

# Federal Report Outs

**RRT5** 





Role	RRT Member	Agency	Contact Info
Primary	Jason El-Zein	US EPA	734-214-4900 El-zein.Jason @epa.gov
Alternate	Sam Borries	US EPA	312-353-8360 Borries.Samuel@epa.gov
RRT Coordinator	Barbi Lee	US EPA	312-886-5296 Lee.barbi@epa.gov

# Personnel Changes

- Jeff Lippert-SEMD ERB2 Section Supervisor
- Kristina Miller-Regional Contingency Planner (Chicago)
- Colin Hendrickson-OSC (Chicago)
- Allen Jarrell-OSC (Des Plaines)
- Jeff Wawczak-OSC (Des Plaines)
- Matt Blaser-Removal Support (Willowbrook)
- Departures
  - Tom Mendez (Water Division)

# Overview

- Drinking Water Emergency Toolbox
- Lithium Battery Fires
- Continue Tribal Engagement

## Superfund & Emergency Management Division

### Deputy Division Director Thomas Short

312-353-8826 Org # UH000000 (S-6J)

Jacqueline Dillard, AO, 312-353-8730  
Shelly Lam, LRC, 317-308-3073  
William Pulkownik, PA, 312-353-4416  
Ana Wiatr, PA, 312-886-4306

Joshua Gassman, Intern, 312-353-8069  
Samuel Heidorn, Intern, 312-353-3611  
Joy Peplinski, Intern, 312-353-1149

### Division Director

Douglas Ballotti  
312-353-9773 (S-6J)  
Org # UH000000

William (Bill) Greaves (SEEP)  
312-353-1056

IGMS Hotline	703/676-4499
EAS Hotline	202/564-2327
Cinn. SFO Help Desk	513/487-2346
LV SFO (Grants)	702/798-2411
Business (BAP) Forms	<a href="#">BAP SharePoint Site</a>
EPA Learning Site	<a href="#">SkillPort Login</a>

Emergency Response  
Branch #1 (SE-5J)  
Jason El-Zein  
734-214-4900 (6-6039)  
Org # UHA00000  
Tracy Johnson, PT

Emergency Response  
Branch #2 (SE-5J)  
Samuel Borries  
312-353-8360  
Org # UHB00000

Emergency Response  
Section #1 (SE-5J)  
James Augustyn  
440-250-1742  
Org # UHAA0000

Emergency Response  
Section #3 (SE-5J)  
Michael Ribordy  
312-886-4592  
Org # UHBA0000

Emergency Response  
Section #2 (SE-5J)  
Matthew Mankowski  
312-886-1842  
Org # UHAC0000

Emergency Response  
Section #4 (SE-5J)  
Jeff Lippert  
734-214-4896  
Org # UHBB0000

Chemical Emergency  
Preparedness &  
Prevention Section (SE-5J)  
Michael Hans  
312-353-5050  
Org # UHAD0000  
Meera Joshi, Intern

Enforcement Support  
Section (SE-5J)  
Carolyn Bohlen  
312-886-6541  
Org # UHBD0000

Remedial Response  
Branch #1 (SR-6J)  
Joan Tanaka  
312-353-5425  
Org # UHC00000

Remedial Response  
Section #1 (SR-6J)  
Karen Kirchner  
312-353-4669  
Org # UHCA0000

Remedial Response  
Section #6 (SR-6J)  
Jennifer Elkins  
312-353-4627  
Org# UHCB0000

Remedial Response  
Section #2 (SR-6J)  
Sarah Rolfes  
312-886-6551  
Org # UHCC0000

Site Assessment and  
Grants Section (SRS-6J)  
Denise Boone  
312-886-6217  
Org # UHCD0000

Remedial Response  
Branch #2 (SR-6J)  
Timothy Fischer  
312-886-5787  
Org# UHD00000

Remedial Response  
Section #3 (SR-6J)  
Jeffrey Thomas  
312-886-4061  
Org# UHDA0000

Remedial Response  
Section #4 (SR-6J)  
Terese Van Donsel  
312-353-6564  
Org # UHDB0000  
Bennie Thompson, APA

Remedial Response  
Section #5 (SR-6J)  
Leslie Blake  
312-353-7921  
Org # UHDC0000

Field Services  
Section (SRF-5J)  
Steven Padovani  
312-353-6755  
Org # UHDE0000

Operations Management  
Branch (SO-5J)  
Jaime Brown  
(312) 886-2256  
Org # UHE00000

FOIA and Records  
Management Section  
(SOF-6J)  
Evette Jones  
312-886-7572  
Org # UHED0000

Contracts Management  
Section (SOC-5J)  
Carl Norman  
312-886-5495  
Org # UHEE0000

Data and Budget  
Management Section  
(SOD-6J)  
Vincent Saunders  
312-353-9077  
Org # UHEF0000

