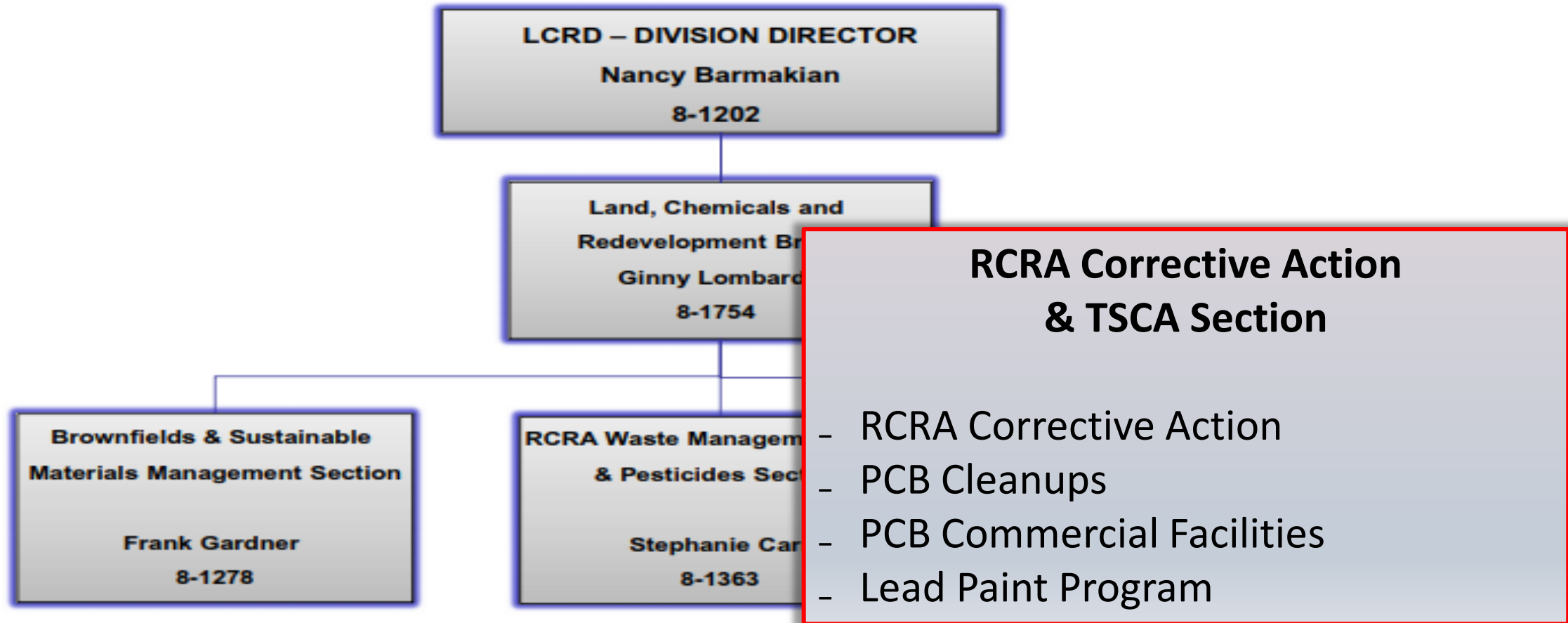
Water Division

**Laboratory Services and
Applied Science Division**

Land, Chemicals & Redevelopment Division



Land, Chemicals & Redevelopment Division



RCRA Corrective Action – National 2020 Goals

National GPRA Goals: By 2020, 95% of 2020 Baseline Facilities to meet:

- Human Exposures Under Control (CA725)
- Migration of Contaminated Groundwater Under Control (CA750)
- Remedy Construction (CA550)

National 2020 Projections:

- 96% - Human Exposures Under Control
- 91% - Migration of Contaminated Groundwater Under Control
- 79% - Remedy Construction

RCRA Corrective Action – 2030

VISION (“WHY”)

RCRA Corrective Action cleanups support healthy and sustainable communities where people and the environment are protected from hazardous contamination today and into the future.

