



2020 Regional Response Team (RRT) 6 Fall Meeting Agenda

Register Here

<p style="text-align: center;">Co-Chairs: Craig Carroll, USEPA Michael Sams, USCG</p>	<p style="text-align: center;">Coordinators: Bray Fisher, USEPA Todd Peterson, USCG</p>
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Join Microsoft Teams Meeting

Meeting Call-in Number: (210) 469-3886 -- Passcode: 507 146 890#

General Meeting **Thursday, November 5, 2020**

0800 – 0815	Welcome, Introduction, & Review of Minutes	Co-Chairs & Coordinators
0815 – 0845	Review RRT-6 Priority List	Michael Sams, USCG
0845 – 0915	Mercury Response Initiative Update	Paige Delgado, USEPA
0915 – 0945	Bureau of Safety and Environmental Enforcement (BSEE) ACP Project Update	Gabrielle McGrath, RPS Group

0945 – 0955 **10-minute break**

0955 – 1025	RRT-6 Co-Chair Report Outs: <ul style="list-style-type: none"> U.S. Environmental Protection Agency (USEPA) U.S. Coast Guard (USCG) 	Craig Carroll, USEPA Michael Sams, USCG
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1025 – 1130	State Agency Report Outs: <ul style="list-style-type: none"> Arkansas: <ul style="list-style-type: none"> Arkansas Department of Energy and Environment (ADEE) Arkansas Division of Emergency Management (ADEM) Louisiana: <ul style="list-style-type: none"> Louisiana Department of Environmental Quality (LDEQ) Louisiana Oil Spill Coordinator’s Office (LOSCO) Louisiana State Police (LSP) Oklahoma: <ul style="list-style-type: none"> Oklahoma Department of Environmental Quality (ODEQ) Texas: <ul style="list-style-type: none"> Texas Railroad Commission (TRRC) Texas General Land Office (TGLO) Texas Commission on Environmental Quality (TCEQ) New Mexico: <ul style="list-style-type: none"> New Mexico Homeland Security and Emergency Management (NMHSEM) 	
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1130 – 1200 **Lunch**



2020 Regional Response Team (RRT) 6 Spring Meeting Agenda

General Meeting Continued

1200– 1330 Federal Agency Report Outs:

- | | |
|---|---|
| <ol style="list-style-type: none"> 1. Region 6 Tribes 2. Dept. of Homeland Security (DHS): <ol style="list-style-type: none"> a. Federal Emergency Management Agency (FEMA) b. Cybersecurity and Infrastructure Security Agency (CISA) 3. Dept. of Commerce (DOC) 4. Dept. of the Interior (DOI) 5. Dept. of Transportation (DOT) 6. Dept. of Health and Human Services (DHHS) | <ol style="list-style-type: none"> 7. Dept. of Labor (DOL) 8. General Services Administration (GSA) 9. Dept. of Agriculture (USDA) 10. Dept. of Defense (DoD) 11. Nuclear Regulatory Commission (NRC) 12. Dept. of Energy (DOE) 13. Dept. of Justice (DOJ) 14. Dept. of State (DOS) |
|---|---|

1330 – 1340	10-minute break
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1340 – 1440 USCG FOSC Reports (unit reps from each of the below will present ~10 min):

1. Sector Corpus Christi
2. Sector Houston-Galveston
3. MSU Port Arthur
4. MSU Houma
5. Sector New Orleans
6. Sector Lower Mississippi River

1440 – 1455 Open Forum All

1455 – 1500 Closing Remarks Co-Chairs

1500	Adjourn
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Dates for next RRT Meetings			
Spring 2021	Addison, TX	Confirmed	05 – 06 May 2021
Fall 2021	Addison, TX	Confirmed	03 – 04 Nov 2021
Spring 2022 (RRT-6 Only) or <i>Joint Meeting with RRT-4</i>	Addison, TX or Baton Rouge, LA	Confirmed	04 – 05 May 2022



Priority List -- In Progress or Continuing

	Priority	Assigned	Status
1.	Monthly EC Teleconferences	Executive Committee	Ongoing
2.	Conduct Incident-Specific RRT (ISRRT) Teleconferences <i>(Document Results)</i>	RRT Function	Ongoing
3.	Develop Region 6 RRT Evaluation Job-Aids for Alternative Response Technologies	Preparedness Committee	On Hold
4.	Improved Coordination of Natural Resource Damage Assessment (NRDA) with Response	Preparedness Committee	On Hold
5.	Mercury Response Initiative	Executive Committee	In Progress
6.	Develop Non-Synthetic Loose Sorbent Guidance	Executive Committee	On Hold
7.	Develop Air Monitoring Best Practices	Executive Committee	In progress
8.	Develop Fish and Wildlife and Sensitive Environments Plan (FWSEP)	Executive Committee	In progress
9.	Develop Offshore Worst Case Discharge Appendix	Executive Committee	In progress



2020 Regional Response Team (RRT) 6 Fall Meeting – Mercury Initiative
EPA Region 6 On-Scene Coordinator (OSC) Paige Delgado
Delgado.paige@epa.gov



DANGER

MERCURY WARNING:
VAPOR HARMFUL AT ROOM TEMPERATURE
MAY BE FATAL IF HEATED IN THE OPEN
DO NOT BREATHE VAPORS
USE WITH ADEQUATE VENTILATION
AVOID SKIN CONTACT



Origin of Region 6 Mercury Initiative

- Resource Intensive Mercury Clean-Ups
- Health Threat and Property Damage
- Limited EPA Region 6 Resources
 - Budget
 - Available Response Personnel
 - Mercury Testing/Monitoring Equipment
 - Regional Priorities
- Various Approaches to Mercury Response in TX, LA, OK, AR, NM
 - Response Budget
 - Trained Personnel
 - Mercury Testing/Monitoring Equipment
 - State Response Priorities
 - Mercury Disposal Options (HHW, Fire Depts, etc.)
 - Outreach Programs



Next Steps (presented at Spring RRT Meeting)

1. Receive Remaining/Additional Needs Assessment Information from State Partners
2. Identify State-Specific “Gaps” for Mercury Response/Spill Prevention
 - a. Response Budget
 - b. Trained Personnel
 - c. Mercury Testing/Monitoring Equipment
 - d. Mercury Disposal Options (HHW, Fire Depts, etc.)
 - e. Outreach Programs
3. Identify Best Practices in State Programs to share
4. Develop Collaborative State-Specific Plan to address “Gaps” for Mercury Response/Spill Prevention
 - a. EPA in coordination with State Resources
 - b. Establish Schedule for Plan Implementation
5. Initiate State-Specific Mercury Response/Spill Prevention Plans



Timeline



April 28, 2020

Contacted Region 6 State Environmental Departments to assign team members for the Mercury Initiative

May 8, 2020

Received initial Mercury Release/Response data from State team members.

May 14, 2020

Distributed “Need Assessment” questionnaire to Region 6 State Environmental Department Representatives to assess the available Mercury Release/Response:

- Trained personnel
- Equipment
- Budget
- Disposal Options
- Outreach Programs



Region 6 State Agency Reps



- New Mexico Environmental Department (NMED)
 - Srikanth Paladugu
- Oklahoma Department of Environmental Quality (ODEQ)
 - Jon Reid & Steven Gunnels
- Arkansas Department of Energy & Environment
 - Heather Saco
- Louisiana Department of Environmental Quality (LDEQ)
 - Jerry Lang & Daniel Lambert
- Texas Commission on Environmental Quality (TCEQ)
 - Anthony Buck & Chris Wiatrek



Results

Consistent
Response from all
Region 6 States:

Training Needed



Monthly Training Teams Meetings

1. Introduction
2. Human Health Effects
3. Initiation of Response (8/18)
4. OSC Initial Response
5. Initial Assessment and Screening/
Sampling of Air with a Handheld MVA
(12/8)
6. Additional Media Screening, Sampling,
and Analytical Methods (12/8)
7. Exposure Limits (8/18)
8. Relocation of Residents
9. Cleanup Process (9/22)
10. Disposal (10/27)
11. Restoration, Replacement, and
Reimbursement
12. Reoccupation
13. Responder Health and Safety (8/18)

~25 Total Attendees (~10 State Reps)



Timeline

June 30, 2020
First monthly mercury initiative conference call- EPA discussed/presented mercury training based on the National Elemental Mercury Guidebook

August 4, 2020
Mercury initiative monthly conference call:
State/Agency-specific Residential/Community Hg Collection/Disposal

September 15, 2020
Mercury initiative monthly conference call:
• Community Outreach

October 13, 2020
Mercury initiative monthly conference call:
• State/Agency-specific, Site-specific Response Plans and HASP

July 14, 2020
Mercury initiative Survey 123 Tool development (internal).

August 18, 2020
Mercury initiative training:
• Module 3 – Initiation of the Response
• Module 7 – Exposure Limits
• Module 13 – Responder Health and Safety

September 22, 2020
Mercury initiative training:
• Module 9 – Cleanup Process
• Presented Survey 123 Tool

October 27, 2020
Mercury initiative training:
• Module 10 - Disposal



Next Steps

1. Continue to provide monthly Mercury Response Training to State/Local/Federal Partners
2. Continue to collaborate with RRT6 Mercury Initiative State Representatives with a focus on State-Specific “Gaps” for Mercury Response/Spill Prevention:
 - Response Budget
 - Trained Personnel
 - Mercury Testing/Monitoring Equipment
 - Mercury Disposal Options (HHW, Fire Depts, etc.)
 - Outreach programs
3. Finalize State-Specific Mercury Response/Spill Prevention Plans
4. Facilitate on-going dialogue for State/Local/Federal Responders on Mercury Prevention/Response



Remaining 2020 Timeline



November 16, 2020
Mercury initiative monthly
conference call:

- Present State/Agency-Specific Mercury Response Plans

December 15, 2020
Mercury initiative monthly
conference call:

- Mercury Equipment and Sampling
- State/Agency Response Plan Overview

December 8, 2020

Mercury Initiative Training:

- Module 6 - Initial Assessment and Screening Sampling of Air with a Handheld MVA
- Module 7 - Additional Media Screening, Sampling, and Analytical Methods



response.epa.gov/RRT6MercuryInitiative

RRT6 Mercury Initiative Website

- Hosted by EPA
- Open to State/Local/Federal Partners to collaborate
- Links to mercury resources
 - Maps
 - Disposal facilities
 - State/Federal websites
- State/EPA – specific guidance
- Outreach/Factsheets
- Request Login/Access

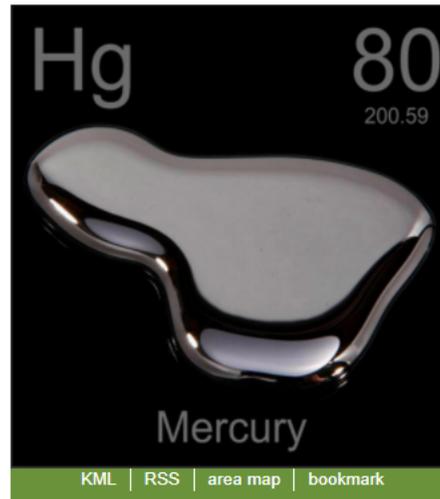


[Profile](#) | [Notices](#) | [Images](#) | [Documents](#) | [Contacts](#) | [Links](#) | [Account](#) ▾

RRT6 MERCURY INITIATIVE



DALLAS, TX - REGION VI



Site Contact:

Paige Delgado
On-Scene Coordinator
delgado.paige@epa.gov

All Region 6 States
Dallas, TX 75270
response.epa.gov/RRT6MercuryInitiative

[Edit Site Info](#)

[Edit Contaminants](#)

The RRT6 Mercury Initiative is a collaborative effort between EPA/USCG and Arkansas, Louisiana, New Mexico, Oklahoma, and Texas State and Local Agencies with a focus on improving the efficiency of Mercury Spill Response and Mercury Spill Prevention. The Initiative focuses on:

- Protocols for Mercury Detection, Response, and Clean-up
- Training
- Equipment – Monitoring, Sampling, PPE
- Disposal Resources for Residents/Communities
- Gaps in Mercury response capabilities
- Outreach Programs to educate on the dangers of mercury and promote safe handling and disposal
- Plans/schedule to increase residential mercury clean-up capabilities

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RESOURCES

Notices

None for this site

Images

None for this site

Documents

[State Specific Mercury Respons...](#)
[Site Specific Mercury Response...](#)
[Interactive Google Map - Therm...](#)
[Editable Fill in the Blank - M...](#)
[List All...](#)

Contacts

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Section Chief
smalley.bryant@epa.gov
[List All...](#)

Links

[Don't Mess with Mercury — A me...](#)
[EPA Region 7 to Distribute "Me...](#)
[DVD of MERCURY AN EDUCATOR'S T...](#)
[ODEQ Mercury Program...](#)
[List All...](#)



Region 6 State Agency Reps

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Comments/Questions?



Introduction

- The primary goal of the DWH response was to cap the damaged well, to drill relief wells to fully shut-in the reservoir (secure the source), and to mitigate damage to the environment



In fact, the most important priority was human life, health, and safety

- During any spill response, personnel safety is always the first consideration
 - The first personnel on site performing well-control operations typically face the most severe conditions
 - Adverse atmospheric conditions which present inhalation hazards, such as high VOC concentrations, can require the use of restrictive PPE which may slow operations
- The primary question addressed here relative to personnel safety is “Did SSDI lead to a significant reduction of atmospheric VOCs?”

Introduction

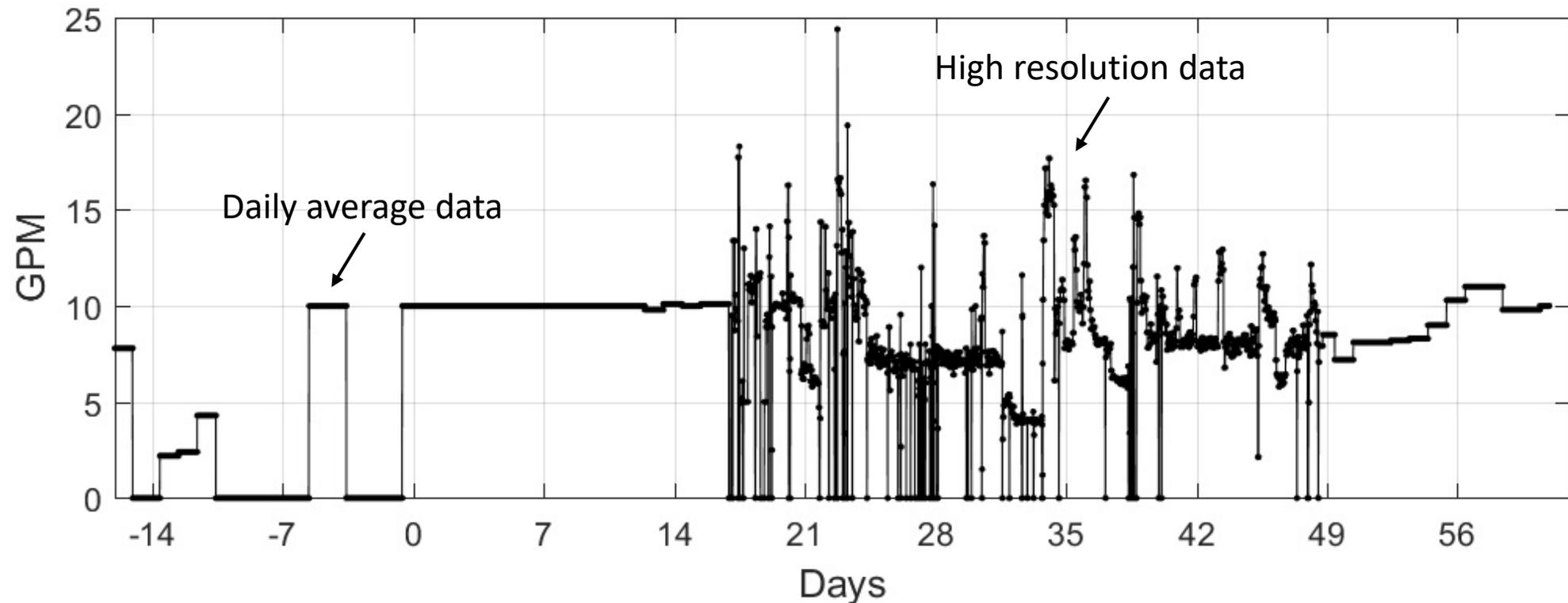
- SSDI was approved for initial use during the Deepwater Horizon Incident in early May 2010
- Logistical and regulatory constraints resulted in an average SSDI rate of 7.5 GPM. A constant release rate of 37,100 BPD equates to a Dispersant to Oil ratio (DOR) of $\sim 1:140$ (one gallon of dispersant to 140 gallons of oil)
- Effective SSDI reduces the size of oil droplets which reduces their rise velocity
- The reduction in rise velocity has two effects: (1) increases volume of oil dispersed subsea, and (2) oil is transported further from the leak source prior to surfacing and forms thinner slicks
- Both effects act to reduce VOCs above the release point
- Subsequent research suggests a DOR of 1:100 or greater (*e.g.*, 1:75 or 1:50) is required for SSDI to optimally disperse oil

Data

- GRIIDC – Gulf of Mexico Research Initiative Information and Data Cooperative (<https://data.gulfresearchinitiative.org/>)
 - Daily average SSDI rate
 - Personal sampler VOC measurements
- BP via RPS
 - High resolution SSDI data (www.diver.orr.noaa.gov)
- NODC Scribe database
 - AreaRAE VOC measurements
 - https://data.nodc.noaa.gov/DeepwaterHorizon/Special_Collections/Scribe_Database_Collection/Databases/1121_TS_Monitoring/

SSDI Data

- Regular SSDI operations begin on May 16 and concluded on July 15
 - High resolution data (variable time step) from June 1 (Day 17) through July 3 (Day 49) (BP)
 - Daily average rate data from April 30 (Day -16) through July 15 (Day 61) (GRIIDC)



AreaRAE Instruments

Photoionization Detector (PID)

- 10.6 eV ultraviolet light
 - Ionizes all organic compounds with an ionization energy below 10.6 eV
 - Not species specific – cannot isolate specific hydrocarbons
 - In general, the larger the molecule or the more double and triple bonds it contains, the easier it ionizes
 - Monitors continuously
 - 0.01 PPM to 2000 PPM effective range
 - Due to the depth of the release, the most soluble hydrocarbons were dissolved into the water column



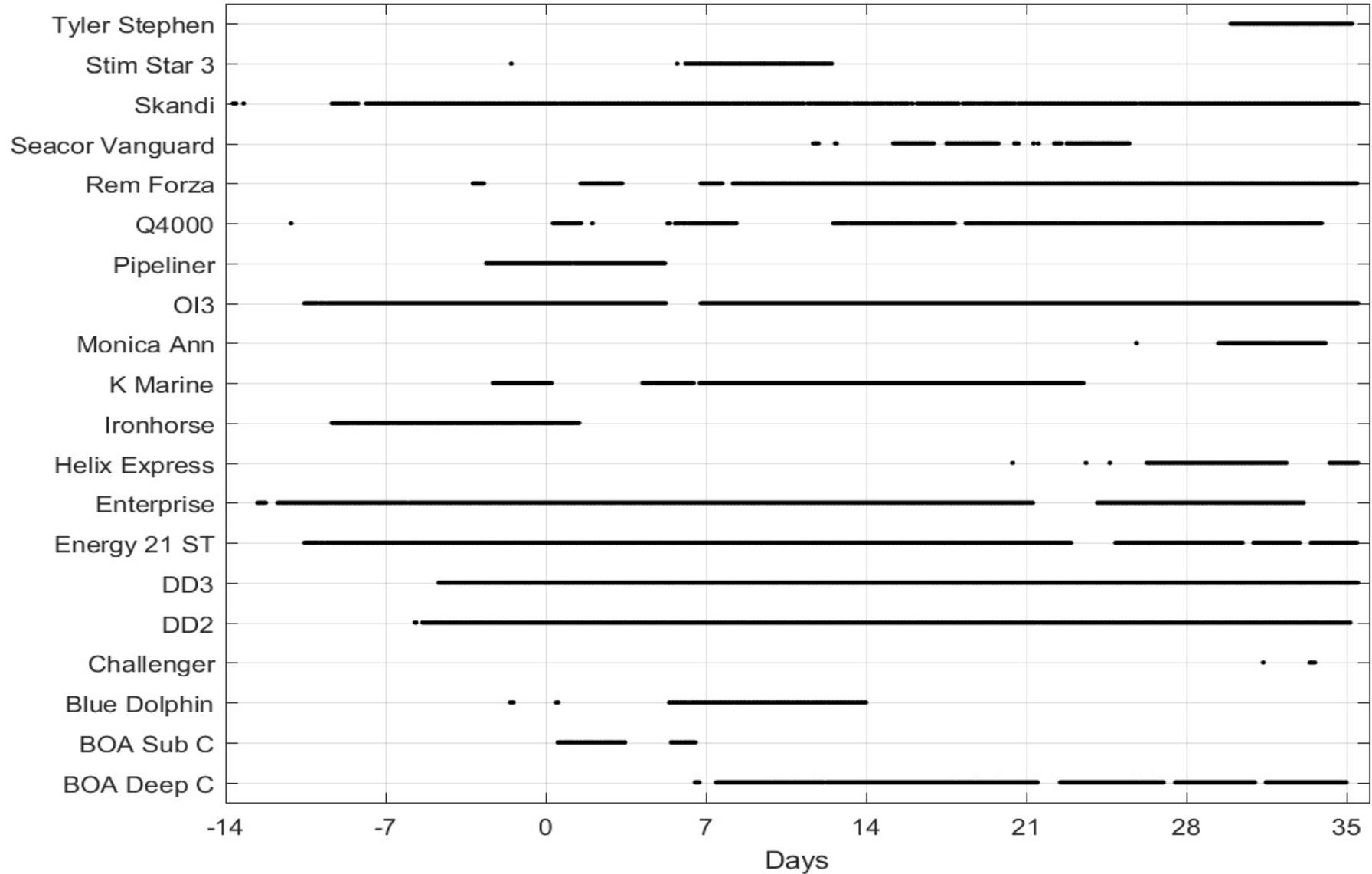
AreaRAE VOC Data

94,816 measurements collected on 20 vessels within the SIMOPS* region

- Data in the Scribe database are 15 minute averages reported once per hour
- Median concentration: 0.03 PPM
- Mean concentration: 4.1 PPM
- Maximum concentration: 1948.6 PPM

* SIMOPS = simultaneous operations zone – 5 nautical mile circle around well head location

AreaRAE Temporal Coverage



AreaRAE Data

Through May 15:

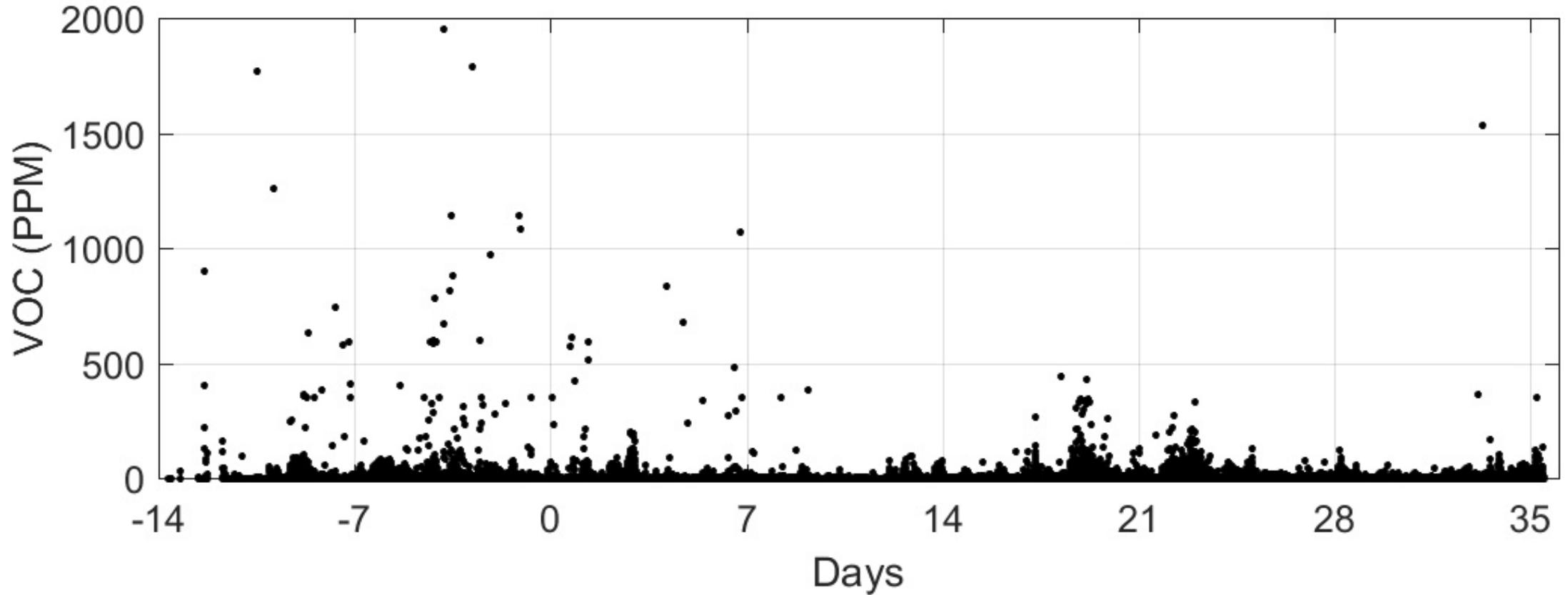
Median: 0.16 PPM

Mean: 10.3 PPM

After May 15:

Median: 0.02 PPM

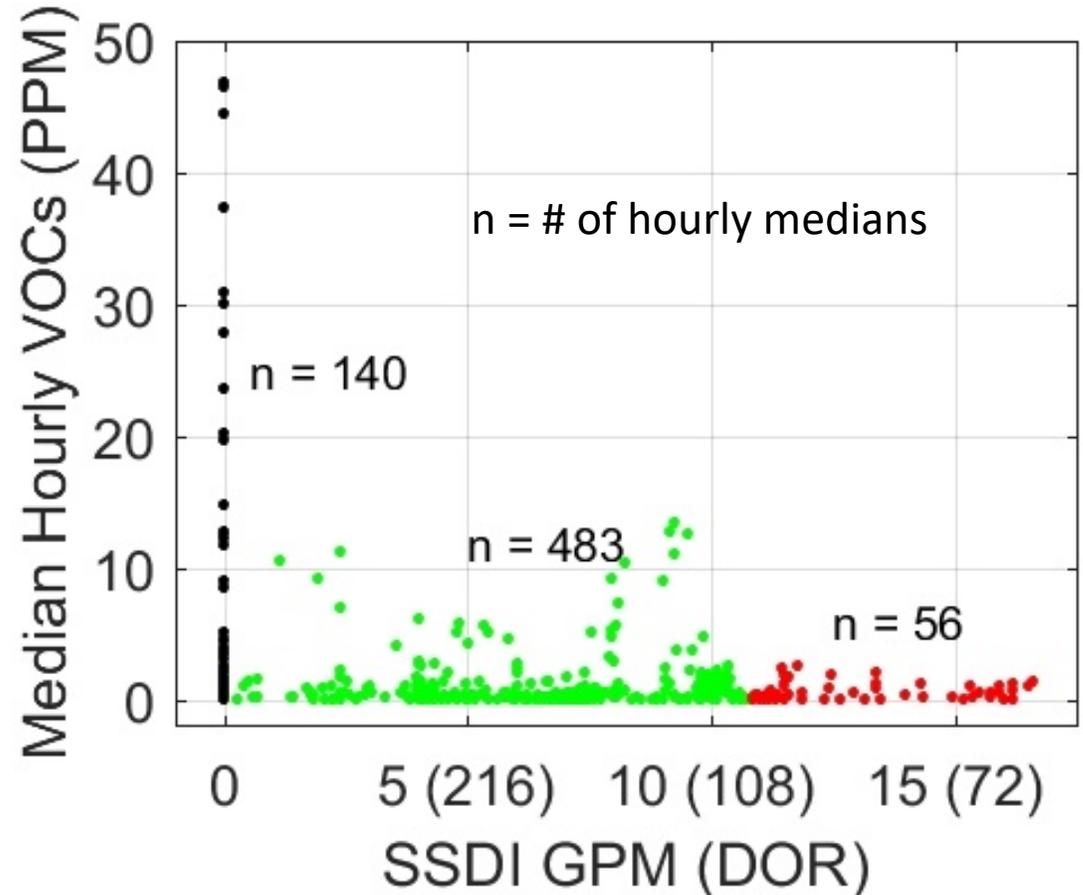
Mean: 3.1 PPM



Additional Analysis – VOC(SSDI)

Assumption: VOCs inversely proportional to SSDI rate

- VOCs diminish as SSDI increases
- There is a significant amount of variability due to the high variability in SSDI rate – particularly in the partially dosed range



Basic Statistics

SSDI went operational fully May 16 after two initial tests, but was not continuously or consistently applied for various reasons

AreaRAE

- Means and 95% non-exceedances*

	April 28 - May 15	May 16 – July 15
• Median:	0.16 PPM	0.02 PPM
• Mean:	10.3 PPM	3.1 PPM
• 95% NX*:	38.2 PPM	13.5 PPM

* 95% non-exceedance (NX) – 95% of measurements are below this value

Mann-Whitney Non-parametric Statistics

- Mann Whitney U-test applied to two subsets of the SSDI data
 - SSDI = 0 (un-dosed)
 - SSDI with DOR > 1:100
- Mann Whitney U-test analyses confirm
 - the two sample groups come from distributions with different medians at the 95% confidence level
 - the median VOC value of the zero SSDI rate data is greater than the median VOC value of the data with a DOR > 1:100 at the 95% confidence level
- Confirms results of basic statistical analysis

Reduction of Extreme VOCs

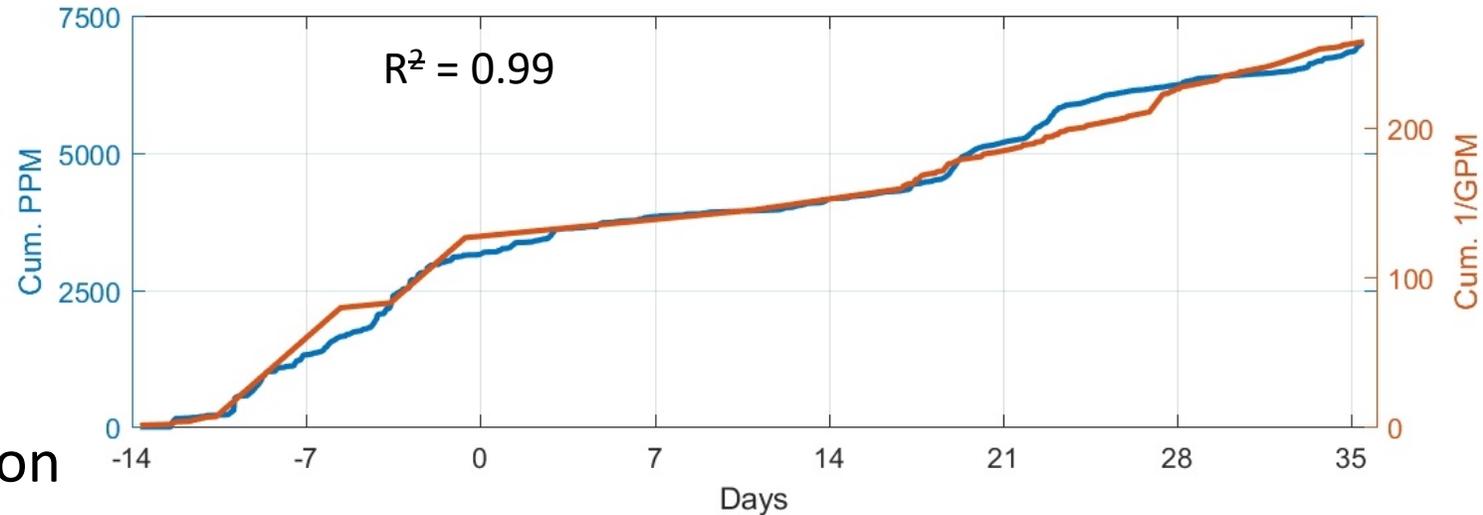
- VOCs > 500 PPM may be an immediate health risk
 - OSHA PEL TWA – may not be protective for this scenario
- SSDI operations reduced extreme VOCs measurements by a factor of 40
 - 55/13363 measurements above 500 PPM prior to May 16 (0.4%)
 - 10/81743 measurements above 500 PPM after May 16 (0.01%)
- Concentrations above 500 PPM occurred approximately 4 times per day prior to May 16 and reduced to approximately 0.3 times per day after May 16
 - Note, there were about 6 times more measurements after May 16 than there were before May 16