# Laws/Regulations/Policies

- PFOA/PFAS Proposed Rule-The proposed rule to designate perfluorooctanoic acid (PFOA) and perfluorooctanesulfonic acid (PFOS), including their salts and structural isomers, as CERCLA hazardous substances was published in the FR. Comment period ends on November 7.
- Risk Management Program Safer Communities by Chemical Accident Prevention Proposed Rule:
  - Strengthens RMP regulations (40 CFR Part 68) following a review of existing RMP requirements.
    - Increased availability of information
    - Requiring safer technologies and alternative analysis for certain facilities with high accident rates
    - Greater employee participation
    - Third party audits for facilities with back track record for accidents
    - Evaluate risks for natural hazards and climate change
    - Enhancing facility planning and preparedness Risk Management Program Safer Communities by Chemical Accident Prevention Proposed Rule:
  - Public comments open until October 31, 2022

<https://www.epa.gov/rmp/risk-management-program-safer-communities-chemical-accident-prevention-proposed-rule>

# FY 2022 Numbers

As of September 28, 2022

- Removal Starts:

- Fund-lead

22

- PRP –lead with Enforcement Instrument

1

- PRP-lead Voluntary

8

- TOTAL:

31

- Removal Completions:

- Fund-lead

26

- PRP-lead with Enforcement Instrument

3

- PRP-lead Voluntary

6

- TOTAL:

35

- Oil Cleanup Starts

9

- Oil Cleanup Completions

8

OSCs responded to 31 emergency responses, 18 involving hazardous materials, 10 involving oil spills, and 3 emergency assessments.

# MAJOR INCIDENTS

- Shorewood Pesticide Fire, Shorewood, Illinois
- Interco Metaltronics Recycling Facility, Madison, Illinois
- Flint River Spill, Flint Michigan



# Accomplishments

- FRP Program
  - 28 Government Initiated Unannounced Exercises, 25 inspections, 42 Offsite Compliance Monitoring evaluations at FRP facilities
- SPCC Program
  - 24 SPCC inspections, 5 Offsite Compliance Monitoring evaluations
- Hosted ICS 300/400 training
- Exercise/Training
  - LEPC Exercise with the City of Chicago
  - FSE with Argonne National Lab
  - ICS 300/400 training

# Outlook

- Hurricane Ian Response
  - Currently only Drinking Water and Wastewater Subject Matter Experts
- Geographic Response Strategies
  - Sub-areas working on field verification
- RRT website upgrades ([rrt5.org](http://rrt5.org))
  - Oil response tactics
  - Air Monitoring Tables

# Accomplishments

Since last RRT meeting ~ 31 Mar 2021

EPA Region 5 Emergency Planning/Coordination Projects with Tribal Governments		
Description	Location	Dates
<b>Spill Response Exercises: Match-E-Be-Nash-She-Wish Band of Pottawatomis Indians (Gun Lake Tribe)</b> Tabletop exercises: (1) diesel spill at the government campus; (2) release of sodium hydroxide at the WWTP	Shelbyville, MI	August 24, 2022
<b>Spill Response Training and Tabletop Exercises: Nottawaseppi Huron Band of Potawatomi</b> Full day classroom spill awareness training and tabletop exercises: (1) diesel release at the public works yard; (2) release from tanker transporting brine from local production well	Athens, MI	September 20-21, 2022
<b>Keweenaw Bay Indian Community</b> Boom deployment training at the Falls River covering safety, spill response tactics on water, response equipment, boom types and configurations, waste management	L'Anse, MI	September 27, 2022

# Accomplishments

Since last RRT meeting ~ 31 Mar 2021

EPA Region 5 Emergency Planning/Coordination Projects with Tribal Governments		
Description	Location	Dates
Cultural Resource Exercise: <b>Gun Lake Tribe, Keweenaw Bay Indian Community, Little River Band of Ottawa Indians, Pokagon Band of Potawatomi and Grand Traverse Band</b>	Grand Rapids, MI	October 6, 2022
Enbridge Pipeline Crude Oil release TTX: <b>Leech Lake Band of Ojibwe</b>	Bemidji, MN	May 5, 2022
Enbridge Pipeline Crude Oil Release TTX: <b>Fond du Lac Band of Lake Superior Chippewa</b>	Carlton, MN	May 18, 2022
CP Train derailment Full Scale Exercise: <b>White Earth Nation</b>	Winger, MN	July 27, 2022
Tribal Talking Circle for the St. Croix River Planning Area. Emergency Tribal Consultation for ICS and NHPA consultations with <b>Mille Lacs Band of Ojibwe, St. Croix Chippewa Indians of Wisconsin, Lac Courte Oreilles Band of Lake Superior Chippewa Indians, and Great Lakes Indian Fish and Wildlife Commission (GLIFWC).</b>	Reserve, WI	May 19, 2022

# Outlook

Until Next RRT meeting

EPA Region 5 Emergency Planning/Coordination Projects with Tribal Governments		
Description	Location	Dates
<b>Spill Response Training and Tabletop Exercises: Hannahville Indian Community</b> Full day classroom spill awareness training and tabletop exercises: (1) fuel release from tanker delivering fuel at gas station; (2) release from railcars on rail line running adjacent to reservation	Harris, MI	October 25-26, 2022