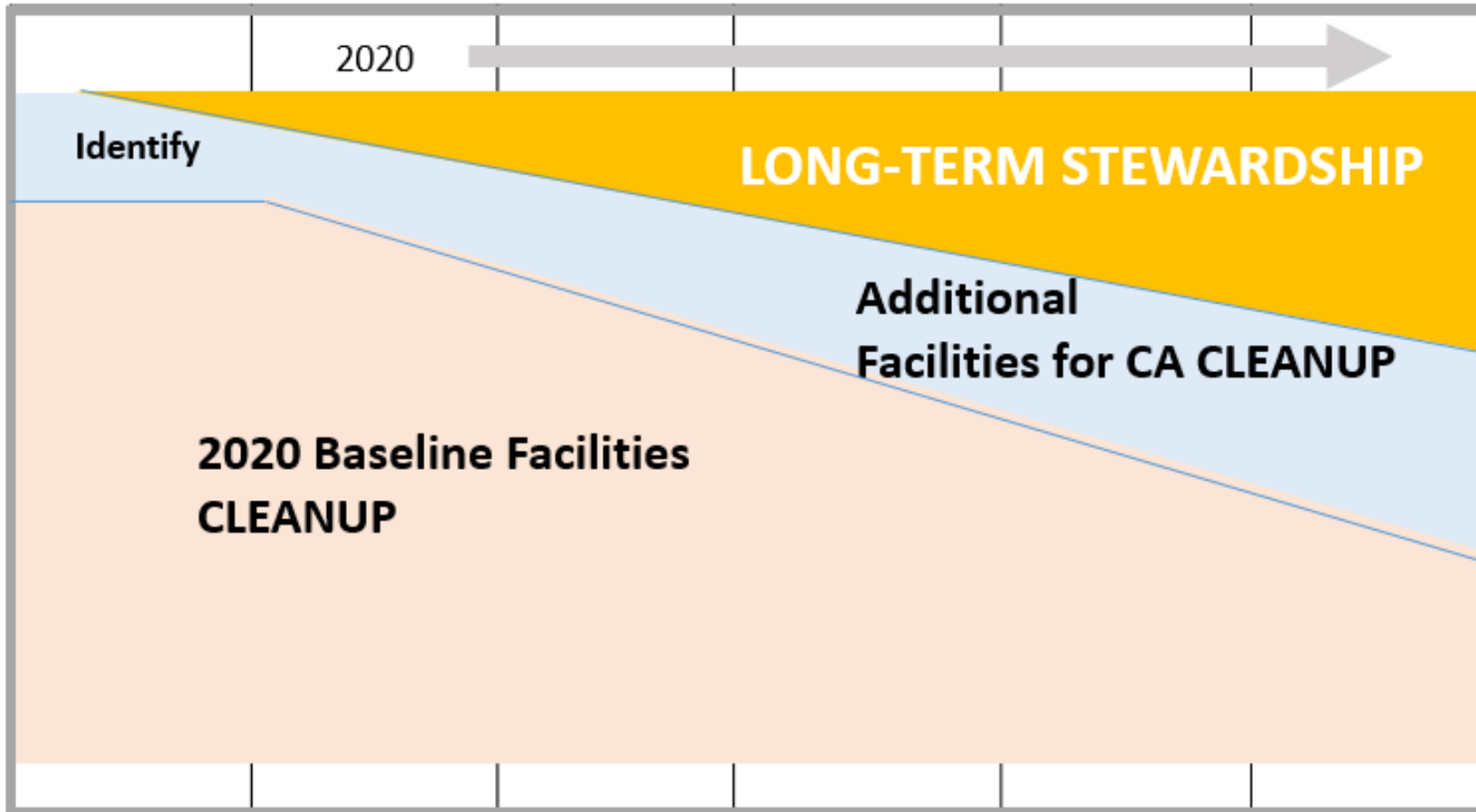
MISSION (“HOW and WHAT”)

EPA, states, and tribal partners work together to ensure that owners and operators of hazardous waste treatment, storage, and disposal facilities conduct effective and efficient cleanups to protect human health and the environment, support continued use, and make land ready for reuse including, if necessary, placement of controls to protect communities into the future.