Additional Analysis

Expectation: inverse relationship between SSDI rate and VOC accumulation rate

- Cumulative VOCs (Blue)
- Cumulative $1/\text{SSDI}^*$ (orange)

- * SSDI = 0 were set to 1.1 GPM
- Optimized curve fit
 - Sets maximum VOC accumulation rate when SSDI = 0

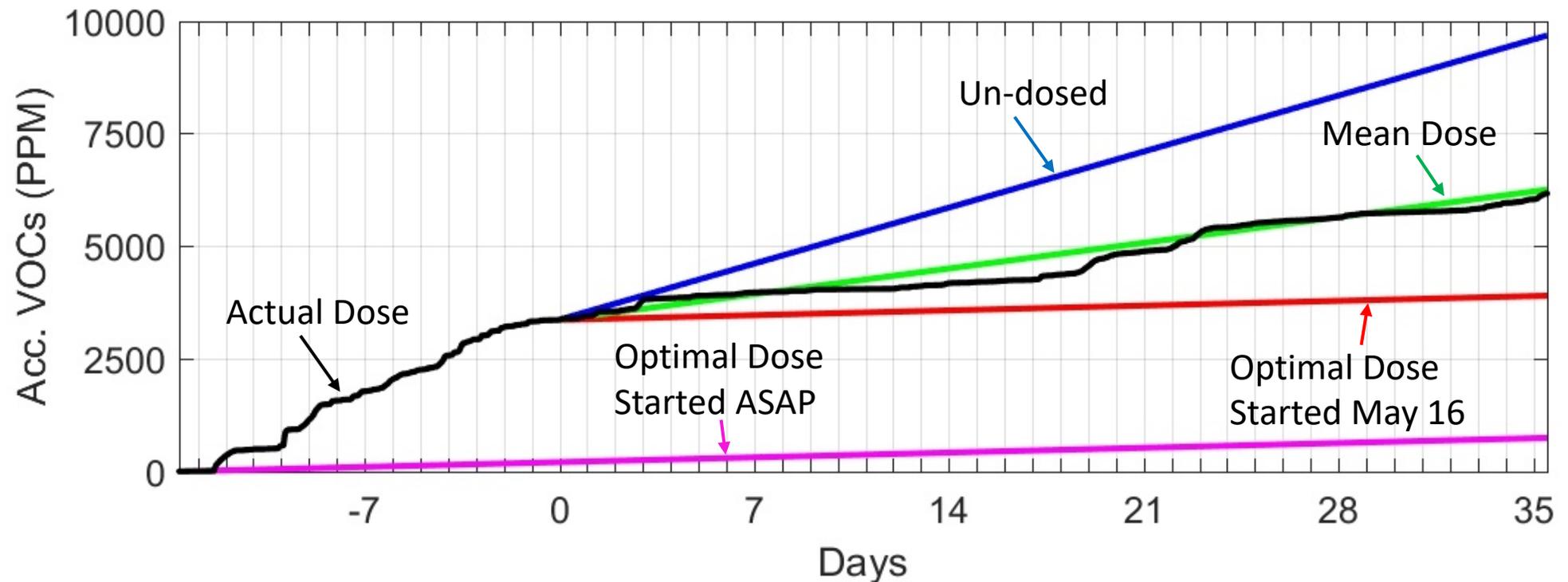


Notice the almost perfect match between days 3 and 18 when SSDI was steady at 10 GPM

VOC Accumulation as a function of SSDI Rate

Four cases

- Un-dosed: SSDI = 0 GPM
- Mean dose: SSDI = 7.94 GPM (1:140)
- Optimal dose: SSDI = 13.4 GPM (1:80)



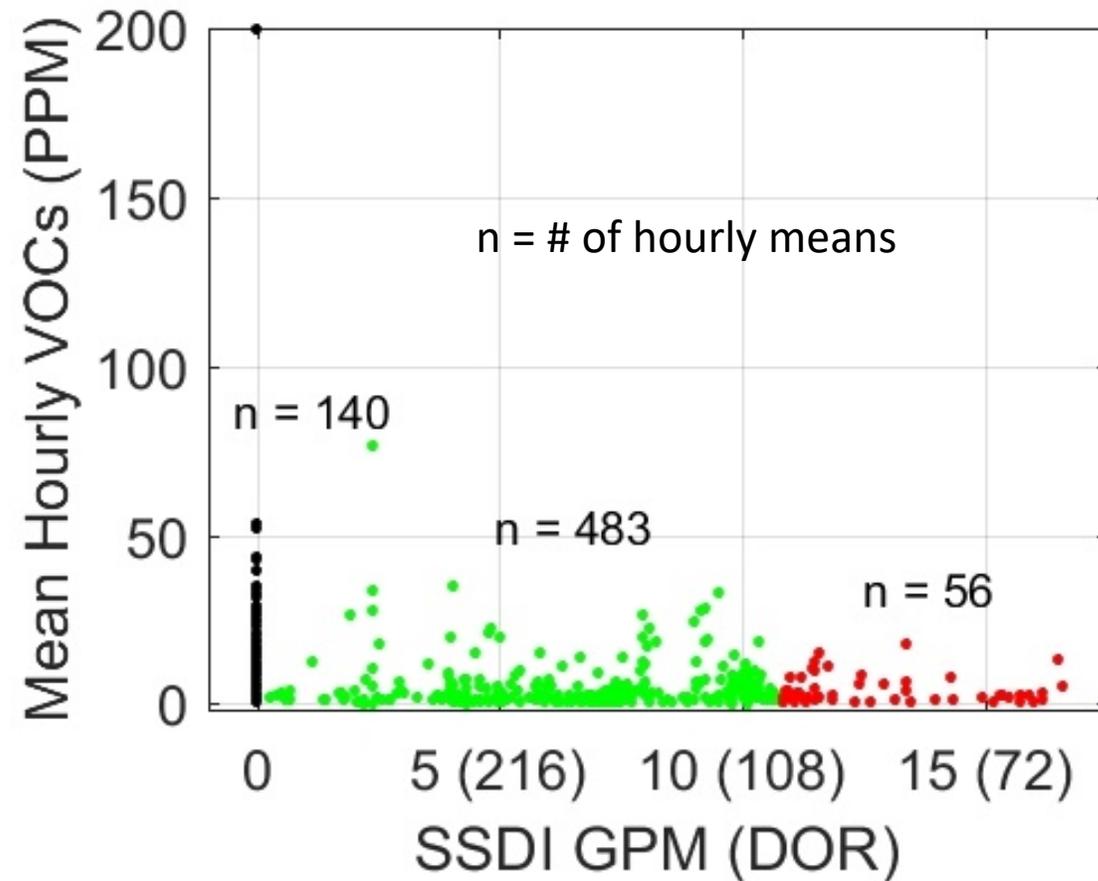
Summary

- Disparate datasets of SSDI rate and VOC measurements were used to determine if SSDI led to a significant reduction of VOCs
- VOCs were found, using simple statistics and Mann Whitney non-parametric statistics, to be lower after May 16, when regular SSDI operations commenced
- Strong correlation ($R^2 > 0.99$) between the inverse of SSDI rate and the accumulation of VOCs
 - Confirms SSDI rates with sufficient DOR reduces accumulated VOCs
 - Analysis suggests starting SSDI with a DOR $\geq 1:100$ should commence as early as possible to maximize VOC reduction

Conclusion

- SSDI, when applied with optimal dosage rates, protects people from acute and chronic VOC risks
- SSDI should be initiated as quickly as possible to maximize VOC reduction benefits

Personal Sampler VOC(SSDI)



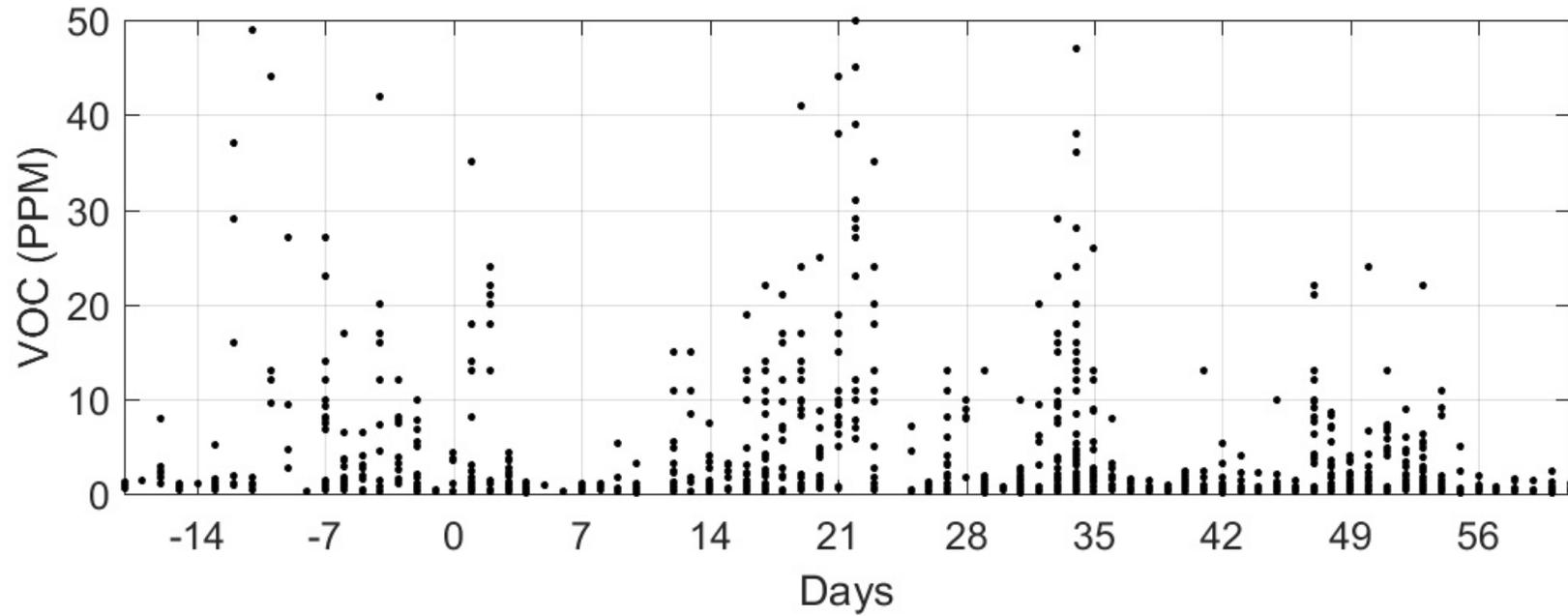
VOC DATA – Personal Samplers

- 1272 relevant samples collected in the SIMOPS zone retrieved from GRIIDC
 - SIMOPS represents an area 5 nautical miles in diameter around the well head location
 - Median duration of samples: 12 hours
 - Samples represent the average concentration over a 12 hour shift
 - Median concentration: 0.78 PPM
 - Mean concentration: 3.4 PPM
 - Max concentration: 50 PPM
- Concentrations likely biased low due to safety protocols – *i.e.*, personnel were required to leave the deck if PPM concentrations measured by AreaRAES rose above 50 PPM

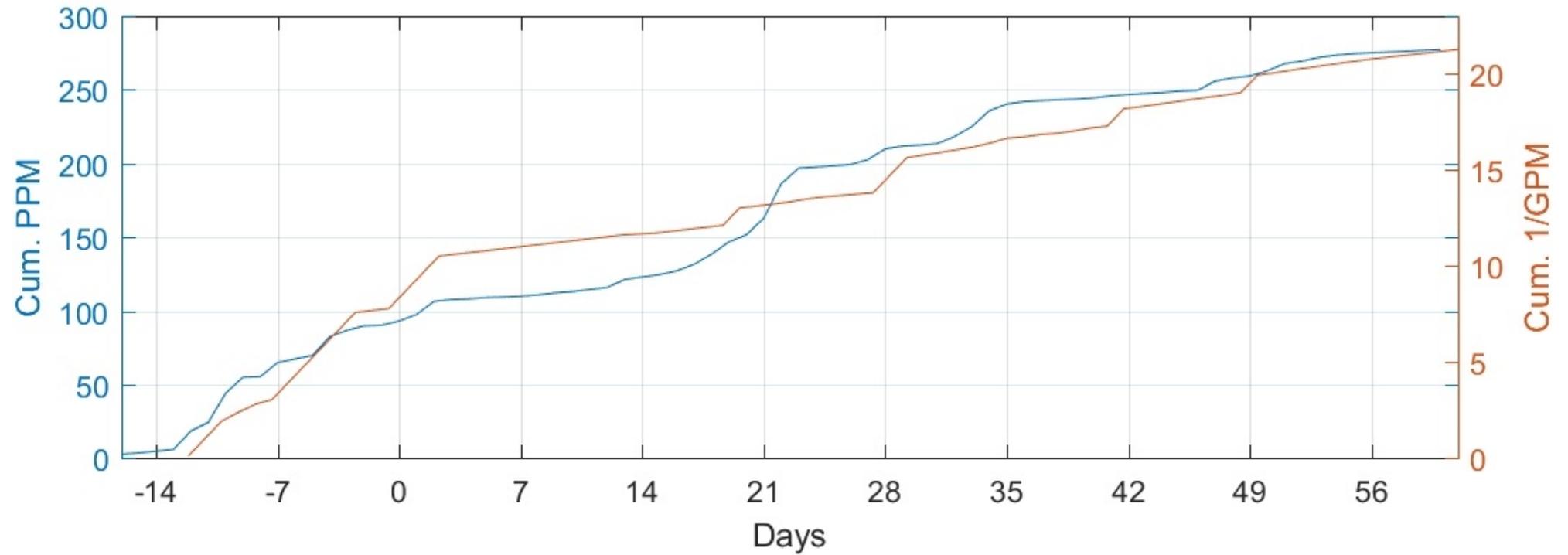
Personal Sampler Data

Through May 15:	Median: 1.6 PPM	Mean: 5.5 PPM
After May 15:	Median: 0.7 PPM	Mean: 3.2 PPM

- Pattern similar to AreaRAE data
- Data most likely biased due to safety precautions
 - Personnel not allowed on deck if AreaRAE measurements exceeded 50 PPM



Personal Sampler Accumulation Plot



Subsea dispersant injection (SSDI) reduced potential exposure of well-control workers to volatile organic compounds (VOCs)

Douglas A. Mitchell¹, Roger C. Prince², Ann Hayward Walker³ and Tim J. Nedwed¹

¹ExxonMobil Upstream Research Co.

²Stonybrook Apiary

³SEA Consulting Group

November 8, 2020

Introduction

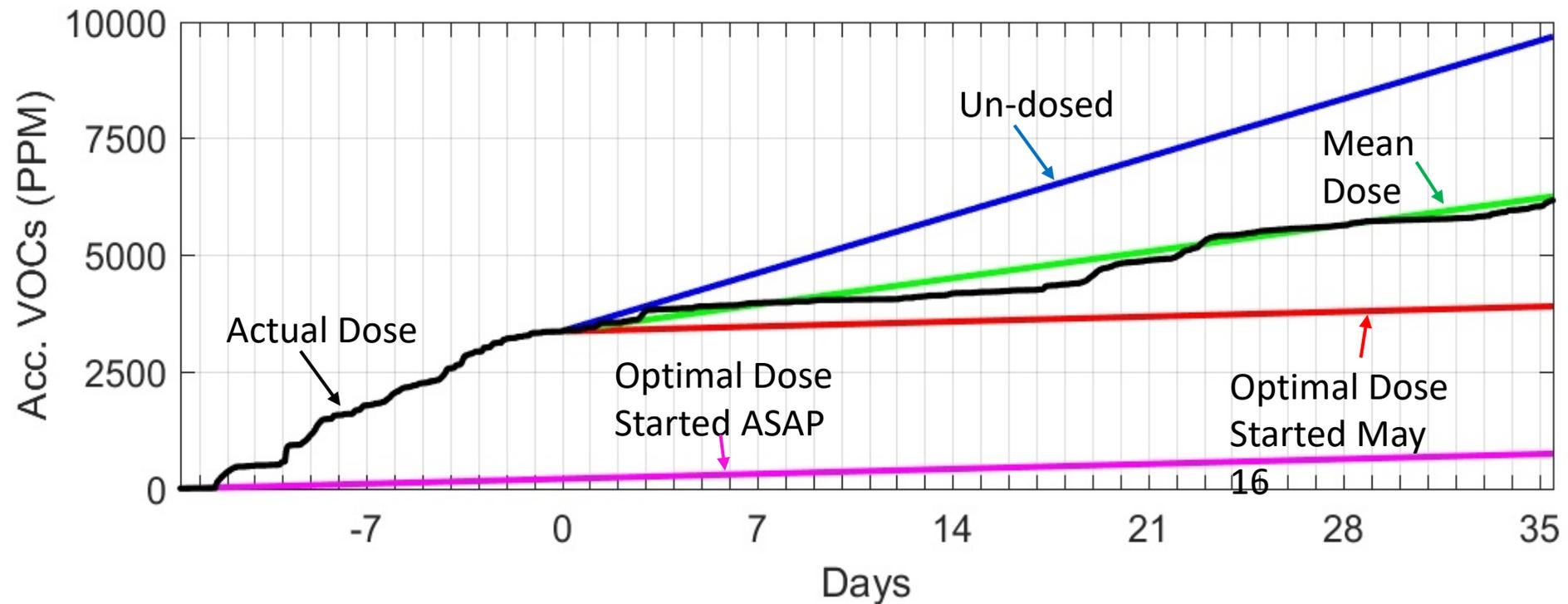
- SSDI was approved for initial use during the Deepwater Horizon Incident in early May 2010
- Effective SSDI reduces oil droplet sizes which has two effects
 - Increases volume of oil dispersed subsea
 - Oil is transported further from the leak source prior to surfacing and forms thinner slicks
- Logistical and regulatory constraints resulted in an average SSDI rate of 7.8 GPM for an average Dispersant to Oil ratio (DOR) of ~ 1:140 (one gallon of dispersant to 140 gallons of oil)
- Subsequent research suggests a DOR of 1:100 or greater (*e.g.*, 1:75 or 1:50) is required for SSDI to optimally disperse oil

Data

- GRIIDC – Gulf of Mexico Research Initiative Information and Data Cooperative (<https://data.gulfresearchinitiative.org/>)
 - Daily average SSDI data and personal sampler VOC data
- High resolution SSDI data (www.diver.orr.noaa.gov)
- NODC Scribe database - AreaRAE VOC measurements
 - https://data.nodc.noaa.gov/DeepwaterHorizon/Special_Collections/Scribe_Database_Collection/Databases/1121_TS_Monitoring/

Results

- Low or zero SSDI rates led to high VOC accumulation rates
- Effective SSDI rates led to significantly reduced VOC accumulation rates



Conclusions

- SSDI reduced VOCs during the DWH response
- Effective SSDI rates are essential to minimizing VOCs
- Effective SSDI should start as soon as practical during any future response to maximize response personnel safety by minimizing VOCs as much as possible

Questions?

Environmental Protection Agency (EPA)



RRT-6 2020 Fall Meeting

5 November 2020

U.S. Environmental Protection Agency



Role	RRT Member	Contact Info
Co-Chair	Craig Carroll	(214) 665-2220 carroll.craig@epa.gov
Coordinator	Bray Fisher	(214) 665-2712 fisher.kelsey@epa.gov
Alternate Co-Chair	Vacant	



Executive Summary

Challenges	COVID-19 Air Monitoring Action Levels
Lessons Learned	Virtual Response Management
Best Practices	Virtual Response Management SE Texas CAMP Residential Hg Clean-up Initiative



Key Personnel Changes

Role	Incoming	Outgoing
RRT Alt. Co-Chair	Vacant	Bryant Smalley
On-Scene Coordinator	Idrissa Ouedraogo	N/A
On-Scene Coordinator	Craig Giggelman	N/A
Homeland Security Coordinator	Adam Adams	John Martin



EPA R6 Emergency Management Branch

Emergency Management Branch (SEDE)

Carroll, Craig
[2220]

- ### Readiness & Emergency Response Section (SEDER) Vacant [XXXX]
- Adams, Pratistha [2214]
 - Brescia, Nicolas [2291]
 - Delgado, Paige [2724]
 - Enders, Jhana [6654]
 - Guidry, Randy [2277]
 - Fausel, Betsy [6710]SEE
 - Mann, Eric [7363]
 - McAteer, Mike [7157]
 - McKay, Tom [2180]SEE
 - Moore, Gary [6609]
 - Perry, Chris [6702]
 - Pursell, Tracy [3185]SEE
 - Parsons, Nellie[3164] SEE
 - Roff, Nicholas [3157]
 - Zahner, Dan [469.271.8996]

- ### CERCLA & OIL Removal Section (SEDEC) Petersen, Chris [3167]
- Adams, Adam [2779]
 - Bernier, Roberto [8376]
 - Delgado, Eric [2703]
 - Fisher, Kelsey [2712]
 - Loesel, Matthew [8544]
 - Patel, Anish [2288]
 - Robertson, David [7363]
 - Rouse, Philip [3187]
 - Mzee, Nabil [7322]
 - Giggleman, Craig
[469.610.8824]
 - Zehner, Warren
[281.983.2229]
 - Ouedraogo, Idrissa
[469.271.6347]



Metrics/Trends/Challenges

- Virtual Response Management
- COVID-19 Limitations and Restrictions
- Air Monitoring Action Levels for Local Evacuation and Shelter-in-Place Decisions



Laws/Regulations/Policies

- UAS Platforms
- Residential Hg Response Initiative



NDOW Texas

Hurricane Laura Air Monitoring

- A multi-agency Air Monitoring Plan was created for Hurricane Laura
- ASPECT, TAGA, State and Federal Roving Field Teams provided 24-hour air monitoring in refinery districts and in nearby communities in Orange and Jefferson county
- The plan provided real time air data to Response Personnel to determine if any releases were occurring from shut down & start-up procedures.

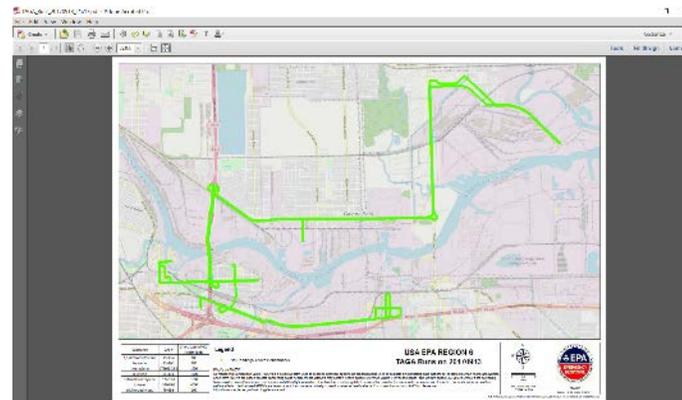




NDOW Texas

Hurricane Laura Air Monitoring

- The plan allowed both state, federal and government contractors to utilize a standardized field form with agreed upon action levels for specific chemicals with a standardized reporting process
- The plan was successful and created an efficient multi-agency response to determine if air hazards were present in the environment
- The plan will be reviewed by the NDOW TX group and adopted as a Standard Operating Procedure in early 2021





Accomplishments

FY2020

Description
Closed out 3,863 (1,145 haz; 1,911 oil; 5 rad; 802 other) spill notifications received on the EPA Region 6 Spill line.
Completed 8 CERCLA Removal Actions (Regional commitment = 22) costing \$5,000,000
Initiated 9 OPA Responses costing up to \$964,000
Completed 24 Facility Response Plan (FRP) inspections (Regional commitment = 50)
Completed 74 Spill Prevention, Control and Countermeasures (SPCC) inspections (Regional commitment = 125)
Maintained primary mission essential function capability for response to oil spills and hazardous materials releases during COVID-19 Pandemic.
Hired 4 permanent On-Scene Coordinators (3 Dallas, 1 Houston) and a Homeland Security Coordinator on temporary detail



Accomplishments

Training

Description	Dates
OSC Monthly Meetings (6)	1st Monday
PDO Training	May 20, 2020
Field Data Collection Training	May 21, 2020
Residential Mercury Response	Multiple

Exercises/Workshops

Description	Dates
Marathon Oil Spill TTX	November 13, 2019
GIUEs	5
NDOW Virtual Exercise	July 15, 2020
IMT TTX	August 18, 2020

Fed/State/Local planning and coordination efforts

Description	Dates
RRT6 Meeting	May 27, 2020
TPC Tank Fire	November 27, 2019
Pre and Post Landfall Hurricane Coordination	Various



Outlook

Training

Description	Dates
OSC Monthly Meetings (12)	1 st Monday
Residential Mercury Response	Multiple
Situation Unit Leader	November 16, 2020
Planning Section	Multiple

Exercises/Workshops

Description	Dates
NDOW Exercise	3 rd Quarter FY21

Fed/State/Local planning and coordination efforts

Description	Dates
Central Texas Coastal Area Committee Meeting	2 nd Quarter FY21
SE Texas Inland Area Planning Meeting	2 nd Quarter FY21



Role	RRT Member	Contact Info
Co-Chair	Mr. Michael Sams	(504) 671-2234 Michael.K.Sams@uscg.mil
Co-Chair Alternate	LCDR Keyth Pankau	(504) 671-2235 Keyth.A.Pankau@uscg.mil
Coordinator	Mr. Todd Peterson	(228) 249-1105 Todd.M.Peterson@uscg.mil

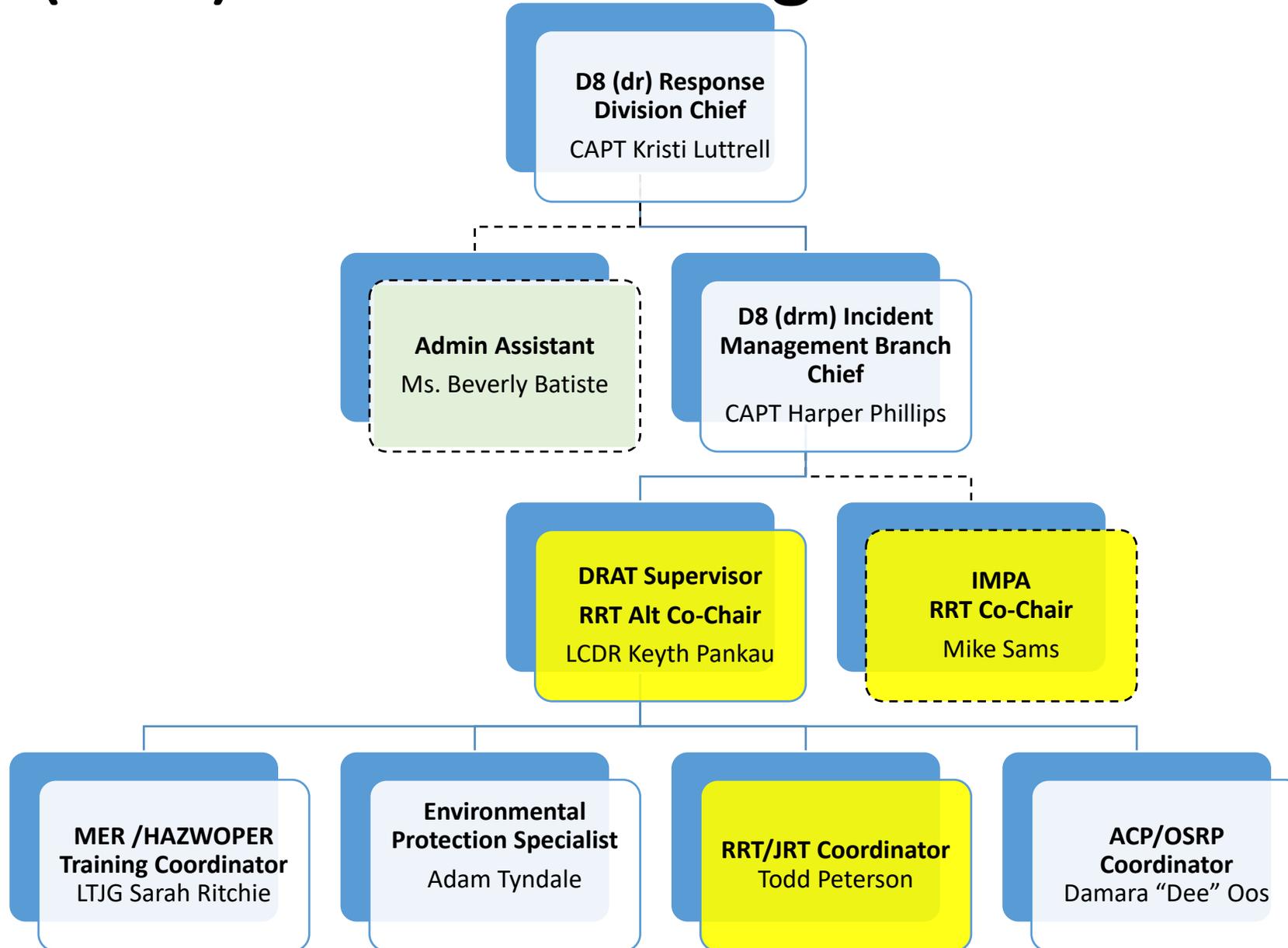


Overview

- COVID-19
- Hurricane Response
- National Review Panel – coastal ACPs
- Environmental Consultations



D8 (drm) Incident Management Branch





Laws/Regulations/Policies

- **CG Headquarters:**
 - National Response Team – Area Contingency Planning (NRT-ACP) Workgroup

- **CGD 8:**
 - Environmental Consultations
 - Pollution Policy captured in the D8 Operational Planning Direction; will be revised annually

Biological Evaluation Form & ESA EFH Emergency Consultation

Version: PHASE I – Beta Test; 23 Sep 2020

Biological Evaluation Form U.S. Coast Guard Emergency Response Actions in Louisiana U.S. Fish and Wildlife Service & National Marine Fisheries Service

PHASE I: The U.S. Coast Guard (USCG) will use this biological evaluation (BE) form to conduct Endangered Species Act (ESA) §7 Consultation with the U.S. Department of the Interior's Fish and Wildlife Service (USFWS) and the National Oceanic and Atmospheric Administration's National Marine Fisheries Service (NMFS). This form would be used to cover oil spill and/or hazardous substance response actions within the jurisdiction of USCG District 8 in the State of Louisiana (i.e., state navigable waters out to three (3) nautical miles from the shoreline).

This form will be filled out by the USCG and used by the USFWS and the NMFS to review response actions for potential impacts to federally listed and proposed species. The form will provide information to initiate and conclude emergency consultations under §7 the ESA. The form may also be used to document a No Effect determination or to request technical assistance. Further information may be required beyond what is captured on this form. Note: if you need additional space for writing, please attach pages as needed.

When needed and applicable, this form should also be completed to inform and evaluate additional needs for compliance with the following authorities: Magnuson-Stevens Fishery Conservation and Management Act (for Essential Fish Habitat (EFH)), Migratory Bird Treaty Act (MBTA), Marine Mammal Protection Act (MMPA), Coastal Barrier Resources Act (CBRA), Bald and Golden Eagle Protection Act (BGEPA), and Section 106 of the National Historic Preservation Act (NHPA).