# Two New Search Tools

## **Oil Response Tactics**

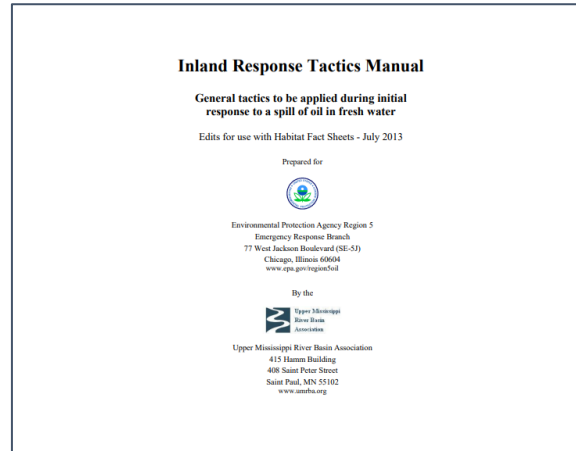
- Search by keyword, media, or response function
- Instructions and diagrams for response tactics

## **Air Monitoring Guidance**

- Search by chemical, instrument, or response situation
- Links to technical resources and documents
- Screening values and detection levels

# Dynamic Content

# Mobile- Friendly



## Oil Response Tactics

[Switch to Card View](#)

Keyword  Media All Function All

### Aerial Imagery

LIDAR (remote laser transmitting and sensing system) integrates lasers, GPS, and an Inertial Navigation System into a single system capable of acquiring data to produce accurate digital elevation models.

**Media:** Surface Water, Soil

**Function:** Recovery, Containment,

**Deployment Time:** 3+ hours

**Environs:** Surface water


### Overview


LIDAR (remote laser transmitting and sensing system) integrates lasers, GPS, and an Inertial Navigation System into a single system capable of acquiring data to produce accurate digital elevation models.


Fluorescent LIDAR System is a laser emitting technology that is capable of detecting a spectral fluorescent signature associated with residual oil and can

# Interactive Search Tools

## Oil Response Tactics


 Switch to Card View

Keyword 

Media 

All

▼

Function 

All

▼

	Tactic	Description	Media	
<div>View Details</div>	Aerial Imagery	LIDAR (remote laser transmitting and sensing system) integrates lasers, GPS, and an Inertial Navigation System into a single system capable of acquiring data to produce accurate digital elevation models.	<b>Media:</b> Surface Water, Soil	<div><b>Overview</b>  LIDAR (remote laser transmitting and sensing system) integrates lasers, GPS, and an Inertial Navigation ▲ ▼</div>



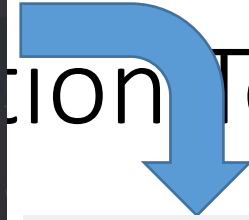
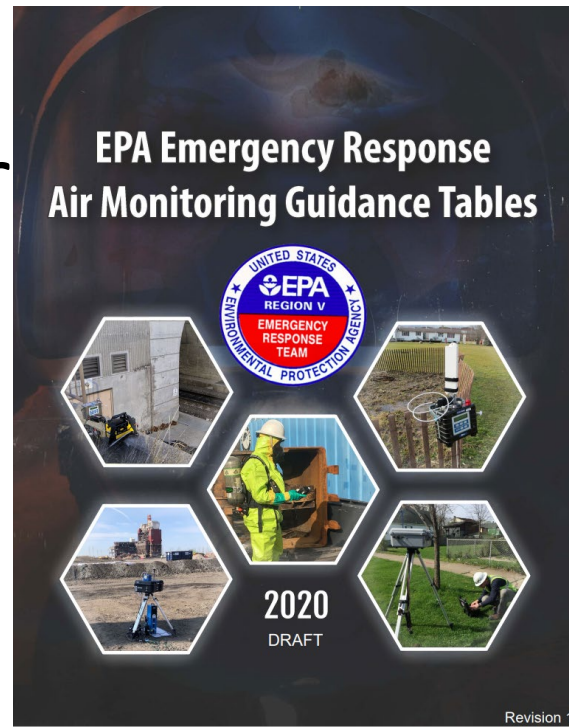
# List View

<a href="#">View Details</a>	<h2>Aerial Imagery</h2>	<p>LIDAR (remote laser transmitting and sensing system) integrates lasers, GPS, and an Inertial Navigation System into a single system capable of acquiring data to produce accurate digital elevation models.</p>	<p>Media: Surface Water, Soil</p>	<h3>Overview</h3> <p>LIDAR (remote laser transmitting and sensing system) integrates lasers, GPS, and an Inertial Navigation System into a single system capable of acquiring data to produce accurate digital elevation models.</p>
<a href="#">View Details</a>	<h2>Amphibex Dredging</h2>	<p>This method functions very similarly to the excavator-mounted submersible pump. The Amphibex® has an excavator arm that is mounted to the bow of the boat.</p>	<p>Media: Sediment</p>	<h3>Overview</h3> <p>This method functions very similarly to the excavator-mounted submersible pump. The Amphibex® has an excavator arm that is mounted to the bow of the boat.</p>
<a href="#">View Details</a>	<h2>Calculating Proper Deployment of Boom</h2>	<p>Entrainment refers to the loss of oil from containment when it is pulled under a boom by the water passage below. This typically occurs when boom is deployed at too high an angle.</p>	<p>Media: Surface Water</p>	<h3>Maximum boom entrainment</h3> <p>Entrainment refers to the loss of oil from containment when it is pulled under a boom by the water passage below. This typically occurs when boom is deployed at too high an angle.</p>