2030 GOALS

1. Through 2030, the RCRA Corrective Action Program will ensure that RCRA cleanups are initiated and completed efficiently and expeditiously. Commitments regarding what work is planned and what progress is made will be visible to the public. An ambitious universe of cleanups will be identified for completion by 2030.
2. By 2030, the RCRA Corrective Action Program will eliminate or control adverse impacts beyond facility boundaries at RCRA Corrective Action facilities wherever practicable and the program will focus attention on cleanups that will not meet this target.
3. By 2030, the RCRA Corrective Action Program will ensure or confirm that land within facility boundaries at RCRA Corrective Action facilities will be safe for continued use or reasonably foreseeable new uses wherever practicable and the program will focus attention on cleanups that will not meet this target.
4. By 2025, the RCRA Corrective Action Program will **identify the key elements of effective Long-Term Stewardship** for Corrective Action cleanups, and **regions and states will have approaches in place to ensure implementation of the key elements.**
5. By 2022, program procedures will be in place to regularly adjust the universe of facilities in the cleanup pipeline to reflect current program priorities.

Evolution of the Program Universe





EPA – RCRA Corrective Action

DAN WAINBERG, CHIEF

RCRA CORRECTIVE ACTION AND TSCA SECTION, REGION 1

WAINBERG.DANIEL@EPA.GOV / 617.918.1283

QUESTIONS?





DEP Updates RCRA CAC Program

David Wright
Director, Division of Remediation

MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION

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Directive to RCRA CAC program

- Protect public health and the environment
 - Present
 - Future
- Financial Assurance
- Legally enforceable document



Internal Coordination

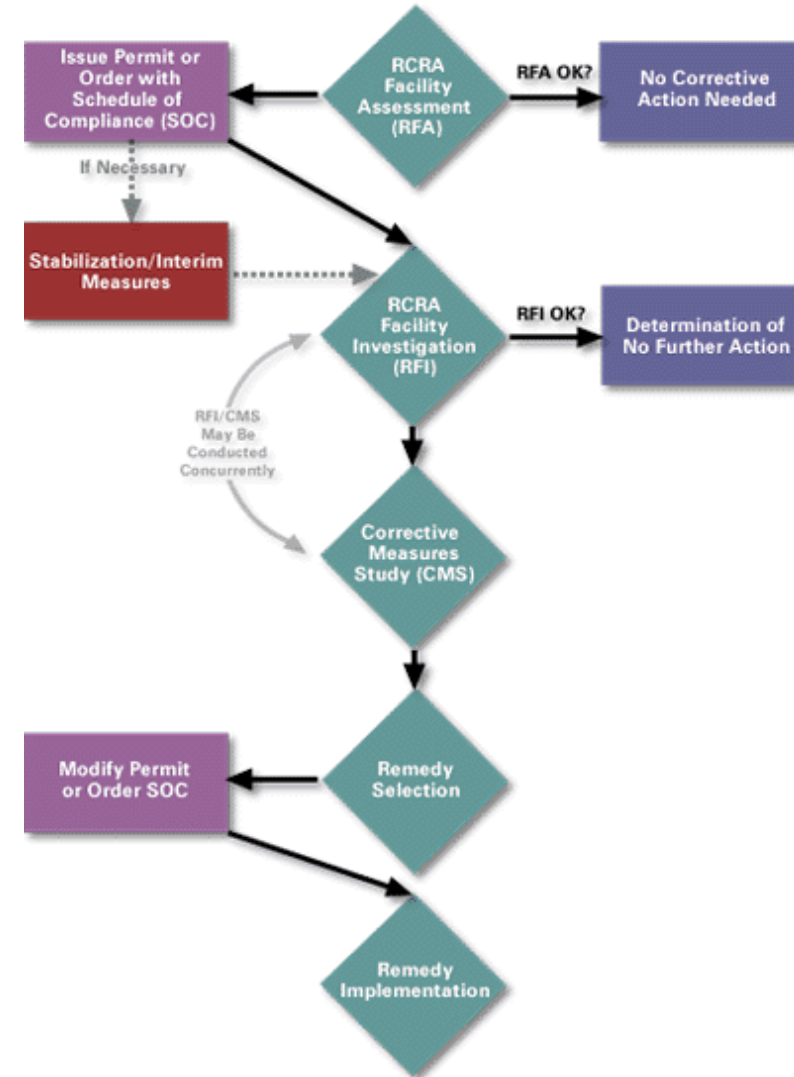
- Multiple remediation programs
 - Lead program
 - Lead project manager
- RCRA integration
 - Guidance / rules