For assistance or questions, please contact:

USFWS: Brigette Firmin, Consultation & Classification Team Lead, Louisiana Ecological Services

Office, email: brigitte_firmin@fws.gov, phone: 337-291-3108

NMFS ESA: Karla Reece, Section 7 Team Lead, Interagency Cooperation Branch, email:

karla_reece@noaa.gov, phone: 727-824-5348

NMFS EFH: David Dale, Fish Biologist – Habitat/EFH, Habitat Conservation Division, email:

david.dale@noaa.gov, phone: 727-551-5736

A. Incident Identification

Federal Action Agency: USCG

Name and Date of Incident: [<Click here to enter name.>](#)[<Click here to enter date.>](#)

FOSC Name: [<Click here to enter text.>](#)

FOSCR Name: [<Click here to enter text.>](#) FOSCR Phone: 000-000-0000

FOSCR Email: [<Click here to enter text.>](#)

Name of Person Completing this Form: [<Click here to enter text.>](#)

Name of Unit: [<Click here to enter text.>](#)

Date Form Completed: [<Click here to enter date.>](#)

Date Form Updated: [<Click here to enter date.>](#)

Date Final Consultation Completed: [<Click here to enter date.>](#)

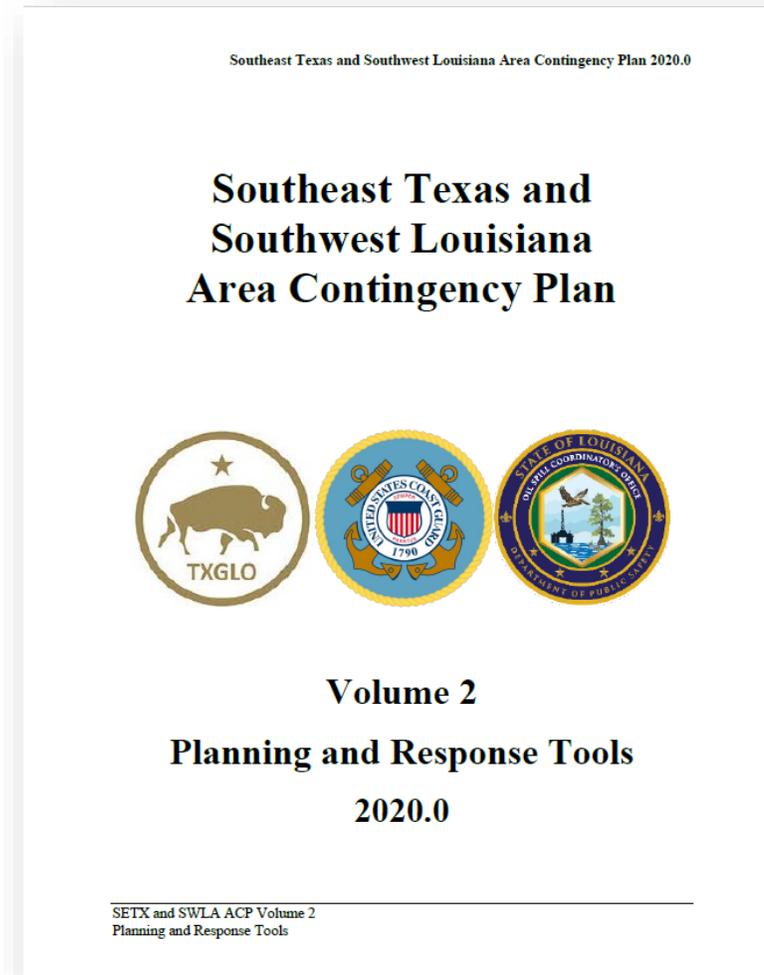
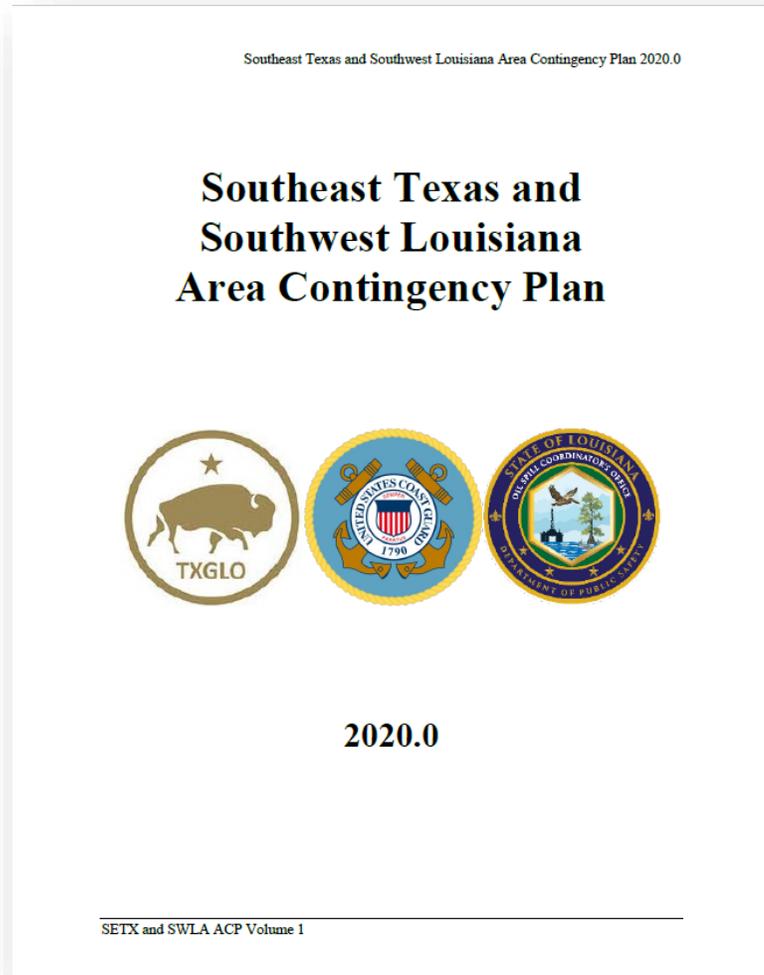
Southeast Texas (SETX)
and
Southwest Louisiana (SWLA)
Area Contingency Plan

Volume 2

Section 7 of the Endangered Species Act
(ESA) and Essential Fish Habitat (EFH)
Emergency Consultation

Appendix 5
2020.0

21st Century ACP Project





Accomplishments

Since last RRT meeting
27 May 2020

Federal, state, and local planning and coordination efforts

Description	Location	Dates
4 rd Annual Clean Waterways Conference	Indianapolis, IN	3-5 Aug 2020
RRT-7 Meeting	Virtual	24 Sep 2020
RRT-8 Meeting	Virtual	14-15 Oct 2020
30th Annual Clean Gulf Conference	San Antonio, TX	20-22 Oct 2020 Postponed to 16-18 Nov 2021



Outlook

Until Next RRT meeting
5 May 2021

Federal, state, and local planning and coordination efforts

Description	Location	Dates
Statewide Area Committee Meeting (SACM)	Baton Rouge, LA	Postponed till at least Jan-Feb 2021, specifics TBD
MEXUSGULF WS	Virtual	25 Mar 2021
RRT-7 Meeting	Virtual	30-31 Mar 2021
Statewide Area Committee Meeting (SACM)	Houston, TX	Postponed to 2021; specifics TBD
Statewide Area Committee Executive Steering Group (LA SACESG)	Telcon	Postponed to 2021; specifics TBD
RRT-8 Meeting	Denver, CO	21-22 Apr 2021
International Oil Spill Conference	New Orleans, LA	10-13 May 2021
5th Annual Clean Waterways Conference	Louisville, KY	13-15 Sep 2021
30 th Clean Gulf Conference	San Antonio, TX	16-18 Nov 2021

State Report Outs



RRT-6 Spring 2020 Meeting

27 May 2020

Arkansas



Reminder: As of July 2019, the newly-created Arkansas Department of Energy and Environment (ADEE) replaces ADEQ as the primary agency for ESF10 in Arkansas. The former ADEQ is now DEQ, a division within ADEE.

PRIMARY	ADEE	Stephen	Ratley	ratley@adeq.state.ar.us
ALTERNATE	ADEE	Heather	Saco	sacoh@adeq.state.ar.us
PRIMARY	ADEM	Chris	Foreman	chris.foreman@adem.arkansas.gov
ALTERNATE	ADEM	Latryce	Robinson	Latryce.Robinson@adem.arkansas.gov
PRIMARY	ADH	Lori	Simmons	lori.simmons@arkansas.gov
ALTERNATE	ADH	Ashley	Whitlow	ashley.whitlow@arkansas.gov



Executive Summary

Arkansas

Challenges	Harmful Algal Blooms (HABs)
Lessons Learned	Inaugural UAV Mission
Best Practices	Lake Hamilton Case Study



Unmanned Aerial Vehicle (UAV) Program

Arkansas Department of Energy and Environment (ADEE)



- Flight Safety International
- 3 UAV Pilots
- 1 Observer
- FAA Part 107 License



Unmanned Aerial Vehicle (UAV) Program

Arkansas Department of Energy and Environment (ADEE)

- DJI Phantom Pro 4 with 4 batteries
(2 hour flight time)
- Camera
- Pix4DMapper
- Future Payloads:
 - LiDar
 - Magnetometer
 - Thermal/IR Camera

The mission will drive the equipment





AV Deployment

Lake Hamilton @ Little Mazarn Creek
Garland County, AR





AV Deployment

Lake Hamilton @ Little Mazarn Creek
Garland County, AR



HARMFUL ALGAL BLOOM ADVISORY LAKE HAMILTON, LITTLE MAZARN CREEK OUTLET



July 15, 2020



AV Deployment

Lake Hamilton @ Little Mazarn Creek
Garland County, AR



July 21, 2020



AV Deployment

Lake Hamilton @ Little Mazarn Creek
Garland County, AR

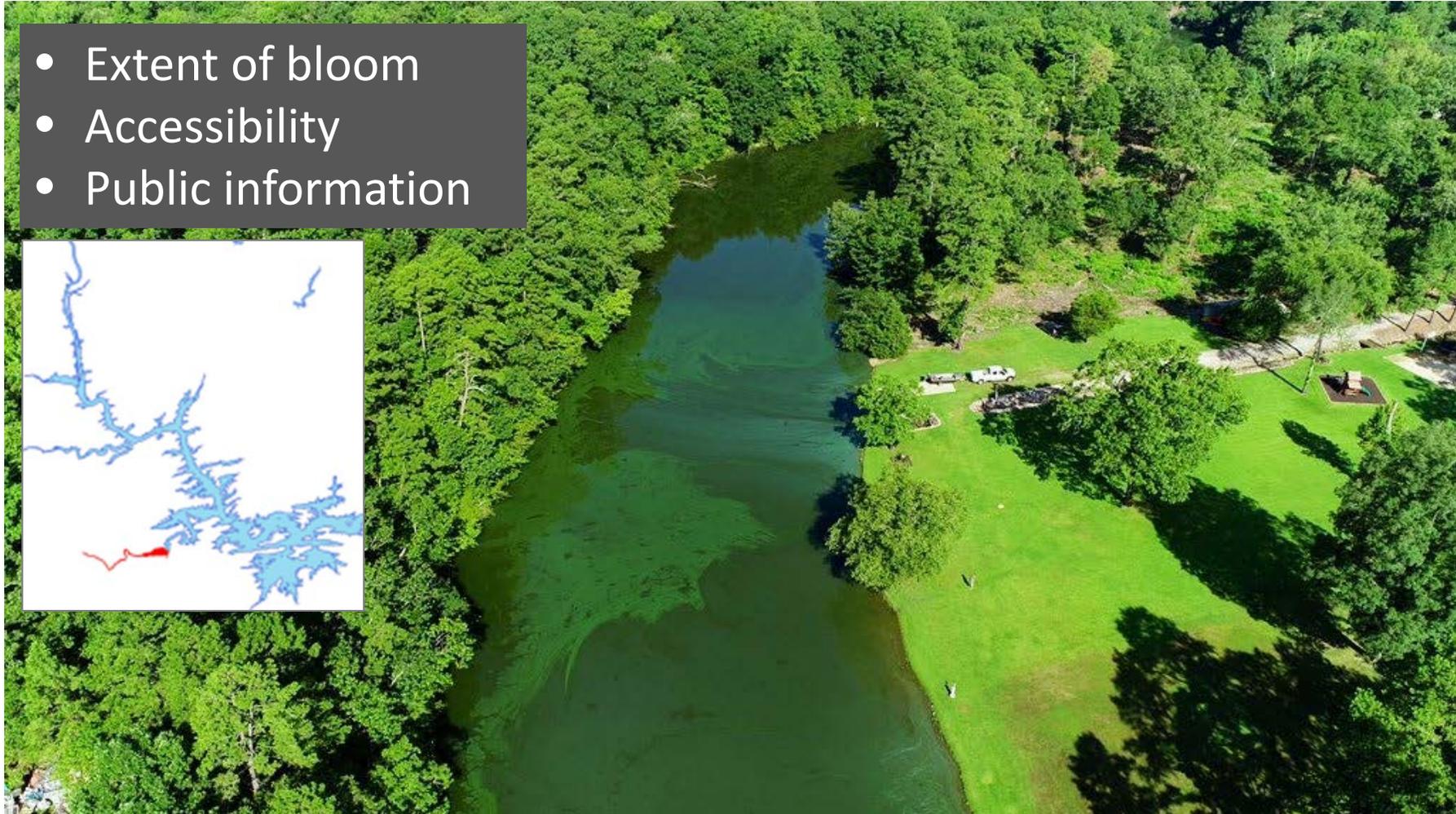
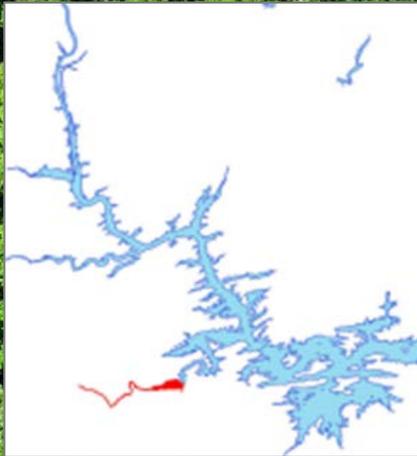




AV Deployment

Lake Hamilton @ Little Mazarn Creek
Garland County, AR

- Extent of bloom
- Accessibility
- Public information

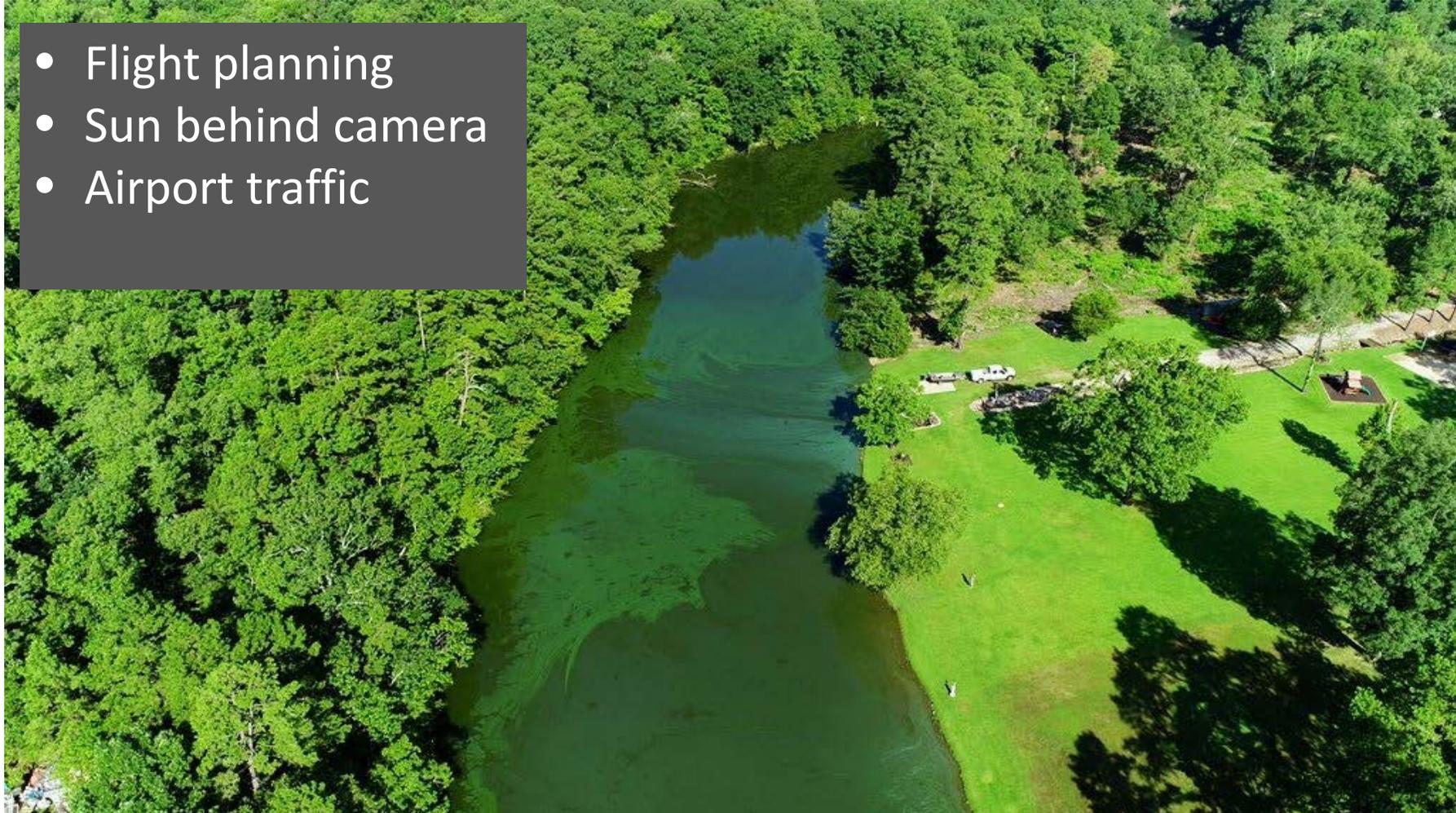




AV Deployment

Lake Hamilton @ Little Mazarn Creek
Garland County, AR

- Flight planning
- Sun behind camera
- Airport traffic





Arkansas Department of Energy and Environment (ADEE)

Incident Category	Total
Total # Incidents (May 27, 2020 – Oct 27, 2020)	192
# Referred to DEQ Programs	27
Environmental Media/Program Impacted	Total
# Water	64
# Air	16
# Hazardous Waste	54
# Regulated Storage Tanks	3
# Solid Waste	4
# Tire Accountability Program	3
# Multimedia	23



Arkansas Division of Emergency Management (ADEM)

- **2073** facilities reported using the Tier II reporting system for reporting year 2019
- ADEM has resumed both Emergency Management and Hazardous Materials in-person training. Schedules can be found at: <https://www.dps.arkansas.gov/emergency-management/adem/training-exercise/training/>
- SEOC activation level has been lowered to a continuous Level 2 - Increased Preparedness in the ongoing response to Covid-19



COVID-19 OPERATIONS

- ADEE and ADEM staff are currently working on a rotating remote/in-office schedule
- Arkansas Department of Health (ADH) EOC remains activated, and ADH continues to lead the state's COVID-19 response

Louisiana



PRIMARY	LDEQ	Jeff	Dauzat	jeff.dauzat@la.gov
ALTERNATE	LDEQ	Daniel	Lambert	daniel.lambert@la.gov
ALTERNATE	LDEQ	Jerry	Lang	jerry.lang@la.gov
ALTERNATE	LDEQ	Ji	Wiley	ji.wiley@la.gov (no longer works with LDEQ)
PRIMARY	GOHSEP	Chris	Guilbeaux	Christopher.Guilbeaux@LA.GOV
PRIMARY	LSUHSC	Jimmy	Guidry	jguidry@la.gov
ALTERNATE	LSUHSC	Luanne	White	lawhite@tulane.edu
ALTERNATE	LOSCO	Karolien	Debusschere	Karolien.Debusschere@la.gov
PRIMARY	LOSCO	Sam	Jones	Sam.Jones@la.gov
PRIMARY	LPCC	Mark	Ryan	mryan@lsuhsc.edu
ALTERNATE	LSP	Gene	Dunegan	gene.dunegan@la.gov
PRIMARY	LSP	John	Porter	john.porter@la.gov

Executive

Louisiana



Summary

Challenges-	Responding to environmental incidents while trying to exercise social distancing and returning to the new normal. Two Major Hurricanes within 43 days
Best Practices-	Continued cooperation with Federal, State, and Local partners when responding to incidents in an effort to keep all key stakeholders and the public informed.



Biolab Fire

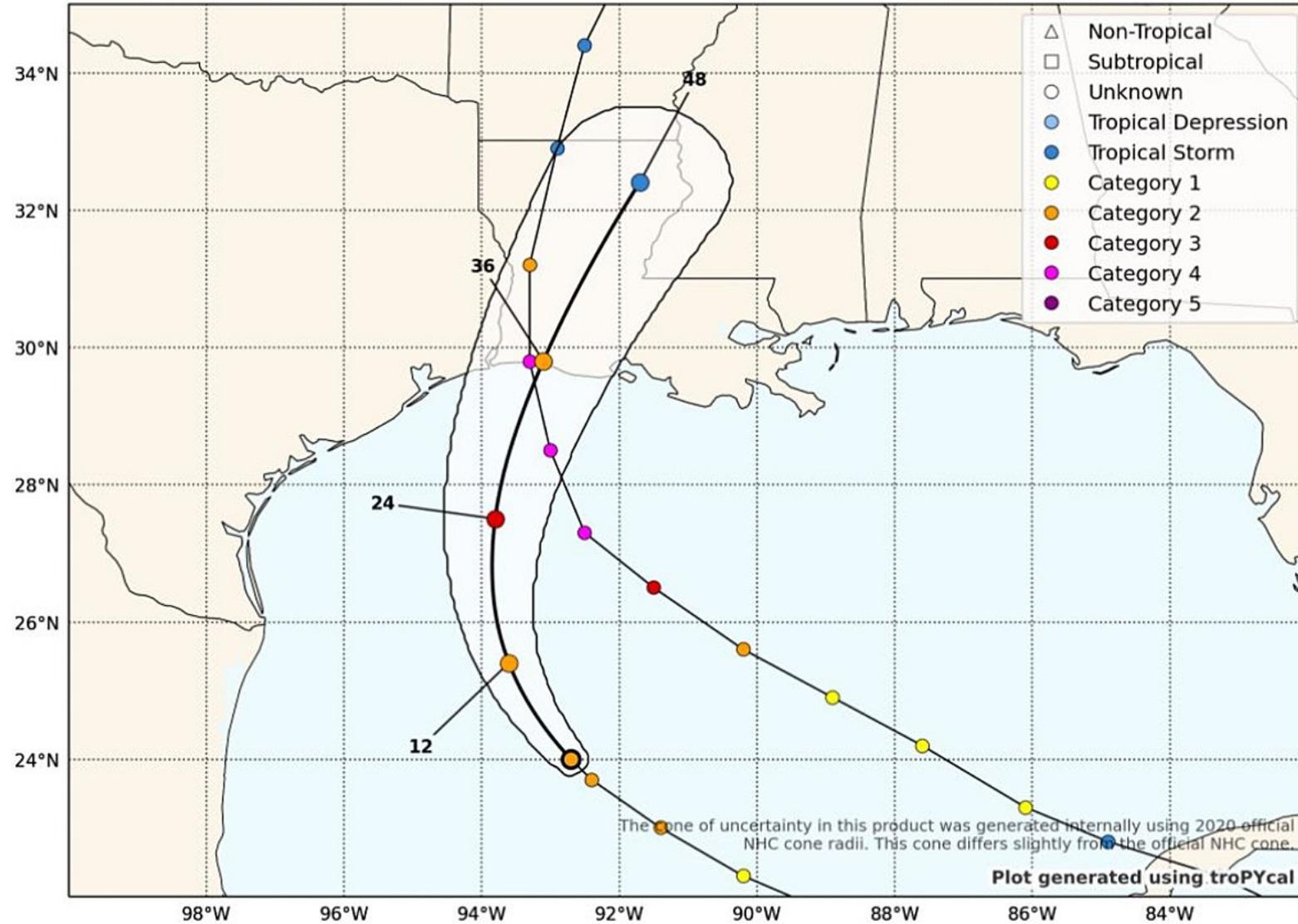
Date:	8/27/2020
Type and amount of product spilled:	Potential for 100,000 lbs. of Chlorine tablets used for Pool cleaning to react.
Cause of spill:	Hurricane Laura removed a large section of the roof allowing rain water to start reacting the chemicals stored onsite.
Key operational activities:	Quenching the tablets to complete the chemical reaction.
Agencies Involved:	LDEQ, LSP, EPA, and local fire fighters
Major lessons learned:	Difficult incident to manage due to the devastation to the surrounding area.



Lake Charles, La

Hurricane LAURA Track Hurricane DELTA Forecast

Current Intensity: 105 mph • 968 hPa
NHC Issued: 1500 UTC 08 Oct 2020





Metrics/Trends/Challenges

Louisiana

5/11/2020- 10/23/2020

Non-Emergency Notifications	1131
Emergency Notifications	503
Complaints	1350



Accomplishments

Louisiana

Training

Description	Dates
Air Monitoring for Local/State Responders	Multiple

Exercises/Workshops

Description	Dates
Nuclear Power Plant Exercises	Suspended due to Covid

Fed/State/Local planning and coordination efforts

Description	Dates
State Emergency Operations Plan Updates	Multiple
LDEQ Catastrophic Event and Natural Disaster Response Plan and Parish Resource Book Update	Multiple



Outlook

Louisiana

Training

Description	Dates
Air Monitoring Training for Local/State Responders (JESTC)	Multiple
LDEQ Internal Responder Training	Multiple

Exercises/Workshops

Description	Dates
Riverbend Nuclear Power Plant Exercise	Postponed
Louisiana Emergency Management Conference (LEMC)	Canceled

Fed/State/Local planning and coordination efforts

Description	Dates
Parish LEPC Meetings	On hold

State Report Outs - LOSCO



RRT-6 Fall 2020 Meeting

5 November 2020

Louisiana - LOSCO

PRIMARY	Sam Jones	LOSCO	Oil Spill Coordinator	Samuel.Jones@La.Gov
ALTERNATE	Karolien Debusschere	LOSCO	Deputy Coordinator	Karolien.Debusschere@La.Gov

Executive Summary

Challenges-	Covid-19 2020 Hurricane Season
Lessons Learned-	Pre-storm preparation and planning is key
Best Practices-	Safety first Utilize technology Communication w/State and Federal Partners

Metrics/Trends/Challenges

Reporting Trends

Time Period	Total oil related reports
Calendar Year 2016	1,438
Calendar Year 2017	1,580
Calendar Year 2018	1,405
Calendar Year 2019	1,520
01/01/2020-10/22/2020	1,406

Metrics/Trends/Challenges

Storm- related

Storm	Landfall	# of NRC/LSP notifications triaged	# of Oil Spills
Laura	08/27/20	1737	63
Sally	09/16/20	587	8
Delta	10/09/20	388	20
Zeta (as of 11:30 am 11/02)	10/28/20	188	37

Storm	ESF10 MA
Laura	9/16/2020



Laws/Regulations/Policies

Louisiana

Statewide Area Committee Executive Steering Group (LA SACESG)

LA Area Committee Co-Chairs:

- USCG
- LOSCO
- LDEQ
- LSP

Accomplishments

Training

Description	Dates
NOAA Arc Collector Training	10/8/20
Various Webinars	Multiple Dates

Exercises/Workshops

Description	Dates
BSEE GIUE Main Pass 68	9/9/20
BSEE GIUE Garden Banks	9/15/20
BSEE GIUE Ship Shoal 76	9/21/20
BSEE GIUE West Delta 84	9/23/20
Exxon Virtual BR Drill	9/24/20
Exxon Virtual BR Port Allen Drill	10/1/20

Fed/State/Local planning and coordination efforts

Description	Dates
Worst Case Discharge (BSEE/USCG ACP Project)	Multiple
SWLA ACP	Multiple
ESA/ EFH/Section 106 Consultations	Multiple
RRT-6 Fish and Wildlife and Sensitive Environments Plan	Multiple
Pre-landfall Coordination Calls	Multiple

Outlook

Training

Description	Dates
HAZWOPER Refresher	Various

Exercises/Workshops

Description	Dates
BP Virtual Drill	11/5/20
Fieldwood Energy Drill	11/10/20
LOOP Drill	11/19/20
Kosmos Energy SSDI RRT 6	11/19/20

Fed/State/Local planning and coordination efforts

Description	Dates
LA Statewide Area Committee Executive Steering Group (LA SACESG) Meeting	2021 - Date TBD
Statewide Area Committee Meeting	2021 - Date TBD



Emergency Services Unit
&
Right-To-Know

2020

Current Staffing Levels

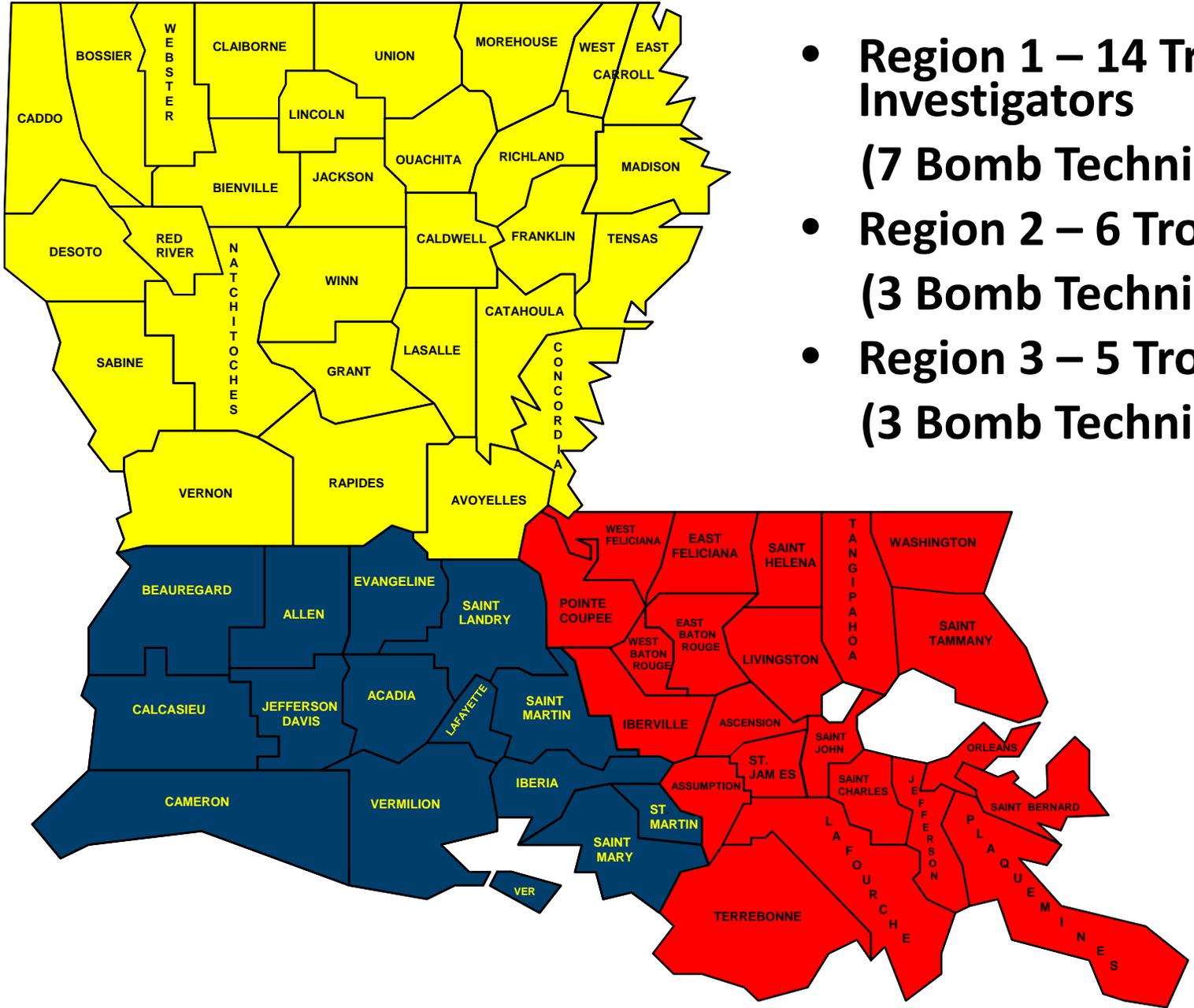
Emergency Services Unit

- 28 Commissioned Personnel
 - 25 Troopers
 - 3 Criminal Investigators

Right-To-Know

- 10 Non-commissioned Personnel





- **Region 1 – 14 Troopers, 2 Criminal Investigators (7 Bomb Technicians)**
- **Region 2 – 6 Troopers (3 Bomb Technicians)**
- **Region 3 – 5 Troopers, 1 Criminal Investigator (3 Bomb Technicians)**