# Card View

<h2>Aerial Imagery</h2> <p>LIDAR (remote laser transmitting and sensing system) integrates lasers, GPS, and an Inertial Navigation System into a single system capable of acquiring data to produce accurate digital elevation models.</p> <p><b>Media:</b> Surface Water, Soil</p> <p><b>Function:</b> Recovery, Containment,</p> <p><b>Deployment Time:</b> 3+ hours</p> <p><b>Enviros:</b> Surface water</p> <hr/> <h3>Overview</h3> <p>LIDAR (remote laser transmitting and sensing system) integrates lasers, GPS, and an Inertial Navigation System into a single system capable of acquiring data to produce accurate digital elevation models.</p> <p>Fluorescent LIDAR System is a laser emitting technology that is capable of detecting a spectral fluorescent signature associated with</p>	<h2>Amphibex Dredging</h2> <p>This method functions very similarly to the excavator-mounted submersible pump. The Amphibex® has an excavator arm that is mounted to the bow of the boat.</p> <p><b>Media:</b> Sediment</p> <p><b>Function:</b> Recovery, Collection, Excavation, Removal,</p> <p><b>Deployment Time:</b> 3+ hours</p> <p><b>Enviros:</b> Shoreline</p> <hr/> <h3>Overview</h3> <p>This method functions very similarly to the excavator-mounted submersible pump. The Amphibex® has an excavator arm that is mounted to the bow of the boat.</p> <ul style="list-style-type: none"> <li>Conveyance lines are utilized to pump the dredged material to a</li> </ul>
<h2>Calculating Proper Deployment of Boom</h2> <p>Entrainment refers to the loss of oil from containment when it is pulled under a boom by the water passage below. This typically occurs when boom is deployed at too high an angle.</p> <p><b>Media:</b> Surface Water</p> <p><b>Function:</b> Collection, Recovery, Containment, Deflection, Exclusion</p> <p><b>Deployment Time:</b> 1+ hours</p> <p><b>Enviros:</b> Open Water</p> <hr/> <h3>Maximum boom deployment angles to prevent entrainment</h3> <p>Entrainment refers to the loss of oil from containment when it is pulled under a boom by the water passage below. This typically occurs when boom is deployed at too high an angle. An accurate determination of current direction and velocity is important in order to select the proper tactic and deploy the equipment correctly. The following tables should be used to determine the appropriate angle at which to set boom</p> <p>ically occurs when boom is deployed angle. An accurate determination of and velocity is important in order to</p>	<h2>Collection by Chain Drag: Large Equipment</h2> <p>The chain drag is an oil recovery tool for submerged environments with minimal debris (fallen trees or submerged stumps). The chain drag apparatus described here is too large for manual deployment.</p> <p><b>Media:</b> Surface Water</p> <p><b>Function:</b> Recovery, Collection,</p> <p><b>Deployment Time:</b> 3+ hours</p> <p><b>Enviros:</b> Open Water</p> <hr/> <h3>Overview</h3> <p>The chain drag is an oil recovery tool for submerged environments with minimal debris (fallen trees or submerged stumps). The chain drag apparatus described here is too large for manual deployment. It consists of 5/8-inch grade 8 metal chains attached to two-5-20 foot long, 2-4 inch diameter round metal spreader bars.</p>

# Air Monitoring Guidance Tool



## Air Monitoring Guidance

☰ Switch to List View

Print PDF

-- All Categories -- ▼ -- All Chemicals -- ▼

Acid Spill	Acetic Acid	Ammonia
Chemical Plant	Instruments	Instruments
Clandestine Lab	Drager Chip	Drager Chip
Electroplating	Drager Tube	Drager Pac III
General Industrial	Regulatory	Regulatory
Landfill	Important Links	Important Links
Spacecraft Debris	Air Table PDF	Air Table PDF
Tire		

QUESTIONS?



Role	RRT Member	Agency	Contact Info
Primary	LCDR Rachel Pryor	NOAA	202-577-6801 Rachel.L.Pryor@noaa.gov
Alternate	Adam Davis	NOAA	206-549-7759 Adam.Davis@noaa.gov



Scientific Support Coordinators lead science teams during spills, communicating spill trajectory forecasts, chemical hazards analysis, and assessments of the sensitivity of biological and human-use resources.