Internal Coordination

- Consistent risk-based approach
 - Same steps
 - Conceptual Site Model
- ARARS

Image from EPA Region 5 corrective action program



PFAS

- Public health & environmental issues
- Options to address
 - Listing as Hazardous Waste
 - Listing as Hazardous Matter
 - Listing as Hazardous Substance
- Legislation (carry over)
- Funding - bond



RAG updates

- RSL Calculator
- PFAS Task Force
- Alignment with Petroleum Guidelines





Contact:

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QUESTIONS?





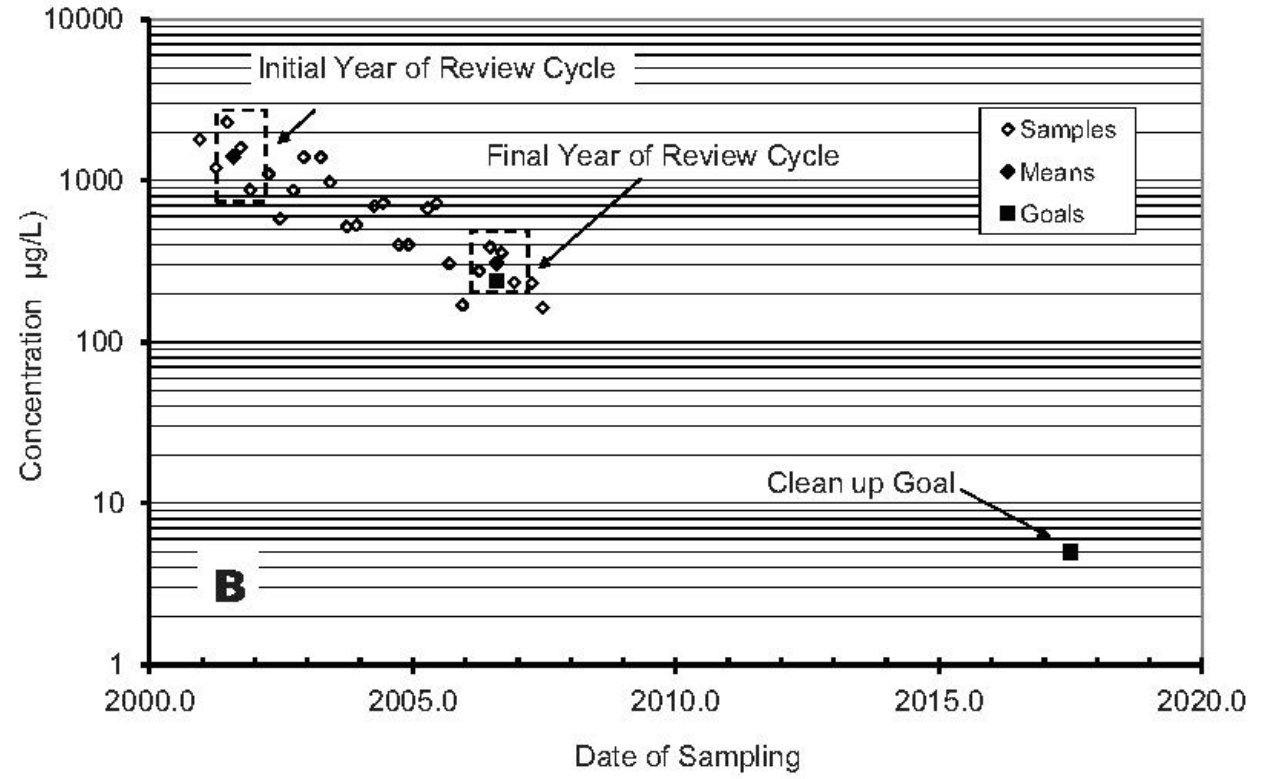
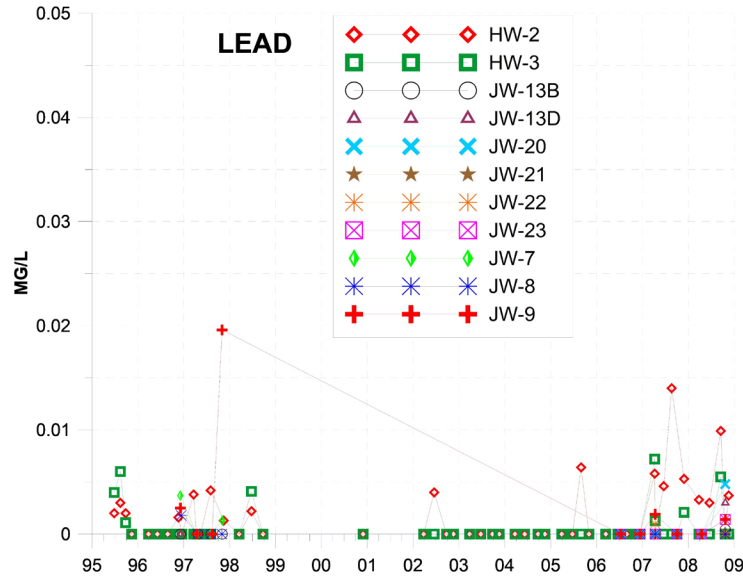
Groundwater Optimization