2020 Year In Review

- Hazardous Materials
 - 4530 Notifications for Release to Date
 - 2383 Fixed Site Notifications
 - 484 for Laura - 126 For Delta
 - 984 Transportation Notifications
 - 1056 Underground Notifications
 - 107 Explosives Incident Notifications



2020 Year In Review

- Explosives
 - 107 Explosive responses
 - Explosive sweeps
 - Saints' home games (10) (2), Pelicans' home games (41) (0), Louisiana State University's home games (7) (2), and Tulane University's home games (7) (0)
 - Concerts at Superdome and Smoothie King Center (20+) (0)
 - Sugar Bowl and Independence Bowl (TBD)
 - Red Mass (TBD)
 - Support of Mardi Gras (TBD) and numerous VIP visits

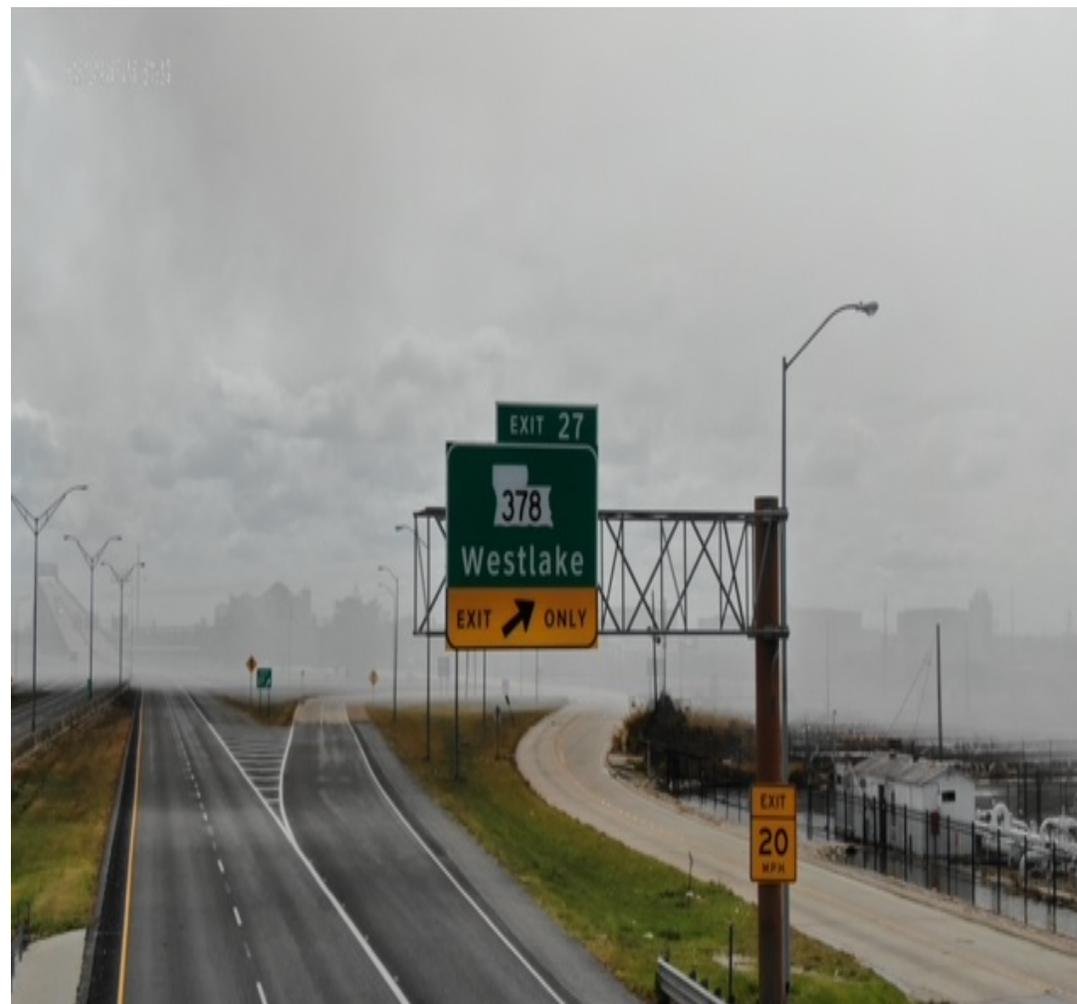


2020 Year In Review

- Right-To-Know
 - Right-To-Know operators handled 4530 calls to the Hotline for release notification to date
 - Oversaw the filing of 17,778 Tier II reports
 - Processed documentation for 990 explosive licenses
 - Coordinated 4 Louisiana Emergency Response Committee (LERC) meetings
 - Conducted 5 EPA workshops
 - Reviewed 21 Local Emergency Planning Commission (LEPC) plans
 - Conducted 25 outreach programs regarding release notifications
 - Act as a liaison for the department and the Louisiana Chemical Association (LCA)



BioLab Incident



BioLab Incident



BioLab Incident



Oklahoma



PRIMARY	OEM	Bonnie	McKelvey	bonnie.mckelvey@oem.ok.gov
PRIMARY	ODEQ	Jennifer	Handley	jennifer.handley@deq.ok.gov
ALTERNATE	ODEQ	Ashley	Sebree	ashley.sebree@deq.ok.gov
ALTERNATE	ODEQ	Clifton	Hoyle	clifton.hoyle@deq.ok.gov
PRIMARY	OSDH	Rocky	McElvany	rockym@health.ok.gov
ALTERNATE	OSDH	Scott	Sproat	scotts@health.ok.gov



Key Personnel Changes

Oklahoma

Agency	Role	Incoming Name	Outgoing Name
DEQ – Air Quality Division	Division Director	Kendal Stegman	Eddie Terrill
DEQ – Environmental Complaints and Local Services Division	Division Director	Mark Hildebrand	Kendal Stegman
DEQ – Environmental Complaints and Local Services Division	Assistant Division Director	TBA	Mark Hildebrand
DEQ – Land Protection Division	Assistant Division Director	TBA	Fenton Rood
DEQ – Water Quality Division	Assistant Division Director	TBA	Terry Lyhane



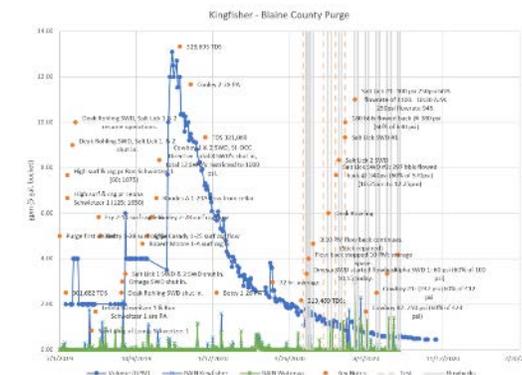
Line Seep Site

Oklahoma

Date:	December 2019 – Ongoing
Type and amount of product spilled:	An unknown amount of saltwater migrating through the subsurface and surfacing in rural area west of Kingfisher in Kingfisher Co. Flow started at 13.5 gal/min, currently at 0.44 gal/min.
Cause of spill:	Saltwater injection disposal wells being over-pressurized or having construction/maintenance issues.
Key operational activities:	OCC: Flowbacks complete, working with operators to develop operational plan going forward, concern about extending fractures. DEQ: Sampled 34 PWS wells and 4 private wells within 15 miles of seep site, monitoring with quarterly sampling.
Agencies Involved:	Oklahoma Corporation Commission (OCC) Oklahoma Department of Environmental Quality EPA Region 6
Major lessons learned:	Communication is key.



Incident Location



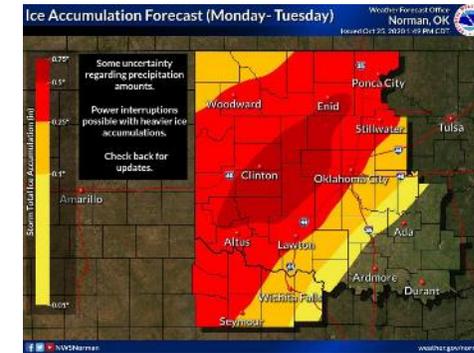
Rate chart – 11/3/20



October 2020 Ice Storm & Recovery

Oklahoma

Date:	October 26-28, 2020 – Recovery ongoing
Event:	Historic early season ice storm, Governor declared a state of emergency in 47 counties.
Damage:	Widespread power outages with >300,000 initially without power and >117,000 still without power. Critical public health infrastructure affected (hospitals, public water, & wastewater). Downed tree limbs & power lines causing additional damage. 149 injuries & 1 death reported so far.
Key operational activities:	Damage assessments ongoing. DEQ - ensuring protection of public water and wastewater infrastructure; inspecting, registering, & monitoring emergency debris sites.
Agencies Involved:	Local (City/County) Emergency Managers Office of Emergency Management Oklahoma Department of Environmental Quality Oklahoma National Guard
Major lessons learned:	Additional hazard mitigation needed.



Affected area



Icing & damage



Aftermath



Metrics/Trends/Challenges

Oklahoma

Since the last meeting...

DEQ complaints

1,588 – down 507

DEQ spills

113 – down 30

DEQ fishkills

30 – up 20

Referred complaints & spills

106 – down 34





Laws/Regulations/Policies

Oklahoma

- Governor approved updates to:
 - Open Burning
 - Manufacturing of Fiberglass Reinforced Plastic Products
 - Individual & Small Public On-Site Sewage Treatment Systems
 - Waterworks & Wastewater Works Operator Certification
 - Radiation Management
 - Incorporations by reference (CFR updates)
 - Air
 - Hazardous Waste
- Still working on updates to:
 - Highway Spill Remediation



Accomplishments

Oklahoma

Training

Description	Dates
WebEOC Early Adopter	July 8, 2020
EPA UST Finder	October 13, 2020

Exercises/Workshops

Description	Dates
WebEOC Exercise	June 18, 2020

Fed/State/Local planning and coordination efforts

Description	Dates
Harmful Algal Bloom/Blue-green Algae Response Meeting	June 19, 2020
OEM State Hazard Mitigation Meeting	July 30, 2020



Outlook

Oklahoma

Training

Description	Dates
Emergency Response Training	TBA

Exercises/Workshops

Description	Dates

Fed/State/Local planning and coordination efforts

Description	Dates
DEQ-OCC Jurisdictional Guidance Updates	Ongoing

Railroad Commission of Texas



PRIMARY	RRC	Peter	Pope	peter.pope@rrc.texas.gov
ALTERNATE	RRC			TBD



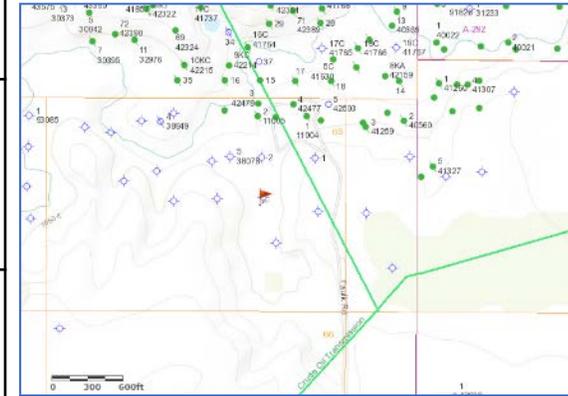
Personnel Changes

Agency	Role	Incoming Name	Outgoing Name
Railroad Commission of Texas	Abilene District H2S Coordinator 325-677-3545	Justin Golson Justin.Golson@rrc.texas.gov	Sam Birdwell Sam.Birdwell@rrc.texas.gov

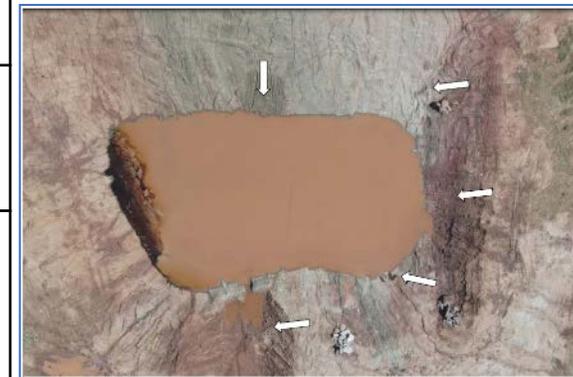


Seep – Constructed Pond

Date:	May 28, 2020; Wichita County
Type and amount of product spilled:	Show of oil in excavation, unknown volume. Pond constructed over the excavation.
Cause of spill:	Removal of overburden.
Key operational activities:	Test pits, drone survey, historical oil field (Wichita County Regular <2,000 ft), initiating subsurface investigation of possible sources.
Agencies Involved:	RRC, Natural Resource Conservation Service (NRCS)
Major lessons learned:	Landowner activities



Incident Location



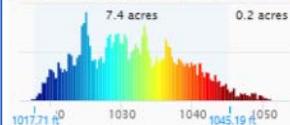
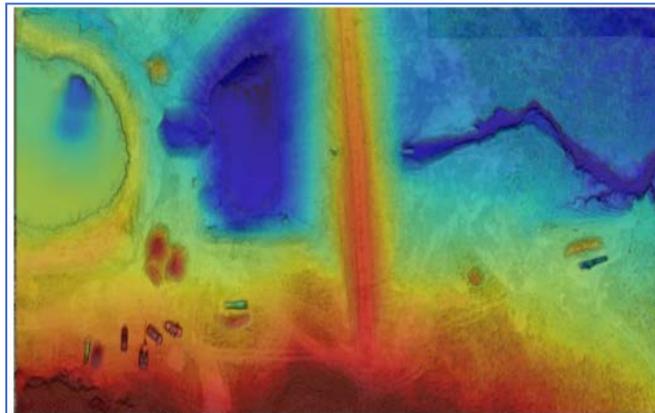
Photo



Seep – Constructed Pond



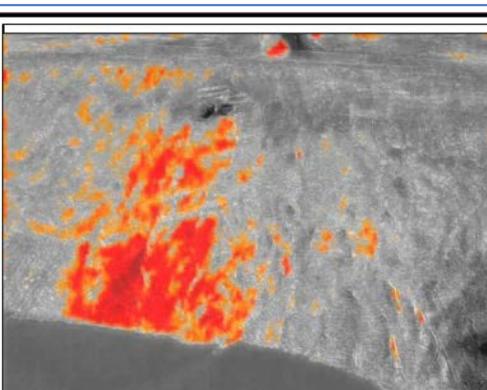
3D model looking North



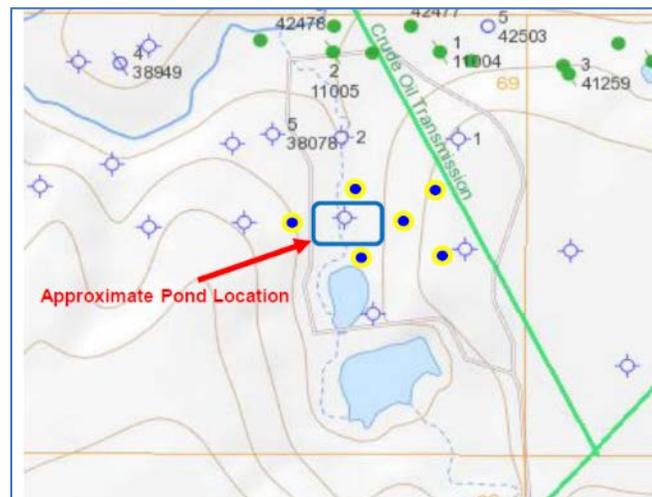
Elevation profile - Map is South to North from left to right.



North wall dam



Thermal image showing hot spots - North wall dam





Lake Hubbard

Date:	March 19, 2020; Stephens County
Type and amount of product spilled:	Crude Oil, 5 bbls estimated.
Cause of spill:	Storm winds, overturned tank, contained in firewall, oil mobilized by rainfall, overflow into a draw, into a stock pond, connected to Lake Hubbard.
Key operational activities:	Operator cleanup ineffective, RRC took over containment and cleanup. Boom and flume dam. Environmental sampling.
Agencies Involved:	RRC, TPWD, TCEQ, Central Texas Municipal Water District.
Major lessons learned:	Operator may not have sufficient resources. Analytical lab services helpful for assessing environmental and health risks.



Incident Location



Photo



Mike Hubbard



1301, DRY DRAW EAST OF STOCK POND.



1333, BOOMS AT MOUTH OF STOCK POND.





ke Hubbard





Metrics/Trends/Challenges

Texas

FY 21 Oilfield Cleanup Program Work Plan

Plugging

Goal - 1,400 plugged wells

Performance – 280 as of 11/2/2020

Cleanup

Goal - 230 completed activities

Performance – 31 as of 11/2/2020

FY 21 is Sept 1, 2020 through August 31, 2021



State Report

Jimmy Martinez - Primary
Steve Buschang - Alternate



RRT-6 Fall 2020 Meeting

05 November 2020





Executive Summary – TGLO Oil Spill Program

May 1-October 31, 2020

- The agency and the Oil Spill Division continues to serve the people of Texas and protect the coastal environment by promoting and enforcing the Oil Spill Prevention and Response Act during the COVID 19 pandemic.
- Staff were sent home to work remotely in mid-March. Initially, compliance efforts were temporarily scaled back due to social distancing requirements. However, physical response efforts continued with on site responses conducted as safety protocols allowed unless determined unsafe.
- Staff are currently completing most compliance efforts either on site or via telephone interviews, occasionally using electronic options such as FaceTime to document prevention activities.





Laws/Regulations/Policies

Texas



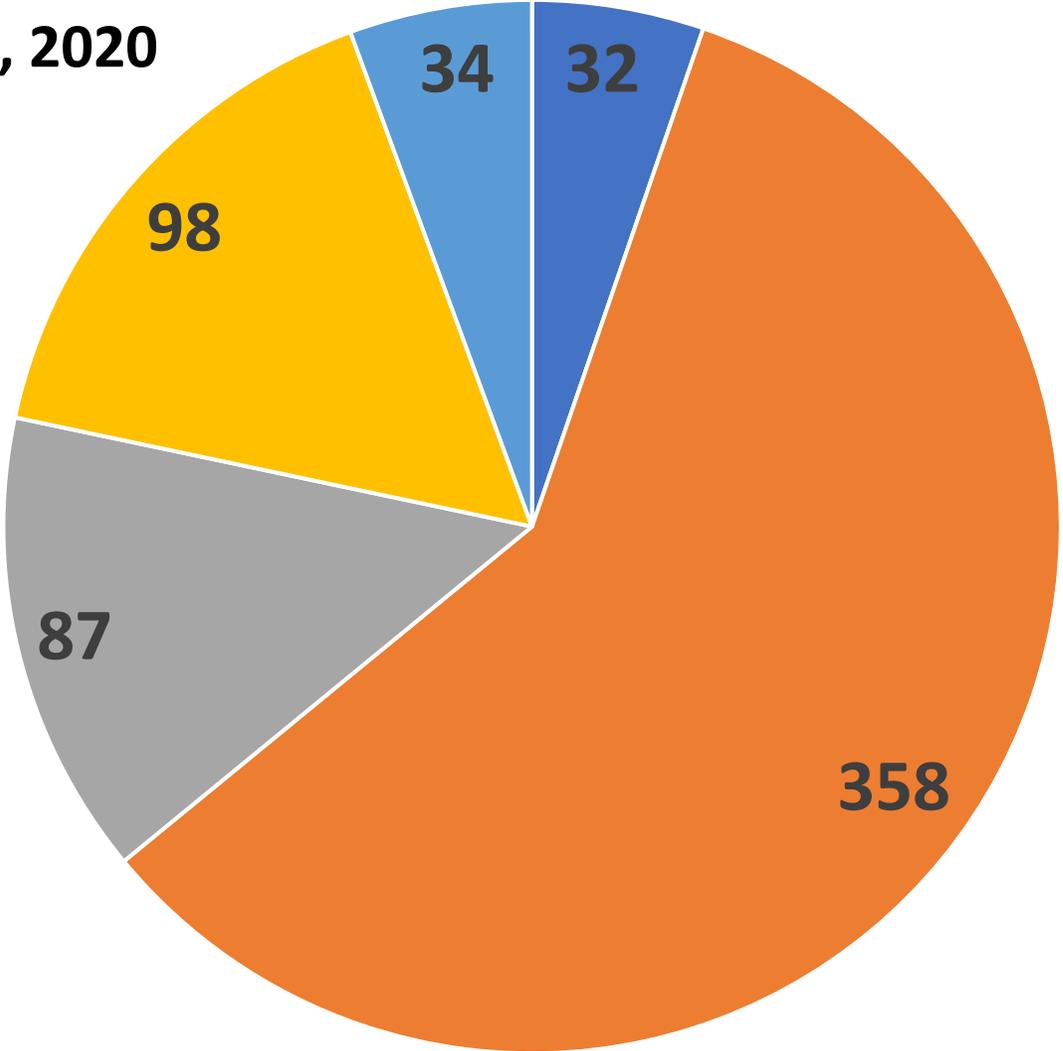
- Oil Spill administrative rules were updated and finalized in April to include new rules regarding secondary containment.
- TGLO and BSEE are working to re-establish an MOU confirming each agency's role in response and prevention efforts.

Texas Spill Responses

September 1, 2019-August 31, 2020



609 Responses
Including drills



■ Drill

■ Spill Found

■ Threat

■ No Spill Found

■ Non JD by GLO

Texas General Land Office
George P. Bush, Commissioner



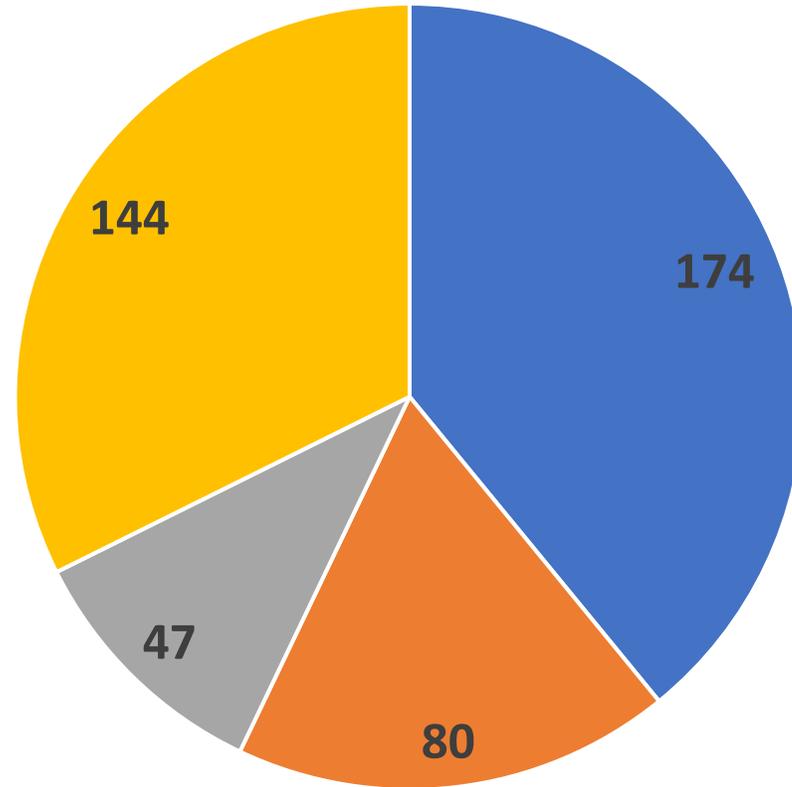
Texas Spill Sources

September 1, 2019-August 31, 2020

445 Responses

-Does NOT include Drills,
Non JD by TGLO, No Spill
Found

-Includes Threats and
Spill Found



■ Vessels

■ Facilities

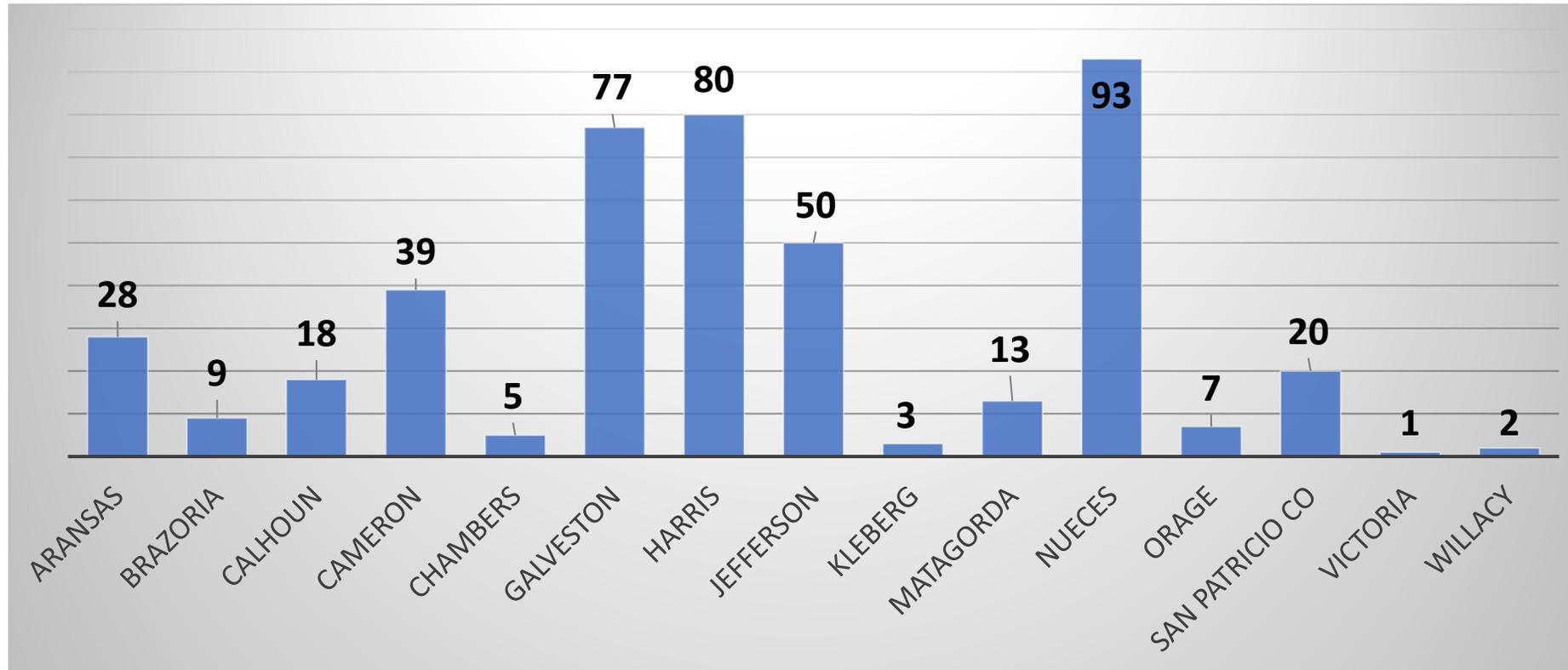
■ Other

■ Unknown

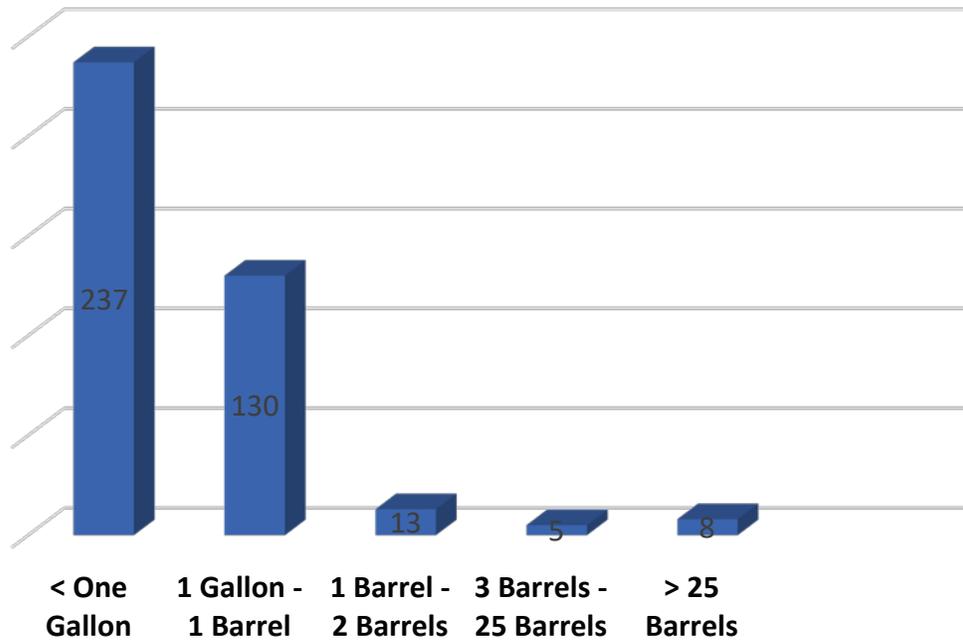


Texas Spill Locations

September 1, 2019 to August 31, 2020



FY 20 - GLO Jurisdiction Spill Amounts



Oil Spill responds to all spills, educating the public that many small spills can be just as detrimental as one large spill.