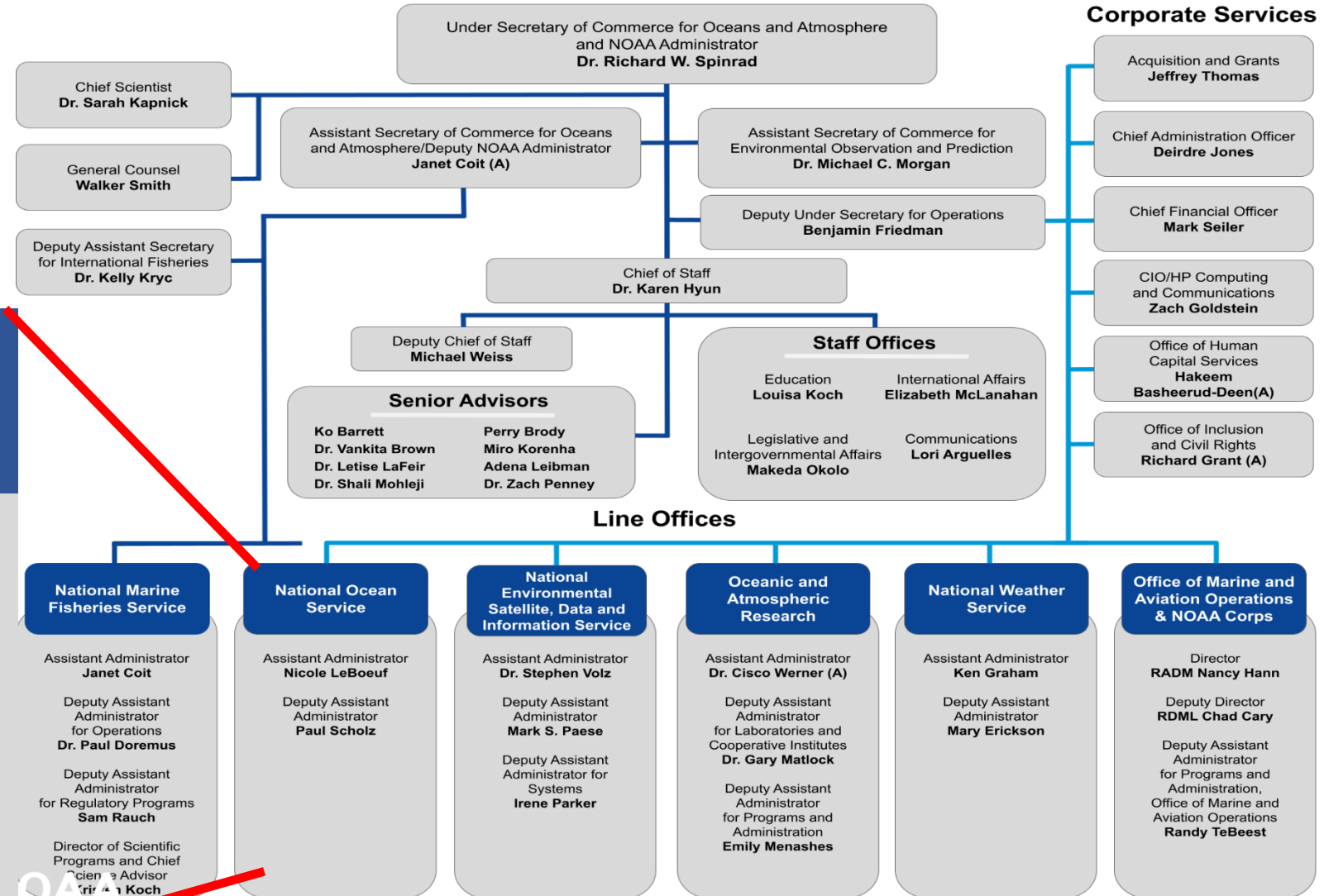


(PDO) = Performing the Duties of  
(A) = Acting

# NOAA Headquarters Organization



## Office of the Under Secretary for Oceans and Atmosphere



## Office of Response and Restoration Scott Lundren, Director

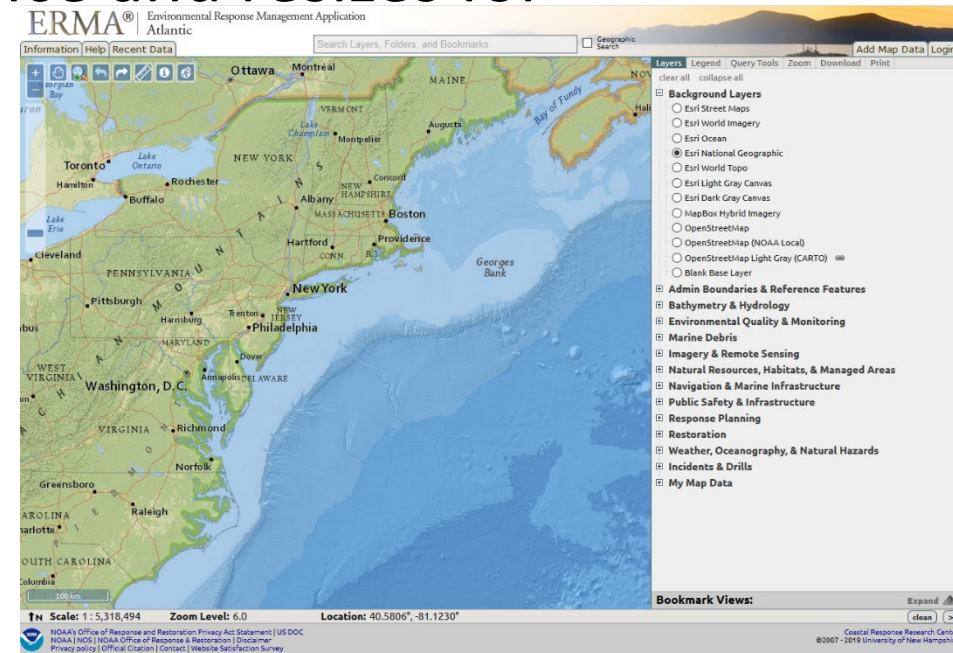
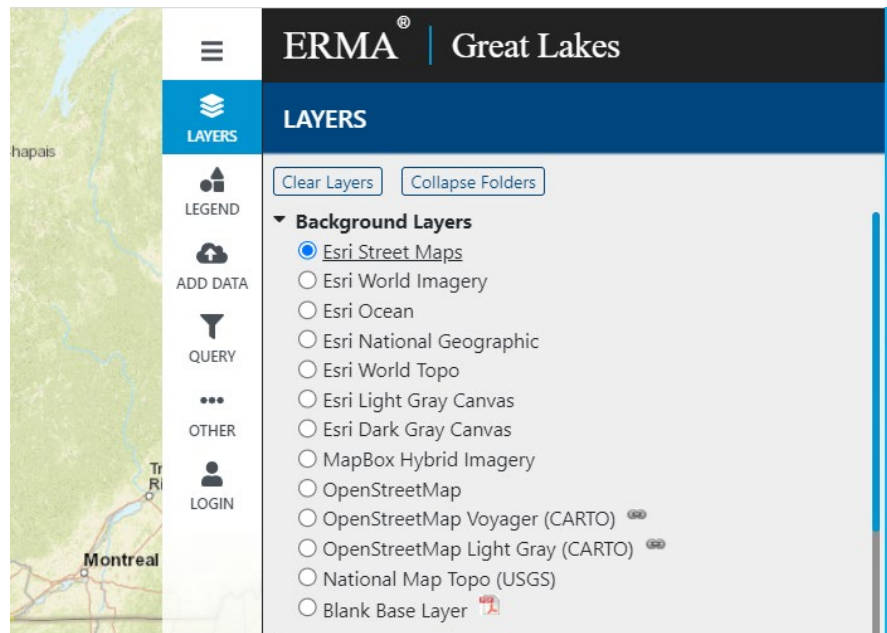
- Emergency Response Division
  - Scientific Support Coordinators
- Assessment and Restoration Division
- Marine Debris Program
- Disaster Preparedness Program

# Laws/Regulations/Policies

- National Contingency Plan 300.145 (c) Scientific Support Coordinators (SSCs) serve on the FOSC's staff and may, at the request of the FOSC, lead a scientific support team and be responsible for providing scientific support for operational decisions and for coordinating on-scene scientific activity.

# Updates

- Lake Erie Shoreline Environmental Sensitivity Index Map update complete! Download the new map on the Office of Response and Restoration Website and locate the data layers on ERMA.
- Environmental Response Management Application (ERMA) has a overhauled look and layout providing a streamlined interface to visualize and explore spatial data. The web-based mapping application now detects when a user is accessing via a mobile device and resizes for optimal viewing.

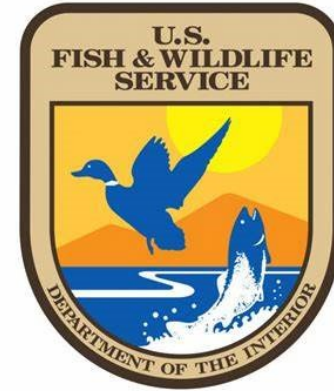




# Outlook

Until Next RRT meeting  
22-23 Mar 2022