Troy Smith
Hydrogeology Unit Manager

MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION

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Groundwater Optimization 2020

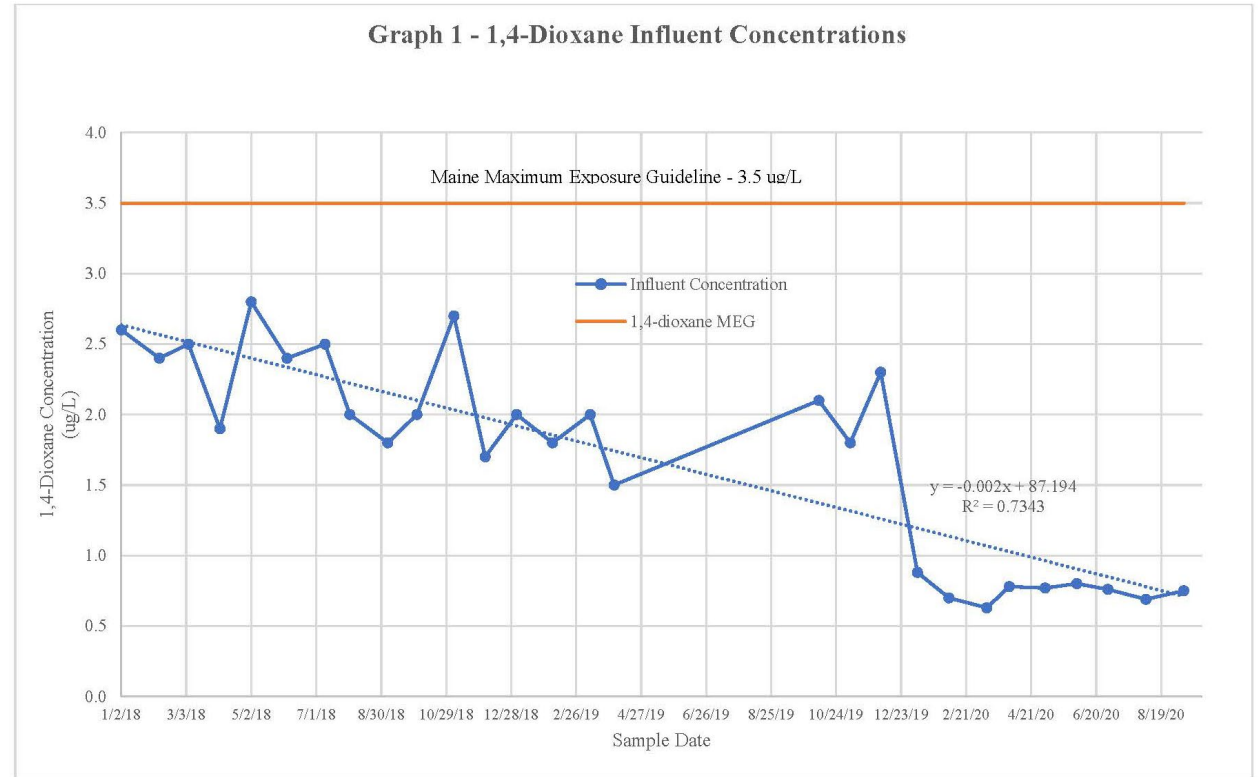
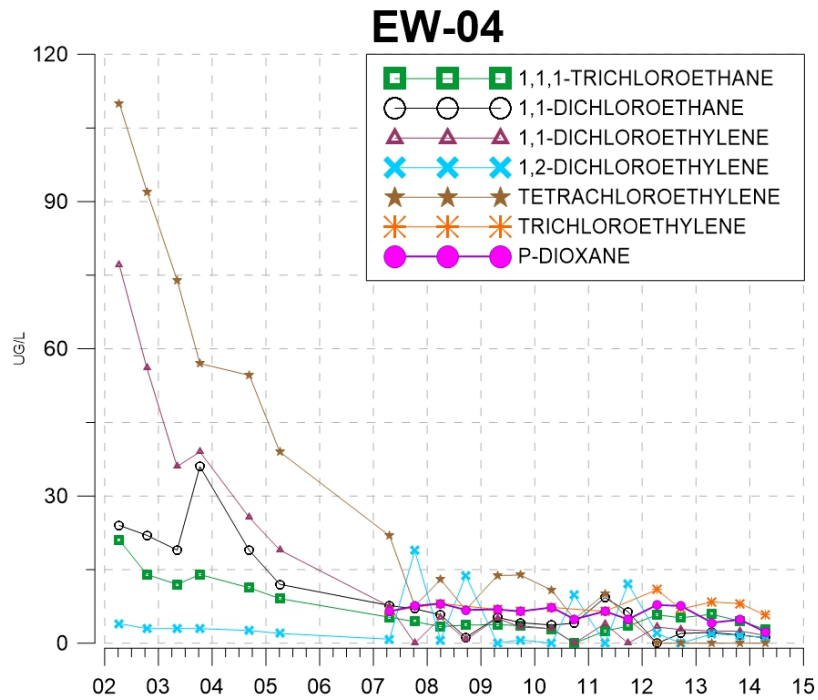