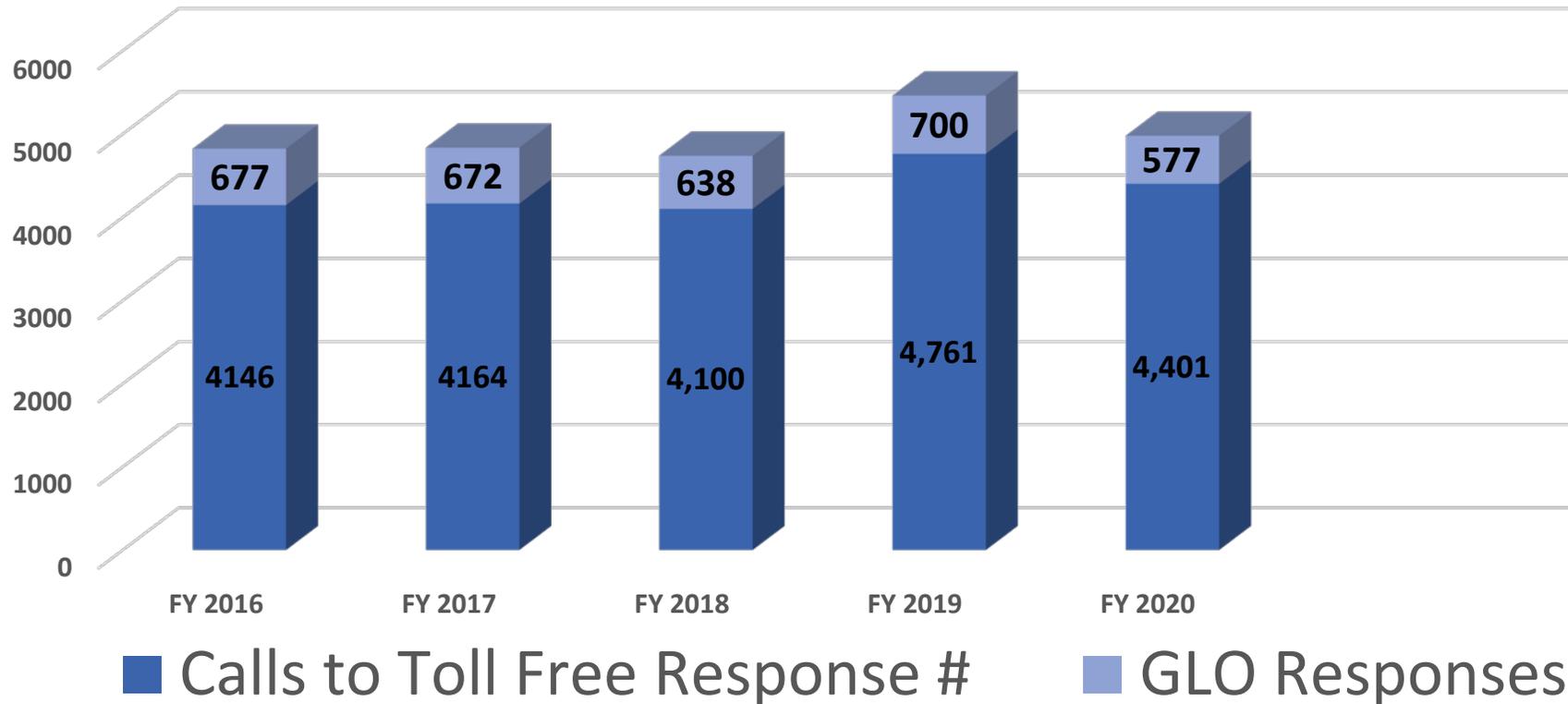
Date	Source	County	Water Body	Amount
2/1/2020	Unknown	Harris	Tabbs Bay	42,000
1/12/2020	Vessel	Jefferson	Port Arthur Canal	15,854
6/9/2020	Vessel	Galveston	Gulf Intracoastal Waterway	13,723
8/21/2020	Vessel	Nueces	Corpus Christi Inner Harbor	12,865
11/14/2019	Vessel	Jefferson	Jetty Channel	8,000
9/28/2019	Facility	Nueces	Corpus Christi Inner Harbor	7,030
10/26/2019	Vessel	Cameron	Gulf of Mexico	6,600

Historical Trends

Texas Spill Reports & Spill Responses FY 16-20

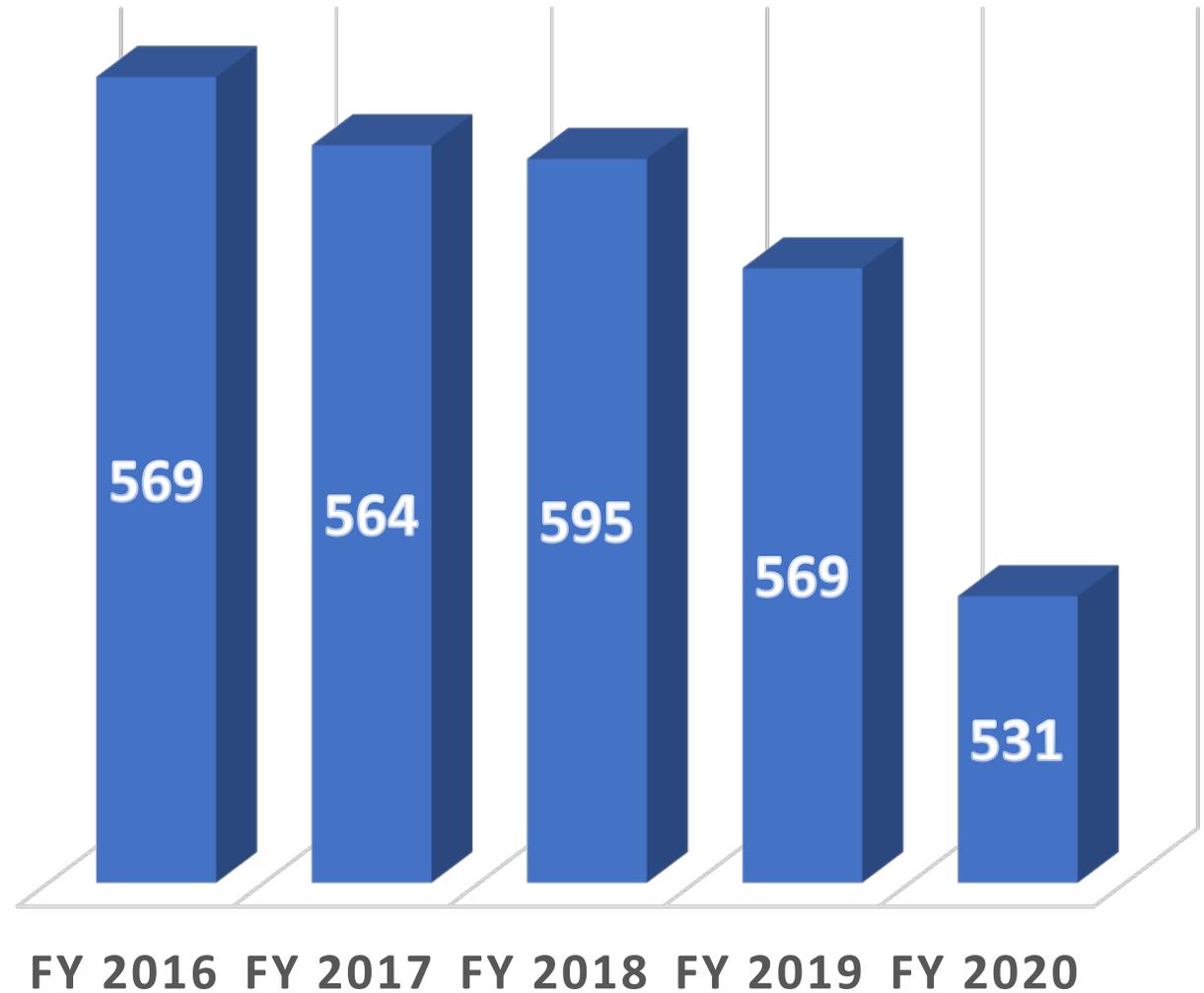
FY 2020 = Slightly fewer statewide calls, less TGLO responses

During FY 2020, the number of statewide calls to the TGLO response line was reduced by 360 calls, about 10 percent. The reduction was seen almost all within the 3rd and 4th quarters when the pandemic hit Texas, as well as when the state experiences markedly reduced per barrel prices. Responses within TGLO jurisdiction reduced correspondingly at slightly more than 15 percent from FY 2019.



General Land Office Oil Spill Certified Facilities Fiscal Years 2016-2020

- GLO provides initial certification and annually audits and inspects coastal oil handling facilities. Insecurity in the oil industry can be seen as the number of certified storage and transfer facilities continues to decrease and certifications take a steep drop in FY 2020.

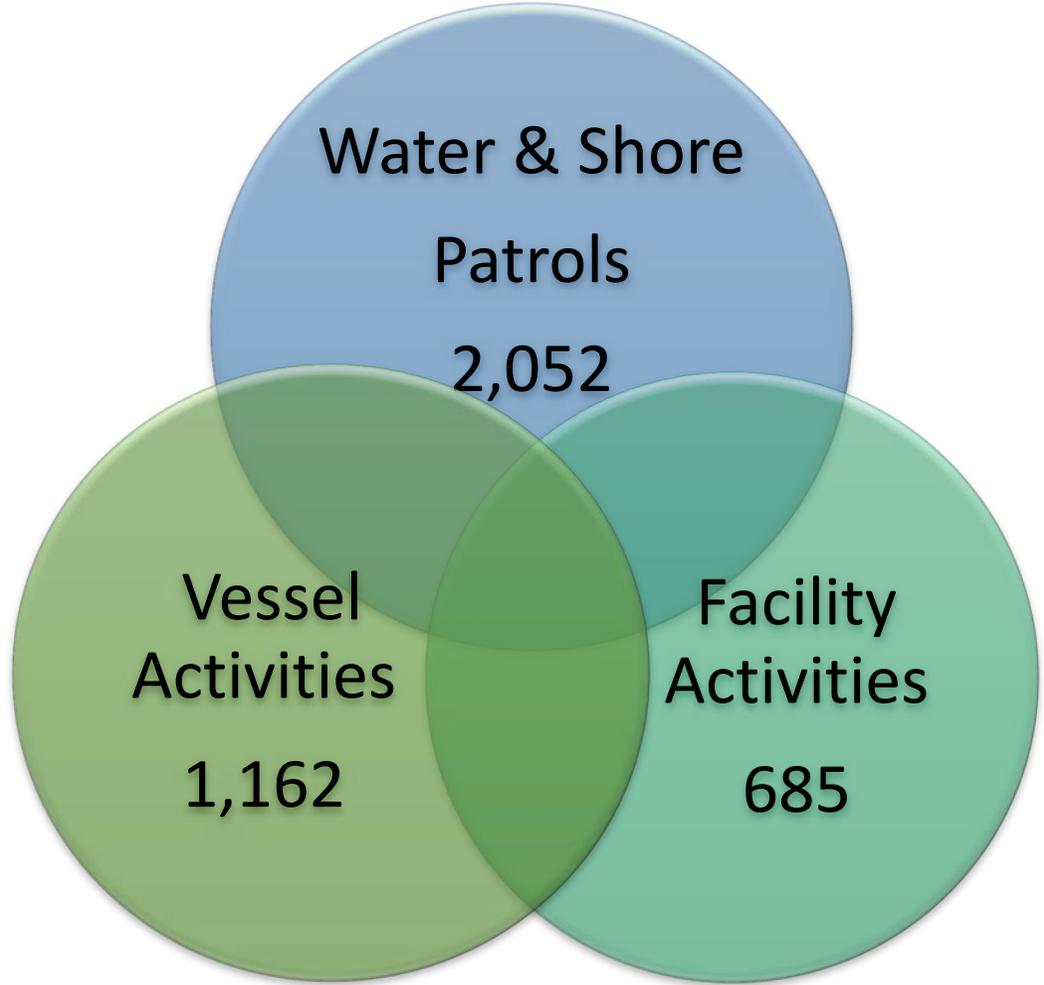


Texas Prevention Efforts

September 1, 2019-August 31, 2020

➤ Fully staffed, TGLO prevention efforts remained steady and consistent with industry activity

FY 2019	#
Patrols	1,816
Vessel Activities	1,528
Facility Activities	894



Derelict Vessel Removal Efforts

- As a recap, the Oil Spill division received \$2 million in appropriated funding for derelict vessel removal.
- The GLO issued a Notice to Proceed to Land and Sea Marine Salvage for removal of 34 identified vessels in the LaPorte and Port Lavaca field office regions. Removals began October 19, 2020.
- An additional request for proposal was scheduled on November 2 for the removal of 30 additional vessels in the Nederland, Corpus Christi and Brownsville regions. All funds must be expended by August 31, 2021.
- Although Vessel Turn In Program efforts were curtailed for Covid-19, VTIP events will kick off again beginning the second week of November in Galveston County.
 - Recent V-TIP events
 - Aransas Pass (October 2019) 31 vessels relinquished
 - Brazoria County (Feb 2020) 53 vessels relinquished

Program Totals March 2015 to present: 795 vessels relinquished, with approximately 1,236 gallons of product properly disposed of.

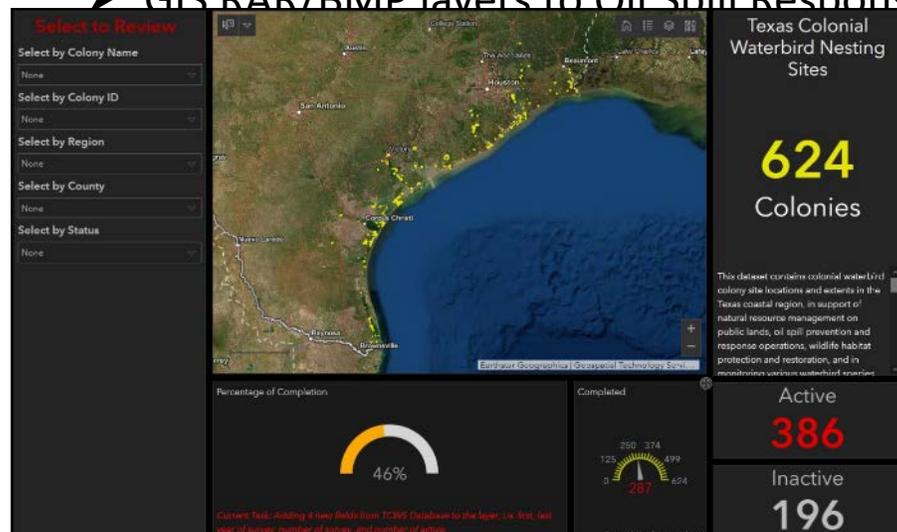


R&D Projects

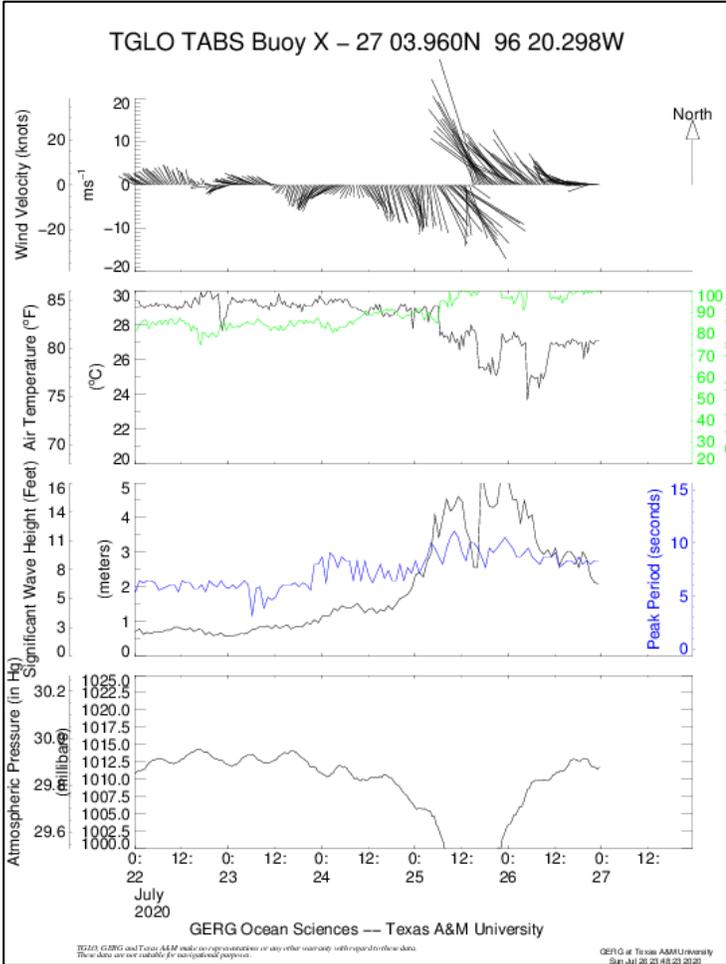
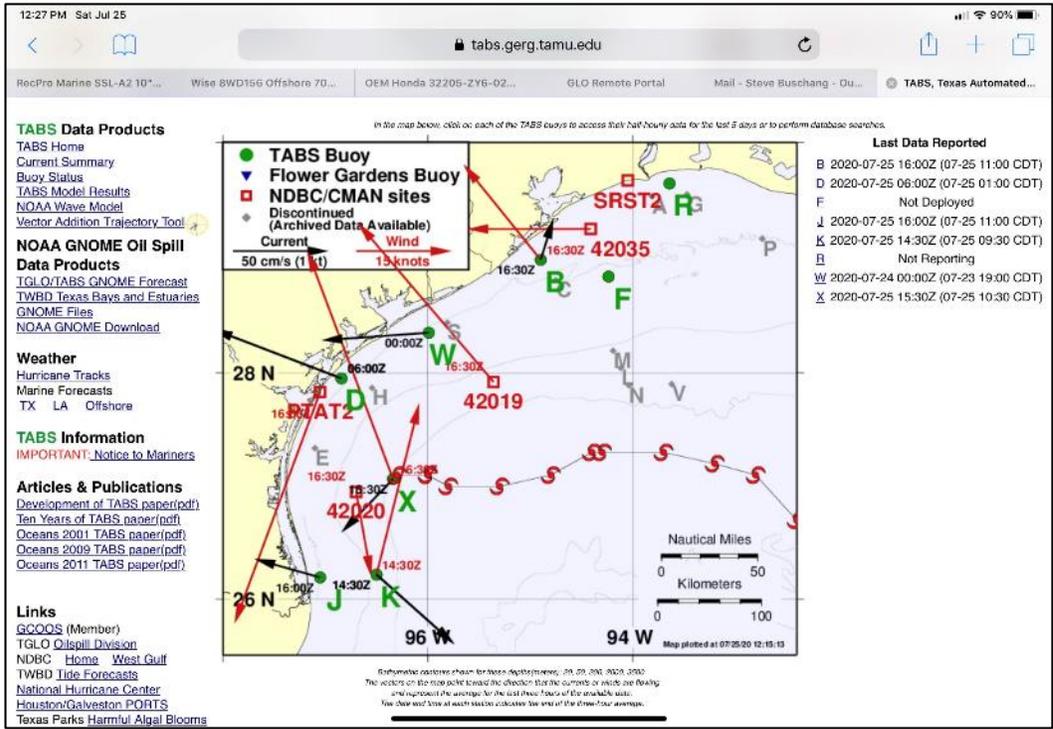
- Oil Spills During Natural and Man-made Disasters; Protecting Estuaries through Science and Promoting Social Well-being, A. Quigg, Texas A&M
- Connectivity of the Coastal and Bay Environment, T. Knap, Texas A&M GERG
- Developing UAV and Satellite Tools for Ocean Currents and Oil Transport, S. Socolofsky, Texas A&M Oceanography
- Oil Spill Response through Integrated Geospatial and UAS Protocols. J. Gibeaut, Texas A&M CC
- Tarball Classification and Hydrous Pyrolysis Treatment, T. Wade, Texas A&M GERG
- Mixing in the Texas Coastal Zone, W. Anderson, University of Texas Dallas
- Development of an In-situ Platform for Oil Spill Response and Assessment, A. Roberts, University of North Texas

R&D Projects papers/deliverables

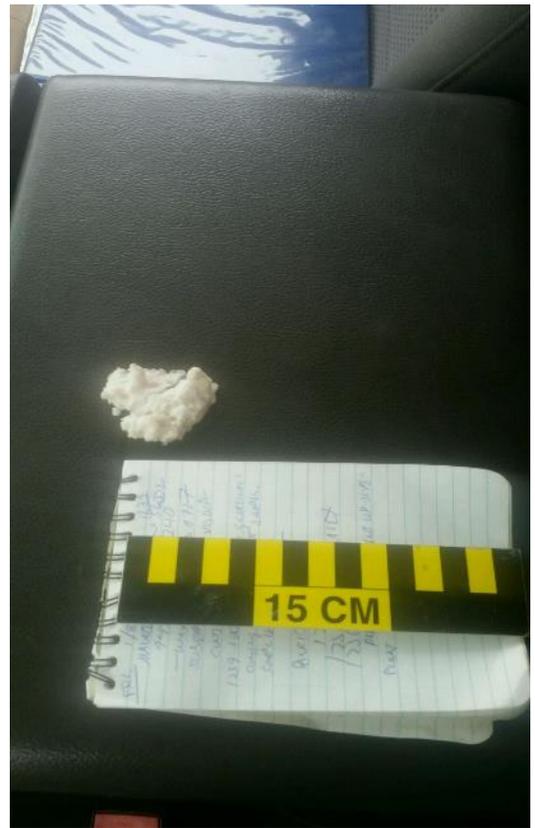
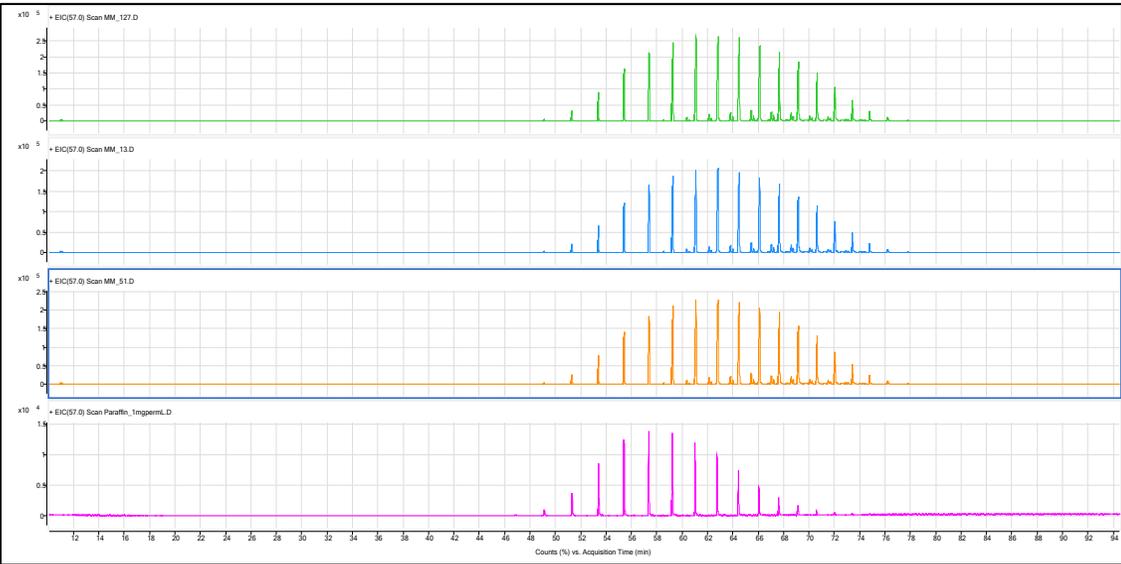
- Quigg, Texas A&M Galveston, Publication: Awareness Is Not Enough: Frequent Use of Water Pollution Information and changes to Risky Behavior, Sustainability 2020, 12, 8695
- Mike Starek, Texas A&M Corpus Christi. Technical Reports: Guidelines and Considerations for Surveying of Oil Spill Events on Sandy Beaches with UAS, Updates underway of the Offshore Structure Inventory (OSI) data
- Rookery Island Lidar GIS layer for spill preparedness and response, (UT BEG, GLO)
- GIS RAR/BMP layers to Oil Spill Response Toolkit (Gibeaut, RPL, GLO)



- Hanna*
- Laura
- Marco
- Sally
- Delta
- Beta*



➤ Paraffin 2nd stranding May 2016, August 2020





Accomplishments

Texas



Training

Description	Dates
You Don't Know what you don't Know Remote Sensing, GIS, and Modeling in Texas: Remote Sensing, GIS, and Modeling in Texas	June 25.2020

Exercises/Workshops

Description	Dates
NDOW	March, April 2020
TGLO Hurricane Exercise	June, 2020
USCG GUIE - Galveston	September, 2020
Exxon/Mobil	October, 2020

Fed/State/Local planning. Presentations and coordination efforts

Description	Dates
Progress in Operational Modeling in Support of Oil Spill Response; Journal of Marine Science and Engineering Manuscript, <i>Journal of Marine Science and Engineering</i> , Volume 9 (2020) Barker et al, part of GOMRI Core 7 Paper	Sep 2020
Texas Automated Buoy System (TABS), 25 Years Supporting Oil Spill Response, Trajectory Modelling and Research Along the Texas Coast, Walpert et al Oceans 2020	Oct, 2020



Outlook

Texas



Training

Description	Dates
2021 IOSC Short Course: "An Introduction to the Environmental Unit (EU) for Non-EU Personnel" Trumbull, Tarpley, Doelling Buschang	May 10-13, 2021
2021 IOSC Paper: "RESOURCES AT RISK: MAKING THE MOST OF THE ICS 232 FORM", H. Dubach/Buschang	May 10-13, 2021

Exercises/Workshops

Description	Dates
BP	November, 2020

Fed/State/Local planning and coordination efforts

Description	Dates
Next Gen ESI Maps NOAA	October 2020
Oil Spill On-line Toolkit Update: 22 nd edition	November 2020
Deepwater Port Application process : Risk Assessment	

Questions

State Report Outs



RRT-6 Fall 2020 Meeting

00 XXX 2018



PRIMARY	TCEQ	Anthony	Buck	anthony.buck@tceq.texas.gov
ALTERNATE	TCEQ	Tom	Erny	Tom.Erny@tceq.texas.gov

Executive Summary

Texas



Challenges-	COVID-19, Numerous Storms and large events
Lessons Learned-	Improvise and adapt
Best Practices-	Keep in touch with your Local, State, and Federal partners



Personnel Changes

Texas

Agency	Role	Incoming Name	Outgoing Name
TCEQ	Director, Office of Water	Earl Lott	L'Oreal Stepney
TCEQ	Director, Office of Compliance and Enforcement	Craig Pritzlaff	Ramiro Garcia



Corpus Christi Explosion



Date:	August 21, 2020
Type and amount of product spilled:	Natural Gas and Diesel
Cause of spill:	A private contract dredging vessel hit a propane pipeline in the Corpus Christi Ship Channel
Key operational activities:	Air monitoring and Regulatory Oversight
Agencies Involved:	Everyone
Major lessons learned:	Getting the proper air monitoring equipment can be challenging

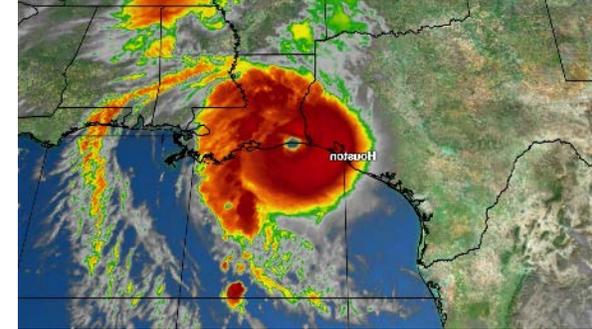




Hurricanes Hannah, Lauren, and Delta



Date:	Hurricane Season 2020
Type and amount of product spilled:	Various
Cause of spill:	Busy hurricane season
Key operational activities:	Air monitoring and Debris Management
Agencies Involved:	Everyone
Major lessons learned:	The NDOW COVID-19 HASP worked well. TCEQ's air monitoring initiatives were effective





Metrics/Trends/Challenges

Texas



1216 ER Spill Reports entered April to November

83,626 Tier 2 reports

33 of them being Agriculture Ammonium Nitrate



Accomplishments

Texas

UAS Program



Texas, Parks and Wildlife Department (TPWD)



PRIMARY	TCEQ	Anthony	Buck	anthony.buck@tceq.texas.gov
ALTERNATE	TCEQ	Tom	Erny	Tom.Erny@tceq.texas.gov
PRIMARY	TDEM	Bryan	Becknel	bryan.becknel@dps.texas.gov
ALTERNATE	TDEM	Ben	Patterson	ben.patterson@dps.texas.gov
PRIMARY	TDSHS	Bruce	Clements	
ALTERNATE	TDSHS	Jeff	Hoogheem	jeff.hoogheem@dshs.state.tx.us
ALTERNATE	TGLO	Steve	Buschang	Steve.Buschang@glo.texas.gov
PRIMARY	TGLO	Jimmy	Martinez	Jimmy.a.martinez@glo.texas.gov
	TPWD	Heather	Biggs	Heather.Biggs@tpwd.texas.gov
	TPWD	Alex	Nunez	Alex.nunez@tpwd.texas.gov
	TPWD	Johanna	Belssner	Johanna.Gregory@tpwd.texas.gov
PRIMARY	TRRC	Peter	Pope	peter.pope@rrc.texas.gov
ALTERNATE	TRRC	Jessica	Cofrancesco	Jessica.Cofrancesco@rrc.texas.gov



Personnel Changes

Texas

Agency	Role	Incoming Name	Outgoing Name
TPWD	Region 3 Coordinator	Interim: Claire Iseton Justin Cournoyer	Heather Biggs



Red Bluff Brine Release

Texas

Date:	April, 2020
Type and amount of product spilled:	Possible brine release of unknown volume.
Cause of spill:	On-going investigation of a plugged well adjacent to the reservoir as source of increased conductivity concentrations in lake.
Key operational activities:	Investigating source of increased conductivity in lake resulting in a large fish mortality event.
Agencies Involved:	RRC, TPWD, TCEQ
Major lessons learned:	



Dead fish along the shore



Sediment plum from pad site



Tule Channel Fire

Texas

Date:	August 21, 2020
Type and amount of product spilled:	
Cause of spill:	Dredging operations striking a propane line
Key operational activities:	Establishment of wildlife group
Agencies Involved:	USCG, TGLO, TCEQ, TPWD
Major lessons learned:	Wildlife Rehabilitation Center was successfully established at the Texas State Aquarium since early 2000's. Staff support and location proved to be ideal for wildlife operations



Inner Harbor of the Port of Corpus Christi



Scorched mammal



Metrics/Trends/Challenges

Texas

- 40 incidences investigated by TPWD Kills and Spills Team
 - 8 Pollution cases with no impacts to fish or wildlife
 - 5 Wildlife Cases
 - 4 Chemical or hazardous substance related
 - 27 Fish Kill cases
 - 6 Chemical or hazardous substance related
- No deviation from number of investigations during summer months



Accomplishments

Texas

Training

Description	Dates
1 sUAS Remote pilot license received under FAA Part 107 Rule	
DOI NRDA and Restoration Training	Nov 2 and 6

Exercises/Workshops

Description	Dates

Fed/State/Local planning and coordination efforts

Description	Dates
NDOW Hurricane Pre-impact coordination meetings	Summer.....
RRT-6 Fish and Wildlife and Sensitive Environments Plan Workgroup (SE Texas/SW Louisiana)	
ACP meetings	

New Mexico



PRIMARY	NMED	Stephen	Connolly	Stephen.Connolly@state.nm.us
ALTERNATE	NMED	John	Kieling	john.kieling@state.nm.us
ALTERNATE	NMED	Janine	Kraemer	janine.kraemer@state.nm.us
PRIMARY	NMHD			
PRIMARY	NMHSEM	Julie	Jolly	julie.jolly@state.nm.us
ALTERNATE				



Executive Summary

New Mexico

Challenges-	Covid-19
Lessons Learned-	Using ZOOM effectively
Best Practices-	Virtual Webinars



Personnel Changes

New Mexico

Agency	Role	Incoming Name	Outgoing Name
NM DHSEM	Cabinet Secretary	Bianca Ortiz-Wertheim	Jackie Lindsey



Metrics/Trends/Challenges

New Mexico

COVID-19 continues to be a challenge in 2020 and will probably continue to be a challenge in 2021



Laws/Regulations/Policies

New Mexico

- **New Mexico Hazardous Materials Emergency Response Plan (HMER)**
- **Annual Update 28 October 2020**



Accomplishments

New Mexico

Training

Description	Dates
None	

Exercises/Workshops

Description	Dates
Virtual LEPC 101	30 Oct – 1 Nov

Fed/State/Local planning and coordination efforts

Description	Dates
New Mexico Hazardous Materials Emergency Response Plan (HMER)	28 October 2020



Outlook

New Mexico

Training

Description	Dates

Exercises/Workshops

Description	Dates
LEPC 101	June 2021

Fed/State/Local planning and coordination efforts

Description	Dates
2020 Annual NM State Emergency Response Commission (SERC) Report	Dec 2020

Region 6 Tribes

Federal Report Outs



RRT-6 Spring 2020 Meeting

27 May 2020



FEMA

Primary	US DHS / FEMA	Shannon	Moran	Shannon.moran@fema.dhs.gov
Alternate	US DHS / FEMA	Christine	Hanson	Christine.hanson@fema.dhs.gov
Alternate	US DHS / FEMA	Dave	Bell	David.bell@fema.dhs.gov
Alternate	U.S. DHS / FEMA	Kevin	Jaynes	kevin.jaynes@fema.dhs.gov

Executive Summary

Challenges-	Hurricane/All-Hazards Response in the COVID environment
Lessons Learned-	<p>Risk Management and Resource Prioritization is critical:</p> <ul style="list-style-type: none">• Survivors• Responders• Commodities <p>Resource adjudication and justification</p> <ul style="list-style-type: none">• Resource Request Tracking documents
Best Practices-	<ul style="list-style-type: none">• Simplified mission command/tracking• Continue utilizing FEMA Integration Team (FIT) within State EOCs• Virtual platforms

Key Personnel Changes

Role	Incoming	Outgoing
Emergency Services Branch Director & Primary RRT Member	Shannon Moran	Christine Hanson
Response Division Director	Laverm "Bullett" Young	Ken Clark
Operations Integration Branch Chief	Christine Hanson	Laverm "Bullett" Young

Metrics/Trends/Challenges

- COVID Metrics (as of 22 Oct 20):
 - 1465 COVID RRFs
 - 227 Days in response
- Challenge – ESF vs. Agency activation
 - RRF 2814-406442: Mobile Water Lab to perform coliform and E.coli sampling
 - ESF 10 asset assigned to ESF 3 mission

Accomplishments

Training

Description	Dates
NWIRT Consequence Mgmt training. Defense Nuclear Weapons School	22 Sep
FEMA Operations "Lunch and Learn" ESF Sessions	Monthly
Monthly HQ/Regional FNARS TESTING	Monthly
Devolution Communications Training	1 SEP

Exercises/Workshops

Description	Dates
FEMA National TEPW	25-27 Aug 20
Texas COVACC TTX	28 Oct 20
IGS MUTUAL LINK Exercise	June
MSAT G2 R6/TX Comms Validation Test	August

Fed/State/Local planning and coordination efforts

Description	Dates
MSY Site Visit and Contingency Planning	21-25 Sep 20
Virtual RISC Meeting	20-21 Oct 20
Region 6 FNARS Equipment Upgrade	June-August
R6 RECCWG PLENARY	10 DEC

Outlook

Training

Description	Dates
FEMA Operations “Lunch and Learn” ESF 3	TBD Nov 20

Exercises/Workshops

Description	Dates
National Exercise Program 21-22 Development	TBD Nov 20

Fed/State/Local planning and coordination efforts

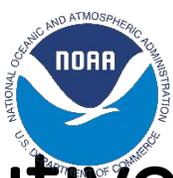
Description	Dates
Virtual RISC/Vaccine Distribution TTX	TBD Jan 21



NOAA/OR&R



Alternate	U.S. DOC -- NOAA	Paige	Doelling	paige.doelling@noaa.gov
Primary	U.S. DOC – NOAA	Charlie	Henry	charlie.henry@noaa.gov
Alternate	U.S. DOC -- NOAA	Brandi	Todd	brandi.todd@noaa.gov

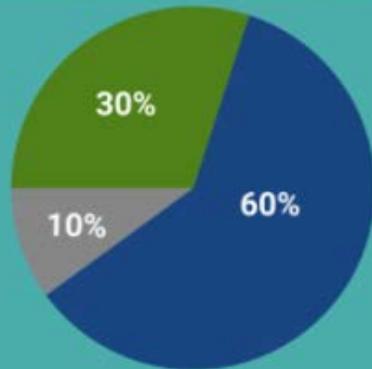


Executive Summary

Challenges-	COVID-19 Mission Impacts Travel Restricted to Essential Only Maximized Telework in Use Very Busy Atlantic Hurricane Season
Lessons Learned-	Hurricane Workshop/Summit 2020 Hurricane Workshop/Summit 2021
Best Practices-	“There is nothing gained by the second kick of a mule.”