Federal, state, and local Planning and Coordination Efforts		
Description	Location	Dates



Role	RRT Member	Agency	Contact Info
Primary	John Nelson	DOI/OEPC	215-266-5155 john_nelson@ios.doi.gov
Alternate	Sarah Bowman	USFWS	612-816-6199 sarah_bowman@fws.gov
Alternate	Faith Fitzpatrick	USGS	608-692-4891 fafitzpa@usgs.gov

# Infrastructure Investment and Jobs Act

## **Title VI – Methane Reduction Infrastructure**

Section 40601: Orphaned Well Site Plugging, Remediation, & Restoration

- \$4.677 billion total
- Expires 9/30/2030

### 1. State and Tribal Grant Program – OEPC

- \$4.3 billion for State and private lands [91.4%]
- \$150 million for work on Tribal lands [3.2%]

# Infrastructure Investment and Jobs Act

## What is an Orphaned Well?

- with respect to **Federal land or Tribal land** = a well...
  1. that is not used for an authorized purpose, such as production, injection, or monitoring; and
  2. for which no operator can be located;
  3. the operator of which is unable—
    - a. to plug the well; and
    - b. to remediate and reclaim the well site; or
    - c. that is within the National Petroleum Reserve AK
- with respect to **State or private land** –
  1. has the meaning given the term by the applicable State; or
  2. if that State uses different terminology, has the meaning given another term used by the State to describe a well eligible for plugging, remediation, and reclamation by the State.