EPA 600/R-11/204 | December 2011 www.epa.gov/ada |



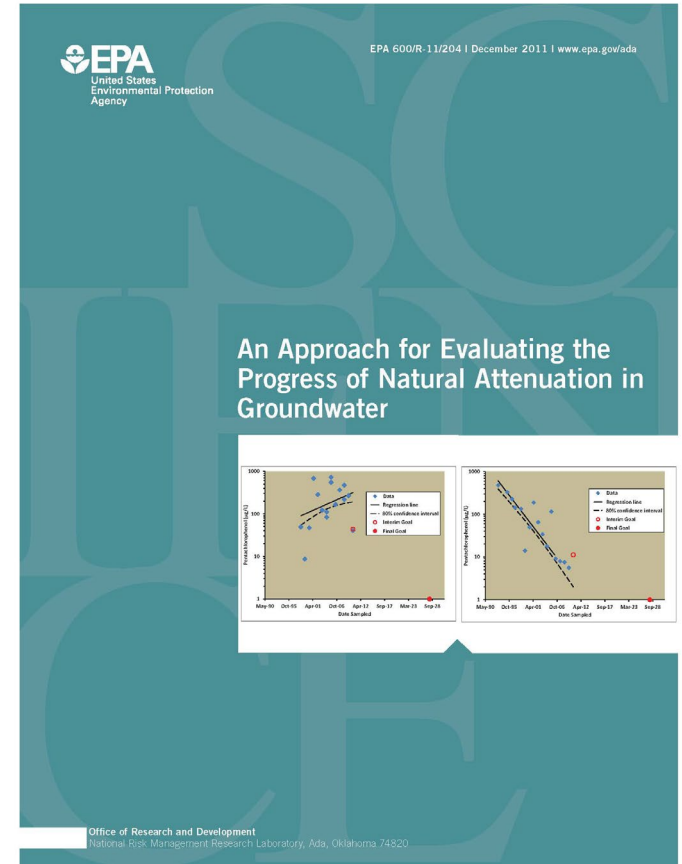
Groundwater Optimization – Key Components

- When do conditions support Groundwater Optimization (GO)?



Groundwater Optimization – Resources

- USEPA
- ITRC
- ASTM
- MEDEP



Groundwater Optimization

- Pump and Treat or other remediation systems
- Effectiveness of recovery
- Trial shutdowns
- Environmental cost /energy use of stripper vs less costly and equally effective methods