2020 Atlantic Hurricane Season Outlook



■ Above-normal ■ Near-normal ■ Below-normal season
Season probability

Named storms
13-19

Hurricanes
6-10

Major hurricanes
3-6



UPDATED 2020 Atlantic Hurricane Season Outlook 11/05/20



■ Above-normal ■ Near-normal ■ Below-normal season
Season probability

Named storms
28 and counting

Hurricanes
12 and counting

Major hurricanes
3-6



Key Personnel Changes

Role	Incoming	Outgoing
NOAA Office of Response and Restoration Chief	NSTR	NSTR
	*	

NSTR ON THE REMAINING SLIDES

Department of the Interior (DOI)





DOI RRT Primary, Alternate	Regional Environmental Officer– Albuquerque REO - Denver	Susan King Courtney Hoover	susan_king@ios.doi.gov courtney_hoover@ios.doi.gov
BSEE – GOM	Senior Preparedness Analyst	Gary Petrae	gary.petrae@bsee.gov
FWS-Contam	National Contaminants Coordinator/EPA R 6 advisor	Barry Forsythe	barry_forsythe@fws.gov
FWS-Contam	Regional Contaminants NM, TX, OK/Regional LA, AR	Lynn Wellman Rob Tawes	lynn_wellman@fws.gov robert_tawes@fws.gov
FWS-TX	Contaminants/ESA- Coast,Inland	Denise Ruffino Erik Orsak	denise_ruffino@fws.gov erik_orsak@fws.gov
FWS-OK	Contaminants/ESA	Susanne Dunn Jonathan Fischer	suzanne_dunn@fws.gov jonathan_fischer@fws.gov
FWS-NM, AR	Contaminants/ESA	Lynn Wellman Melvin Tobin	lynn_wellman@fws.gov melvin_tobin@fws.gov



FWS-LA SE	LA Oil & Gas, SE Refuges	Jimmy Laurent Chelsea Stringfield	jimmy_laurent@fws.gov chelsea_stringfield@fws.gov
FWS-LA SW	LA Oil & Gas Specialist, SW Refuges	Patrice Betz	patrice_betz@fws.gov
FWS-LA ESA	LA- Endangered Species	Brigette Firmin	brigette_firmin@fws.gov
FWS-GOM	Senior Biologist, Interior Region 2-GOM support	Felix Lopez	felix_lopez@fws.gov
Other DOI	National Park Service Bureau of Land Management Bureau of Indian Affairs	Dave Anderson Terry Gregston Waylon Denny	david_anderson@nps.gov tgregston@blm.gov waylon.denny@ios.doi.gov



Executive Summary

Challenges	<ul style="list-style-type: none">➤ COVID-19 control measures- including<ul style="list-style-type: none">➤ opening of parks, refuges, other “public facing” facilities➤ Hurricanes➤ Spills in or near LA national wildlife refuges
Lessons Learned	<ul style="list-style-type: none">➤ Greater coordination among DOI entities needed for spill notification, response
Best Practices	<ul style="list-style-type: none">➤ Virtual Compliance Activities: Exercises, Equipment Inspections➤ Microsoft Teams, Zoom effective platforms for communicating within/outside DOI

Metrics/Trends/Challenges

BSEE (FY20)

- 196 Oil Spill Response Plans submitted and reviewed
- 13 Government Initiated Unannounced Exercises (GIUEs)
- 79 Equipment preparedness verification inspections (depots)
- 28 Functional or Full-scale exercises evaluated
- 26 Response team training and equipment deployment exercises evaluated
- 22 Incident Management Team training audits
- Field activities slowly resuming; planning continues

OFFICE OF ENV POLICY & COMPLIANCE (since last RRT)

- 2,164 National Response Center reports reviewed
- 171 notifications sent to FWS



Laws/Regulations/Policies

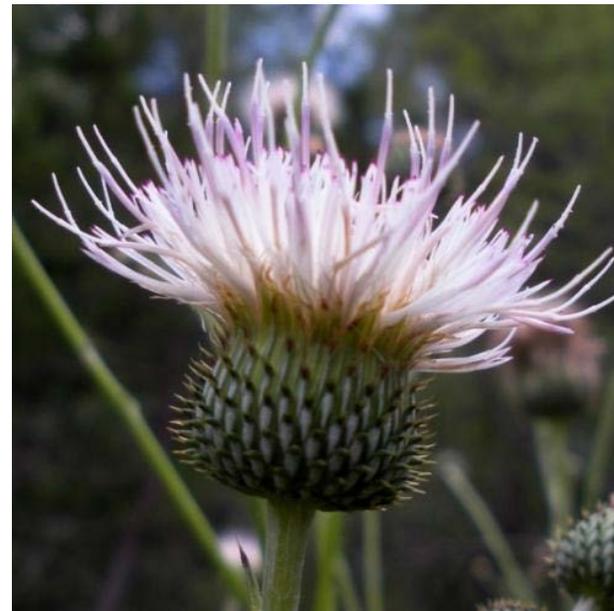
Endangered Species Act (ESA)

- Eastern black rail –Listed (Threatened) Oct 8, 2020
- American burying beetle – Was Endangered, moved to Threatened, Sept 3



Endangered Species Act (contd)

- Red-Cockaded Woodpecker Proposed to be Moved from Endangered to Threatened, Oct 8
- Wright's Marsh Thistle, NM, Proposed as Threatened, Sept 29





Accomplishments

Exercises/Workshops

Training

Description	Date
National Pollution Fund Center training for national DOI representatives	Sept 2020

Description	Dates
TB rescheduled due to COVID-19	

Fed/State/Local planning and coordination efforts

Description	Dates
Fish, Wildlife and Sensitive Environments Plan, SE TX/SW LA Area Contingency Plan	June-Sept 2020
Worst Case Discharge Scenarios selection – USCG/BSEE	July 2020
BSEE Offshore Response Information for Area Contingency Plans	FY2020 – FY2023
Hurricane Laura Pollution Assessment, Targeting & Mitigation Protocols	Sept 2020



Outlook

Training

Description	Dates
DOI Inland Oil Spills course – Denver	FY 2021
Historic Properties Specialist training, NPS	FY 2021
Regional Env Officer Natl Pollution Funds Center	FY 2021

Exercises/Workshops

Description	Dates
Natural Resources Damage Assessment & Restoration Seminars	Ongoing

Fed/State/Local planning and coordination efforts

Description	Dates
Beta testing, USCG-FWS Biological Evaluation Form, LA	Continuing
Area Contingency Plans – FWSEP revisions	Ongoing
Clean Gulf 2021	Oct 2021

U.S. Navy Region Southeast





(U) Points of Contact Navy Region Southeast

Primary : Navy On-Scene Coordinator

John E. Baxter, PE

new Direct: +1 904 542 2882 (DSN 942)

Mobile: +1 904 482 8397

john.baxter3@navy.mil

***New* Alternate : Deputy On-Scene Coordinator**

Sarah Murtagh

Direct: +1 904 542 8044

Mobile: Pending

Sarah.Murtagh@navy.mil



(U) Area of Responsibility





(U) Metrics/Trends/Challenges

- COVID-19 Restrictions:
 - The Navy has been very conservative with reopening in order to protect operational mission

- Trends:
 - Natural disasters (hurricanes)



(U) Accomplishments

Training / Exercises

Description	Location	Dates
ICS 300 & TTX	NAS Corpus Christi	Mar 2020
ICS 300 & TTX	NAS Kingsville	Sep 2020
ICS 300 & TTX	NAS JRB Fort Worth	Aug 2020
ICS 300 & TTX	NAS JRB New Orleans	July 2020

*** All were conducted virtually due to COVID-19**



(U) 2021 Outlook

Exercises

	1 st Qtr	2nd Qtr	3rd Qtr
Small Discharge	-	NAS JRB New Orleans 12-16 APR	-
	-	NAS Kingsville 10-14 May	-
Medium Discharge	-	NAS Corpus Christi 12-16 May	-
Worst Case Discharge	-	-	NAS JRB Fort Worth 9-11 Aug



Questions?



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Sector Corpus Christi

Captain Edward Gaynor
Sector Commander

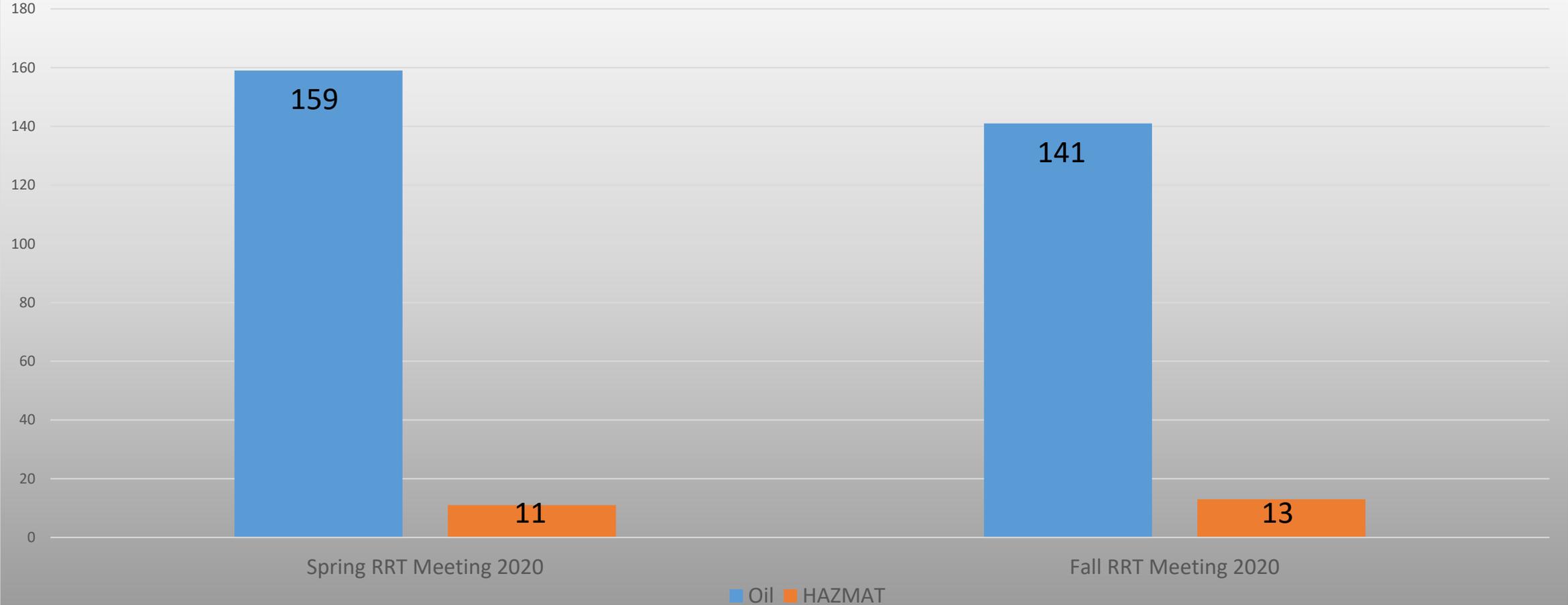


NRC Notifications	RRT Activations	Federal Projects	CERCLA Projects
154	0 Surface Washing Agents 0 In-situ Burns 0 Dispersants	4	0

Executive Summary

Challenges-	Combining COVID, Hurricane Season, and a full scale IMT activation for a real world incident
Lessons Learned-	<ul style="list-style-type: none">-Integrating experts early (State SSC, NOAA, NWS)- Managing three simultaneous IMTs led to no qualified DOCL or SITL available.-Chains of communication and a documentation plan were key.
Best Practices-	<ul style="list-style-type: none">-All CG members were required to wear an N95 mask – 0 COVID cases among CG members-Pre-existing relationships were crucial with an extended response under COVID protocols.-Stocked go kits were a huge benefit.

NRC Notifications





RRT Activation / Notification

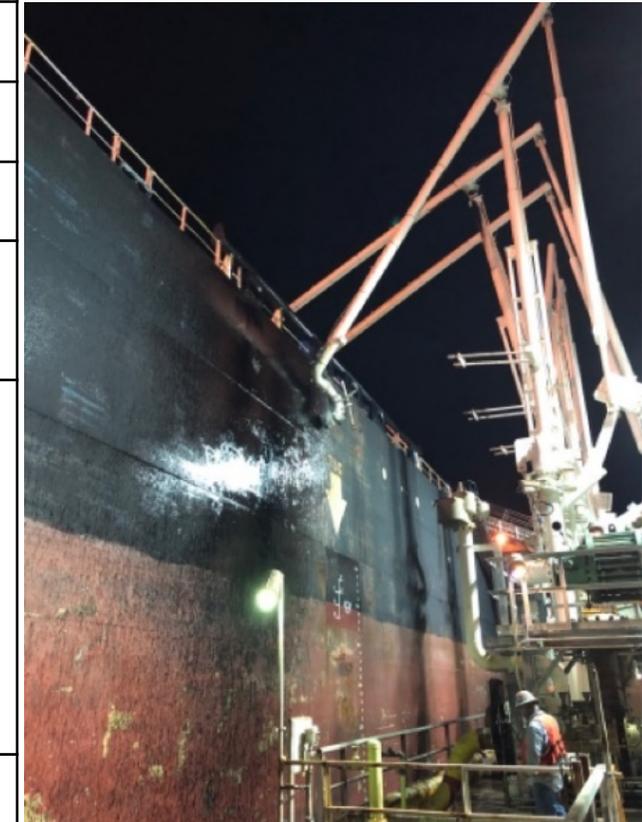
Date (xx/xx/xxxx):	07/25/2020	Activation		Notification	
Incident Name:	Hurricane Hanna (Harbor Del Sol)				
Location:	Marina Del Sol				
Responsible Party:	Multiple vessel owners				
Type and amount of product spilled:	Diesel/ gasoline Potential Only				
Issue / Concern:	Marina completely destroyed as a result of Hurricane Hanna. Multiple vessels sunk/submerged. Multiple derelict vessels. Contact with RPs was difficult. Debris made access an issue. Although an unknown potential threat did exist for 13 submerged vessels, with no active sheening and debris there was no need to federalize any particular vessel.				
Agencies Involved:	USCG, TGLO				
Decisions Made:	As the marina is privately owned, working with State, Marina HOA and vessel owners to evaluate how they plan on securing threat of pollution. City of Corpus Christi brought in heavy machinery to help clear large debris to improve safety of response to vessels in marina.				





RRT Activation / Notification

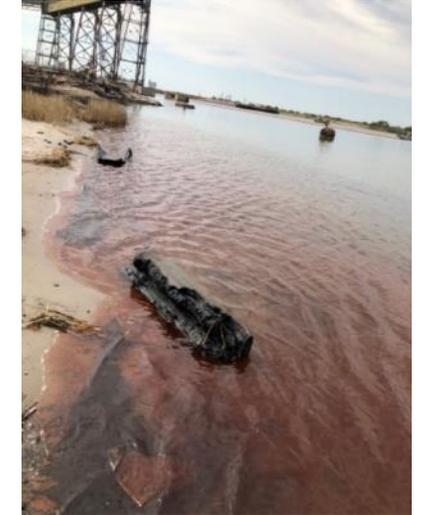
Date (xx/xx/xxxx):	08/15/2020	Activation		Notification	
Incident Name:	Valero Loading Arm				
Location:	Valero Dock #2				
Responsible Party:	Valero Refinery				
Type and amount of product spilled:	Atmospheric Tower Bottoms 2 Barrels				
Issue / Concern:	Loading arm developed leak and sprayed two barrels of oil onto side of M/T ALHANI and into the water. Widely dispersed spray made cleanup challenging. Scaffolding was constructed to pressure wash loading arm and vessel. Miscommunication between RP and OSRO resulted in need to reconstruct scaffolding. Pipeline explosion 600 yards east occurred in final stage of cleanup creating nearby safety zone and slowed cleanup of the dock area.				
Agencies Involved:	USCG, TGLO				
Decisions Made:	Monitored response for effectiveness. M/T ALHANI was allowed to shift within containment to enable cleanup equipment to reach all areas of hull. Sorbents were used where oil had sprayed in hard to reach areas, such as between grates.				





RRT Activation / Notification

Date (xx/xx/xxxx):	08/21/2020 – 9/18/2020	Activation		Notification	X
Incident Name:	Tule Lake Channel Fire				
Location:	Corpus Christi Inner Harbor				
Responsible Party:	Under investigation				
Type and amount of product spilled:	Pipeline: Propane, Dredge: Diesel, hydraulic oil				
Issue / Concern:	Submerged pipeline explosion and fire onboard dredging vessel. Pipeline released propane in air. Dredge discharged diesel and hydraulic oil in the water. Dredge sank with 6000 gallon potential of diesel on board. Salvage operations increased the likelihood for larger discharge.				
Agencies Involved:	USCG, TGLO, TCEQ, TRRC				
Decisions Made:	Monitored all salvage operations in an effort to keep all potential pollution within containment and recover as much product as possible. On water oil recovery paused while divers down in initial recovery phase. Sorbent and hard boom left in place until completion of salvage removed all potential sources. Estimated total of 6,075 gals of diesel and hydraulic oil and 1,200 gallons of lube oil recovered.				



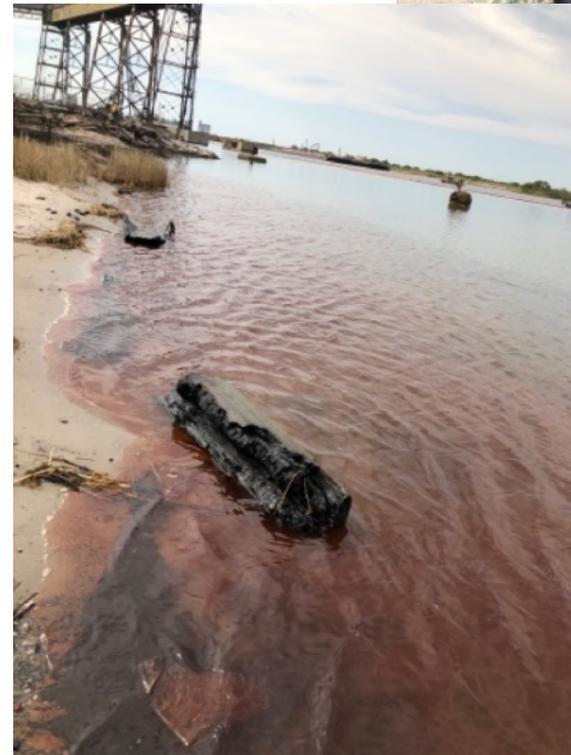
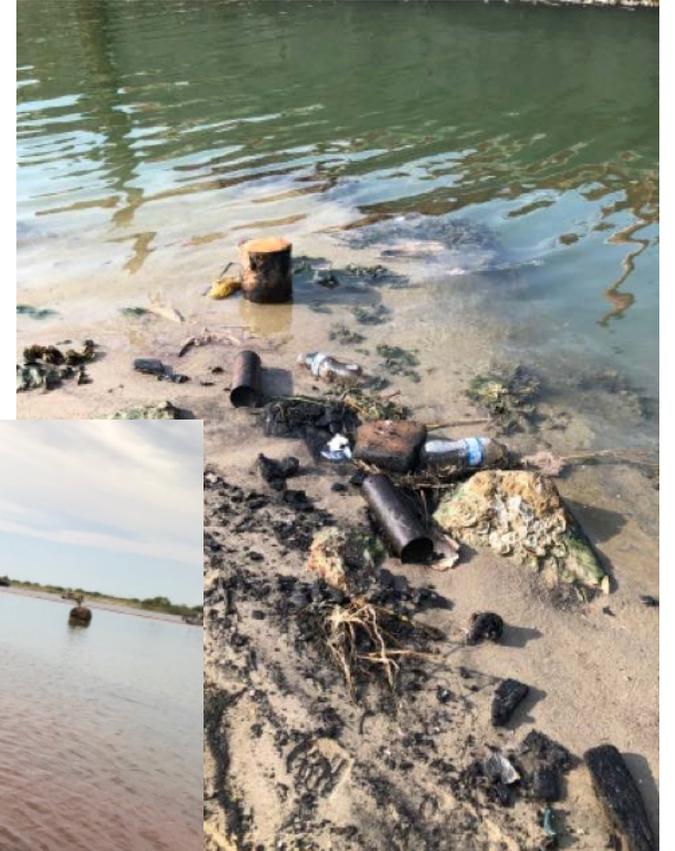
21 Aug 2020 – Fire & SAR



- 0800 – Report of explosion and dredge fire. Smoke seen from the Sector. High media interest
- 1000 – confirmed product in the pipeline was propane. Line was shut in and would burn out when depleted. FF efforts focused on dredge.
- 1608 – Fire extinguished. No pollution identified.
- 2119 – Vessel reflashed and sinks.

Pollution Response

- 22 Aug – 19 September
- Early utilization of GRS to protect the one sensitive site near by – TULE lake.
- Continuous assessment required due to changing conditions
- Coordinated Multi agency effort
- Limited wildlife impact
- Shore line impact confined to highly industrialized area ~ 1 mile



Salvage

- Completed 19 September
- Initial salvage focused on Search and Rescue mission.
- Required continued coordination between on water pollution response and dive operations.
- Hurricane season delays
- Delays to fabricate components and gather equipment
- Radiological hazard concerns
- Utilized longer operational periods



COVID Management



- ICP stood up at Port Building (Ortiz center) through 28 Aug, then returned to virtual
- N95 masks for all CG personnel.
- Focus on COVID in the site safety plan & safety instructions
- Separation of ICP and on scene personnel.
- Delays to operations from positive COVID-19 tests

Consultations



Unit	Incident Name	Start Date	Stop Date	With	Phase	For	Response Actions	Species (Common Name)	Type	Federal Listing Status	Critical Habitat	General Cost	Land Cost	Total Cost
NSTR														



Accomplishments

Since last RRT meeting
27 May 2020

Training		Exercises / Workshops		Federal, state, and local planning and coordination efforts	
Description	Dates	Description	Dates	Description	Dates
Tentative until COVID guidelines permit		NDOW TTX	JULY 15	AC Meeting (HSIN/ teleconference)	AUG 2020
				HAZID Bluewater SPM	May 28-June 14
				BSEE Worst Case Discharge Selection	July 1, 9
				Mexico Drilling Discussions	July 2020
				Hurricane Hanna	July 26-Aug 03
				Tule Lake Channel Fire	Aug 21-28

Outlook

Until Next RRT meeting
5 May 2021

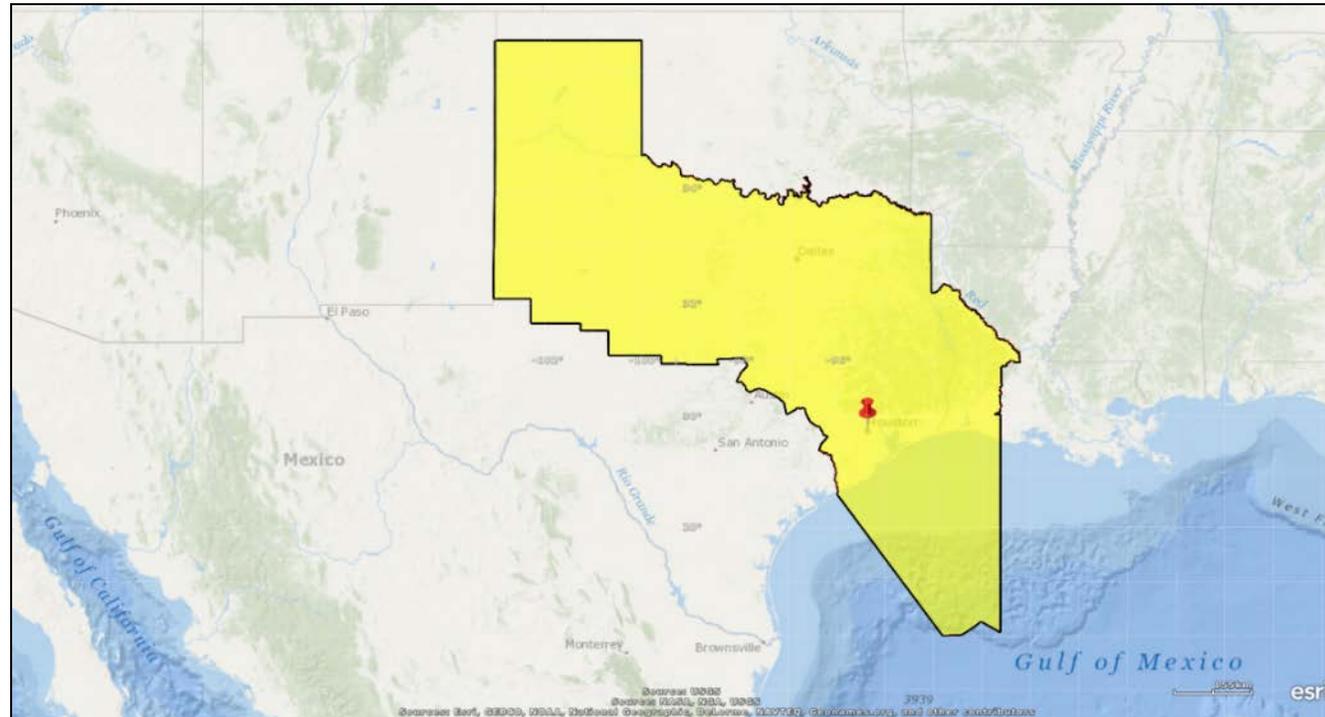


Training		Exercises / Workshops		Federal, state, and local planning and coordination efforts	
Description	Dates	Description	Dates	Description	Dates
		BP Shipping Operational Exercise	Nov 10	STCZ ACM	NOV 18
				STCZ ACM	JAN
				STCZ ACM	APR

Sector Houston-Galveston



Captain Jason Smith
Sector Commander



NRC Notifications	RRT Activations	Federal Projects	CERCLA Projects
354	0 Surface Washing Agents 0 In-situ Burns 0 Dispersants	04	01

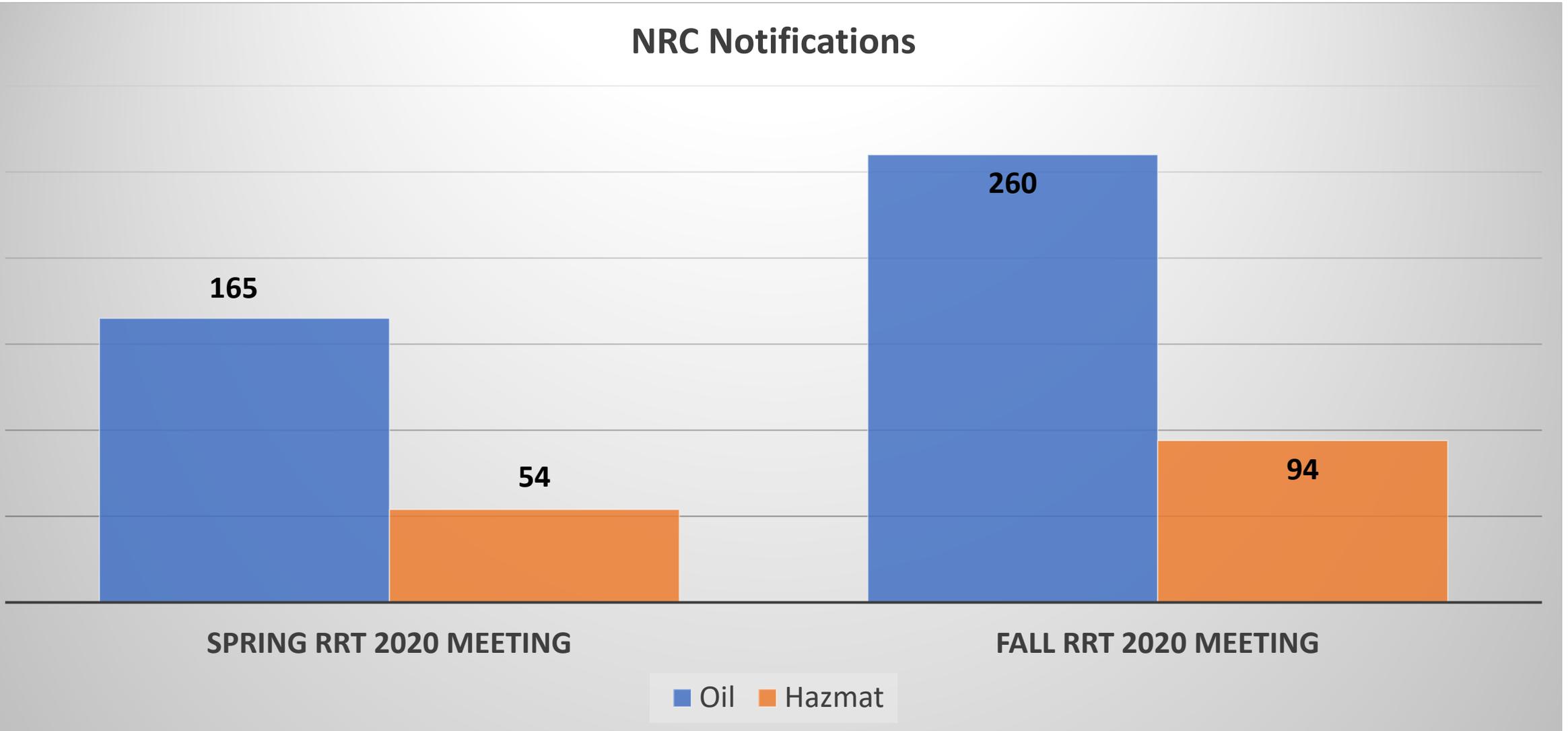


Executive Summary

Challenges-	Virtual exercises significantly limit professional development. Differences in the virtual platforms used by agencies during exercises creates communication issues.
Lessons Learned-	
Best Practices-	



NRC Notifications



Consultations



Unit	Incident Name	Start Date	Stop Date	With	Phase	For	Response Actions	Species (Common Name)	Type	Federal Listing Status	Critical Habitat	General Cost	Land Cost	Total Cost
Sector H/G	Abandoned Vessel (San Jacinto River)	11SEP20	19SEP20	DOI/USF&W	Response	Emergency Consultation	Hardboom/Sorbent Boom/Vessel Salvage	West Indian Manatee	ESA	Threatened	No	198	0	198
Sector H/G	Abandoned Vessel (San Jacinto River)	11SEP20	19SEP20	DOC/NMFS	Response	Emergency Consultation	Hardboom/Sorbent Boom/Vessel Salvage	Kemp's Ridley's Sea Turtles	EFH	N/A	No	198	0	198