# Infrastructure Investment and Jobs Act

## Eligible Uses of Funds

1. **Plug, remediate, & reclaim** orphaned wells
2. **Identify and characterize** *undocumented* orphaned wells
3. **Rank** orphaned wells based on factors including, public health / safety, potential environmental harm, & other land use priorities
4. Make information available on a **public website**
5. **Measure and track** –
  - emissions of **methane** and other gases associated with orphaned wells
  - **contamination** of groundwater or surface water
6. Remediate soil & **restore native species habitat** that has been degraded due to the presence of orphaned wells & associated pipelines, facilities, infrastructure
7. Remediate land adjacent to orphaned wells and decommission or remove associated **pipelines, facilities, infrastructure**
8. Identify and address any **disproportionate burden** of adverse human health or environmental effects of orphaned wells on communities of color, low-income communities, and Tribal & indigenous communities

# Infrastructure Investment and Jobs Act State Grants

- Initial Grant (\$775M)
  1. Small-scale: up to \$5M (capacity)
  2. Large-scale: up to \$25M
    - Lg-scale app deadline 5/13/22
    - Awards in July/August
- Formula Grant (\$2B)
  1. Job losses in O&G industry
  2. # documented orphaned wells
  3. Cost of plugging, reclamation, etc
    - State NOI deadline 12/31/21
    - State eligibility published 1/31/22
    - Draft guidance under internal review
    - Apps to begin ~August/Sept 2022 (60 days)
- Performance Grants (\$1.5B)
  1. Matching Grants
  2. Regulatory Improvements Grants
    - No sooner than 180 days > Initial Grant

# Infrastructure Investment and Jobs Act Tribal Well Options

## Direct Grant

1. 5 years to obligate
2. May be Competitive, Formula, or other

*or*

## In Lieu of a Grant

1. Request that DOI perform P&A on behalf of the Tribe
2. OEPC & IESC

\*\*\*\*\*

- Tribal listening sessions Feb 8-10, 2022
- Draft guidance under internal review
- Listening sessions late July
- Apps to begin ~ Aug/Sept (60 days)

# Infrastructure Investment and Jobs Act Contacts & Resources

- DOI Infrastructure Site

[www.doi.gov/priorities/investing-americas-infrastructure](http://www.doi.gov/priorities/investing-americas-infrastructure)

- State & Tribal Grants Program

[Orphanedwells@ios.doi.gov](mailto:Orphanedwells@ios.doi.gov)

[www.doi.gov/oepc/legacy-pollution-remediation-and-reclamation](http://www.doi.gov/oepc/legacy-pollution-remediation-and-reclamation)



# Accomplishments

Since last RRT meeting  
31 Mar 2021

Federal, state, and local Planning and Coordination Efforts		
Description	Location	Dates
Coordination with Great Lakes Center of Excellence		GLCOE Workshop (Sept. 19); ongoing
Support to ESA Biological Evaluation	Great Lakes	
Support to Area Committee Plans (Great Black Swamp, Southeast Ohio Inland, Northwest Indiana, Saginaw Bay, NLWM, etc.)	Various	
Saint Clair River Prep Drill		May, 2022

# Outlook

Until Next RRT meeting  
22-23 Mar 2022

Federal, state, and local Planning and Coordination Efforts		
Description	Location	Dates
Fluoride training with Upper Mississippi River Basin Association	TBD	2023 (exact dates TBD)
Northern Michigan ACP Review		
Wildlife Spill Response Across International Border		
RRT5 Habitat and Species Fact Sheet		



AGENCY FOR TOXIC SUBSTANCES  
AND DISEASE REGISTRY

Role	RRT Member	Agency	Contact Info
Primary	Motria Caudill, PhD, Environmental Health Scientist	ATSDR	Phone: 312-257-4853 (cell) Email: mcaudill@cdc.gov
Alternate			Phone Email

# Agency for Toxic Substances and Disease Registry

- Federal public health agency (non-regulatory)
- Created by the Superfund Law in 1980 (CERCLA)
- Mission: ATSDR protects communities from harmful health effects related to exposure to natural and man-made hazardous substances. We do this by responding to environmental health emergencies, investigating emerging environmental health threats, conducting research on the health impacts of hazardous waste sites, and building capabilities of and providing actionable guidance to state and local health partners.

## ATSDR program areas

- In Region 5, ATSDR in partnership with our State Cooperative Program
  - Public Health Assessments (PHAs)
  - Emergency Response
  - Health Education
- At ATSDR HQ in Atlanta
  - Toxicological Profiles
  - Exposure and Disease Registries
  - Health Effects Research

## ATSDR activities in Region 5 – examples of recent PHAs

Site Name	State	Location	Date
Analysis of Outdoor Air Contaminants - Reserve Management Group (RMG)	IL	Chicago	02/17/2022
Pike and Mulberry Streets PCE Plume - Analysis of Contaminants in Drinking Water and Indoor Air	IN	Martinsville	04/16/2020
Sterigenics International Inc. - Evaluation of Potential Health Impacts from Ethylene Oxide Emissions	IL	Willowbrook	08/21/2018
USS Smelter and Lead Refinery - Historical Blood Lead Levels in East Chicago, IN Neighborhoods Impacted by Lead Smelters	IN	East Chicago	08/16/2018