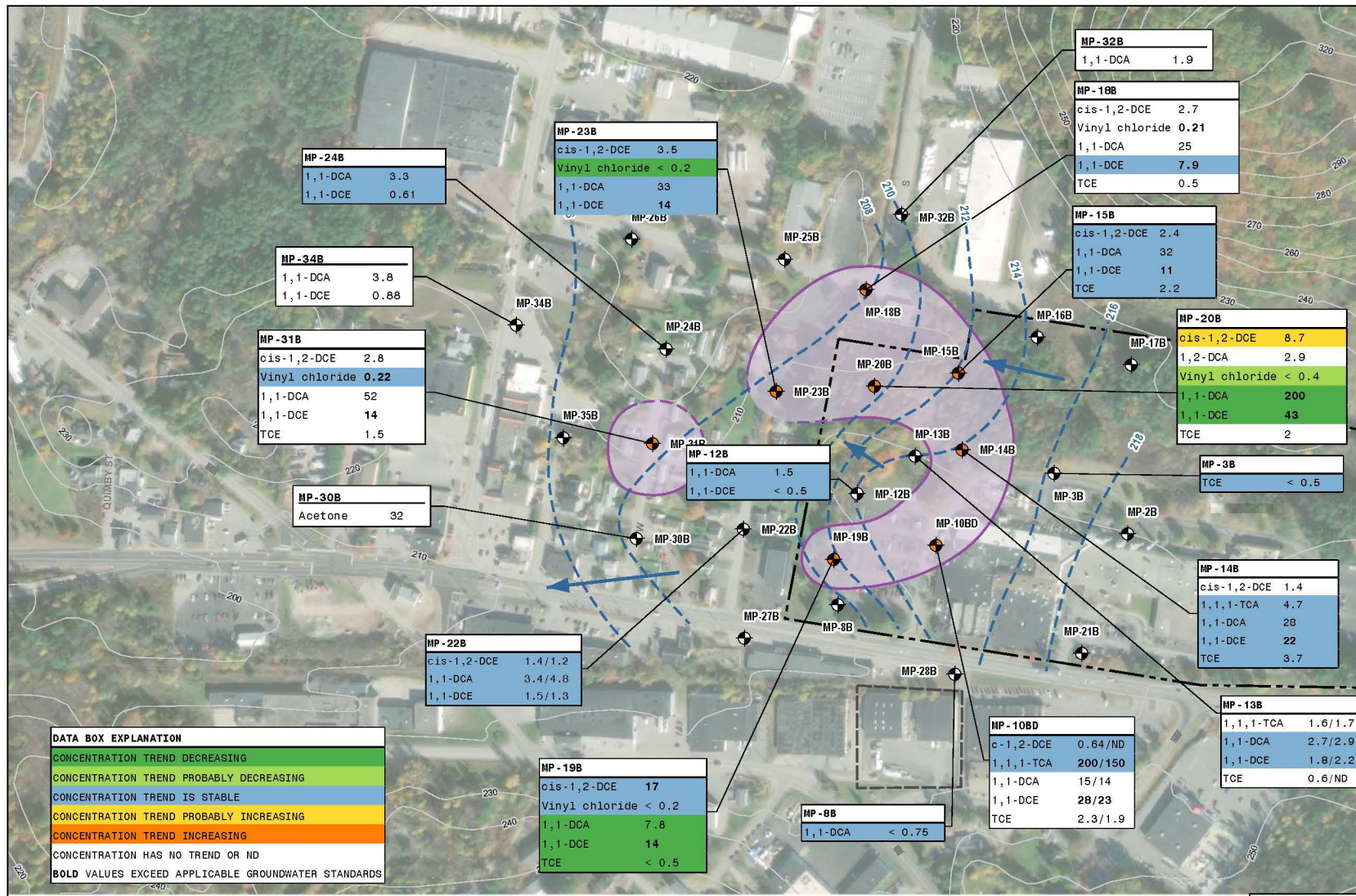
Groundwater Optimization

- Data evaluations at individual wells
- Predictive trend data
- Duplication
- Geospatial – focus monitoring on area of concern



Groundwater Optimization

Example of a Geospatial Analysis Summarizing Mann-Kendall Trend Analyses Results





Contact:

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QUESTIONS?





How To Implement Vision, Mission, Goals

Chris Swain
RCRA Corrective Action

MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION

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GOAL 1

- Through 2030, the RCRA Corrective Action Program will ensure that RCRA cleanups are initiated and completed efficiently and expeditiously. Commitments regarding what work is planned and what progress is made will be visible to the public. An ambitious universe of cleanups will be identified for completion by 2030.
- *For commitments and tracking, the program will use the relevant Corrective Action Program measures and will use flexible approaches appropriate for each region and state.*



GOAL 2

- By 2030, the RCRA Corrective Action Program will eliminate or control adverse impacts beyond facility boundaries at RCRA Corrective Action facilities wherever practicable and the program will focus attention on cleanups that will not meet this target
- *The program will develop procedures to identify and address emerging risk issues (e.g., vapor intrusion, evolving science) and address timelines for facilities brought into the program post-2020*



GOAL 3

- By 2030, the RCRA Corrective Action Program will ensure or confirm that land within facility boundaries at RCRA Corrective Action facilities will be safe for continued use or reasonably foreseeable new uses wherever practicable and the program will focus attention on cleanups that will not meet this target.
- *The program will develop procedures to address timelines for facilities brought into the program post- 2020.*



GOAL 4

- By 2025, the RCRA Corrective Action Program will identify the key elements of effective Long Term Stewardship of Corrective Action cleanups, and regions and states will have approaches in place to ensure implementation of the key elements.
- *The program will develop procedures to leverage interest and investment in new or existing commercial and community entities to sustain Long Term Stewardship controls.*



GOAL 5

- By 2022, program procedures will be in place to regularly adjust the universe of facilities in the cleanup pipeline to reflect current program priorities.



QUESTIONS?