Accomplishments

Since last RRT meeting - 27 May 2020

Training		Exercises / Workshops		Federal, state, and local planning and coordination efforts	
Description	Dates	Description	Dates	Description	Dates
NRP for ACP Q&A	13 Aug 2020	Severe WX TTX	17 Jun 2020	NRT ACP Architecture Sub-workgroup	28 Jul 2020
Virtual IMT Training	18-19 Aug 2020	NDOW Hurricane FSE	15 Jul 2020	Harris County Judge Meeting	31 Jul 2020
ICS Unit Leader Training	Oct 13-14, 2020	MTSRP SEM	28 Jul 2020	Economic GRS Workgroup	12 Aug 2020
IMT Exercise	20 Oct 2020	EPA IMT Exercise	18 Aug 2020	Vessel Decon Workgroup	17 Aug 2020
ICS-339 DIVS	28-29 Oct 2020	PREP TTX	09 Sep 2020	Galveston County Judge Meeting	18 Aug 2020
		Exxon/BSEE Exercise	22 Oct 2020	CTCAC Meeting	03 Sep 2020
		BP FE	4-5 Nov 2020	Harris County CAMP Meeting	23 Sep 2020
				Galveston Bay Council Meeting	21 Oct 2020
				Various LEPCs	Multiple Dates

Outlook



Until Next RRT meeting
5 May 2021

Training		Exercises / Workshops		Federal, state, and local planning and coordination efforts	
Description	Dates	Description	Dates	Description	Dates
FOSCR College	TBD	IAEM Conference	16-18 Nov 2020	CTCAC Meeting	04 Feb 2021
		TX Disaster WS	17-18 Dec 2020	Various LEPCs	Multiple Dates

MSU Port Arthur



Captain Molly Wike
MSU Commanding Officer



NRC Notifications	RRT Activations	Federal Projects	CERCLA Projects
<p align="center">170 Total (28 May – 19 Oct 2020)</p>	<p>0 Surface Washing Agents 0 In-situ Burns 0 Dispersants</p>	<p align="center">3</p>	<p align="center">0</p>

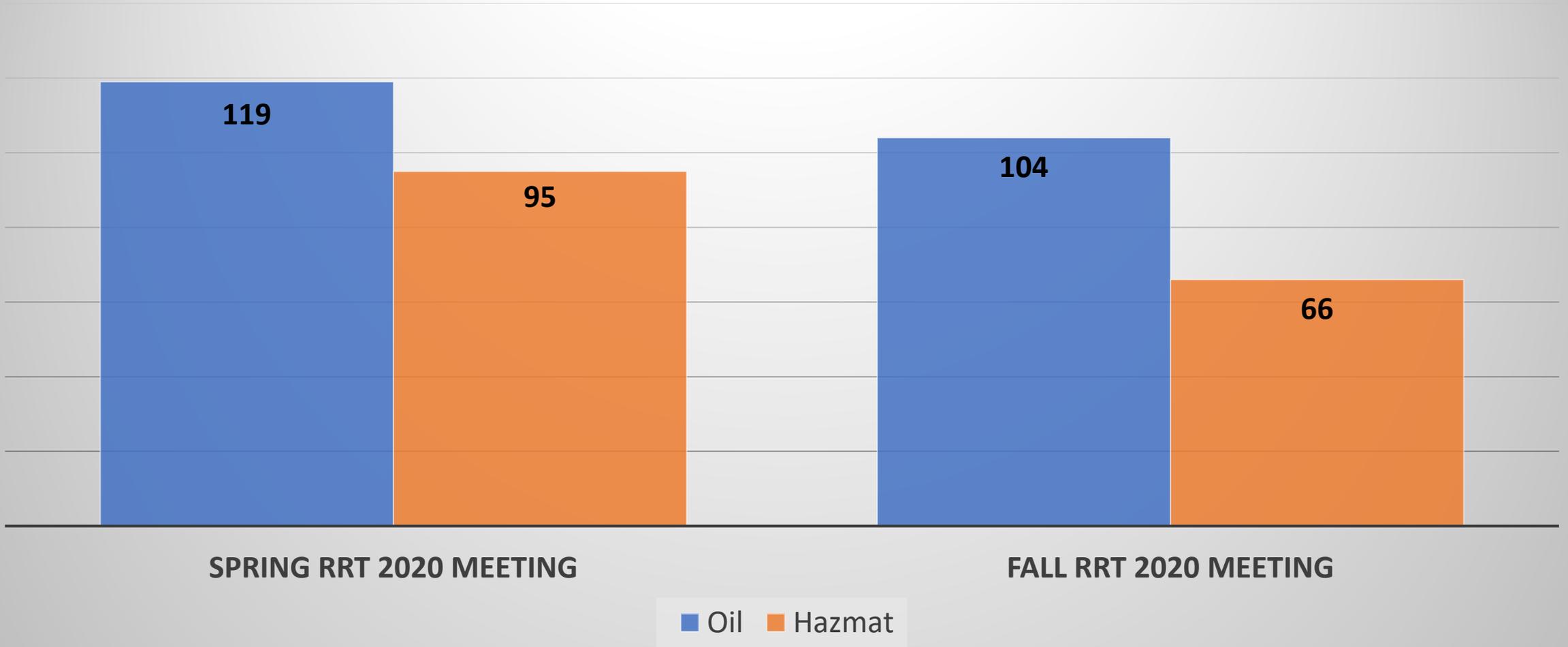


Executive Summary

Challenges-	Hurricane Laura Response Operations in a COVID-19 Environment
Lessons Learned-	In-person IMTs are not destined to fail.
Best Practices-	USCG recommended COVID-19 Band B PPE, mandatory use of N-95s in vehicles, social distancing, and emphasis on personal hygiene resulted in 0 IMT infections.



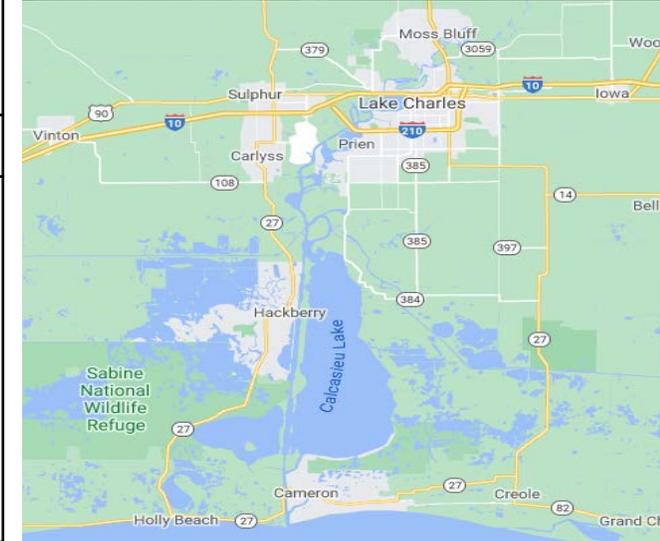
NRC Notifications





RRT Activation / Notification

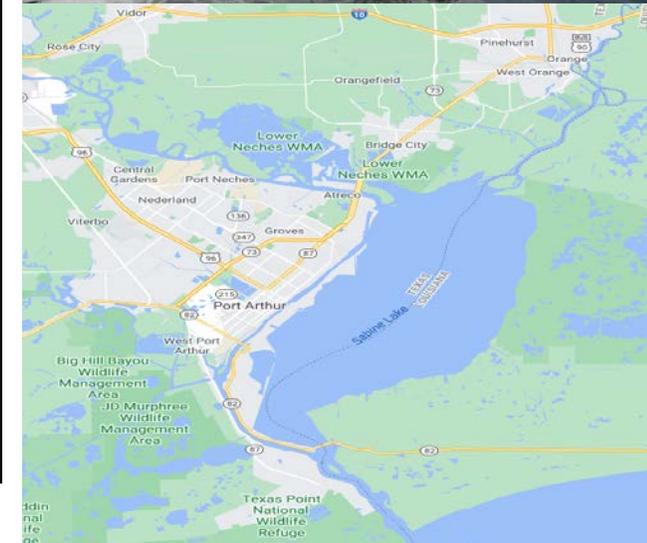
Date:	08/20/2020	Activation		Notification	
Incident Name:	Hurricane Laura 2020				
Location:	SETX/SWLA				
Responsible Party:	Multiple				
Type and amount of product spilled:	Oil				
Issue / Concern:	Hurricane Laura was the strongest hurricane to hit Louisiana in over 150 years, & in MSU Lake Charles' AOR it created 76 individual pollution targets & over \$10 billion in damage. Due to the scale of the event a \$250k "Global" FPN was opened to assess, manage, or mitigate pollution targets for over 20 days until an ESF-10 Mission Assignment was issued. Ultimately, a 94 member IMT conducted over 115 aerial, waterborne, and/or shoreside patrols while trying to operate as safely as possible in a COVID environment. (top pic: Henry Production Facility)				
Agencies Involved:	TGLO, LDEQ, LOSCO, USFWS, USCG, LDWF, LDNR, Cameron Parish				
Decisions Made:	<p>A joint MSU Port Arthur and MSU Lake Charles IMT addressed hurricane pollution targets. MSU Port Arthur personnel also covered standard CG missions in the Lake Charles AOR to give Lake Charles members a chance to reconstitute and take care of families.</p> <p>Once the shift to ESF-10 was made, MSU Port Arthur demobilized the majority of its personnel, and filled IMT positions through surge-staffing and returned to normal operations. MSU Lake Charles was able to reconstitute quickly and resume regular response operations much faster than anticipated in spite of extensive building damage and loss of utilities. The ESF-10 mission continues.</p>				





RRT Activation / Notification

Date:	10/09/2020	Activation		Notification	
Incident Name:	Hurricane Delta 2020				
Location:	SETX/SWLA				
Responsible Party:	Multiple				
Type and amount of product spilled:	Oil				
Issue / Concern:	Hurricane Delta made landfall along the US Gulf Coast as a Category 2 storm, with winds approaching 100 mph, and it created over \$1.9 billion in damages. While not nearly as destructive as Hurricane Laura, one concern was the storm's potential to have effects on existing Hurricane Laura targets (moving their status from potential discharge targets to active discharge targets). However, this was not observed. In the MSU Port Arthur AOR, a sunken sailing vessel at the Sabine Pass Port Authority (ROCK OF AGES) & 02 mystery drums (01 water & 01 hydraulic oil) were the most notable pollution cases. MSU LC identified 08 vessel targets from the hurricane and response/recovery operations are ongoing.				
Agencies Involved:	TGLO, LDEQ, USCG				
Decisions Made:	The sunken sailing vessel, ROCK OF AGES, had a maximum capacity of approximately 500 gals of red-dyed diesel which proved to be a fairly uncomplicated response that resulted in the removal of 500 gals of oily-water mix. In addition to standard post-storm assessments, MSU Port Arthur IMT personnel conducted joint wrack line assessments with LDEQ in order to determine the extent of damage from Hurricane Delta & identify possible signs of pollution from deposited containers. These assessments confirmed the location of a Hurricane Laura legacy target (4000 gallon tank) & 3 additional targets totaling 100 gallons of oil.				



Consultations



Unit	Incident Name	Start Date	Stop Date	With	Phase	For	Response Actions	Species (Common Name)	Type	Federal Listing Status	Critical Habitat	General Cost	Land Cost	Total Cost
MSU Port Arthur/ MSU Lake Charles	Hurricane Laura ESF-10	28Sep20	NA	USFW/ DOI/ NMFS	Response	Emergency Consultation	Booming/ Skimming/ Vessel Removal	Multiple	ESA/ EFH	NA	No	TBD	0	TBD



Accomplishments

Since last RRT meeting 27 May 2020

Training		Exercises / Workshops		Federal, state, and local planning and coordination efforts	
Description	Dates	Description	Dates	Description	Dates
RESL/IMSS	06/03	Severe Wx FSE w/TGLO	06/05-06/08	Pre Laura Waterside Assessment w/ TGLO	08/23
ELG-191 – EOC/ICS Interface	06/18	NDOW TTX – Corpus Christi, TX	07/15	Hurricane Laura Response & ESF-10 Mission with Louisiana	08/27 09/16
Qualified 07 individuals in ICS Competencies (2 LOFR, 2 DIV/GRP SUP, 1 PSC, 2 SOFR)	06/18 – 08/18	COOP Exercise	07/22	Post Laura Waterside Assessment w/ TGLO	08/27
USCG AREP	07/01	ArcGIS Collector workshop	10/08	Pre TS Beta Waterside Assessment w/ TGLO	09/19
FOSCR Course	08/10 & 08/31			New 2020 SETX/SWLA ACP released	10/02
NDOW Virtual	08/11			Post Hurricane Delta Waterside Assessment w/ TGLO	10/10
Oil Spill Control School	08/17 & 09/07				
TRG IMSS Training	09/29 – 09/30				
L967 NIMS ICS LSC	10/12-10/16				
K449 ICS Instructor	10/26-10/30				



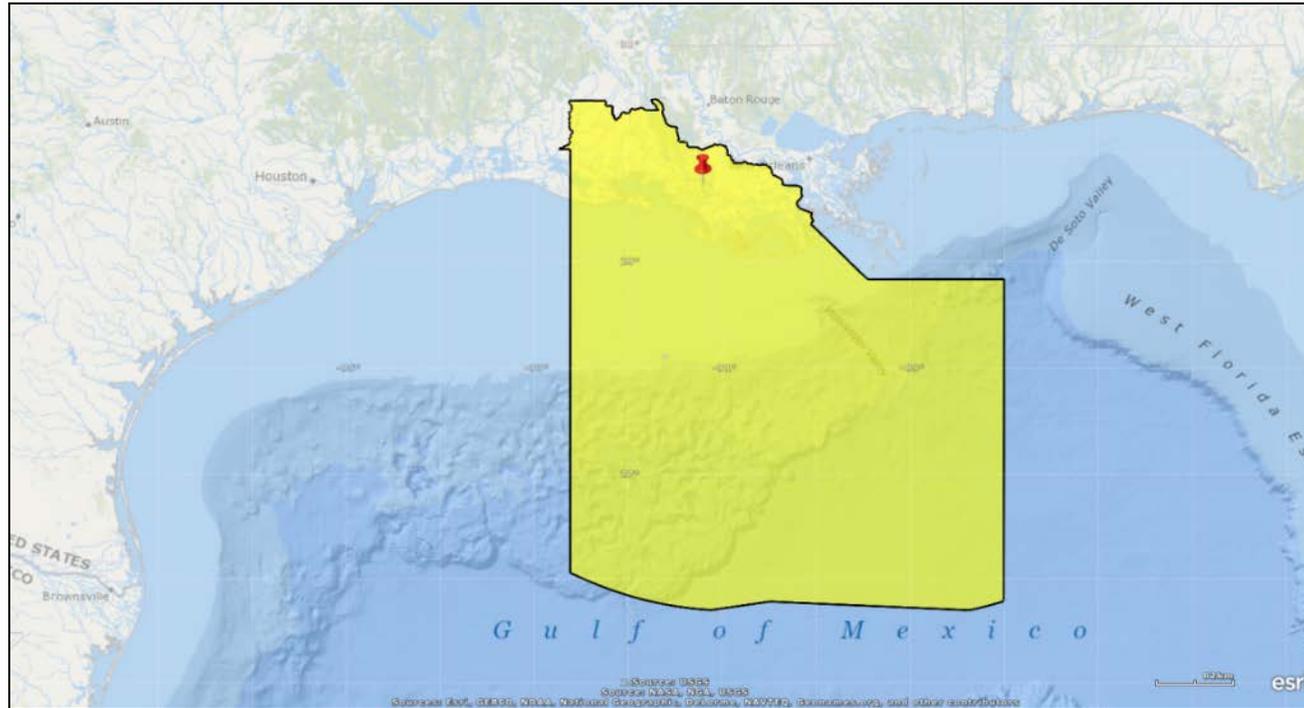
Outlook

Until Next RRT meeting
5 May 2021

Training		Exercises / Workshops		Federal, state, and local planning and coordination efforts	
Description	Dates	Description	Dates	Description	Dates
MGT-314	TBD	Q1 GIUE	TBD	SETX/SWLA AC ESG	TBD
Oil Spill Control	2/15 & 3/15	Q2 GIUE	TBD	SETX/SWLA AC Meeting	TBD
FOSCR Course	2/22-3/12				
HAZMAT Incident Response	3/15-3/19				
USCG Risk Management	Pending COVID				
HAZWOPER	Pending COVID				

MSU Houma

Captain Jerrel Russell
MSU Commanding Officer



NRC Notifications	RRT Activations	Federal Projects	CERCLA Projects
317	00 Surface Washing Agents 00 In-situ Burns 00 Dispersants	01	00



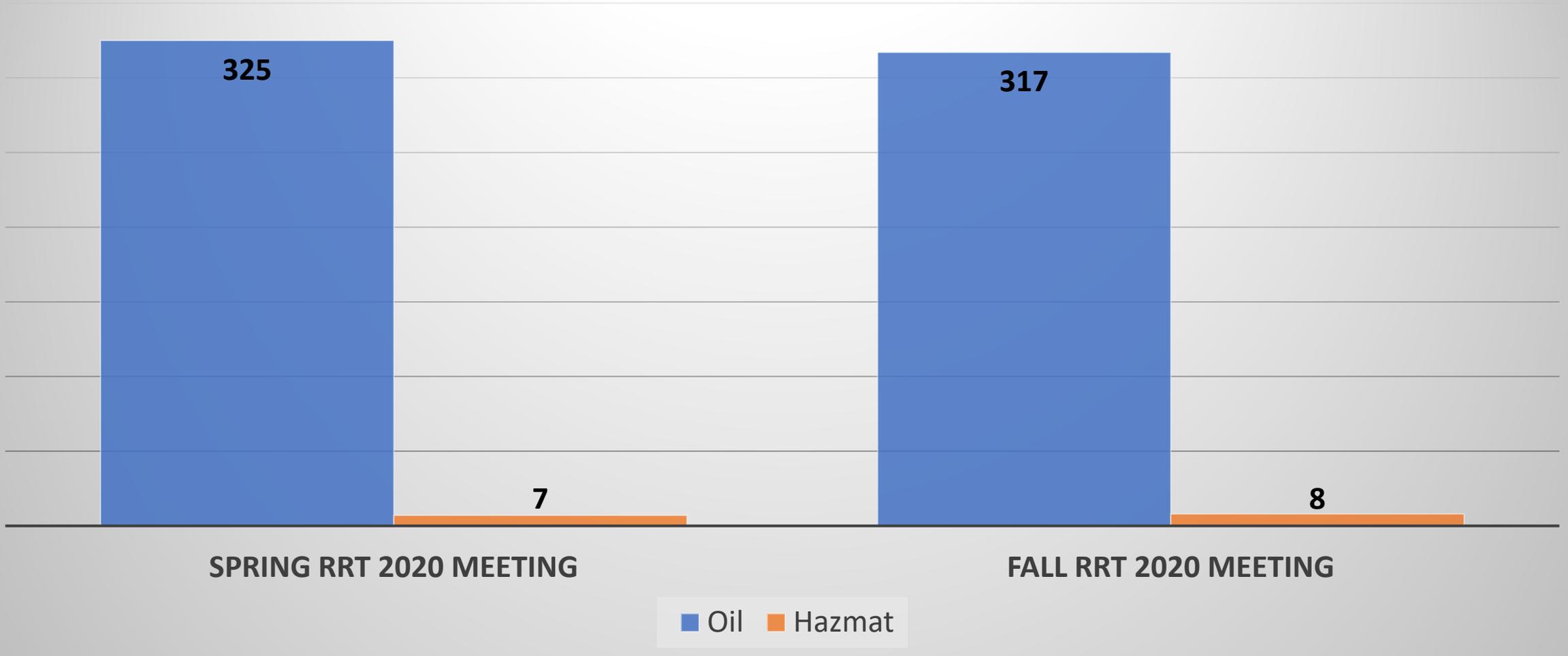
Executive Summary

Challenges-	<ul style="list-style-type: none">• The pandemic has challenged communication capabilities and resource availability to connect with non-government organizations and industry in virtual environment. It is best served to have multiple laptops designated for each ICS role, to be able to link in with their perspective function, however resources are limited.• Access to inshore facilities or pollution threats for post storm assessment is limited due to lack of organic surface assets.
Lessons Learned-	<ul style="list-style-type: none">• The virtual environment (Microsoft Teams) has become useful upon initial establishment of ICPs and during currently pandemic.• Pre-storm coordination for aerial overflights, maximize assessments of hard to reach and inaccessible inshore areas, i.e. facilities, and pollution threats.• Use of the Biological Evaluation can be used for considered response actions or actual response actions and can be updated as the situation changes.
Best Practices-	<ul style="list-style-type: none">• Discuss with D8 DRAT and NOAA SCC for requirements and other considerations for response strategies that are not often used by industry and response organizations.• Communicate with each federal, state, local partner agency within AOR to discuss pre/post storm concerns and anticipated response actions to determine need for collaborative efforts.



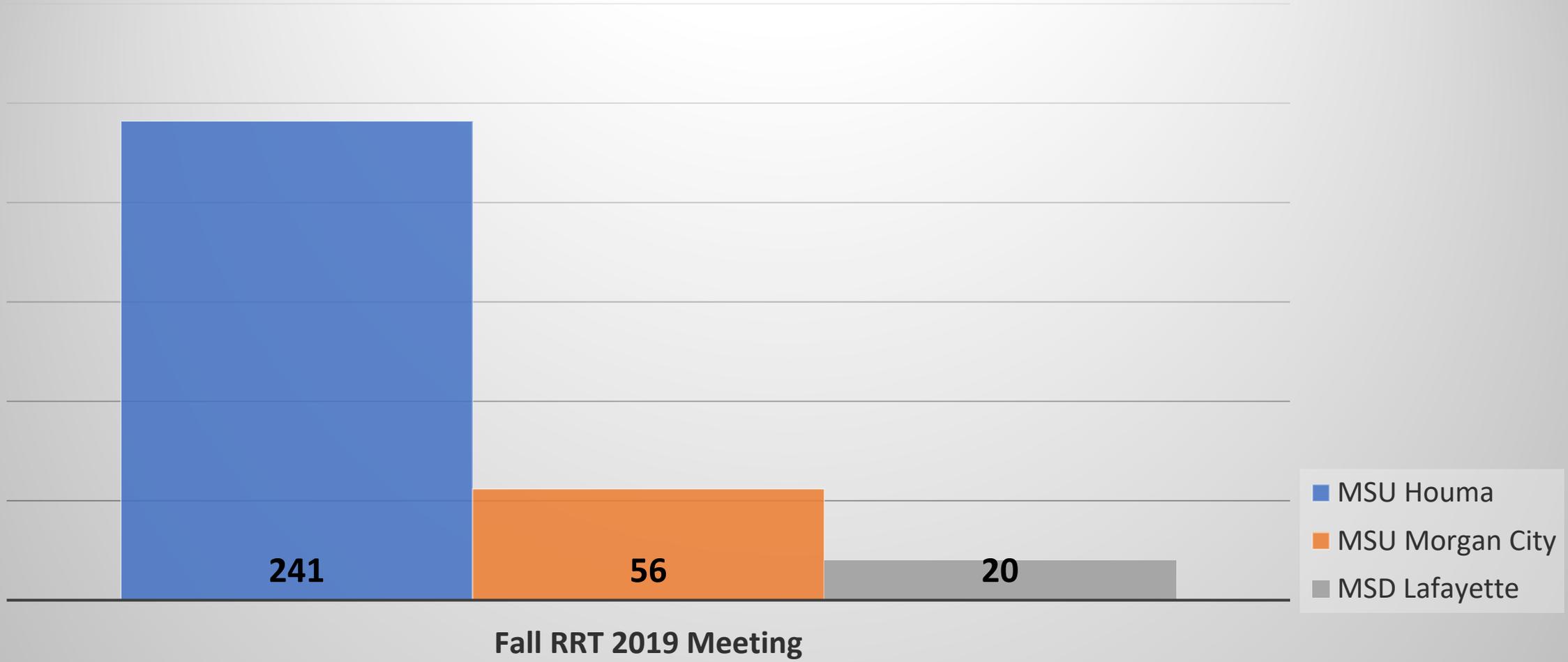


NRC Notifications





NRC Notifications





RRT Activation / Notification

Date (XX/XX/XXXX):	09/09/2020	Activation		Notification	
Incident Name:	Well LL&E 326				
Location:	Unnamed Canal, Tributary of Bayou Lafourche				
Responsible Party:	White Marlin Oil & Gas				
Type and amount of product spilled:	Crude Oil, 2-3 barrels (84 – 126 gallons)				
Issue / Concern:	<p>Approximately 3 bbls of crude oil discharged from a spinner gauge a top of LL&E 326 well head. The well was secured by a civilian in the vicinity that noticed the spray of oil, which reached approximately 50 feet. Based on on-scene assessments, the affected area was approximately a 1 mile by 1 mile radius around the well head, leaving a coating on the marsh and sawgrass. Sorbent boom was lined along the impacted marsh and inlets to prevent transportation of oil in other areas. Upon closer investigation, it is believed that the gauge was shot causing the discharge. Weekly site visits were conducted with LDEQ and LOSCO to determine appropriate response actions and effectiveness of passive recovery as well as impacts of the coated vegetation.</p>				
Agencies Involved:	LOSCO, DNR, DEQ				
Decisions Made:	<ul style="list-style-type: none"> - After several site visits and passive recovery from washing from high tide and storms, a joint visit with LOSCO was completed for NRDA. - Determined to conduct another visit within a year. 				







RRT Activation / Notification

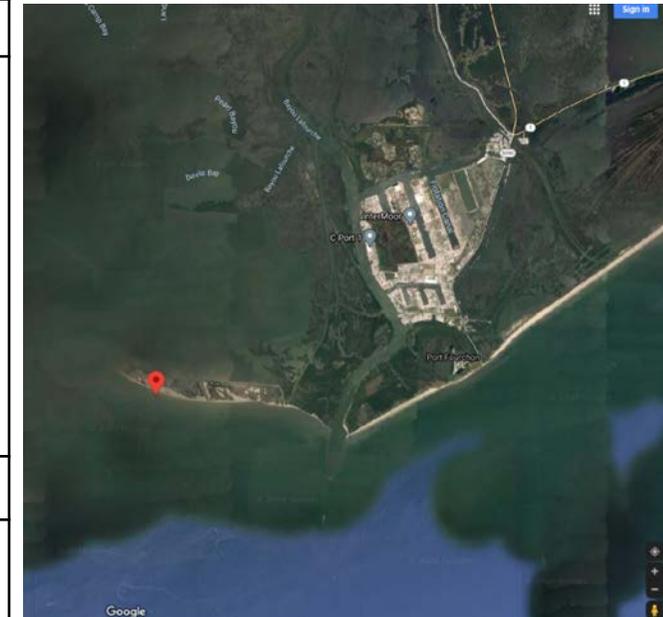
Date (XX/XX/XXXX):	08/28/2020	Activation		Notification	
Incident Name:	C-1D Gas Well Control				
Location:	Lake Pagie Oil Field				
Responsible Party:	Texas Petroleum Investment Co.				
Type and amount of product spilled:	Condensate – 5 barrels (210 gallons)				
Issue / Concern:	<p>Gas lift well in Superior Canal experienced a well blowout with a natural gas release and discharge of 5bbls – well had been shut in since April. Source determined to come from failure in well casing, which could not be immediately secured. Source control operations continued for 1 month with dry natural gas releasing and elevated levels of LELs. Source control operations ranged from pumping heavy fluids (brine/bay water, calcium carbonate, and water-based mud) downhole into the production and conductor casings, isolation of tubing strings. Final and effective efforts were perforation of tubing strings and pumping of mud and cement, which killed the well. During source control attempts, a major concern was the coercion of the well casing as the well began to blowout water and sand, eroding 70% of the casing.</p>				
Agencies Involved:	LOSCO, DNR, DEQ, LSP, Terrebonne Parish Local Emergency Committee				
Decisions Made:	<ul style="list-style-type: none"> - Absorbent boom was deployed, however due to high LELs clean-up operations were not immediate and done when safely possible. -During source control attempts, TPIC continued to engage with LOSCO and MSU Houma with effectiveness and work congruently developed plans and request for an emergency permit to drill a relief well. - No effect determination was made for response actions. 				



RRT Activation / Notification

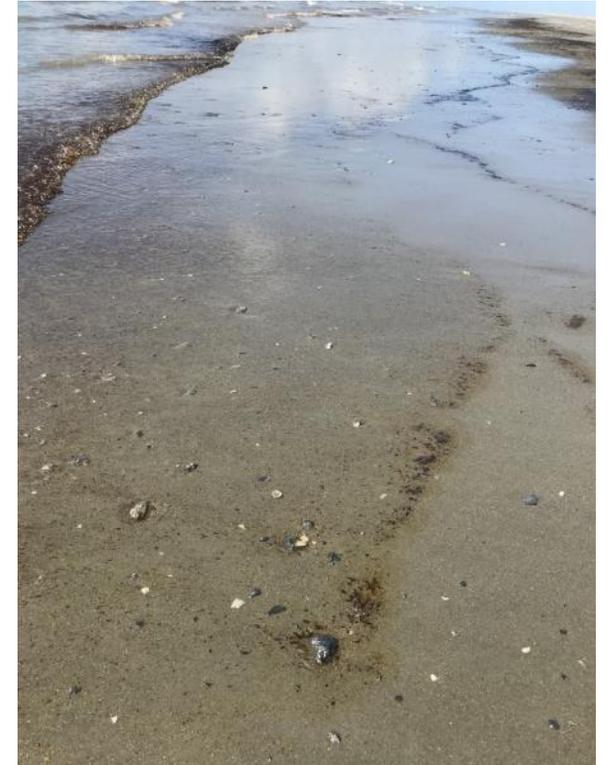


Date (XX/XX/XXXX):	9/28/2020	Activation		Notification	
Incident Name:	West Belle Pass Island				
Location:	West Belle Pass Island				
Responsible Party:	Unknown				
Type and amount of product spilled:	Crude Oil, unk amt				
Issue / Concern:	<p>An unknown amount of waste oil, an OPA oil, was discovered from an unknown source that washed up on West Belle Island a barrier island of the Gulf of Mexico and state-funded restoration site. MSU Houma personnel coordinated with the reporting party, Weeks Marine, to conduct an initial site assessment, observing approximately 1,000ft of oiled sediment along the beach. MSU Houma PR team took 10 oil samples including 04 spill, 01 background water, 04 surrounding potential discharge sources, and 01 background site sample for comparison. After the initial assessment and consultation with LOSCO and LDWF, the FOSC determined that the oil was a substantial threat and needed to be removed from West Belle Island which is considered a critical habitat for piping plovers. MSU Houma opened OSLTF to remove the oil the following morning.</p>				
Agencies Involved:	LOSCO, LDWF, DEQ, NOAA (SSC/NMFS), USFW				
Decisions Made:	<ul style="list-style-type: none"> - The following morning assessment showed tidal cycle washed approximately 60% of the oiled sediment/sand. The remaining oiled sand/sediment covered less than .5cm of the surface and was weathered. It was determined the best response action to be natural attenuation to avoid further corrosion of sand. - Assessment with LDWF determined no concern for impacts of piping plover and their critical habitat, none were observed. - ESA Consultation complete with USFW and NMFS. No effect determination made. - Advised Weeks Marine to avoid trampling/using heaving machinery over the impacted areas. - Used LSU's lab for sample analysis which returned as weathered crude oil. 				