## MER Cases FY2022

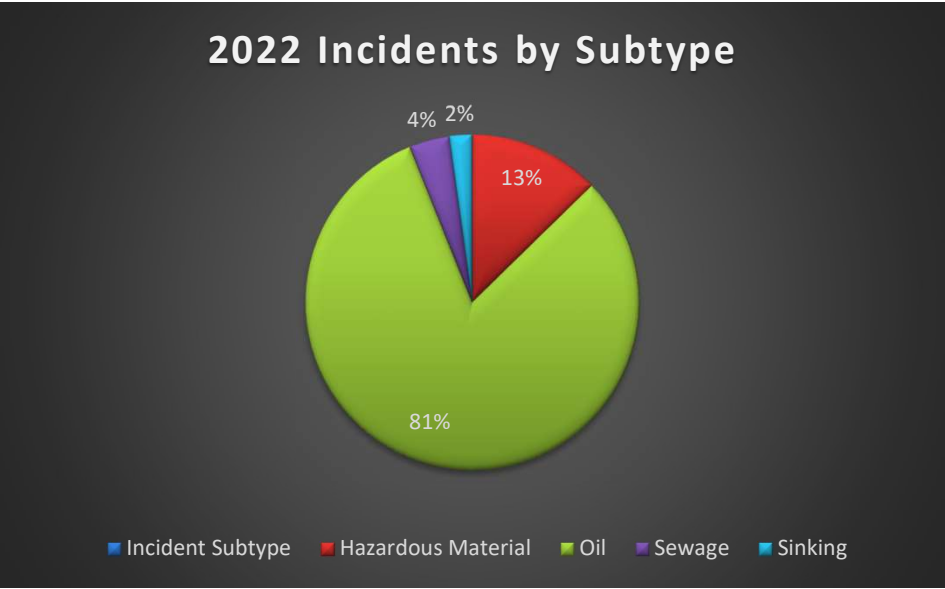
Response Cases as values	CG STA CHICAGO (000539)	CG STA FRANKFORT (000407)	CG STA GRAND HAVEN (000199)	CG STA KENOSHA (047609)	CG STA MANISTEE (000492)	CG STA MICHIGAN CITY (000018)	CG STA MILWAUKEE (000203)	CG STA MUSKEGON (006245)
FY 2022 Qtr 1	0	0	0	0	0	0	0	0
FY 2022 Qtr 2	0	0	0	0	0	0	0	0
FY 2022 Qtr 3	0	0	0	0	0	0	0	0
FY 2022 Qtr 4	0	0	0	0	0	0	0	0
FY 2022	0	0	0	0	0	0	0	0

\*Lake michigan has the majority of the cases because the command center creates the MISLE case

## MER Cases FY2021 for Comparison

Response Cases as values	CG STA CHICAGO (000539)	CG STA FRANKFORT (000407)	CG STA GRAND HAVEN (000199)	CG STA KENOSHA (047609)	CG STA MANISTEE (000492)	CG STA MICHIGAN CITY (000018)	CG STA MILWAUKEE (000203)	CG STA MUSKEGON (006245)
FY 2021 Qtr 1	0	0	0	0	0	0	0	0
FY 2021 Qtr 2	0	0	0	0	0	0	0	0
FY 2021 Qtr 3	0	0	0	0	0	0	0	0
FY 2021 Qtr 4	0	0	0	0	0	0	0	0
FY 2021	0	0	0	0	0	0	0	0

Incident Subtype		
Hazardous Material	23	13%
Oil	147	81%
Sewage	7	4%
Sinking	4	2%
Total	181	





<u>CG STA SHEBOYGAN (000461)</u>	<u>CG STA ST JOSEPH (000206)</u>	<u>CG STA STURGEON BAY (000534)</u>	<u>MSD STURGEON BAY (007866)</u>	<u>MSU CHICAGO (007865)</u>	<u>SEC LAKE MICH CMD CADRE (007846)</u>	<u>SECTOR LAKE MICHIGAN (007845)</u>	<u>SECTOR LAKE MICHIGAN (007845)</u>
0	0	0	0	5	2	29	36
0	0	0	1	3	1	25	30
0	0	0	1	8	1	38	48
0	0	0	1	13	3	50	67
<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>29</b>	<b>7</b>	<b>142</b>	<b>181</b>

<u>CG STA SHEBOYGAN (000461)</u>	<u>CG STA ST JOSEPH (000206)</u>	<u>CG STA STURGEON BAY (000534)</u>	<u>MSD STURGEON BAY (007866)</u>	<u>MSU CHICAGO (007865)</u>	<u>SEC LAKE MICH CMD CADRE (007846)</u>	<u>SECTOR LAKE MICHIGAN (007845)</u>	<u>SECTOR LAKE MICHIGAN (007845)</u>
0	0	0	0	7	0	24	31
0	0	0	1	10	2	18	31
0	0	0	0	4	0	47	51
0	0	0	1	9	1	60	71
<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>30</b>	<b>3</b>	<b>149</b>	<b>184</b>

Cases by Subunit		
Grand Haven	44	24%
MSU Chicago	95	52%
Sector Lake Michigan	21	12%
MSD Sturgeon Bay	21	12%
Total	181	