Photos from Reporting Party – Weeks Marine

28 September, approx. 1400L



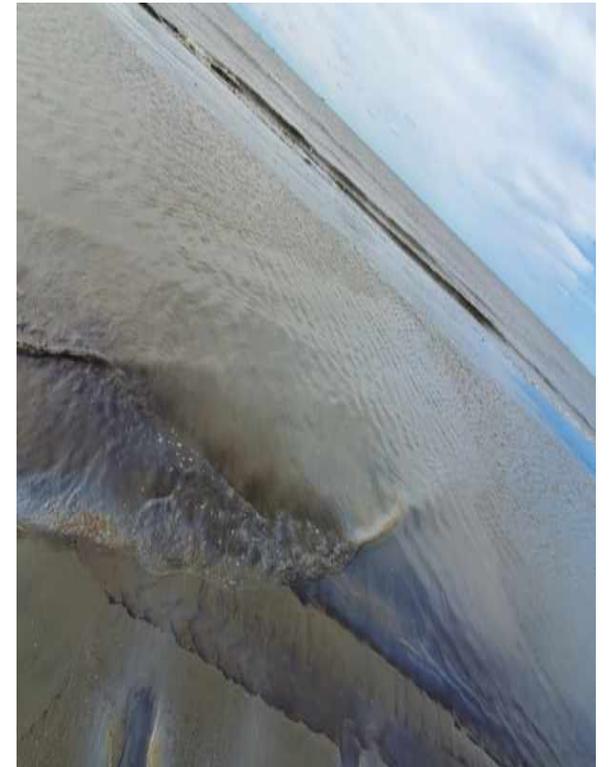
Photos from MSU Houma, 1st Assessment

28 September, approx. 1900L



Photos from MSU Houma, 2nd Assessment

29 September, approx. 0900L



Photos from MSU Houma, 3rd Assessment

30 September, approx. 1300L





RRT Activation / Notification

Date (XX/XX/XXXX):	06/27/2020	Activation		Notification	
Incident Name:	Destin Operating Wellhead failure				
Location:	Near Charenton Canal				
Responsible Party:	Destin Operating				
Type and amount of product spilled:	Crude oil/10 barrel (420 gallons)				
Issue / Concern:	<p>Destin Operating had a wellhead failure that resulted in an approximate 10 Barrel (420 gallon) discharge of crude oil into the water. This discharge was a result of a dry rotted rubber seal that surrounded the electrical conduit to the well. This oil spill occurred in a cypress swamp which is an extremely difficult place to recover oil. Many response techniques were unavailable due to the amount of obstructions on the water and the water depth was continually decreasing each day. These conditions led to the response being completed by manual recovery of oiled hyacinth and absorbents. During the course of the response, the OSRO operating off of Destin Operating's approval used Oil Gator which is a surface collecting agent that was not on the EPA Product schedule nor was authorized for use.</p>				
Agencies Involved:	NOAA SSC, LOSCO, LADEQ				
Decisions Made:	<ul style="list-style-type: none"> - Letter of appreciation was sent to NOAA for their assistance throughout this case. - After Action Report was completed. - Letters of concern were issued to both Destin Operating and ES&H for inappropriate use of bioremediation. - NOV to Destin Operating is recommended for \$7,000. \$2,000 for number of gallons discharged by a commercial entity, and \$5,000 for the use of unapproved surface collecting agent. 				



Consultations



Unit	Incident Name	Start Date	Stop Date	With	Phase	For	Response Actions	Species (Common Name)	Type	Federal Listing Status	Critical Habitat	General Cost	Land Cost	Total Cost
MSU Houma	Lake Jesse – Marquis Resources	13June20	13June20	DOI/USFW	Response	Emergency Consultation	Booming/ Sorbent Materials	West Indian Manatee	ESA	Threatened	No	65	0	65
MSU Houma	C-1D Gas Well Control	10Aug20	14Sep20	DOI/USFW DOC/NMFS	Response	Emergency Consultation	Booming/ Sorbent Material/ Skimming	West Indian Manatee	ESA	Endangered	No	100	0	100
MSU Houma	C-1D Gas Well Control	10Aug20	14Sep20	DOI/USFW	Response	Emergency Consultation	Drone/ Skimming	Bald Eagle	ESA	Endangered	No	164	0	164
MSU Houma	West Belle Pass	28Sep20	30Sep20	DOI/USFW	Response	Emergency Consultation	Sifting/ Shoveling	Piping Plover	ESA	Endangered	Yes	250	0	250



Accomplishments

Since last RRT meeting
27 May 2020

Training		Exercises / Workshops		Federal, state, and local planning and coordination efforts	
Description	Dates	Description	Dates	Description	Dates
		BSEE GIUE/Virtual – Ankor Energy	11Sep2020	BSEE OCS WCD Project	14Jul2020
		BSEE GIUE/Virtual – Total E&P USA	15Sep2020	Pre & Post Storm ESF 10 Preparation Calls	
		BSEE GIUE/Virtual – Castex Energy	21Sep2020		

Outlook

Until Next RRT meeting
5 May 2020

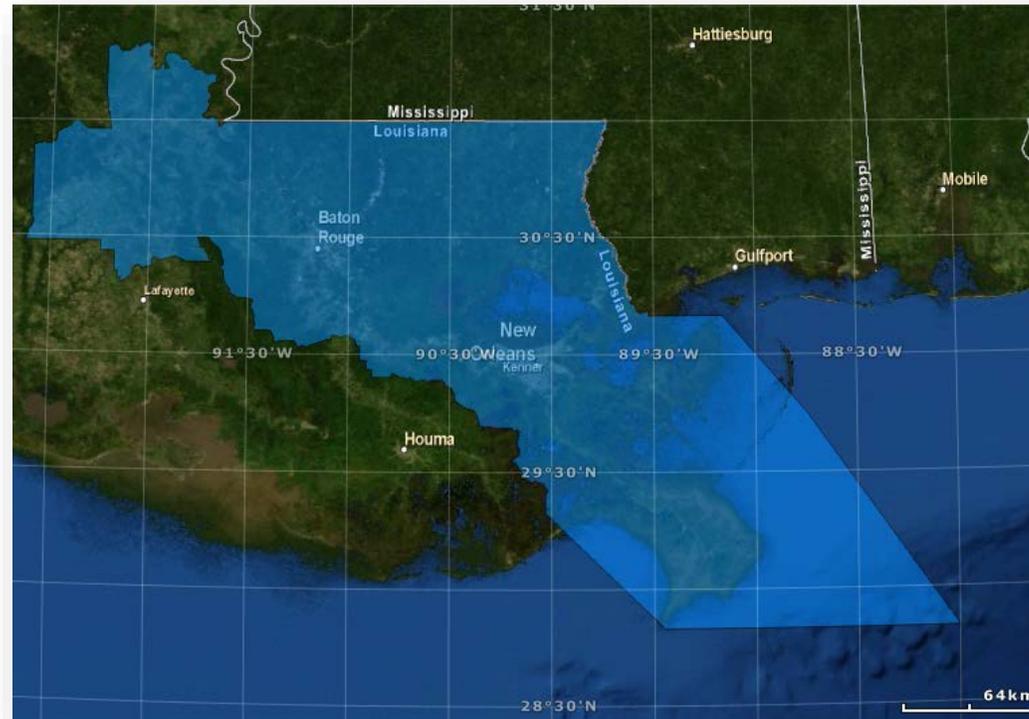


Training		Exercises / Workshops		Federal, state, and local planning and coordination efforts	
Description	Dates	Description	Dates	Description	Dates
Biological Evaluation Consultation Training	TBD	ISRRT Call – SSDI HWCG Kosmos Energy	29Oct2020	SCLA ACM	Early 2020
		BP Virtual Prep Exercise	05Nov2020		
		LOOP Emergency Response Drill & Equip Deployment	19Nov2020		

Sector New Orleans



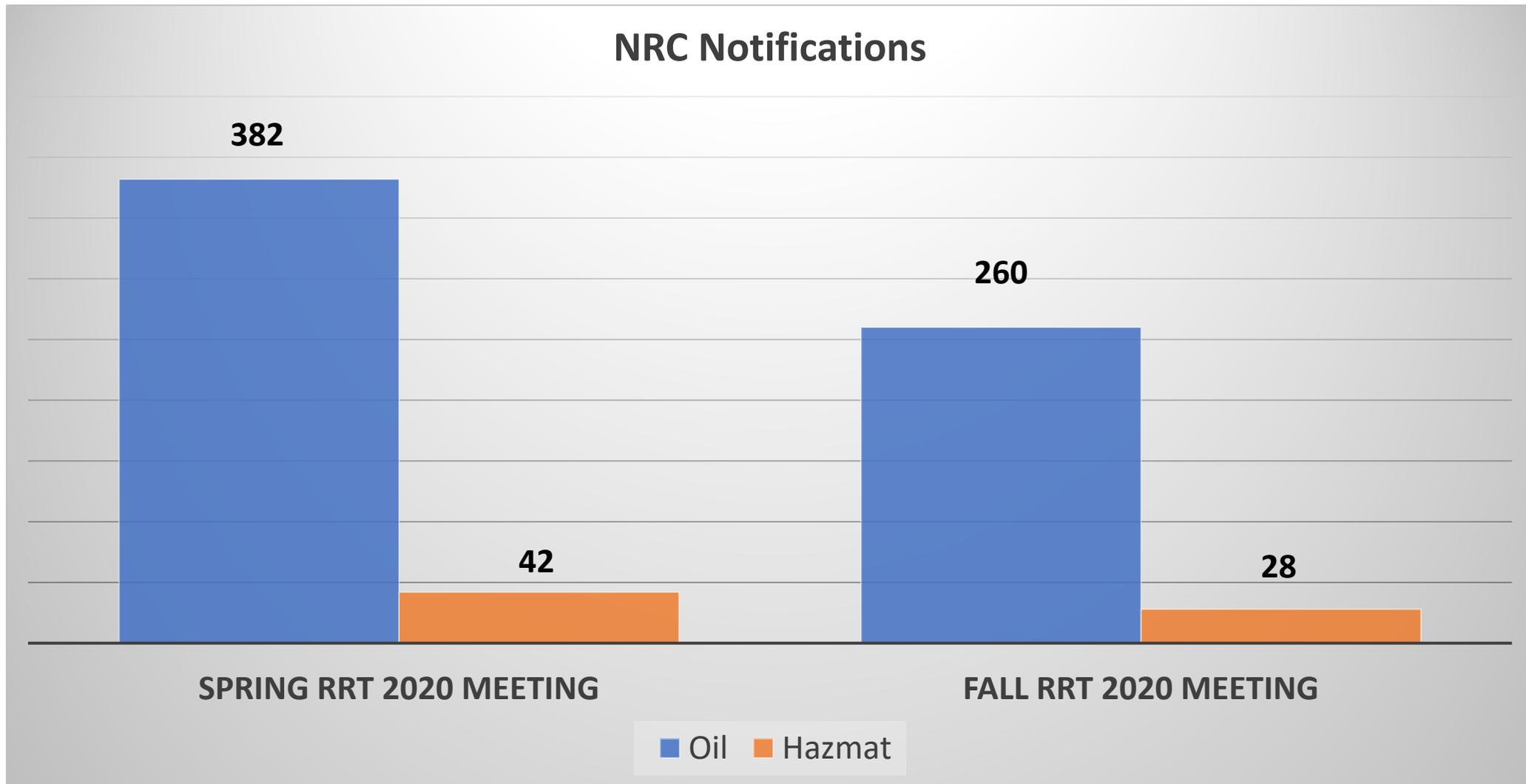
Captain Will Watson
Sector Commander



FY20 NRC Notifications	RRT Activations	Federal Projects	CERCLA Projects
856	00 Surface Washing Agents 00 In-situ Burns 00 Dispersants	06	01



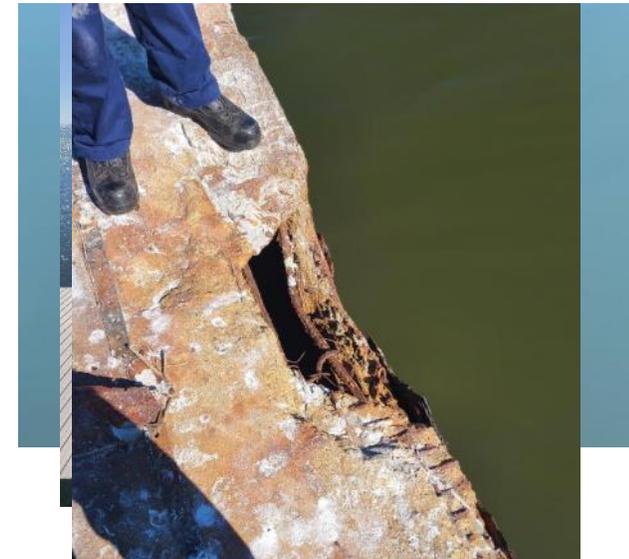
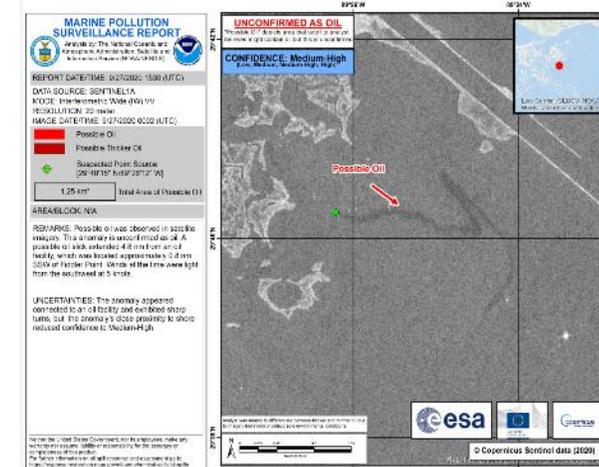
NRC Notifications





Yuma Energy, Inc. Main Pass #2 Facility Breton Sound, Gulf of Mexico

Date:	26 Sep 20	No RRT-6 Activation
Incident Name:	Yuma Energy, INC. Main Pass #2 Facility Response	
Issue/Concern:	<p>26 SEP, a NOAA satellite anomaly was correlated to a surface sheen originating from the non-operational Yuma Energy Main Pass #2 facility. Yuma hired ES&H to deploy boom/sorbents, but has since filed Chapter 7 Bankruptcy and is unable to fund emergency response activities.</p> <p>Source of the active oil discharge identified as a breach in the storage and ballast water tanks within a sunken concrete barge used as a storage facility below the platform - free communication between the a crude oil storage tank and a cracked ballast water tank is resulting in the discharge of oily water/surface sheen expression.</p> <p>Substantial Threat: the storage barge contains over 46K gallons oil/water mixture based on initial soundings, 2 produced water tanks and various HAZMAT.</p>	
Agencies Involved:	USCG, NOAA, LOSCO, LADEQ, LADWF	
Decisions Made:	Actions taken: FOSC assumed control of all response actions. Hired OSRO and finalized removal plan pends.	

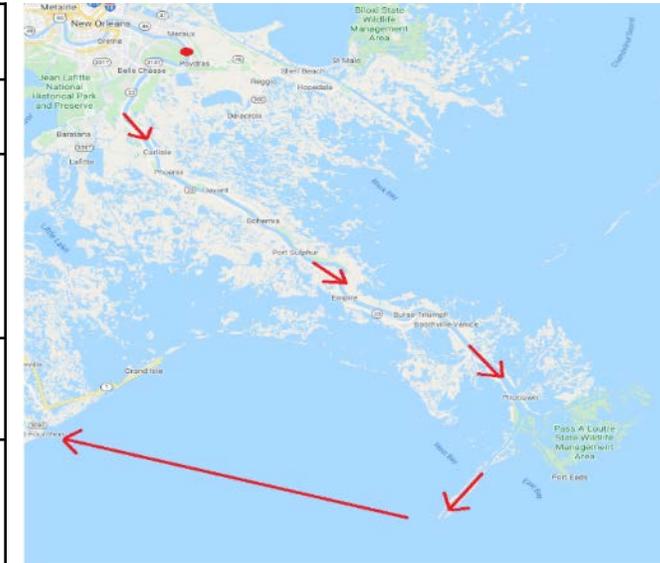




ATB BOUCHARD GIRLS & BARGE B. NO. 295

Bayou Lafourche, LA

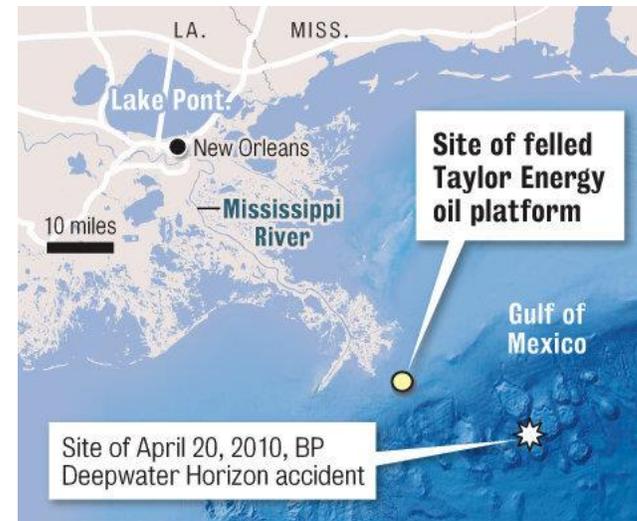
Date:	14 Feb 20 – 17 Jul 20	No RRT-6 Activation
Incident Name:	BOUCHARD GIRLS and BARGE B NO 295	
Issue/Concern:	<ul style="list-style-type: none"> FOSC determined ATB to be an imminent & substantial threat of oil discharge while anchored in the Lower Mississippi River due to insufficient crew manning, deteriorating material condition of the vessels and high water conditions. 	
Agencies Involved:	CG Sector NOLA, CG MSU Houma, CG NSF, NOAA, LOSCO, LADEQ, Forefront, ES&H, Yellow Fin Marine Services.	
Decisions Made:	<p>Actions taken:</p> <ul style="list-style-type: none"> After RP failed to comply with COTP & ADMIN orders, the FOSC assumed control of response activities to eliminate the pollution threat posed by the vessels. ATB relocated to Yellow Fin Marine Service docks in Bayou Lafourche via dead ship tow for pollution removal ops. Removed all recoverable residual product from 8 tanks. ~318K+ gals of oily water/oily waste mix removed – number high due to the amount of water introduced/required for removal ops. Gas freeing not conducted & remaining diesel not removed. Vessel remains moored at Yellow Fin dock. 	



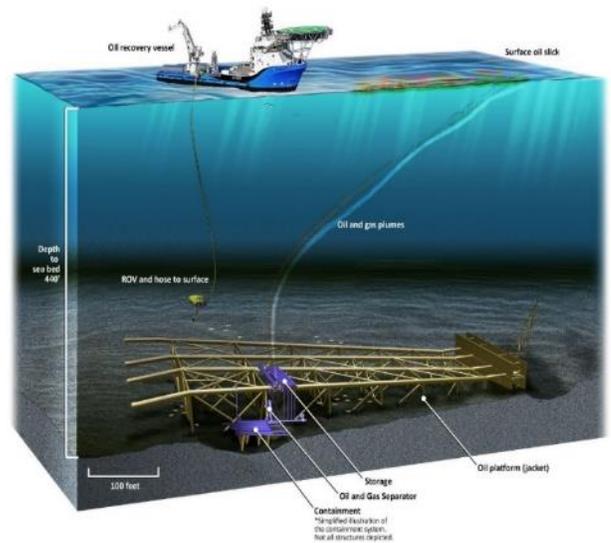


Taylor Energy MC-20 Pollution Incident

Date:	Current IAP Operational Period: 16 JUL 20 – 15 JUL 21	No RRT-6 Activation
Incident Name:	Taylor Energy MC-20 Response	
Ops Update:	<ul style="list-style-type: none"> • The subsea containment and storage system continues to work as designed, collecting most of the oil discharging from the seafloor and preventing entry into the water column. Average daily rate: 1,000-1,300 gals. • Pump-off evolutions conducted every 28 days (on average & weather dependent). 5 day evolution: mobilization to shore-side off-load. Off-load operations in Port Fourchon, LA. • At sea pump-off #22 in progress. • 527,902 gallons of resalable oil collected since April, 2019. 	
Agency Roles:	<p>Coast Guard: Oversees execution of IAP objectives - directs response actions ISO containment and recovery of oil leaking from the MC-20 site using the OSLTF to fund response activities.</p> <p>Taylor Energy: RP under the NCP. Maintains an offshore OSRO if dark oil is detected. Contracts Southern Seaplane to conduct overflights of site.</p> <p>BSEE: Leads all efforts to achieve permanent source control.</p> <p>NOAA: Conducts analysis to drive operations. Environmental satellite imagery of site – captures surface anomalies. Post containment phase baseline oil sampling.</p>	



Platform after containment of plumes



Consultations



Unit	Incident Name	Start Date	Stop Date	With	Phase	For	Response Actions	Species (Common Name)	Type	Federal Listing Status	Critical Habitat	General Cost	Land Cost	Total Cost
Sector New Orleans	LOBO Tank Battery #1	11-Jun-20	11-Jun-20	DOI/USFW	Response	Emergency Consultation	Booming and Skimming	Manatee	ESA	N/A	No	0	0	0
Sector New Orleans	TPIC Delta Duck	23-Jun-20	23-Jun-20	DOI/USFW	Response	Emergency Consultation	Booming and Flushing	Manatee	ESA	N/A	No	0	0	0
Sector New Orleans	LOBO Tank Battery #2	12-Jul-20	12-Jul20	DOI/USFW	Response	Emergency Consultation	Booming and Flushing	Manatee	ESA	N/A	No	0	0	0
Sector New Orleans	LOBO Durango Platform Riser	16-Oct-20	16-Oct-20	DOI/USFW	Response	Emergency Consultation	Booming and Dive-ops	Manatee	ESA	N/A	No	0	0	0



Accomplishments

Since last RRT meeting
27 May 2020

Training		Exercises / Workshops		Federal, state, and local planning and coordination efforts	
Description	Dates	Description	Dates	Description	Dates
ARC Collector Training w/ NOAA	8 Oct 20	BSEE GIUE-TPIC	09-Sep-20	LEPCs (St. Tammany, St. Charles, St. John, St. James, St. Bernard, Jefferson, Plaquemines)	Suspended due to COVID-19
SOCR w/ NOAA	31 Aug20–4 Sep20	BSEE GUIE - S2 Energy	23-Sep-20	Governors Covid Task Force	Once a week
Microsoft Teams Familiarization	21 Aug 20	Shell Exercise	Postponed until April '21	N.O. Federal Executive Board	Suspended due to COVID-19
				SE Louisiana Area Committee Meeting	No Meeting Scheduled



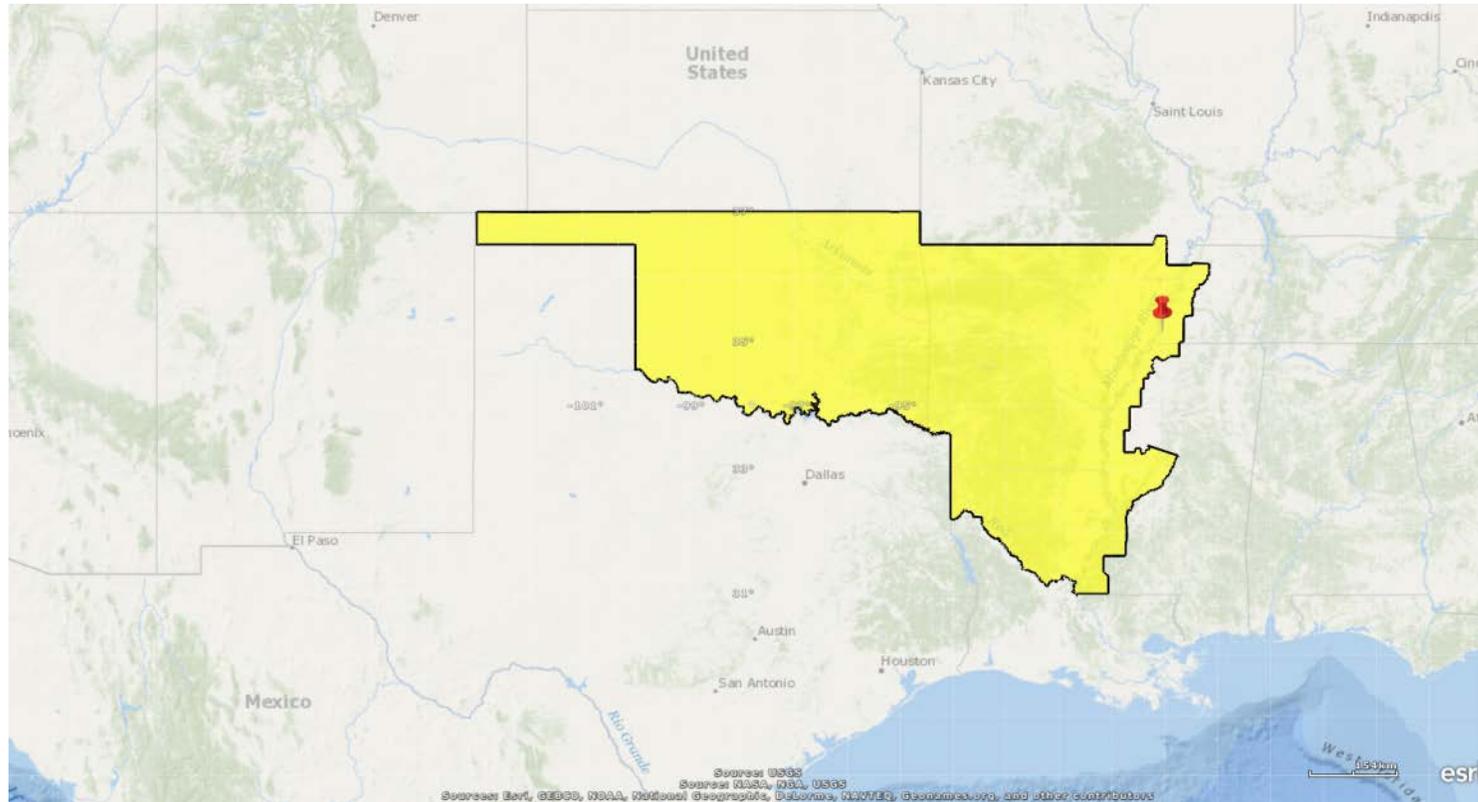
Outlook

Until Next RRT meeting

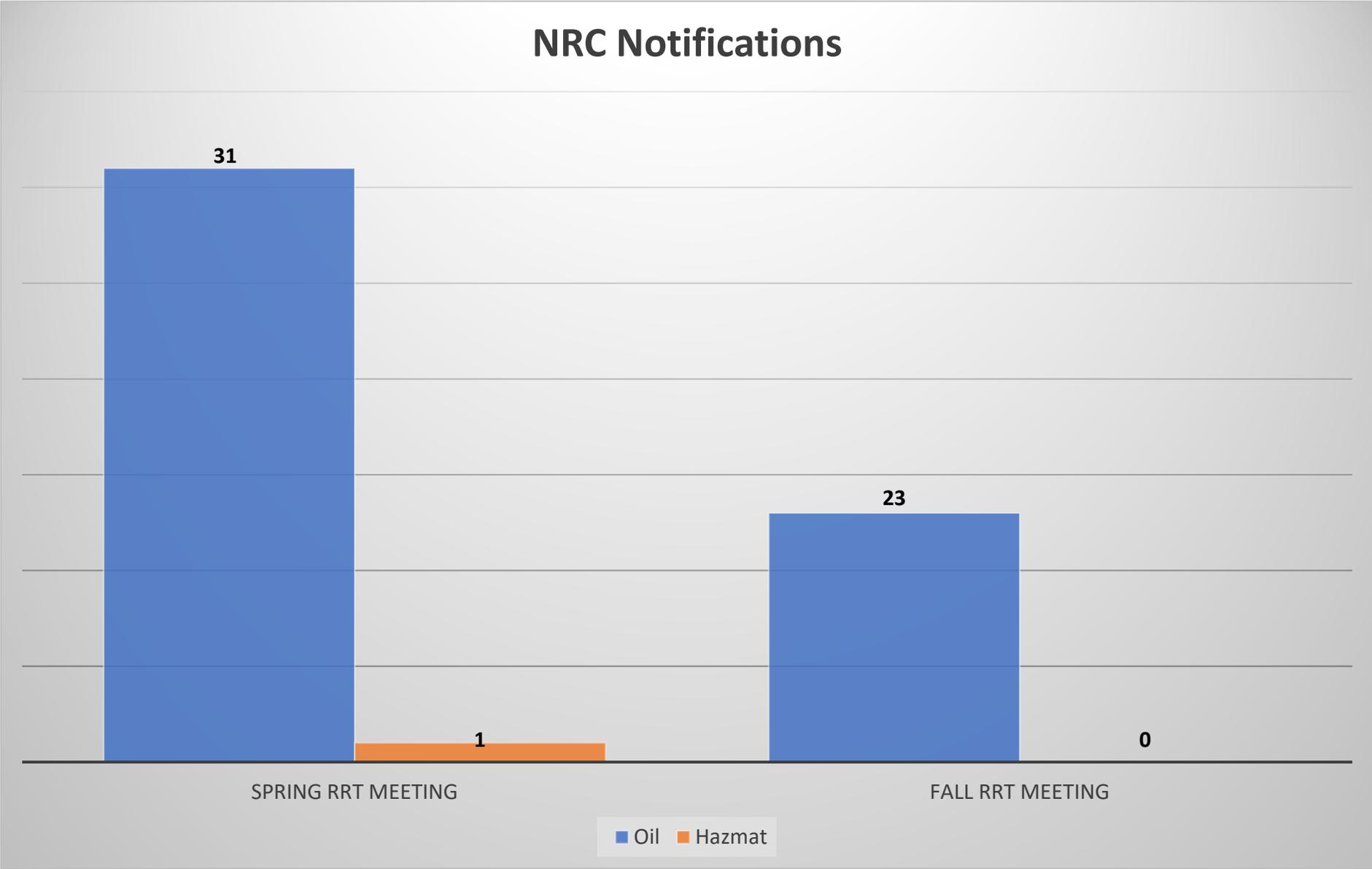
Training		Exercises / Workshops		Federal, state, and local planning and coordination efforts	
Description	Dates	Description	Dates	Description	Dates
				LEPC's (St. James, St. Charles, St. John, Plaquemines, Jefferson, St. Tammany, St. Bernard)	Suspended due to COVID-19

Sector Lower Mississippi River

Captain Ryan Rhodes
Sector Commander



NRC Notifications	RRT Activations	Federal Projects	CERCLA Projects
23	00 Surface Washing Agents 00 In-situ Burns 00 Dispersants	00	00



Consultations



Unit	Incident Name	Start Date	Stop Date	With	Phase	For	Response Actions	Species (Common Name)	Type	Federal Listing Status	Critical Habitat	General Cost	Land Cost	Total Cost
Sector Lower Mississippi River, TN	RM 3301 Barge Salvage Helena, AR	6/27/2020	6/29/2020	State Historic Preservation Office (SHPO)	Response	Technical Assistance	Spudding	Multiple	NHPA	Endangered	No	\$58	\$0	\$58
MSD Vicksburg	LTD 426 White River, AR	7/20/2020	7/30/2020	ESA	Response	Technical Assistance	Spudding	Multiple	ESA	Endangered	No	\$58	\$0	\$58
MSD Vicksburg	LTD 426 White River, AR	7/20/2020	7/30/2020	State Historic Preservation Office (SHPO)	Response	Technical Assistance	Spudding	Multiple	NHPA	Endangered	No	\$58	\$0	\$58
MSD Vicksburg	M/V MARY ELIZABETH GATTLE Barges	7/30/2020	8/4/2020	DOI/USFWS	Response	Technical Assistance	Spudding	Multiple	ESA	Endangered	No	\$58	\$0	\$58
MSD Vicksburg	Barge CC95507B MSD Vicksburg	8/31/2020	10/07/2020	DOI/USFWS	Response	Technical Assistance	Spudding	Multiple	ESA	Endangered	No	\$58	\$0	\$58
Sector Lower Mississippi River, TN	Tender boat	8/31/2020	8/31/2020	DOI/USFWS	Response	Technical Assistance	Spudding	Multiple	ESA	Endangered	No	\$58	\$0	\$58

Accomplishments

Since last RRT meeting
27 May 2020



Training		Exercises / Workshops		Federal, state, and local planning and coordination efforts	
Description	Dates	Description	Dates	Description	Dates
CBRN Training	13-14 AUG 2020	GIUE – MSD Vicksburg	23 JUL 2020	RRT7 IPaC webinar	JUL 2020
Auxiliary D-Train	11-13 SEP 2020	GIUE – Sector LMR	11 SEP 2020	RRT4 virtual meeting	AUG 2020
				NSFCC PAV Visit	SEP 2020
				RRT7 virtual meeting	SEP 2020

Outlook

Until Next RRT meeting
5 May 2021



Training		Exercises / Workshops		Federal, state, and local planning and coordination efforts	
Description	Dates	Description	Dates	Description	Dates
Mississippi State Historic Preservation	TBD	GIUE – Sector LMR	NOV 2020	LEPC Meetings	Monthly
		GIUE – DD Fort Smith	FEB 2021	RRT4 Meeting	FEB 2021
				RRT7 Meeting	MAR 2021

